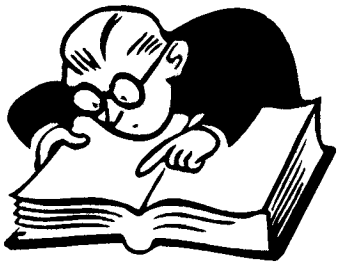


BULKY DOCUMENTS

(Exceeds 300 pages)

Proceeding/Serial No: 91177156

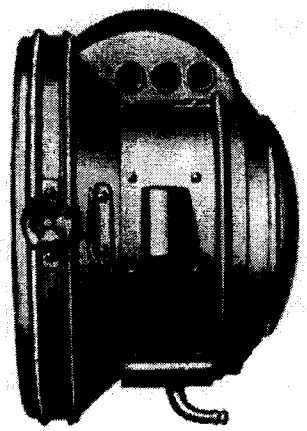
Filed: 07-16-2008

Title: Exhibits 23-38: Testimony Deposition of Scott Beck

Part 5 of 8

Processed by Duane Foster

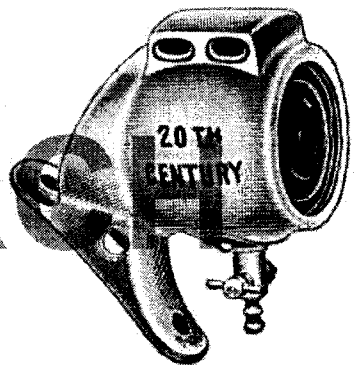
No. 156 SOLAR MOTORCYCLE HEADLIGHT



This gas headlight embodies the best and latest ideas in lamp construction, design and efficiency. The body and front flare is drawn from one piece of seamless heavy gauge metal. Rolled door with hinge and catch. Pressed steel side props 7 inches between centers. Special short focus 6 inch mirror reflector. Adjustable focus burner, consuming one-half foot of gas per hour. Front door silvered metal reflector.

GX-3—Olive Drab only, $5.50

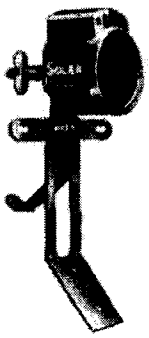
TWENTIETH CENTURY TAIL LAMP



One piece design of heavy carefully inspected aluminum. Made especially for us according to our specifications. Pet cock of new design that will not leak. Burner easily removed as it is fastened to pet cock plate. The glasses are something entirely new in this type of lamp. White semaphore on front side to illuminate number plate and red semaphore lense on rear side. Highly finished in bright nickel.

GX-21 $1.50

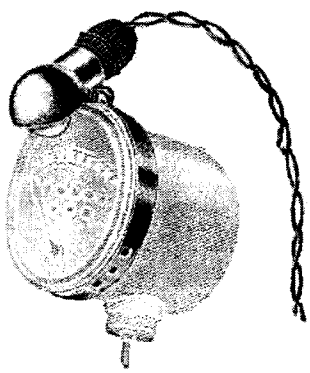
SOLAR GAS TAIL LAMP



Made of aluminum casting with pressed steel bracket which allows for attaching to mud guard and provides for number plate. Equipped with 2 inch red semaphore lens with wire screen in bottom of lamp, ventilating and illuminating number. Gas pipe projects from side instead of rear so that this lamp can be fitted when Prest-O-Lite tank is attached to luggage-carrier. Lighted by means of small door on the side. Fitted with ⅛ foot fish tail burner.

DX-22 —Nickel with gray bracket. $1.75
DX-22Z—Nickel with olive drab bracket, 1.75

PRESTO SPEEDOMETER LIGHT



This speedometer lamp is designed so it can be fastened around the speedometer as illustrated. A swivel joint allows the light to be adjusted so as to secure the maximum illumination for the face of the speedometer. Made of nickel plated brass. Equipped with a six volt, two candle power bulb with 24 inches of cord.

FX-19, $1.25

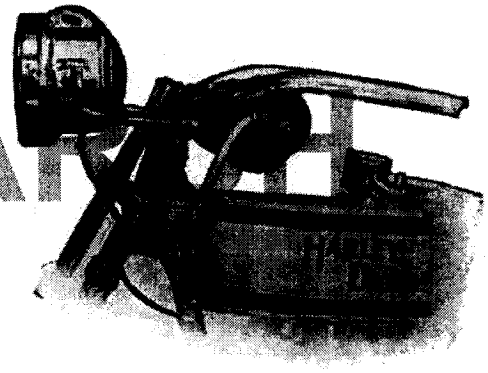
FOR RESEARCH PURPOSES ONLY

UNIVERSAL SPEEDOMETER LIGHT

A small, compact speedometer light of altogether different design than offered before. It puts the light on the speedometer face without throwing any reflections into the rider's eyes. Designed to fasten to any speedometer at the ferule instead of around the head. By pacing it in the position as shown, the rider can see at all times the rate he is traveling without the light covering up some of the figures. Easy to attach as no special fitting is necessary.

GX-18, $1.50

BISON LAMP AND TANK BRACKET



The Bison lamp and tank brackets are well designed being neat, compact and properly located. The braclkets are securely attached to the handlebar with the tank between the bars and the lamp directly in front. The tank bracket is made of malleable steel and is finished in olive drab. The lamp brackets are made of the best quality cold rolled steel nickel plated. These are screwed into the tank brackets and held in place by especially designed lock nuts. Two clips which can be quickly removed by simply loosening two nuts, hold the tank securely in place.

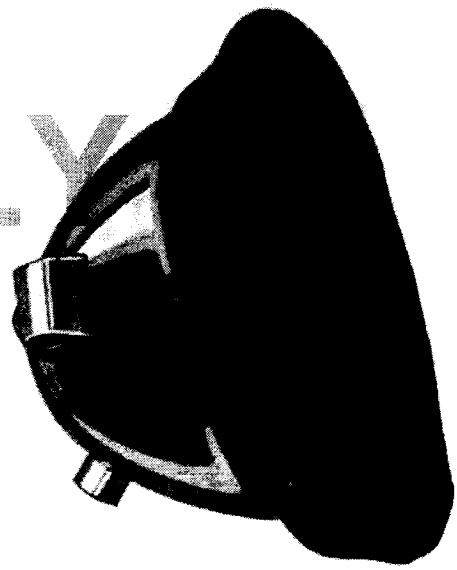
DX-31—Per pair, **$3.50**

SOLAR GAS SIDECAR LAMP

Especially designed to fit the outside member of Harley-Davidson sidecar chassis. The aluminum casting is the same as used in the gas tail lamp. Equipped with 2 inch white semaphore lens with wire screen in the bottom of lamp for ventilation.

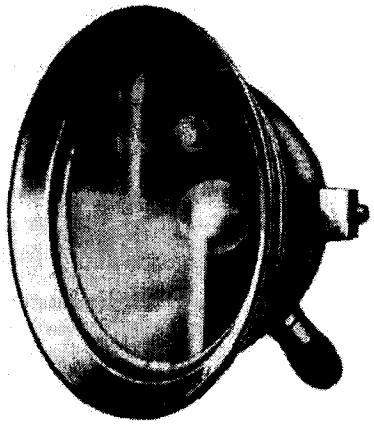
DX-24—Nickel with black bracket, **$2.00**

ELECTRIC LAMP COVER



Made of water-proof mohair and provided with one snap button. Fits snuggly over front of electric headlight so that glass is fully protected from dust and mud when touring. Small and compact so it can be folded up and placed in rider's pocket when not in use.

DX-376, $ .40

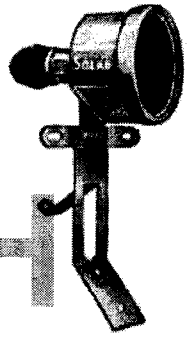


SOLAR ELECTRIC HEAD LIGHT

It has an 8 inch front diameter and is 4⅝ inch deep. The glass and reflector are held in place by means of extension ring and washer sealing the reflector from dust and moisture. Provided with focusing device at rear of lamp which can be adjusted in a moment. Fitted with G-6 2 candle power, 7 volt single point bulb which acts as a dimmer light and with a G-10 10 candle power 7 volt single point bulb for the for the center light.

EK-1010—Harley-Davidson Gray..... **$5.00**
EK-1010Z—Harley-Davidson Olive Drab... **5.00**

SOLAR ELECTRIC TAIL LAMP



This is an electric number lighting tail lamp made of steel stamping. Fitted with a 2 inch rear ruby semaphore lens with white celluloid in bottom for illuminating number. A cross bar on the braket is provided so that the number plate can be attached. Fitted with G-6, 2 candle power, 7 volt, single point bulb.

EK-1015—Harley-Davidson Gray..... **$1.50**
EK-1015Z—Harley-Davidson Olive Drab, **1.50**

SOLAR ELECTRIC SIDECAR LAMP

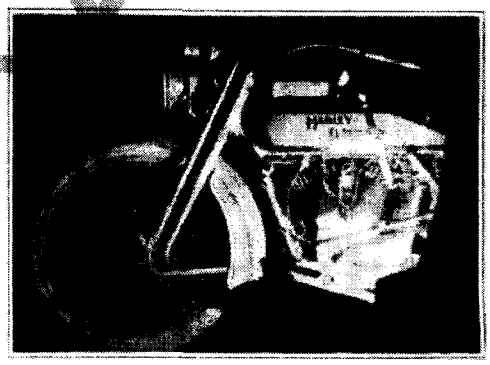
This is an especially designed electric sidecar lamp o be fitted to the outside frame member of the Harley-Davidson sidecar chassis. It is made of pressed steel throughout and is fitted with a 2 inch white semaphore lens and double oblong white side light with ¾ inch ruby jewel in back. Each lamp equipped with G6, 2 candle power, 7 volt, single point bulb.

FK-1066—Lamp only..... **$2.00**
FK-1062—Lamp with wiring, **3.50**

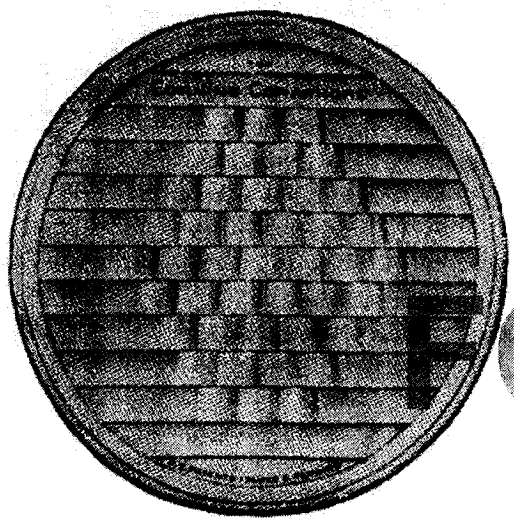
INSPECTION LAMP

An inspection lamp is one of the handiest things to be had around a motorcycle and should be a part of every riders equipment. It enables you to fix punctures and other mechanical troubles when these annoyances occur at night. It is designed especially for the J model as this is fitted with a small socket in the block on the side of the battery box. Connection is made by inserting the socket terminal and grounding the other terminals to some other part of the machine. Sufficient cable is furnished so that any part of the motorcycle or sidecar can be illuminated.

DX-23, $1.50



FOR RESEARCH PURPOSES ONLY



CONAPHORE

A scientific headlight glass made by the world's largest manufacturers of technical glass. Made in two kinds of glass, Clear and the Noviol. Gives the headlight a range of at least 500 feet when a 20 candle power bulb is properly focused or when a Brilliant Burner is used in gas headlight. Eliminates all the glare yet uses all the light, thus complying with all City and State no-glare laws.

The Noviol penetrates fog or smoke so you can easily drive 25 miles an hour under adverse weather conditions. Has strong side light which illuminates road side. The Noviol rays make green stand out so you can distinguish bushes and ditches. Never clogs with dust or mud in summer or with ice and snow in winter. It is easily fitted to any headlight.

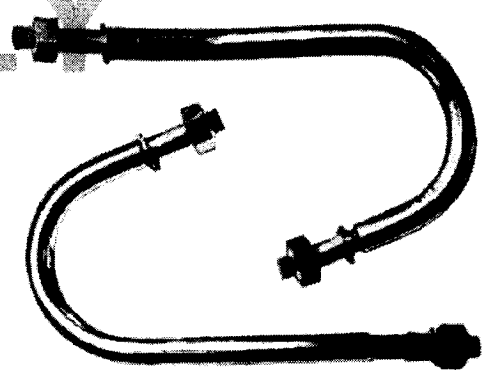
Clear Glass Conaphores are equally efficient in giving long range and eliminating glare but lack the added advantages possessed by the Noviol glass of eliminating back glare and penetrating fog or smoke. We strongly recommend the Noviol.

FX-1201C—Clear 6½ inch size to fit electric headlight, **$ .80**
FX-83—Clear 7½ inch size to fit No. 3 gas headlight, **1.25**
FX-1201N—Noviol 6½ inch size to fit electric headlight, **1.20**
FX-83N—Noviol 7½ inch size to fit No. 3 gas headlight, **1.75**

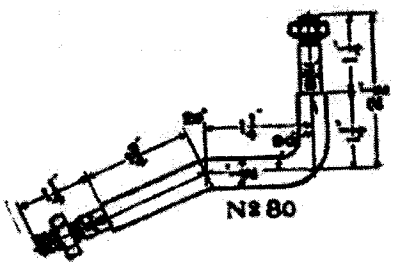
FOR RESEARCH PURPOSES ONLY

HARLEY-DAVIDSON LAMP BRACKETS

Made of a special high carbon steel bent to shape and heat treated by our special process. This makes the strongest bracket possible. Don't confuse this bracket with rolled steel brackets which are sometimes sold as genuine Harley-Davidson brackets.



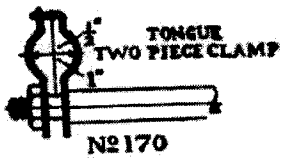
EK-1014—Gray for electric lamp	**$1.00**
EK-1014Z—Olive drab for electric lamp,	1.00
DK-2003—Gray for gas lamp	1.00
DK-2003Z—Olive drab for gas lamp	1.00

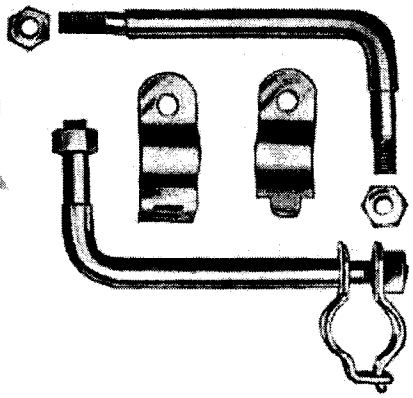


BENT BRACKETS

These brackets allow the lamp to be attached to the rigid fork so that the same position is obtained as with the DK-2003 brackets. The lamp can also be placed back of the handlebars with these brackets. Made of a high grade of steel nickel plated.

DX-226—Per pair, $ .75





STRAIGHT BRACKETS

This bracket fills the demand for a small bracket for a light lamp. Made of good grade of steel nickel plated.

DX-229—Per pair, $ .60

GAS HEAD LAMP PARTS

Factory No.	Name	Used on	Price
DX-51	Headlight door	H. D. No. 2 and Old Reliable	$2.00
DX-53	Headlight door	H. D. No. 1, H. D. No. 3, X-Ray	2.00
DX-76	Headlight door	156 Solar	2.00
DX-55	Knurled door nut	All H. D. Lamps	.25
DX-80	Knurled door nut	156 Solar	.15
DX-56	Door glass 8 inches	H. D. No. 2, Old Reliable	.25
DX-58	Door glass 7½ inches	H. D. No. 1, H. D. No. 3, X-Ray	.25
DX-83	Door glass 8 inches	156 Solar	.25
DX-60	Door glass retainer	H. D. No. 2, Old Reliable	.25
DX-62	Door glass retainer	H. D. No. 1, H. D. No. 3, X-Ray	.25
DX-83	Door glass retainer	156 Solar	.20
DX-64	Front door reflector	H. D. No. 2, Old Reliable	.75
DX-65	Front door reflector	H. D. No. 1, H. D. No. 3, X-Ray	.65
DX-91	Front door reflector	156 Solar	.90
DX-67	Mirror 5½ inches	H. D. No. 1, X-Ray	1.75
DX-68	Mirror 6 inches	H. D. No. 2, H. D. No. 3, Old Reliable,	1.75
DX-96	Mirror 6 inches	156 Solar	1.50
DX-70	Mirror clamps and screws	H. D. No. 2, H. D. No. 3, Old Reliable,	.20
DX-72	Mirror clamps and screws	H. D. No. 1, X-Ray	.20
DX-101	Mirror retaining ring	156 Solar	.10
DX-105	Gas tube and nut	156 Solar	.50

NOTE—When ordering lamp parts for military models remember that 1917 Models were fitted with No. 3 lamps and 1918 Models with the Solar 156 lamp.

GAS TAIL LAMP PARTS

GX-47	Gas chamber	1918-20th Century	$ .40
FX-48	Red glass 1¾ inch		.12
GX-48	Red Semaphore 1¾ inches		.20
DX-1231	Red glass 2 inch	Solar	.20
FX-49	White glass 1¾ inch		.10
GX-49	White moulded glass 1¾ inch		.15
DX-1241	White glass 2 inch		.20
GX-50	Glass retainer 1¾ inch		.05
DX-1232	Glass retainer 2 inch	Solar	.10
DX-112	Door for tail lamp	Solar	.10
DX-113	Clamp thumb screw	Solar	.05
BO-20	Screw holding tail lamp to mud guard		.01
BO-652	Nut for BO-20		.02
BO-6	Gas chamber screw	1918-20th Century	.01

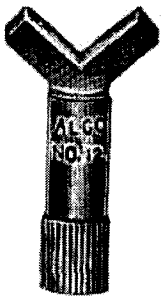
Electric lamp parts are listed in our regular parts price list.
For price of burners see Page 6.

FOR RESEARCH PURPOSES ONLY

ALCO ACETYLENE LAMP BURNERS

Every ALCO burner is made from the finest grade of imported steatite, and each one actually lighted and tested four distinct and separate times under acetulene gas before leaving the factory. Unhesitatingly, the manufacturer guarantees each and every burner absolutely perfect as to flame alignment and gas consumption.

The BURNER is the EYE of the lamp and if you were buying eyes, you would be satisfied with none but the very best, and the same good judgement, when buying burners, may save your life.



ALCO DE LUXE

The highest candle powered and most durable burner made.

Pillar 1¼ inch high. Burner over all 1¾ inch. Can be used in Solar No. 1236, No. 1, 2 and 3 Harley-Davidson lamps.

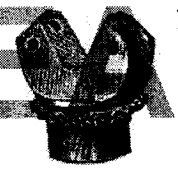
DX-35—½ ft. size, $ .30

ALCO No. 12

Genuine Imported Lava.

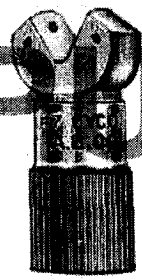
Pillar 1¼ inch high. Burner over all 1¾ inch. Can be used in all large lamps.

DX-38—½ ft., $ .25
DX-39—⅜ ft., .25



For old 20th century Tail Lamp and Solar Bike lamps.

FX-40, $ .15



For Solar tail lamps and sidecar lights.

DX-114, $ .20

CYCO No. 777

Air Holed Alco Bike Tip mounted in round pillar ¾ inch high. Burner over all 1 inch high. Can be used 1918-20th century and Fidelity tail lamps.

DX-40—⅛ ft., $ .15

ALCO HEXO

Turned Hexagon Pillar ¾ inch high. Burner over all 1¼ inch. Used in Solar No. 195 and 156.

DX-37—⅜ ft., $ .30

READY FOR USE

OPEN

PATENTED MAY 26, 1908

ALCO-BARNARD BURNER CLEANER

In the Patented Barnard Cleaner you obtain 50 Cleaners in one outfit. The old style single cleaner must be thrown away when you have broken or burned up the one needle. Hence it is far more economical to use the Barnard Cleaner.

FX-428, $ .30

FOR RESEARCH PURPOSES ONLY

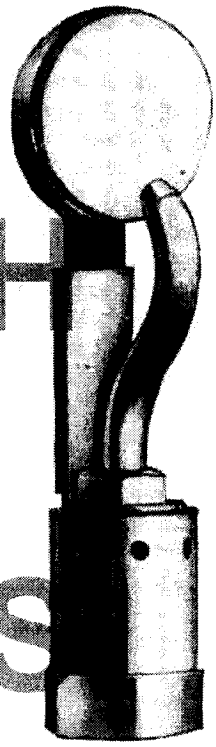
BURNER CEMENT

Suitable for gluing lava tips in lamp burners. Never thickens or becomes unfit for use however, long it may be kept. Requires no heat in applying it. Can be used for many other purposes where a very good glue is required. Put up in air tight collapsible tube.

GX-35—per tube, **$ .15**

FOR

BRILLIANT BURNER



This burner gives three times the light that a standard burner will consuming an equal quantity of gas. Rated at 60 candle power and consumes from ½ to ⅔ cubic feet of gas per hour depending on the amount turned on. Gives an intense light with much broader beam than an electric light. Can be turned down when bright light is not necessary. It cannot crack the reflector as the flame is thrown in the opposite direction. This should be used whenever a non-glare device of any kind is fitted to the headlight.

DX-41—Per set of one Burner with two extra buttons..... **$2.00**
DX-41P—Per pair of two Burners, with one extra button, **3.00**
DX-42—Extra button, per pair..... **.80**

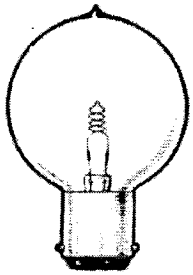
RESEARCH
PURPOSES

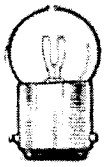
ELECTRIC BULBS

G-12 size bulb is too large to properly focus the Harley-Davidson Solar electric lamps, so we are now supplying size G-10. which is a smaller bulb, but can be focused perfectly, thus giving the maximum amount of light.

ONLY

Mazda B. We furnish both the headlight as well as the smaller bulbs in this type.





DX-46—7 volt, 2 candle power for dimmer, tail lamp and inspection lamp ..... **$ .23**
DX-45—7 volt, 10 candle power for headlight.. **.30**

Mazda C. We only furnish the headlight bulb in this type. This should be used whenever a no-glare device of any kind is used.

FX-45—7 volt, 20 candle power for headlight, **$ .35**

PREST-O-LITE GAS TANK

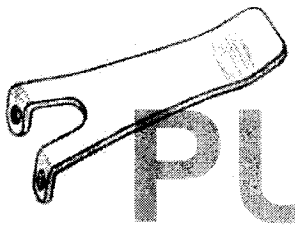
DX-120—Tank complete with gauge bands, union and key, F. O. B., Milwaukee..... **$13.75**
DX-121—Tank only with key.. **12.00**
DX-122—Handlebar bands, Per Set..... **1.25**
DX-124—Bands only for tank, **.50**
DX-125—Handlebar clip only, **.20**
DX-127—Wing nut and bolt... **.10**
DX-128—Key..... **.05**
DX-129—Tank Union..... **.40**

PRESSED STEEL PREST-O-LITE TANK BRACKET FOR LUGGAGE CARRIER

Special bracket designed so that the Prest-O-Lite tank can be attached to the Harley-Davidson luggage-carrier. Made entirely of pressed steel with the exception of the bolts and wing nuts which are drop forgings. The inside of the clip fits the curve of the luggage carrier preventing the tank from slipping down. Small claws prevent the tank from tipping sideways when the band is tightened up securely. The tank can be quickly removed and replaced by simply loosening the thumb nuts.

CN-40—Gray, Per pair..... **$1.25**
CN-40Z—Olive Drab, Per pair..... **1.25**

PREST-O-LITE TANK SUPPORTING BRACKET



With the use of this bracket a rider who prefers to place the Prest-O-Lite tank on the handlebar can do so and have a rigid support for it. The bracket is held in place by the triple clamp screws on the front fork. Two extra long screws are furnished with each bracket.

AK-200—1912 and earlier models, each, **$1.00**
DK-200—1913 to 1915 models, each.... **1.00**
EK-200—1916 and 1917 models, each.. **1.00**
GK-200—1918 models, each..... **1.00**

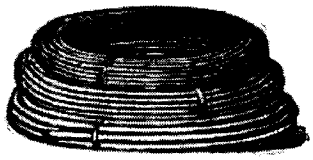
TEE CONNECTIONS

A small brass well made connection to join the tubing so that gas can be supplied to both the head and tail lamp.

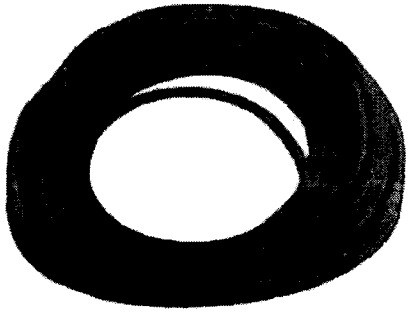
DX-131, $ .10

ANNEALED COPPER TUBING

We find that the best results are obtained from 3-16 inch annealed copper tubing which is large enough to supply the amount of gas necessary to light the lamps and yet is neat and compact. It is soft and pliable, but exceptionally strong and will stand a good deal of wear and tear.



DX-117—Per ft..... **$ .15**
Length of 6 ft..... **.85**
Per lb. (About 17 ft.).... **2.00**



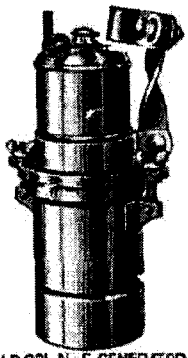
RUBBER TUBING

After experimenting for some time with various grades and sizes of rubber tubing we decided on the quality which we are now supplying. This is a live rubber tubing 1/8 inch wall, 3-16 inch hole.

DX-118—Per ft..... **$ .15**
Per lb. (About 10 ft.,. **1.25**

FOR RESEARCH PURPOSES ONLY

OLD SOL No. 5 GENERATOR WITH BRACKET



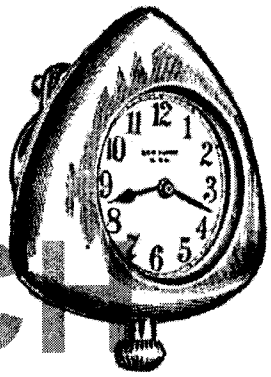
OLD SOL No.5 GENERATOR WITH E BRACKET

A sturdily built generator with bracket especially designed to fit the Harley-Davidson. Double clamp feature of fastening the carbide chamber to the water chamber enables the rider to quickly clean and recharge the generator after removing it from the motorcycle. Capacity 12 ounces of carbide. Will burn the Harley-Davidson No. 3 lamp or Solar lamp for about six continuous hours. Height 8½ inches, diameter 3¼ inches, weight 1 pound, 9 ounces.

DX-32, $5.50

FOR

MOTORCYCLE CLOCK



The Nebo motorcycle clock is the most reliable clock that we have tested out. It is built to stand the vibration of a motorcycle being protected by a heavy case. The bracket will fit any handle bar and is locked by means of a special key, doing away with any chance of the clock being stolen. Highly nickel plated.

DX-425, $3.50

RESEARCH

TIRE TOOL SET

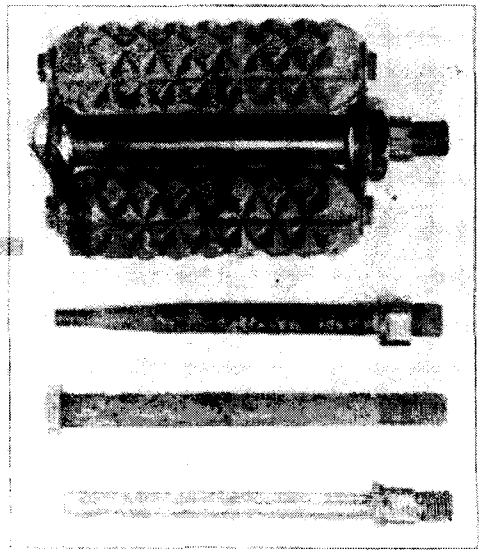
Consists of three tools of heavy ribbed steel. Put up in a neat carrying case. Should be a part of every rider's equipment.

DX-189—Per set, $ .40

PURPOSES

PEDALS AND PEDAL AXLES

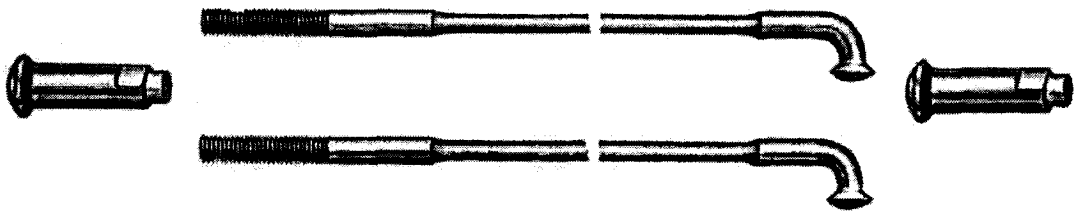
The pedal as shown is an expressly made pedal having a high carbon specially treated axle. Rubbers are better quality than is usually used and will give very satisfactory service. These are the only pedals that we are carrying although we can supply pedal axles which were used on older models.



FK-279P—Harley-Davidson Pedals, Per Pair $2.00
P-2—Right Pedal Axle for Standard No. 3 Pedal, each ..... .20
P-3—Left Pedal Axle for Standard No. 3 Pedal, each ..... .20
P-16—Left Pedal Axle for slip axle Pedal, each ..... .20
P-19—Right Pedal Axle for slip axle pedal, each ..... .20
P-29—Left Pedal Axle for Harley-Davidson Pedal, each ..... .20
P-30—Right Pedal Axle for Harley-Davidson Pedal, each ..... .20

ONLY

SPOKES AND NIPPLES



These spokes and nipples are the same brand that we are using for equipment purposes. They have been tested and approved by our Engineering Department. We recommend the following sizes and lengths for the various models.

AF-76 spoke may be used on all 28-inch wheel models from 1908 to 1912. The length of this spoke is 11 inches and should be fitted with AF-77 nipple.

CF-78 spoke may be used on 1913, 1914, 1915 and the front wheel of 1916 models. The length of this spoke is 10⅝ inches and should be fitted with AF-702 nipples when used on 1913 and 1914 models, but DF-702 nipples should be used on the 1915 models and the front wheel of the 1916 models.

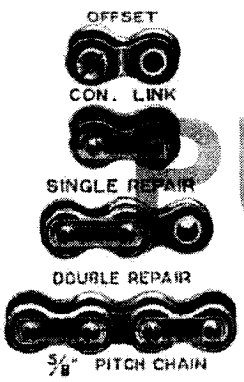
DF-79 extra heavy spoke is used in the rear wheel of the 1916 and all later models. This measures 10⅝ inches and should be fitted with EF-706 nipple.

AF-76—Spoke fitted with AF-77 nipple, each	$ .05
DF-78—Spoke fitted with either AF-702 or DF-702 nipple, each	.05
DF-79—Spoke fitted with EF-706 nipple, each	.05

FOR RESEARCH PURPOSES ONLY

CHAINS

Duckworth Chains



CX-340—Duckworth Chain No. 70, ⅝ pitch, ¼ inch wide, per ft	$1.00
EX-340—Duckworth Chain, ⅝ inch pitch, ¼ inch wide, (Extra Heavy Racing) per ft	1.50
DX-341—Duckworth Chains No. 170, ⅝ inch pitch, ⅜ inch wide, per ft	1.20

	No. 70		No. 170	
Connecting link	AK-712	$ .15	DK-712	$ .15
Offset repair links	BK-315	.20	DK-315	.25
Single repair link	BK-317	.20	DK-317	.25
Double repair or master link	BK-316	30.	DK-316	.35
Roller block	AK-320	.10	DK-320	.15
Springs, per dozen	AK-319	.30	AK-319	.30

AK-32—Duckworth pedal chain links, per set ..... .10

ROUND HEAD NICKELED STEEL SCREWS AND NUTS

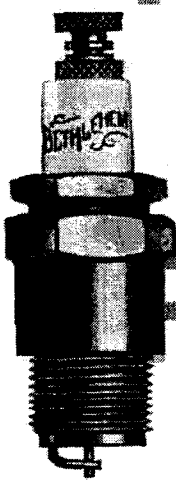
The handiest assortment a bicycle and motorcycle repair shop can have. Used on toe clips, bells, mud and chain guard braces, lamps, mechanical horns, license brackets, tanks, etc. This assortment contains one gross round head nickeled screws threaded 6-32, 8-32, 10-32 length ¾ inch to 1½ inch, with nickeled hexagon steel nuts to fit.

FX-409, $1.25

BETHLEHEM MICA SPARK PLUG

Here is a new Bethlehem product made especially for motorcycle motors. It is made of carefully selected mica cut and wound by experts. The shells are very carefully made by a new process which insures perfect fitting parts. The shell and lock nut is in a new attractive statuary bronze finish, the terminal parts being of brass. This plug is now being used as standard equipment on our motorcycles, in the ⅞ inch S. A. E. size.

GX-140B—Metric Size	$1.00
GX-141B—½ inch Standard	1.00
GX-142B—⅞ inch S. A. E.	1.00
GX-142AB—Mica Cores	.40



BETHLEHEM PORCELAIN SPARK PLUG

This plug is made along the same lines as the mica plug, being a two piece plug. A very superior grade of porcelain is used instead of the mica. For those riders who prefer the porcelain plug, we can not recommend this too highly. This is also being used as equipment on our motorcycles.

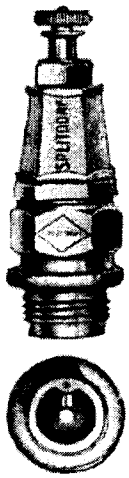
GX-141P—½ inch Standard	$1.00
GX-142P—⅞ inch S. A. E.	1.00
GX-141AP—Porcelain Core	.40

SPLITDORF SPARK PLUG

The Plug With The Green Jacket

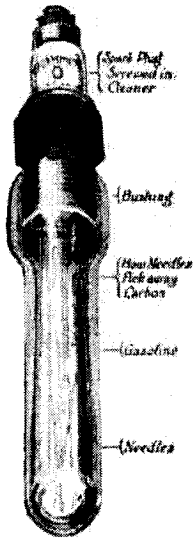
This plug is also highly recommended for use in motorcycle motors having a mica core and a green porcelain jacket. Supplied in metric, ½ inch and ⅞ inch.

GX-140S—Metric Size	$1.00
GX-141S—½ inch Standard	1.00
GX-142S—⅞ inch S. A. E.	1.00
GX-142AS—Mica Core	.50



FOR RESEARCH PURPOSES ONLY

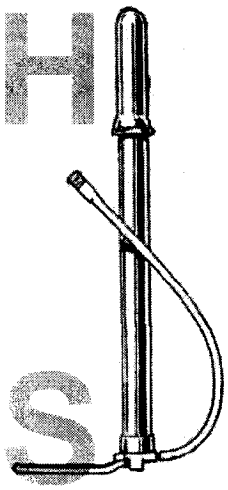
CHAMPION SPARK PLUG CLEANER



This is an article that is almost a necessity for cleaning one piece spark plugs. It will quickly and efficiently clean all kinds of spark plugs by simply putting a little gasoline in the tube, fitting to spark plug, and shaking. The gasoline and the small needles do the rest.

FX-429, $ .75

SPECIAL HARLEY-DAVIDSON BRIDGEPORT PUMP

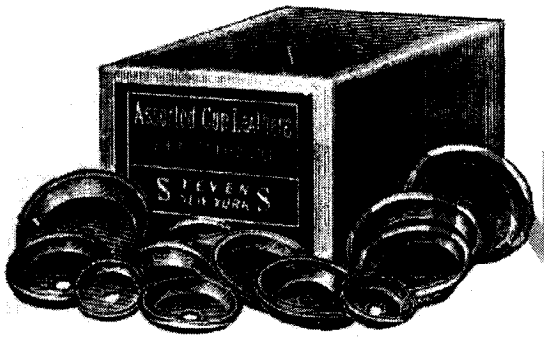


This is made especially for us by the Bridgeport Brass Company of seamless brass tubing with foot attachment heavily nickel plated. We furnish it with two spring clips. The hose is run inside the cylinder when not in use. Length 19 inches, 4 inches longer than the standard pump.

AK-98—Complete with clips..... **$1.50**
AK-98A—Extra hose..... **.15**
DK-98A—Extra rubber washers for Austin pump..... **.10**

RESEARCH PURPOSES ONLY

CUP LEATHERS ASSORTED



Cup Leathers are always in demand but seldom found in the stock of the busy dealer. This asosrtment gives an excellent supply at a minimum investment. made up of 72 washers, sizes ranging from ¾ inch to 1½ inch.

FX-410, $ .40

PUMP HOSE

This hose is made especially for use on high pressure automobile pumps, also motorcycle and bicycle pumps. Put up in 12 ft. lengths. Carried in black only in 3-16 inch, 3 ply.

FX-447—Per ft., **$ .12**

TWOMBLY TIRE-FOOT-PUMP

It's the bending the stooping, the straining at the hand-and-back pump in an effort to blow that flat tire up to the required air pressure that sometimes takes the pleasure out of motorcycling.

Compare the back strain, fatigue, inconveniences of the hand-and-back pump with the manifold advantages of the Twombly Tire-FOOT-Pump.

The Twombly inflates the tires correctly, quickly, easily.

Use the ball of either foot, pressing the lever lightly straight down, leaning slightly forward and accommodating the weight of your body to the footstroke.

The pressure released, the spring returns the lever to its original position ready for the next stroke. The toggle lever gives you 50, 60, 80, or 100 pounds with little effort.

The Twombly Tire-FOOT-Pump is simple in construction, the few all-steel parts giving the greatest wear-resistance. Compact—17 x 3½ x 3 inches when folded. An ideal pump for sidecar tourists and for shop purposes.

GX-734, $5.00

TWOMBLY
Tire-FOOT-Pump

TWOMBLY
Tire-FOOT-Pump

THUMLOCK PUMP CONNECTION

"The Grip That Cannot Slip"

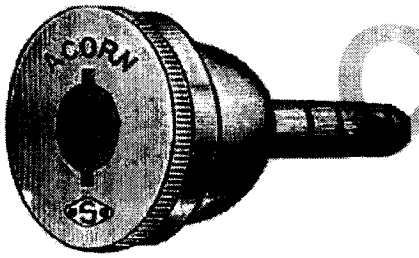
Only four parts—shell, lever, compressor-stem, cylindrical rubber washer. Place the shell over the valve; thumb the lever and the washer hugs the valve—an absolutely air-tight connection. Release lever and Thumlock lifts off easily, so you can't bruise your hand. Always quickly and cleanly operated. Locks snugly—rubber washer lasts indefinitely.

FX-445—Each, $ .35

Display card is a winning salesman for the Thumlock Connection and we advise dealers ordering in this way.

FX-445A—Display card with one dozen Thumlocks **$4.00**

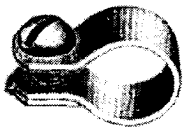
ACORN VALVE CONNECTIONS



The most popular valve connection ever made as it will fit any valve. A perfectly air tight connection is instnatly made by simply pushing it on over the valve. Easily and quickly removed without loss of air. Will last for months before rubber washer needs replacing. When this is necessary it can be replaced in a few moments.

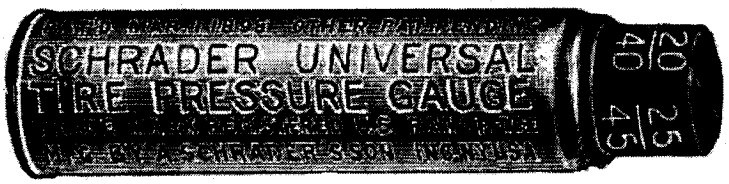
FX-441—Each . . . . . $ .20
FX-441A—Extra Acorn connecting washers, each 05

HOSE BANDS



FX-5526—No. 1, ⅜ inch inside diameter, per dozen . . . . . $ .50
FX-5527—No. 2, ⅝ inch inside diameter, per dozen 50
FX-5528—No. 3, ½ inch inside diameter, per dozen 50

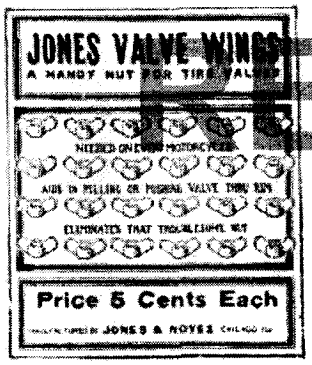
SCHRAEDER UNIVERSAL TIRE GAUGE



Nothing is so essential to the long life of tires as the proper pressure of air in them. With the Schraeder pressure gauge correct air indication is assured.

DX-145, each $1.25

JONES VALVE WING NUTS



Nothing is so annoying as to lose time removing the hexagonal nut when you are unfortunate enough to have a puncture. The wings on the Jones valve nut make it easy for the rider to quickly remove or lock the stem firmly in place with his fingers without using a wrench or a pair of pliers.

FX-150—each..... $ .05
FX-150A—Card of 24. . 1.50

SCHRAEDER VALVE PARTS

Schraeder Universal Valve Inside

Used on all types of pneumatic tires.

DX-146—Cap..... $ .05
DX-147—Cap washer..... .02
DX-148—Valve inside..... .06

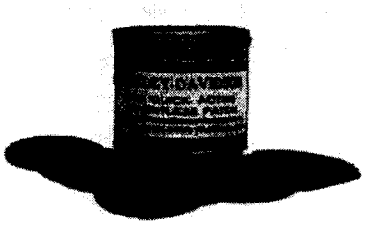
FOUR-IN-ONE VALVE TOOL

This tool consists of a tap for tapping out the inside of the valve and also acts as a screw driver for removing the inside as well as a die for cutting threads on the outside of the valve. A reamer for smoothing off the top of the valve to allow washer and cap to fit perfectly is also a feature.

DX-149—each, $ .25

FOR RESEARCH PURPOSES ONLY

HARLEY-DAVIDSON RED CEMENTLESS PATCHES

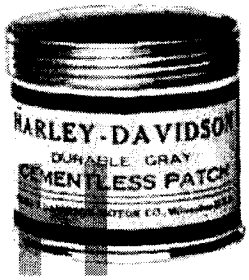


A scientifically prepared red rubber patch of the best material which can be used immediately without acid or cement on any inner tube. A good heavy weight patch tapered to a feather edge. A piece of wax cloth protects uncured side of patch, which is removed when patch is to be used. Ten two inch patches packed with emery paper in air tight screw top box.

DX-155—Per box, **$ .50**

FOR

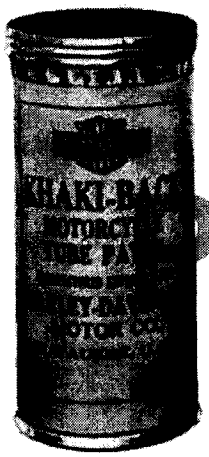
DURABLE GRAY CEMENTLESS PATCH



These patches have all the qualities of the higher priced patches except that they are die cut instead of having tapered edges. The rubber adhesive surface cannot be improved upon regardless of cost. Ten two inch patches packed with emery paper in air tight screw top box.

DX-156—Per box, **$ .35**

RESEARCH



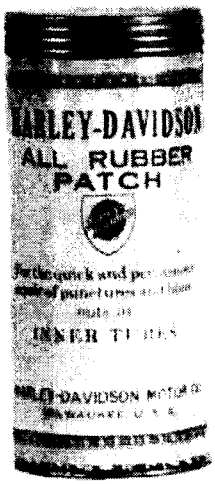
HARLEY-DAVIDSON KHAKI BACK PATCH

A specially prepared khaki patch having one layer of rubber vulcanized into the cloth and a second layer of uncured stock applied to this. An effective, quick and permanent patch for repairing punctures or a blow-out in inner tubes and for emergency use in cases. The outfit is complete in itself and does not require any tools or other material except a knife or a pair of shears to cut patch to desired size. Very simple and can be used by any one. A complete repair can be made in from five to ten minutes. Outfit consists of a sheet of patching material, tube of pure gum cement and a strip of emery cloth. Packed in air tight screw top can.

FX-166—Size 3 inch by 10 inch, **$ .40**

PURPOSES

THE HARLEY-DAVIDSON ALL RUBBER PATCH



ONLY

Every since inner tubes have been in use owners have made their own repairs with a round or oval shaped rubber patch, cementing this patch firmly to the part to be repaired.

The Harley-Davidson all rubber patch operates on the same principle only instead of being cut in round or oval individual patches, it is furnished in one long strip. This enables the car owner to cut a piece of the material ot fit the size of the puncture or blow out. A slit many inches long in a tube can be repaired. Each box has a tube of cement and a section of emery paper.

GX-166—Motorcycle size 3 inch by 10 inch, **$ .50**.

HARLEY-DAVIDSON RUBBER CEMENT

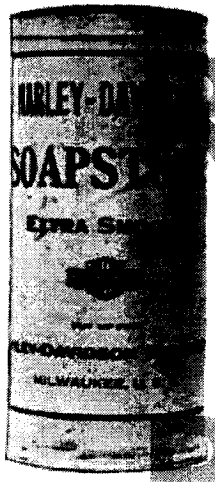
This is the highest grade of motorcycle rubber cement that can be produced. It is made of the finest grade of rubber combined with the purest of chemicals. Put up in 1 by 4½ inch improved screw top cans.

DX-162—each, $ .15

DUTCH BRAND "7711" PATCHING CEMENT

A general all-around good patching cement that compares favorably with any cement on the market. Not only adapted to motorcycle and bicycle work but is splendid for use in the repair shop for general rubber patching of all description.

FX-162—¾ by 4 inch Tube, $ .10



HARLEY-DAVIDSON SOAPSTONE

This soapstone is of an extra fine quality and free from grit. Put up in a very convenient 2 by 4 inch patented top can.

DX-164, $ .10

MAGIC RUBBER MEND

With this preparation a permanent repair can be made on any tube in a very few minutes. It is a better article than the compound out of which the tube is made. It strengthens the tube and will outwear it. It is not a tire dough, tire putty or thread gum but a rubber mend that will effectively mend without vulcanization any article made of flexible rubber. It will stay mended regardless of weather conditions, hot or cold, wet or dry. It can not only be used for repairing tires but many other household articles made of rubber.

FX-182—Per can, $ .50

FOR RESEARCH PURPOSES ONLY

HARLEY-DAVIDSON HOOK-ON BOOT

A well made perfectly fitting tire boot that can be applied by simply slipping the hooks under the clincher of the rim. The hooks are all steel strongly riveted through all plies.

DX-170—3 inch size, **$ .70**

HARLEY-DAVIDSON LACE-ON BOOT

The Lace-On Boot differs from the Hook-On only in the matter of being applied. It has all the strength, toughness and serice features of the Hook-On Boot except extra long laces are furnished to simplify the application. One size only necessary to be carried in stock for motorcycle tires.

DX-171, $ .70

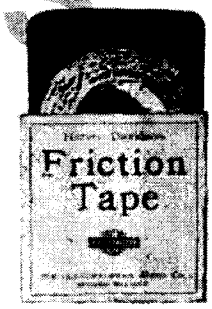
HARLEY-DAVIDSON INSIDE BLOW OUT PATCHES

These patches are made strong enough so that they will hold an ordinary blow-out without the help of an outside boot. It has two flaps which makes it fit snuggly around the bead and holds it securely in place. One size only—

DX-172—Each, **$ .40**

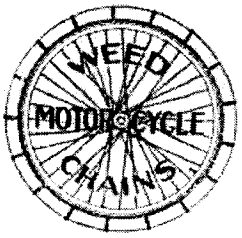
HARLEY-DAVIDSON FRICTION TAPE

Harley-Davidson Friction Tape is made by the latest improved machines which work the compound thoroughly into the fabric eliminating all pin holes and insuring an even and uniform friction. Each roll is wrapped in tinfoil and packed in paper carton.



DX-176—1	ounce	roll,	**$ .06**
DX-177—2	ounce	roll,	**.12**
DX-178—4	ounce	roll,	**.20**
DX-179—8	ounce	roll,	**.40**

WEED MOTORCYCLE TIRE CHAINS

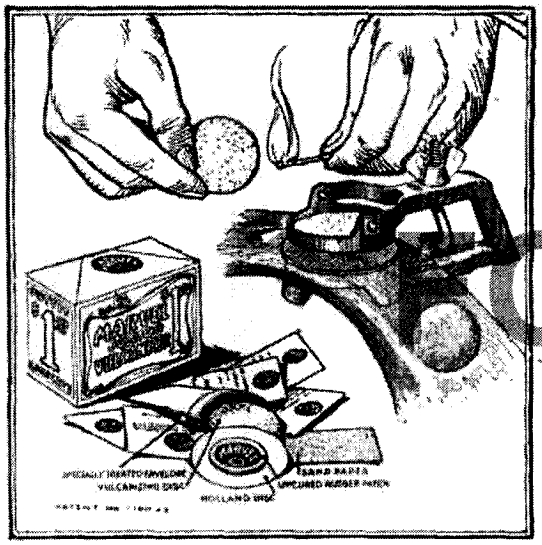


These chains are so well known that it is hardly necessary to give you a lengthy description of how they are made and what their objects are. It is obvious that every user of a motorcycle who wishes to drive with that degree of safety, should use these chains when the roads are muddy or icy.

DX-185—Size 28 by 3 inch, each **$3.00**
DX-186—Size 28 by 3 inch, Cross Chains, **.10**

FOR RESEARCH PURPOSES ONLY

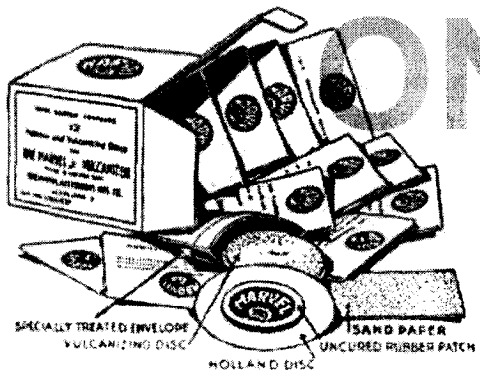
MARVEL JR. VULCANIZER



This vulcanizer is the simplest vulcanizer for tubes on the market today. Small enough to carry in your pocket and at the same time large enough to quickly and permanently vulcanize any punctures. No flame to burn the tube. No gasoline or alcohol necessary. An impregnated cardboard does the work. Will not blow out in the wind. Economical as there is no waste. Enough material furnished with each outfit to more than pay for itself. No experience is necessary. If you can light a match you can operate this vulcanizer. Six patches and vulcanizing discs furnished with each vulcanizer. Weighs 12 ounces. Packed in individual cartons.

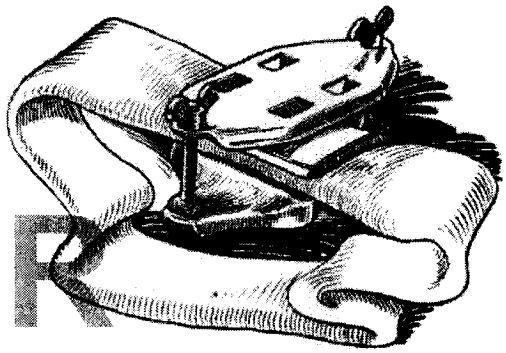
FX-193—Complete $1.00

FX-194—Box of 12 Patches and Discs, 1.00



PATENT No. 1.180.437

JUMBO TUBE VULCANIZER



Marvel Jumbo is a complete tube repair kit. It will vulcanize a patch as large as the heart of the hand.

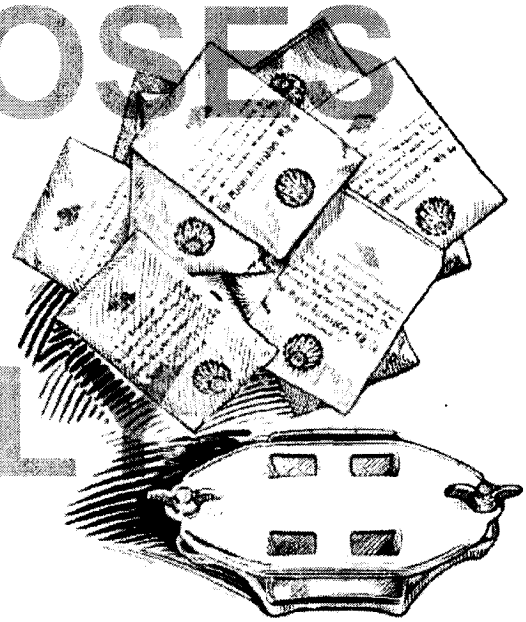
It is furnished with twelve patches, twelve chemicalized cardboard heating elements.

One patch and one heat element are packed in a moisture proof envelope.

Patch when applied covers an area 2½ by 1½ inches. It welds to the tube with a fine feather edge.

It is a five minute roadside repair kit that will vulcanize the largest tube puncture or blowout. Quick, compact, simple in operation.

GX-193, $1.50



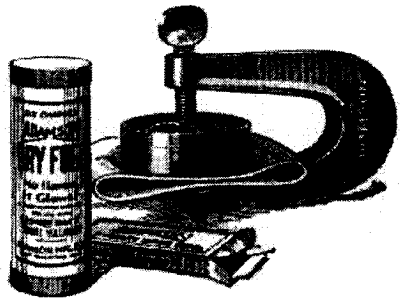
Twelve large patches and twelve heating elements packed in box in the original sealed envelopes.

GX-194, $1.00

FOR RESEARCH PURPOSES ONLY

ADAMSON FIVE MINUTE VULCANIZER

Operates with gasoline or Adamson dry fuel. A light and handy outfit for the quick repair of tube punctures. Will vulcanize any tube within five minutes.

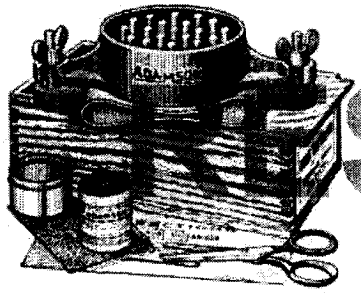


FX-192—Complete with one dozen Adamson Five Minute Gum Patches and Dry Fuel..... **$1.00**

FX-200—Box of one dozen Adamson Five Minute Patches..... .25

FX-200A—Box of one dozen Adamson Dry Fuel Charges..... .50

FOR



MODEL "T" ADAMSON VULCANIZER

This is for larger size motorcycle tubes. It can also be used for automobile tube work. Makes a perfectly vulcanized repair in a very few minutes without the use of cement or acid. Complete directions with every outfit.

DX-196, $1.50

SEARCH

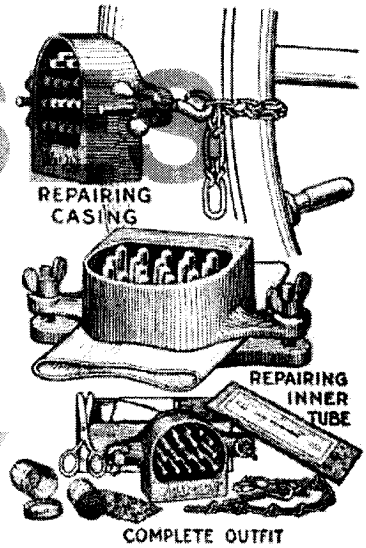
PURPOSES

MODEL "U" ADAMSON VULCANIZER

This vulcanizer can be used on either tubes or casings by covering the puncture with the necessary amount of gum, attaching the vulcanizer, putting in the prescribed amount of gasoline and lighting it. A practical vulcanizer outfit complete with repair gum ready for instance use.

DX-195, $2.00

ONLY

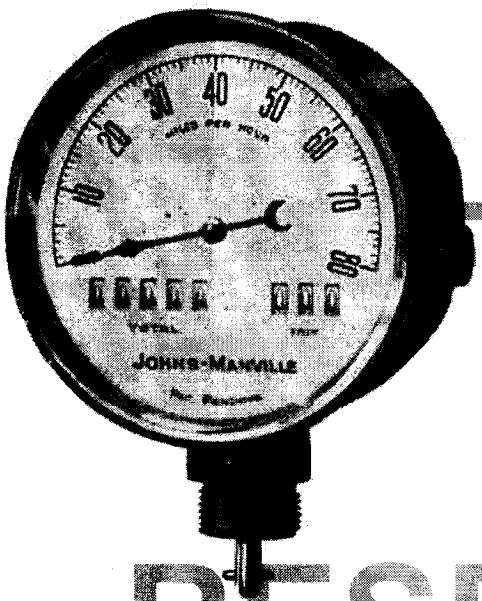


ADAMSON REPAIR GUM

This is especially prepared for use in Adamson Vulcanizers. It is compounded so as to give a perfect adhesion without the use of cement.

DX-199—One-fourth pound Rolls, each, $ .50

JOHNS-MANVILLE HARLEY-DAVIDSON MOTORCYCLE SPEEDOMETER



The Johns-Manville Harley-Davidson motorcycle speedometer has proven by its performance for the last two years that it is the best motorcycle instrument being offered. It is simple as the number of parts have been reduced to a minimum. No hair springs or magnetes that severe jolting or rough riding can put out of order. The parts comprise merely a governor shaft, a worm drive, an odometer movement, and a small section for operating the indicating hand.

Centrifugal Principle Insures Accuracy.

The design of the massive governor is such that it will be in running balance at all times thereby eliminating the unsteady hand characteristic of so many other speedometers. While it is sensitive enough to register every turn of the wheel it is so rugged that jolts and jars wont effect its operation or break the parts of which it is made.

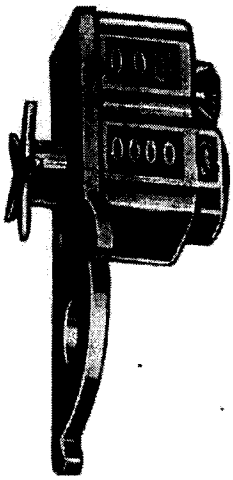
DX-201—Mileage type..... **$15.00**
DX-201K—Kilometer type..... **15.00**

JOHNS-MANVILLE SPEEDOMETER PARTS

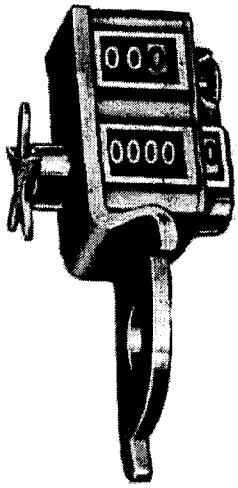
FX-800	80 mile head	**$10.00**
FX-801	Glass and ring	**1.00**
FX-802	Head and tank bracket	**1.50**
FX-803	Head screws	**.03**
GO-501	Bracket tank screw	**.04**
BO-410	Lock washer	**.01**
FX-804	33 inch casing	**2.00**
FX-805	33 inch cable, round tip	**1.50**
FX-806	33 inch cable square tip	**1.50**
FX-807	Angle joint cpt	**3.00**
FX-808	22 tooth fibre pinion	**.50**
FX-809	Fibre pinion washer, inside	**.05**
FX-810	Fibre pinion washer, outside	**.05**
FX-812	Frame bracket	**1.50**
FX-813	Frame bracket bolt	**.10**
FX-814	Frame bracket screw	**.10**
FX-811	Fibre pinion nut	**.10**
FX-815	Drive gear 76 tooth	**4.00**
FX-816	Drive gear tie plate	**.25**
FX-817	Tie plate screw	**.01**
FX-818	Spoke clamp	**.05**
BO-14	Spoke clamp screw	**.01**
FX-819	Oil cup	**.25**

FOR RESEARCH PURPOSES ONLY

VEEDER CYCLOMETER



This Veeder Cyclometer is made especially for the Harley-Davidson as a special bracket and striker is required. The mechanism is much stronger than the regular bicycle cyclometer and is designed to withstand the hard usage put to the high speed of the motorcycle. A much stronger type of star wheel is supplied and the Veeder specially designed friction is used which prevents the star wheel from spinning when going at a high rate of speed. The figures are large and can be easily read from the seat.



DX-210—For 1914-15 models..... **$3.00**

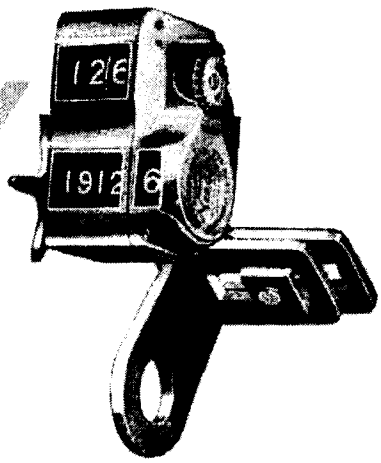
EX-211—For 1916-18 models..... **3.00**

FOR RESEARCH PURPOSES ONLY

DX-212—Veeder striker, 1914 to 18 models..... **$ .40**

VEEDER CYCLOMETER

In addition to the two special cyclometers we carry the regular motorcycle cyclometer in styles H-7 and H-10. The H-7 cyclometer is used on all motorcycles having cradle spring forks. The H-10 cyclometer is used on all motorcycles where the axle stands ahead of the fork, like on early Harley-Davidson models.



FX-210—For old models..... **$3.00**

FX-211—For cradle spring fork motorcycle..... 3.00

FX-212—Extra strikers..... .25

A WHIRR — A WHIZ

THAT was the motor cyclist in the days of the long ago—yes, sir-ee-a whirr, a whiz—the roar of a Kansas cyclone and the motor cycle was a cloud of dirt in the distance. And Mother, sitting in the back seat of the two lunged touring car, would give a start and gasp—"Laws me! What was that?"

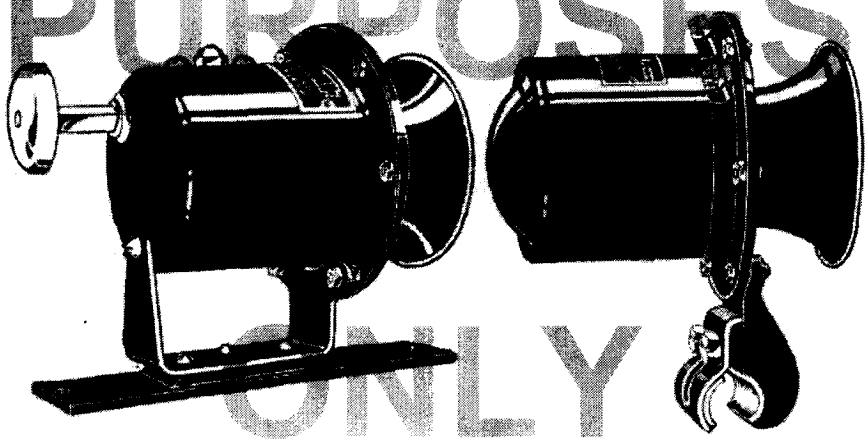
But now it's entirely different. The motorcycle purrs along the highway like a twin six and if he wishes to pass he asks right of way with his Klaxon.

And he uses a Klaxon because it's the Quality signal. It's the warning signal that put the "safe" in safety. It's dependable; it's as sure as gravity. Just push the plunger and —

There are two Klaxon Signals for motorcycles. 3MC is the horizontal push, hand operated signal—a safe and convenient signal. And 6M is the electrically operated signal.

Take your choice for both are Klaxons—but, whatever you do, Klaxonize.

DX-220—3MC, with tank bracket	**$3.75**
DX-221—3MC, with handlebar bracket	**3.75**
DX-222—3MC, with cross bracket	**3.75**
DX-224—6MC, with handebar bracket	**7.00**

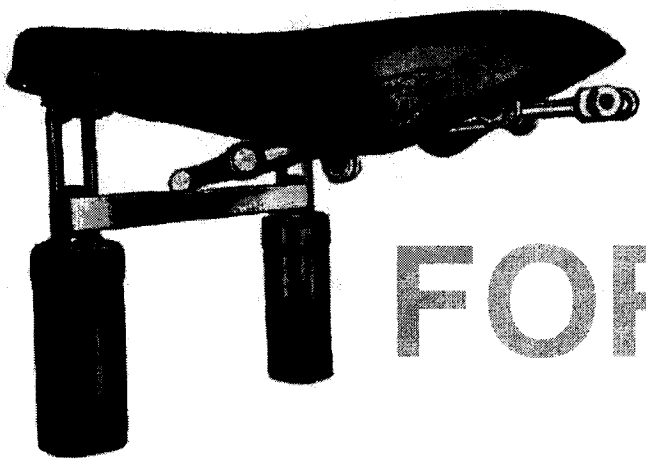


Model 3MC. $3.75 Model 6M, $7.00

KLAXON

FOR RESEARCH PURPOSES ONLY

MESINGER AIR CUSHION SADDLE

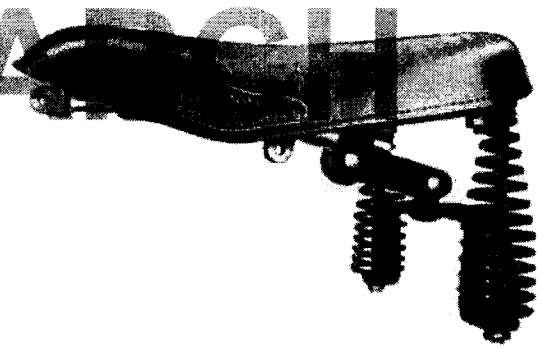


The downward shocks are taken by springs of the usual type and the upward rebound is checked by air pistons traveling in steel cylinders. This action eliminates all sudden jars and jolts making this the most comfortable saddle on the market. The construction is exceptionally strong throughout and is so simple that there is nothing to get out of order.

GK-795, $10.00

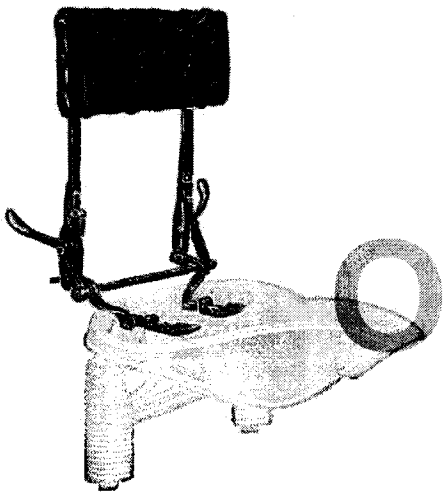
MESINGER AUTO CUSHION No. 2 WITH CENTER COMPRESSION SPRINGS

These springs are made with horizontal rod which shifts in tubes with leather padding on both ends preventing friction against the metal. No side sway, no bottoming and no noise. The only correct compression or extension on the spring should be operated from the center of both ends and not on the side. These springs with the heavily padded top make this saddle a very comfortable one. Size 12¾ by 14½ inches.

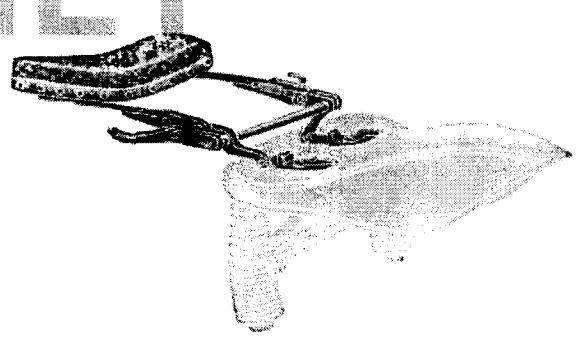


GK-795A, $7.00

WEED FOLDING BACK REST

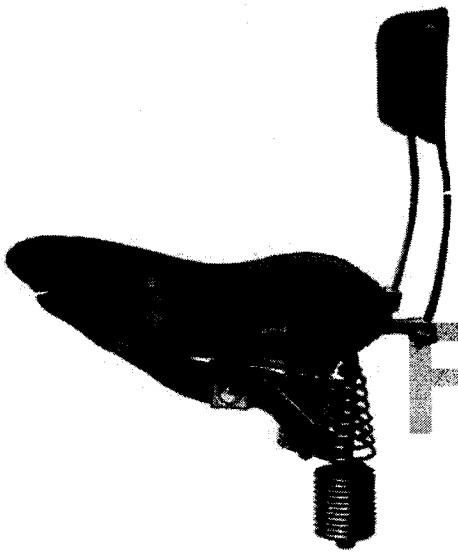


The Weed folding back rest is different than anything ever offered in this line. It has all the features of other back rests with the added feature which permits the rider to mount or dismount without hinderance by simply pressing a small lever on either side of the brackrest. It is strong and well made and will outlast the saddle to which it is attached. Finished in black only with tan leather upholstering.



FX-236H—Fits Messinger No. 2 Saddle	$3.50
FX-236M—Fits Messinger Air Cushion Saddle	3.50
Y-236T—Fits Troxel Saddle	3.50

FOR RESEARCH PURPOSES ONLY



F-N ADJUSTABLE BACK REST

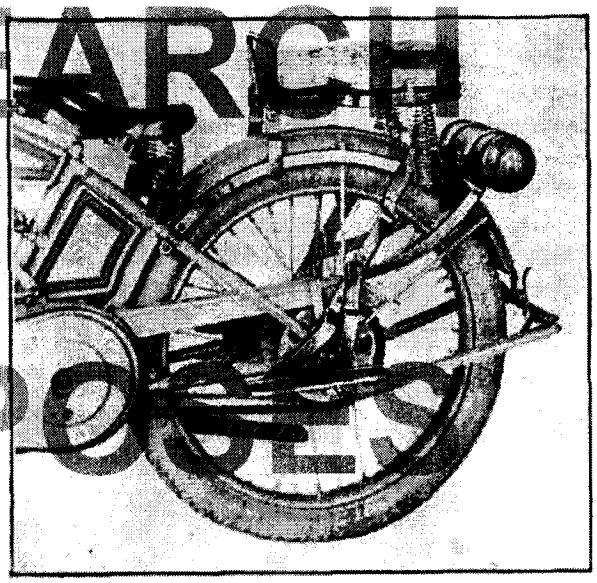
It makes motorcycling a pleasure and relieves fatigue on long rides. It is as strong as the saddle to which it is attached and can not work loose.

DX-236R—Fits all suspension saddles..... **$2.50**
DX-236TW—Fits all wood base saddles.... **2.50**

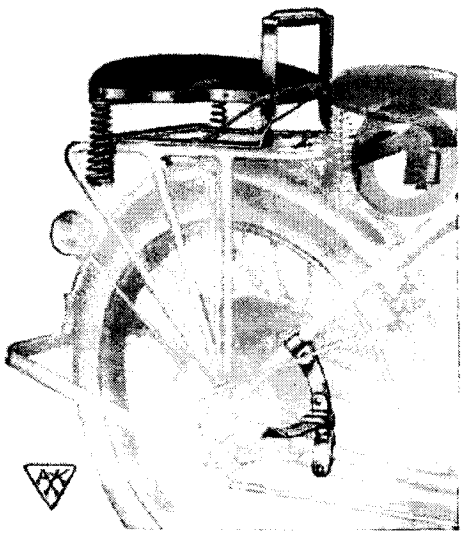
F-N TANDEM

This tandem can be used either as a tandem or luggage-carrier by simply putting on or taking off the cushion. Fitted with improved folding foot-boards designed in keeping with the lines of the tandem. Increased length of spring action. Every joint of the tandem is electrically welded, making the construction as strong as if from pressed solid steel Very light but durable.

The waterproof Kantpak cushion is very well made and is fastened to the tandem by means of web straps.



DX-235—Tandem only with attaching nuts..... **$12.00**
DX-237—Back rail may be placed in any position..... **1.50**
DX-238—Tool case only..... **1.50**
DX-244—Prest-O tank and tool case bracket..... **1.75**



A-K TANDEM ATTACHMENT

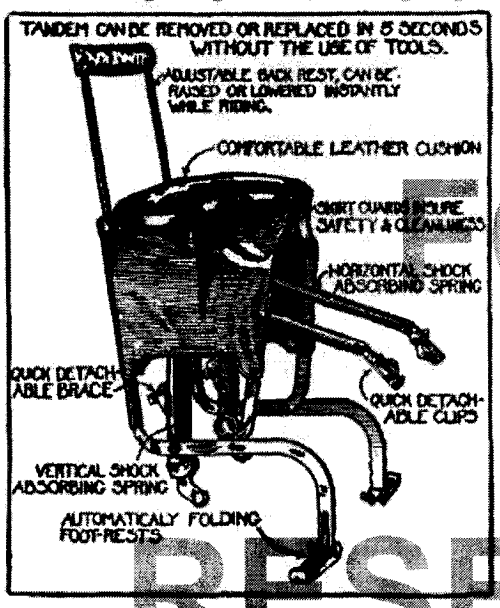
This tandem is an ideal outfit for the Harley-Davidson motorcycle. It has all the features found in the highest priced tandem attachments with the added advantage that it is not necessary to remove the luggage-carrier. Frame is strong and well braced. The latest type of suspension spring is used which allows plenty of spring action. The foot rests are placed far forward and fold up out of the way when not in use. Fits all Harley-Davidsons equipped with luggage-carrier.

DX-239—Complete, **$7.50**

FOR RESEARCH PURPOSES ONLY

STOLL DREAM TANDEM

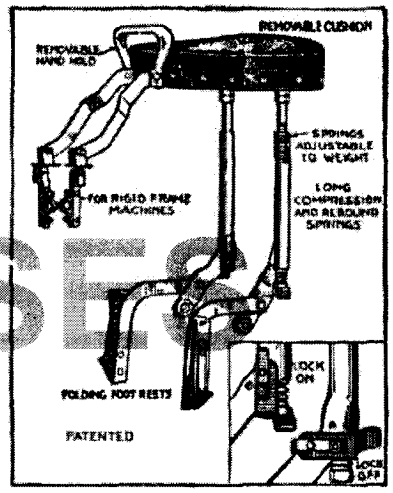
This is the smoothest, most comfortable tandem ever placed on the market. It has a long range of flexible spring action, yet it sets low on the motorcycle without hitting bottom. An exceptionally comfortable riding position is obtained by the upholstered, sliding backrest. The backrest can be raised or lowered instantly to any desirable height while riding and locks down automatically when not in use. The skirt guards not only act as a protection but also add to the appearance of the machine. The cushion is neatly upholstered of brown grain leather and is fastened to the seat frame by quick acting snap buttons allowing the rider to instantly remove the cushion if he desires to carry luggage. The tandem can be attached or detached in a few seconds without special tools and is absolutely safe.



DX-380—Complete, $25.00

STOLL TANDEM No. 2

A comfortable, neat, strong and simple tandem at a popular price. Long coil springs adjustable for different weights are a feature A strong and efficient locking device is provided so that the tandem can be locked when not being used by a passenger. The lock will not rattle and will hold either in the locked or unlocked position. Cushion is well made and is fastened with quick acting snap buttons which allow it to be quickly removed or replaced. Foot-rests are of the positive folding type and can not get out of order or rattle and will not become loose. The handhold is shaped and rounded to fit the hand. Can be quickly detached if desired.



DX-381—Tandem complete..... $12.75
DX-381A—Tandem with spring foot-rests, 15.75

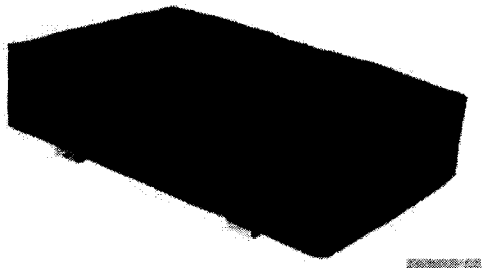
STOLL MOVING FOOT REST ATTACHMENT No. A

Makes the tandem very much easier riding as the foot-rests move as the tandem moves. Can be quickly attached to any 1915 to 1918 Stoll No. 2 tandem. Very substantial, neat, simple and easy to attach. Complete for attaching to tandem as shown in the dark outline.

DX-382—Per pair, $4.00

FOR RESEARCH PURPOSES ONLY

HARLEY-DAVIDSON LUGGAGE CARRIER SPRING CUSHION



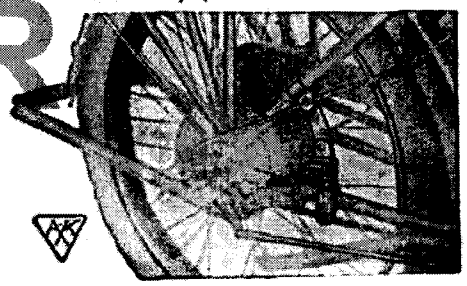
The immense sale of this cushion proves that it fills all spring cushion requirements. We have improved the cushion by putting in a deeper spring, padding it slightly heavier on the top and using a stronger covering material. It is absolutely waterproof yet neat and attractive. The fastening to the carrier is made by two special clips which clamp at four points holding it rigidly in place.

DX-240, $3.00

A-K FOOT REST

A neat, substantial footrest to be used in connection with a cushion on the luggage-carrier. Attached far forward where it is firmly secured to the rear fork stays. Folds out of the way when not in use and in no way interferes with the removal of the rear wheel. Finished in white nickel.

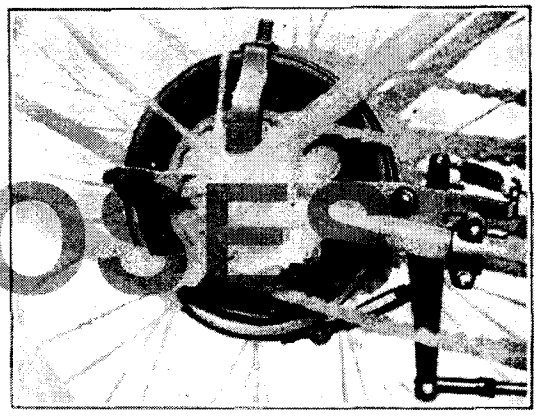
DX-243W—Per pair, **$2.00**



STOLL FOOT REST

This foot rest is made up especially for us by the makers of the Stoll tandem. Attaches far forward and is very similar in appearance to the foot rest mentioned above. Made of extra heavy metal with heavy clips. Folds out of the way when not in use and does not interfere with the removal of the rear wheel.

DX-243G—Per pair, Gray **$2.00**
DX-243Z—Per pair, Olive crab **2.00**



FOOT BOARD AND BAND BRAKE ATTACHMENTS

We are offering the foot board and band brake attachments so that riders of our 1912 and 1913 motorcycles can equip them with this improvement

No. CK-600—Twin cylinder models, price complete **$16.00**
No. CK-602—Single cylinder models, price complete **16.00**

FOOT BOARDS

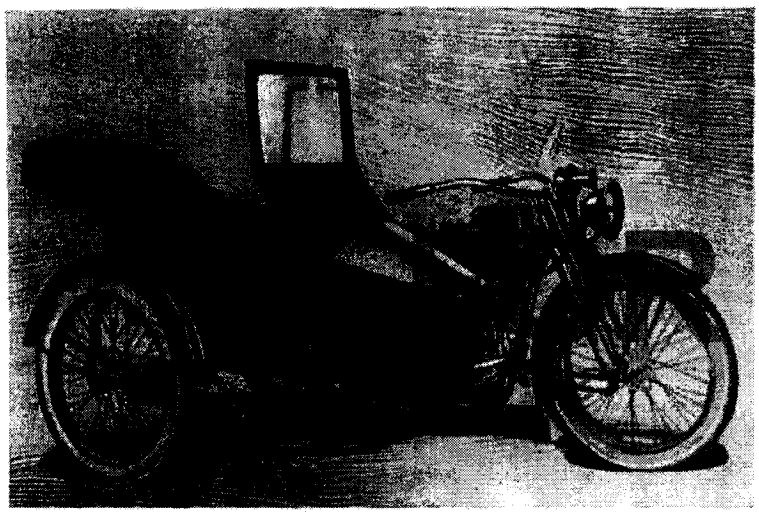
These foot boards are constructed the same as those used on our 1914 models, except that they are fitted with adjustable clamps so that they can be attached to models of previous years. The foot clutch lever is connected with the hand operating clutch lever by means of a small clamp so designed that it fits over the head of the quadrant friction bolt, while the foot brake lever is connected with the brake by means of an adjustable rod which acts independent of the pedals.

BAND BRAKE

The band brake is fitted over the Thor coaster brake but works independent of it. It is the same type as used on our 1914 10-A belt drive model, having an external contracting band operating on a brake drum $7\frac{1}{2}$ inches in diameter, with a $\frac{7}{8}$ inch face. Made of heavy pressed steel, brake band faced with the very best brake lining obtainable.

FOR RESEARCH PURPOSES ONLY

1918 SIDECAR TOP AND WINDSHIELD



The new Harley-Davidson sidecar top and windshield combination with top down and in its envelope and shield in position.

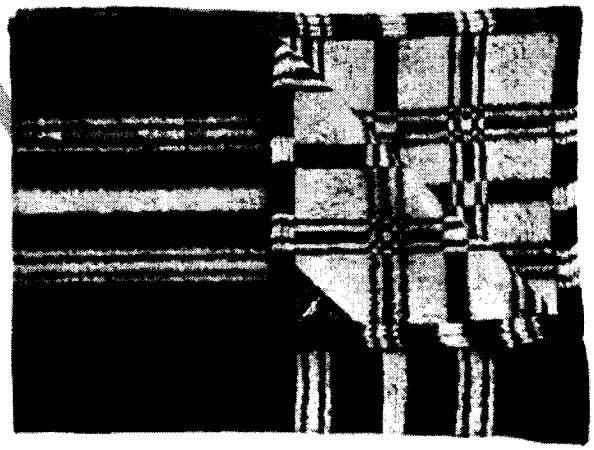
This is the lightest sidecar top on the market. It is put up easily and quickly and put down with just as little effort. There are no straps in front to flap, stretch or break, or which require buckling or snapping in place. This new top is never in the way of the driver (the handle bars cannot strike any part when turning a sharp corner) As the top is well in the back of the driver's normal line of vision it gives him a clear view up cross streets. The sidecar passenger does not have to "double up and climb into" the sidecar when this top and windshield is used. The windshield is simply tilted forward and the passenger steps in comfortably as though the top and shield were not there. The wind deflector, which is a part of the windshield, not only protects the passenger from the air currents thrown off by the motorcycle when in motion, but from mud, water, sand or pebbles thrown up by the front wheel.

For those who do not fancy a windshield, we have a special storm curtain which may be quickly fitted in case of a storm. When not in use this curtain rolls up in a neat container and is carried under the sidecar seat.

GX-331A—Sidecar top complete with windshield	**$25.00**
GX-331B—Sidecar top with front storm curtain	**23.00**
GX-331—Sidecar top only	**17.00**
GQ-220—Sidecar windshield only with deflector	**8.00**
GX-334—One piece storm curtain	**6.00**
GX-611—Right side curtain	**1.50**

HARLEY-DAVIDSON SIDECAR ROBE

It is true that the introduction of the sidecar has made motorcycling an all-season sport, and it is only reasonable that the sidecar passenger should be made just as comfortable as the driver. The Harley-Davidson sidecar robe will do more than any other one thing to make the sidecar passenger feel comfortable. It is of generous size, being 45 by 60 inches. This allows for plenty of "tuck-in." The robe is made of the famous "Motor Weave" material, which is worked up by a special system of double weaving which actually produces three closely interwoven layers. This robe is very durably made. The color is an attractive olive, set off with a border pattern of gray.



This robe can also be used by drivers of wagons or drivers of cars as a single robe. It is ideal for this purpose as there is no unnecessary bulk to interfere with the operating of foot levers.

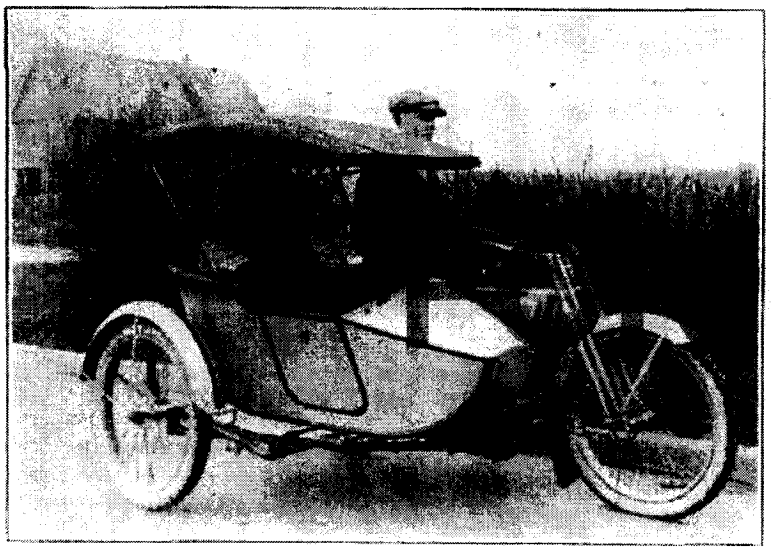
DX-339, $6.00

We can also supply this same Motor Weave robe in a larger size measureing 54 by 66 inches. This is the regulation small size auto robe.

GX-339, $6.50

RESEARCH PURPOSES ONLY

SIDECAR TOP TO FIT 1915 TO 1917 MODELS



This is the one-man type of top of the highest quality water-proof silk mohair in a rich dark olive shade which blends with either the gray or olive drab shades and does not show the dust or dirt. This top can be fitted very easily by anyone following the instructions furnished with each top. Complete with sidecar curtains, front storm curtain, top envelope, together with all necessary fittings to attach.

EX-331, $25.00

RESEARCH

SIDECAR SEAT COVERS

A set of seat covers gives your sidecar that snappy attractive appearance as well as protecting the upholstering. They are warmer in cold weather and cooler in hot weather than the artificial leather upholstering. Each set of covers is made to fit so you are assured of a good job. Made of a handsome olive water-proof silk mohair, bound with extra heavy black binding. A set consists of a cover for the seat and the back.

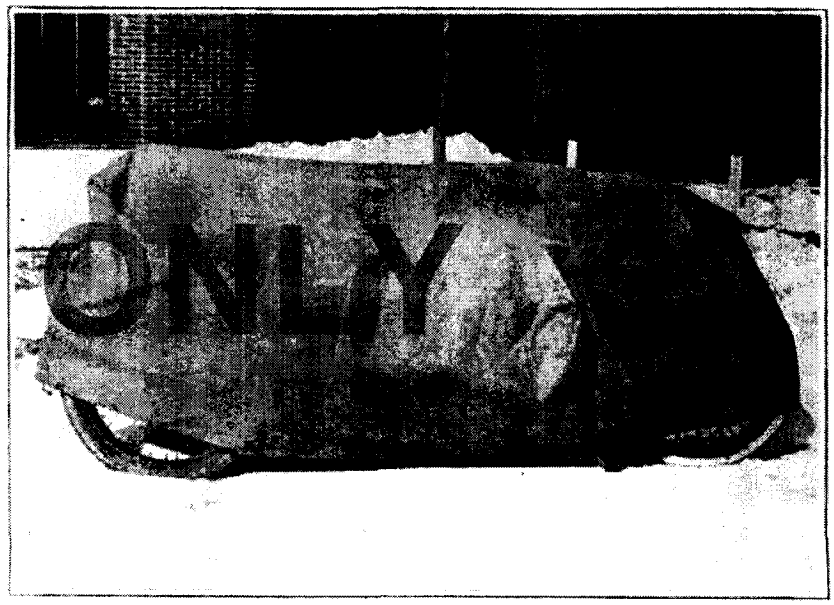
EX-335—for 1916 and 1917 sidecars **$5.50**
GX-335—for 1918 sidecars **5.50**

PURPOSES

WATERPROOF DUCK MOTORCYCLE AND SIDECAR COVER

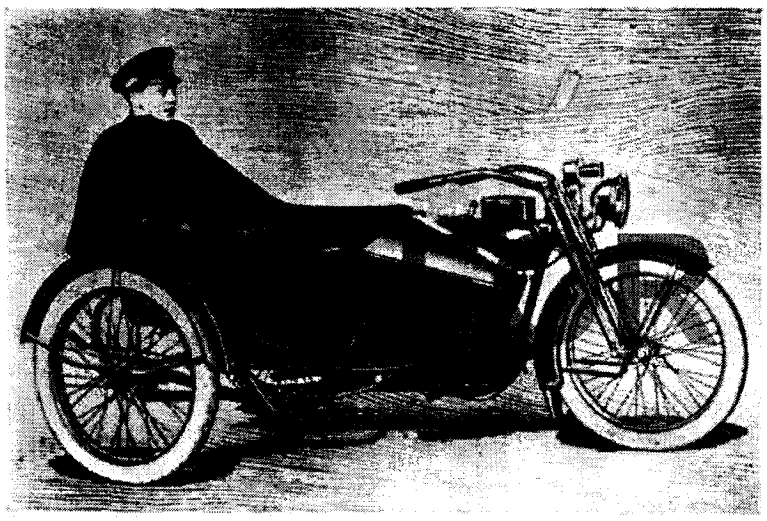
This is an especially designed cover for a motorcycle and sidecar outfit. It is made of an 8 ounce double twisted waterproof khaki tent duck, fitted with ropes so that the cover can be tied down to prevent it being blown off of the outfit in case of a severe wind storm. Especially desirable for tourists or owners who are so situated that they cannot obtain suitable storage space.

GX-449, $10.00



ONLY

HARLEY-DAVIDSON SIDECAR APRON OR PONCHO



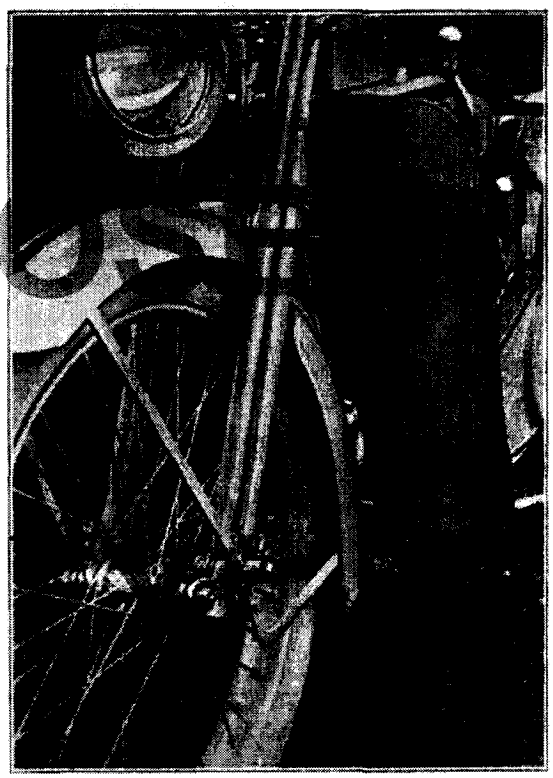
This is a combination sidecar apron and poncho. It is absolutely waterproof being made of the very best materials. It is heavily reinforced wherever eyelets or snap fasteners are attached. It is provided with center opening which can be buttoned up tight when simply covering the sidecar or opened when brought over the sidecar passenger's head. This apron will keep the passenger perfectly dry in the heaviest rain storm. The cape which protects the back of the passenger can be folded under the apron when not needed. The material will not crack and can be folded up and carried under the sidecar seat when not in actual use. Complete with all fittings.

EQ-85B—Black waterproof fabric leather for 1916-1917 sidecar	$5.00
EQ-85Z—Olive drab waterproof mohair for 1916-1917 sidecar	5.00
GQ-85B—Black waterproof mohair for 1918 sidecar	5.00
GQ-85Z—Olive drab waterproof mohair for 1918 sidecar	5.00

SIDECAR MUD SHIELD

This mud shield protects the driver when traveling over freshly oiled roads or sprinkled pavements. Are especially designed for those riders who pride themselves upon their neatness and much of the time ride with their ordinary street clothes. This shield can be put on or taken off of the motorcycle in about ten minutes. As it is not desired to use the shield on long country trips when it is necessary to subject the motor to long, hard pulls over rough or sandy roads the quick detachable feature is important.

EK-2029—Gray	$3.50
EK-2029Z—Olive Drab	3.50



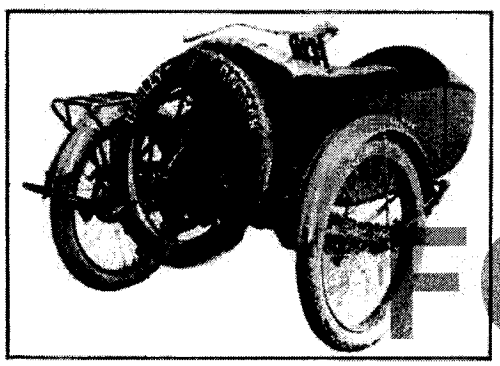
FRONT AND REAR SKIRT GUARDS

Will prevent the mud and dust thrown up by the wheels from reaching the rider. Will also prevent the skirt or long coat from being tangled in the wheels and other working parts of the motorcycle. The front wheel guard protects the rider and machine from spattering mud and dirt, especially when turning corners. They are made of the best grade of gray waterproof material, which can be washed and kept clean. Easily removed and easily replaced. *Designed and made especially to fit the Harley-Davidson.*

EX-371—Front skirt guard 1916 to 1918	$1.25
EX-373—Rear skirt guard 1915 to 1918	1.25

RESEARCH POST ON

SIDECAR TIRE RACK



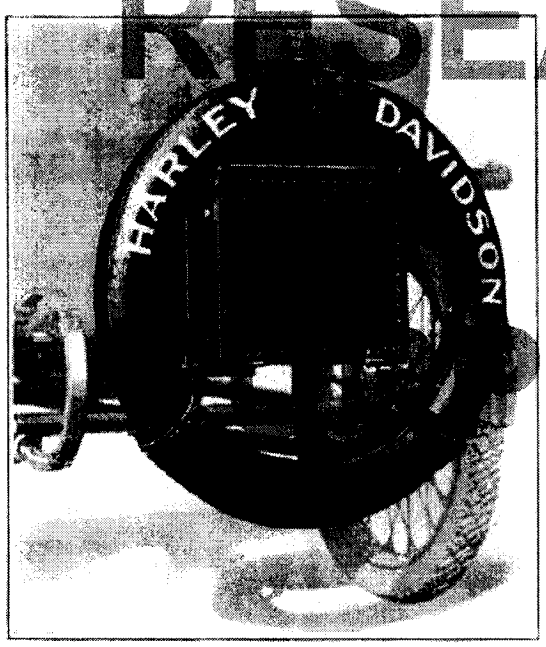
In answer to the many requests for a tire rack our Engineering Department designed the type shown in the illustration. This not only provides a carrier for the tire but also a a small platform for bundles. This is not designed for heavy, bulky material but small packages can be carried very conveniently. The special sidecar trunk shown can also be carried on the platform of this rack.

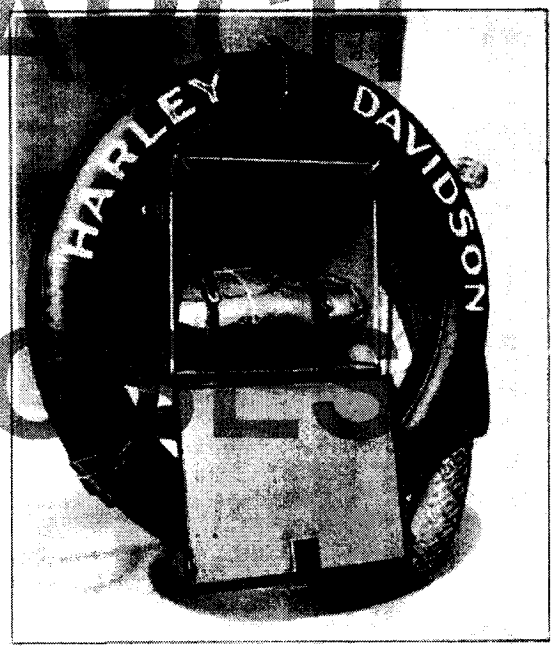
FQ-200—for 1916 and 1917 sidecars, **$4.00**
GQ-200—for 1918 sidecars..... **4.00**

TIRE COVER

This cover is made of a fine quality of enameled cloth cut from a perfect fitting pattern so that it will fit all makes of 3 inch tires. Fastened with snap buttons. In the edge of the flap is inserted a highly tempered flat spring which seals the cover against water and dust.

FX-604, $1.75





SIDECAR TRUNK

Here it is—the sidecar trunk to be used in connection with the Harley-Davidson tire rack and luggage-carrier. Large enough to accommodate a number of small articles which you may desire to take on your trips. Made of ¾ inch Bass wood covered with a special black enameled duck. Bond with heavy vulcanized olive drab fibre. Corners protected by heavy brass finished clamps. Fitted with inside lock for which two keys are provided. Two substantial brass catches hold the door firmly in place when the lock is not used. Inside of trunk lined with a drab color linene. Provided with two web straps so that articles can be held securely in place when the trunk is not packed to capacity. Very easy to attach to the tire rack as two or three screws properly placed will hold the trunk securely on the rack.

FX-333—To fit 1917 Tire Rack..... **$10.00**
GX-333—To fit 1918 Tire Rack..... **10.00**

FOR RESEARCH PURPOSES ONLY

WEB STRAPS

There is nothing more convenient when touring than a luggage strap as it is not only very handy for strapping on extra luggage but can be used for many other purposes. We find the most practical size is ⅞ inch wide, 4 foot long. Made of a brown web which is much stronger than leather of the same size and more pliable. The instantaneous acting buckles give you a much better adjustment than can be obtained on the ordinary leather strap.

FX-602, $ .20

SIDECAR TOOL CASES

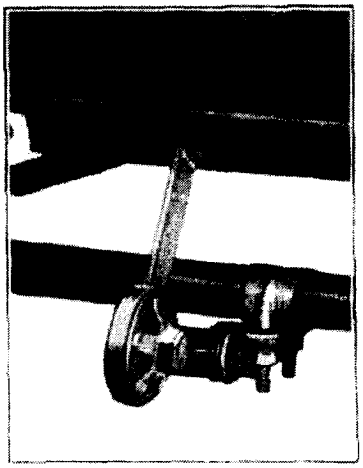
An urgent call prompted us to offer this very useful accessory. Designed to fit under the sidecar seat. Made of a heavy vulcanized fibre reinforced at seams and corners. Provided with a handle and two minature trunk hasps. Fitted with two web straps so that the contents can be strapped down securely. Very useful for tools or other small necessities you like to carry on your trips.

FX-336—for 1917 sidecar	**$2.75**
GX-336—for 1918 sidecar	**2.75**

HARTFORD SHOCK ABSORBER

This is the famous Hartford Shock Absorber with specially designed fittings for our sidecar. It automatically controls the springs with just the degree of control required. The result is that the car recognizes little difference between the smoothest boulevard and the roughest road. Each one is complete and ready to attach.

FX-603G—Gray for 1915 and 1916 sidecars	**$5.00**
FX-603Z—Olive drab for 1917 and 1918 sidecars	**5.00**

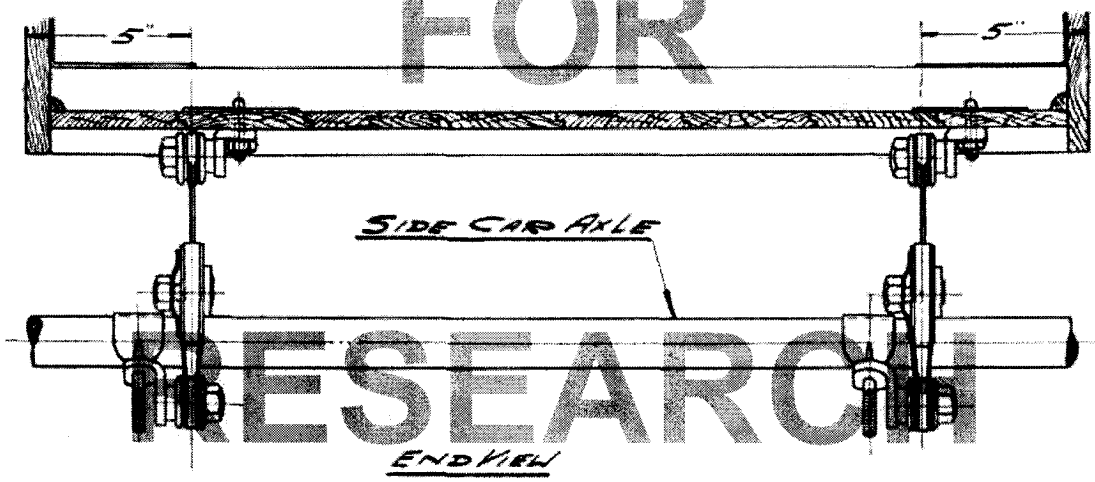


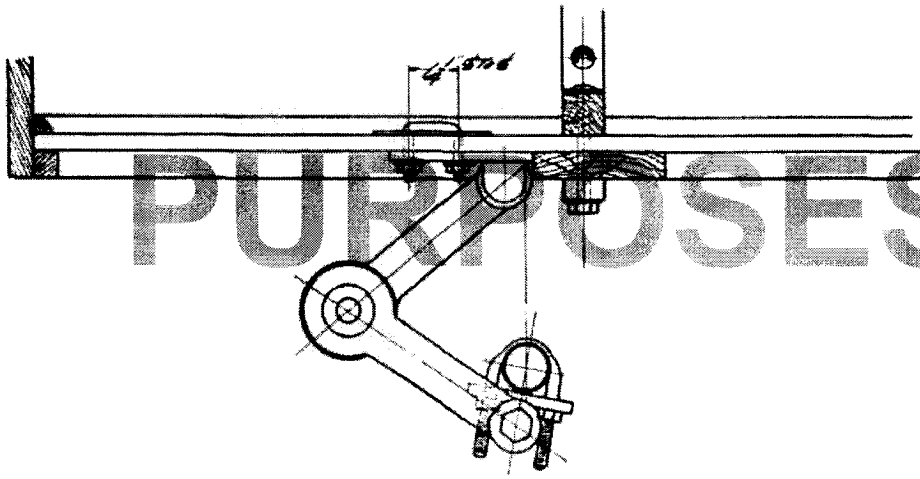
FOR RESEARCH PURPOSES ONLY

HARTFORD SHOCK ABSORBERS FOR SIDECARS

We recommend that two Hartford shock absorbers be fitted to all vans that are used in heavy duty service. The sketch below shows simplicity of attaching. Special washers will be furnished with every pair of shock absorbers for attachment to vans.

FX-603Z—Per pair, **$10.00**





FOR RESEARCH PURPOSES ONLY

HARTFORD SHOCK ABSORBER PARTS

Large U bolt with nuts	$ .50
Small U bolt with nuts	.25
Upper plate	.50
Lower plate	.50
Slotted nuts (3)	.20
Wood washers	.05
Steel washers	.05
Spider washer	.30
Double arm	1.50
Single arm	1.50

ICY-HOT VACUUM BOTTLES

Have the unique faculty of keeping hot things hot twenty-four hours or cold things cold three days. Icy-Hot supplies hot or cold beverages when preparation is inconvenient or impossible. To the motorist, yachtsman and all lovers of the great outdoors this article brings all the joys of a delightful dinner in the open. To the motorcyclist who delights in exploring the out of the way places the combination Icy-Hot bottle and lunch kit will have a very strong appeal.

FX-522 FX-542 FX-541 FX-543 FX-544

FOR RESEARCH PURPOSES ONLY

"ATLAS" DEMOUNTABLE

Light weight corrugated separable nickel plated case. A very attractive and popular model.

FX-522—Pint size ..... **$3.25** **FX-562**—Quart size **$4.75**

STEEL NICKEL FINISHED ICY-HOT

An attractive new model in nickel plated steel. Unscrews at shoulder.

FX-542—Pint size only **$3.00**

SMOOTH NICKELED ICY-HOT

Nickel plated case and drinking cup having a beautiful jewelry finish. Demountable at shoulder.

FX-540N—Pint size ..... **$3.50** **FX-580N**—Quart size $5.25

IMITATION LEATHER COVERED ICY-HOT

Case enameled in an exceptionally good imitation leather in plain black. Shoulder and drinking cup nickel plated. Demountable at bottom.

FX-541—Pint size ..... **$2.50** **FX-581**—Quart size $3.75

GREEN ENAMELED ICY-HOT

A reasonable priced bottle finished in green enanel with the white decoration. Shoulder and drinking cup nickel plated. Demountable at bottom.

FX-543—Pint size ..... **$2.25** **FX-583**—Quart size $3.50

ICY-HOT TOURIST

This is the finest of the Icy-Hot models made. The case and cup is highly polished in the finest nickel plated finish. The drinking cup differs from the others as this is provided with handles. Demountable at base by means of special spring pins.

FX-546—One-half pint size $3.25
FX-544—Pint size ..... **$3.75** **FX-588**—Quart size 5.50

ICY-HOT FILLERS FOR REPAIRS

FX-547—One-half pint size $1.50
FX-525—Pint size ..... **$1.75** **FX-565**—Quart size 2.75

ICY-HOT FOOD JAR

For solid foods, ice cream or liquids. Does all a bottle does and more. Keeps ice cream frozen without ice, or meat, vegetables and other solid food hot without fire twenty-four hours. Makes it practical to carry a complete dinner on an outing. Soup, cold drinks and after-dinner coffee in the bottles, meat and vegetables in one jar and ices in another. Nickel Plated case with drinking cup.

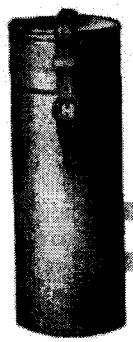
FX-524—Pint size	$ 4.00
FX-574—Quart size	5.75
FX-524A—Pint filler for repairs	2.00
FX-574A—Quart filler for repairs	3.00

ICY-HOT POPULAR PRICE LUNCH KIT

For the motorcyclist whose work is too far away to go home to meals. Metal case handsomely enameled in black with leather handle. Plated trimmings and pint Icy-Hot bottle. Bottle is held in the upper compartment and the lunch in the lower.

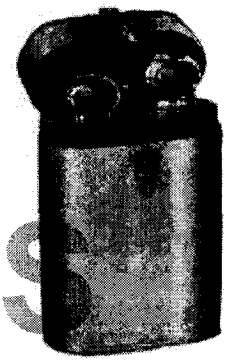
FX-538, $3.75

FOR RESEARCH PURPOSES ONLY



LEATHER VACUUM BOTTLE CARRYING CASES AND STRAPS

For the tourist who takes rough-cross-country trips a carrying case is almost necessary to carry the vacuum bottle in. It not only keeps the bottle looking bright and clean but protects it from breakage. Made in various kinds of leather and finishes, in both the single and double sizes.



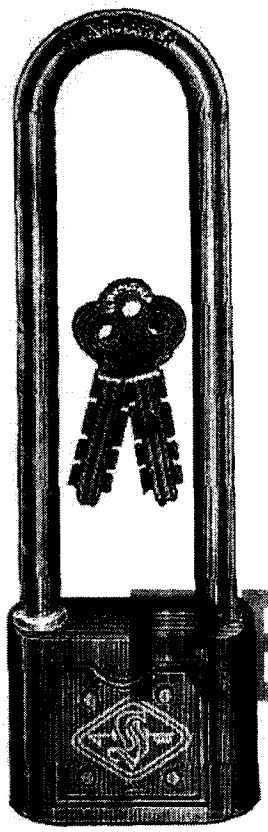
VACUUM BOTTLE CASES

FX-511—Black leather Walrus impression flanged top case, pint	$ 4.00
FX511Q—Black leather Walrus impression flanged top case, quart	5.00
FX-516—Brown leather pebble grain flanged top, pint	4.00
FX-516Q—Brown leather pebble grain flanged top, quart	5.00
FX-550—Black smooth cowhide case, flanged top, single pints	6.00
FX-550Q—Black smooth cowhide case, flanged top, single quarts	7.00
FX-552—Brown smooth cowhide case, flanged top, single pints	6.00
FX-552Q—Brown smooth cowhide case, flanged top, single quarts	7.00
FX-560—Black smoth heavy cowhide case, straight top, double pints	7.00
FX-560Q—Black smooth heavy cowhide case, straight top, double quarts	10.00
FX-563—Russet heavy smooth cowhide, straight top, double pints	7.00
FX-563Q—Russet heavy smooth cowhide, straight top, double quarts	10.00

For those riders who prefer to carry the cases slung over their shoulders we have had made the carrying straps of especially selected A No. 1 strap leather.

FX-592—Brown, pint size	$1.50
FX-590—Brown, quart size	1.75
FX-593—Black, pint size	1.50
FX-591—Black, quart size	1.75

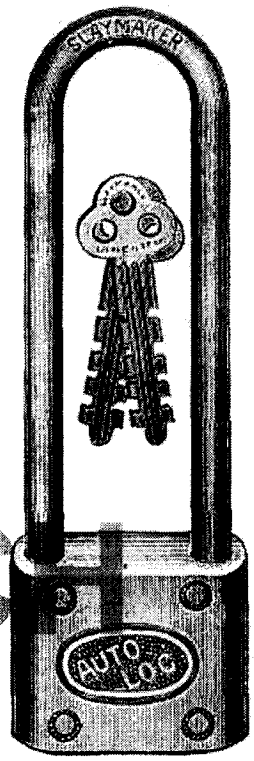
ADJUSTABLE MOTORCYCLE PADLOCK



The shackle is hardened steel, nickel plated, 6¾ inches long and 1⅛ inch wide (inside measurements.) The adjustable feature allows the use of this lock on all makes of machines. It is ratcheted to permit adjustment to length of 5⅝ inches. Self-locking and is the only lock of this type that is made in a large number of key changes. Case is cast brass 2 inches across.

FX-344, $1.00

Packed one in a carton with two corrugated steel keys.

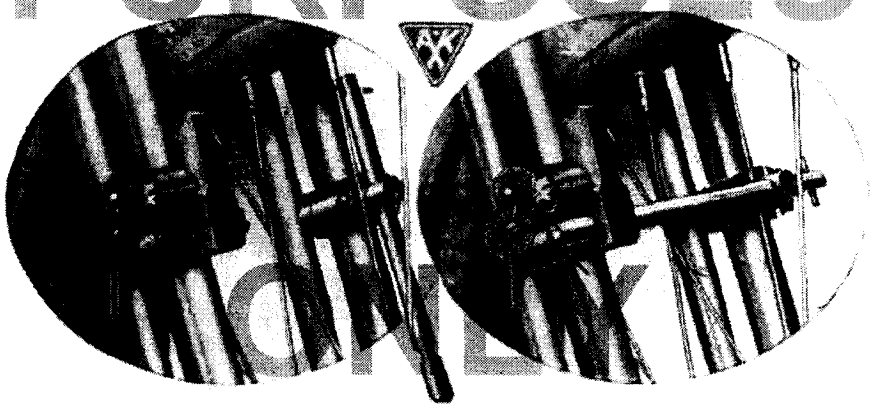


MOTORCYCLE AND BICYCLE PADLOCK

The shackle is 7 inches long by 1 3-16 inches wide (inside measurements.) Hardened steel, nickel plated, with springs to allow quarter turn when unlocked. Shackle stop of brass steel. Case is heavy pressed steel, black enameled 2 inches wide. Two nickel corrugated steel keys with each lock.

FX-345 **FX-345, $ .60** **FX-344**

A-K MOTORCYCLE LOCK

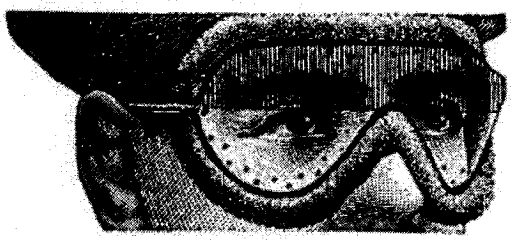


This is the only lock that is made exclusively for motorcycles. The lock mechanism which is used is the best that can be obtained. Attaches to the fork of the motorcycle by four screws. When once attached the lock becomes part of the machine. The key is all that you carry with you, and that is only used when unlocking. To lock the motorcycle you merely slide lock rod through the spokes into the lock mechanism on the opposite side. The lock rod when not in use secured in a support provided at the lower end not illustrated in the above cut.

DX-345—Each, **$4.00**

FOR RESEARCH PURPOSES ONLY

DIMMER GOGGLES



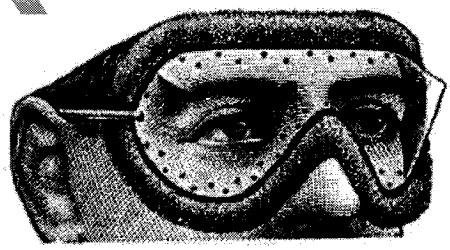
Made of Pyralin well ventilated, fits the face closely without binding. No obstruction in center. We carry it in two combinations. Amber with the green dimmer strip and the white with the green dimmer strip.

DX-245—Plain binding, per pair..... **$ .50**
DX-246—Chenille binding, per pair..... **1.00**

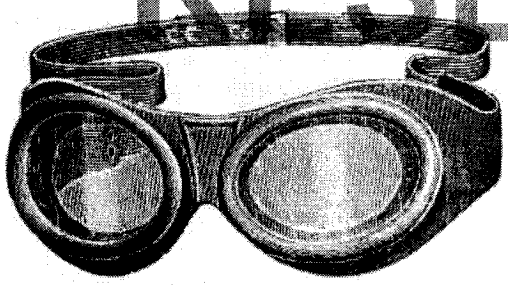
WIDE VISION GOGGLE

This is made of Pyralin along the same lines as the dimmer goggle except without the dimmer strip. Carried in amber and in white.

DX-248—Plain binding, per pair..... **$ .25**
DX-249—Chenille binding, per pair..... **.75**



ALL RUBBER GOGGLE



The mask of these goggles is of pure, soft red rubber conforming to the shape of the face. Afford protection from the wind and dust. Fitted with curved white lenses.

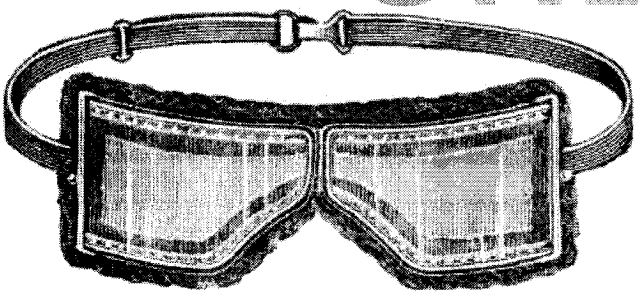
DX-251—Per pair, **$1.00**

EYE REST GOGGLES

Made with amber colored celluloid lenses and zylonile (imitation tortoise shell) frames and adjustable ear pieces. Can be worn over regular eye glasses. Placard is furnished with each dozen.

FX-251C—Per pair, **$ .25**

CHICAGO GOGGLES



Especially designed with hinge adjustment fitting the contour of the face perfectly. Frames made of aluminum bound with chenille. Lenses are held in place by patented lens retainers which permits easy removal and replacement. Packed one pair in a box.

DX-252—One color, per pair, **$1.25**
DX-253—With dimmer, per pair..... **1.25**

FOR RESEARCH PURPOSES ONLY

ROOSEVELT GOGGLES

The collapsible eye cups of this goggle are constructed to set low on the face with drop eye lenses that are removable. Fitted with extra large curved lenses. A thoroughly practical goggle.

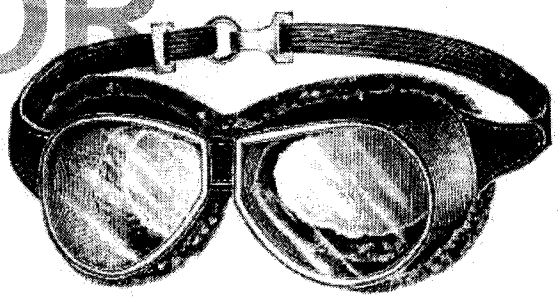
FX-252—Per pair.....$1.50
FX-252A—Extra lenses for above, per pair, .75

JUMBO GOGGLE

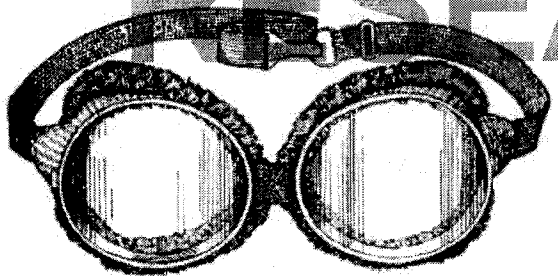
A desirable folding goggle giving wide view in all directions. May be worn over spectacles or eye glasses. Fits snugly to the face and affords protection to wind and dust. Extra large curved, removable lenses. Eye cups are collapsible, finished with chenille binding.

FX-253—Per pair.....$1.75

FX-253A—Extra lenses for above, per pair..... .75



JUMBOETTE GOGGLE

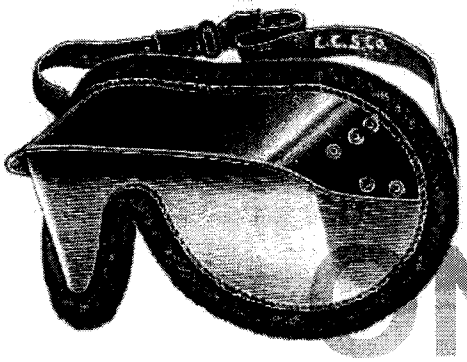


A very comfortable goggle giving ample protection to the eyes. May be worn over spectacles or eye glasses. Fitted with extra large oval lenses of curved glass. Collapsible eye cups bound with chenille.

GX-253—Per pair.....$1.35
GX-253A—Extra lenses for above, .50

THE CESCO GOGGLE ASSORTMENT

MACY GOGGLE



The Macy is fitted with a combination dimmer and rain shield which protects the eyes from the dazzling rays of the sun and at the same time prevents the goggle from becoming blurred in moist atmosphere. These shields are made of extra heavy stock to prevent warping from the extreme atmospheric pressure due to traveling at a high rate of speed.

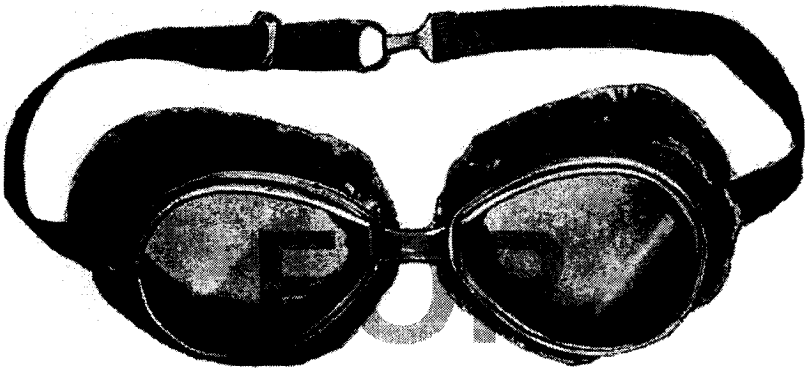
DX-256—Per pair, $1.50

An ornament to any counter and has the advantage of carrying its own stock. Holds four dozen of the best sellers which meet all requirements for outdoor use.

GX-255, $25.00

FOR RESEARCH PURPOSES ONLY

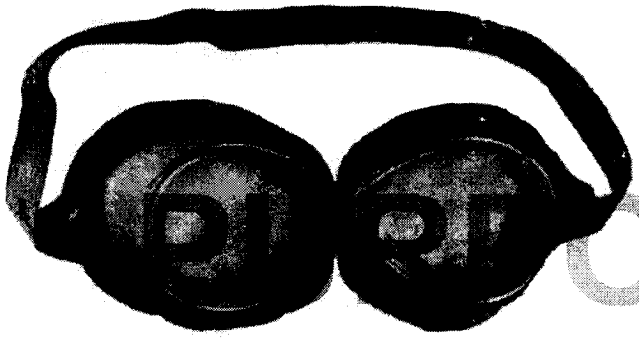
REGULATION ARMY RESISTAL GOGGLE



There is no substitute for Resistal non-shatterable lenses. The protection of Resistal lenses in your goggles inspires confidence and allows you to forget your eyes. Adopted as Army and Navy standard.

GX-247—Per pair, **$10.00**

TWO NUMBERS OF RESISTAL GOGGLES OF INTEREST TO MOTORCYCLISTS



No. 5—The same frame and lens as used in the original Army Standard Resistal. The lens is slightly smaller, however, as it is ground down below the regulation size. Otherwise strictly up to Standard. Just the goggle for the motorcyclist that wants positive eye protection.

GX-248, **$5.00**

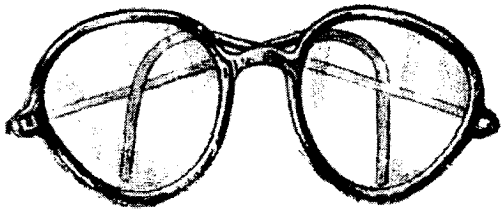
No. 6—The frame is made of light weight khaki, the edging of velvet, the elastics are mercerized cotton instead of silk. The lens is the regular Resistal, used in the Army Standard Aviator Resistal, but the corners are rounded off. These lenses are those of the **Regulation** style which were chipped at the straight edge or corners, and in order to utilize them, they are ground round, making this model of Resistal a slightly different shape. **Otherwise strictly up to Standard.**

GX-249, **$6.00**

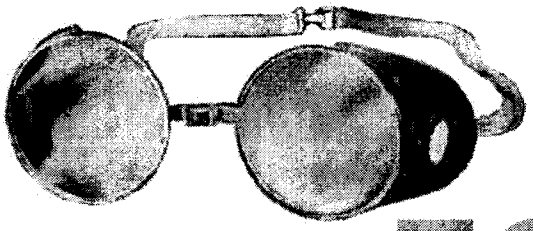
DROP EYE ZYNOLITE SPECTACLES

These spectacles are an excellent imitation of the high priced shell goods being very well finished throughout. There is no polish or varnish used, the lustre is natural and lasting.

FX-258A—Per pair, $1.50



THE VENTIFLEX GOGGLE



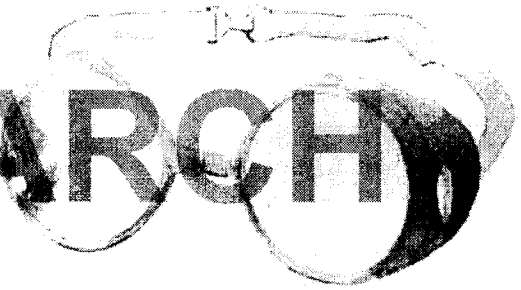
Cool and comfortable. The goggle with perfect ventilation. The shields are of selected calfskin with wire screen vents. The bridge is formed of a flexible, adjustable leather thong, which is neat, comfortable, and practical. Can be adjusted to any size. The rims are made of highly polished nickel-plated German silver. The elastic head band can be adjusted to any size. Fitted with Euphos color lenses.

GX-245—Per pair, **$1.25**

THE FLEXISHIELD GOGGLE

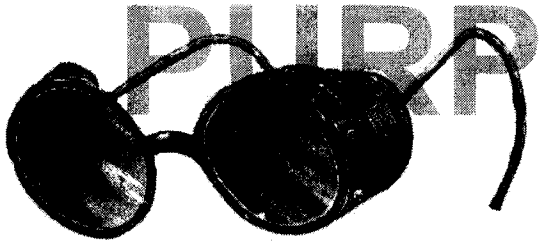
This is a great deal like the Ventiflex goggle except that the rims are made of Zylo shell, which is preferred by many to the German silver. This goggle has all the advantages a wearer can want. Snug fit and comfort because it can be adjusted to any size. Fitted with the new Euphos color lenses. Each in a leatherette vest pocket case.

GX-246, $1.75



Counter display 6¾ inches wide by 7 inches high by 5½ inches deep furnished free with each dozen of GX-245 or GX-246 goggles.

FLEXISHIELD WITH SOLID BRIDGE



This style has every feature of the Flexishield but for the convenience of the average wearer are made with regular bridges A part of the frame itself. The adjustable feature of the shield and temple allows a comfortable fit for the average wearer.

FX-258—One color, per pair **$1.00**
FX-259—Two color, per pair **1.50**

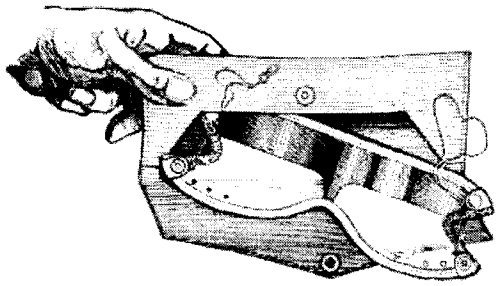
FOLDING GOGGLE

This is the latest addition to the Dimmer Goggle line. It fills a long felt want for a campactly Folding Flexible Goggle.

The Folding Dimmer is full convex formed when open and flat and compact when folded.

Made of transparent flexible Pyralin in Clear or Amber colors with or without Green Dimmer.

Sold only with Strong Compact Pocket Carrying Case as shown.

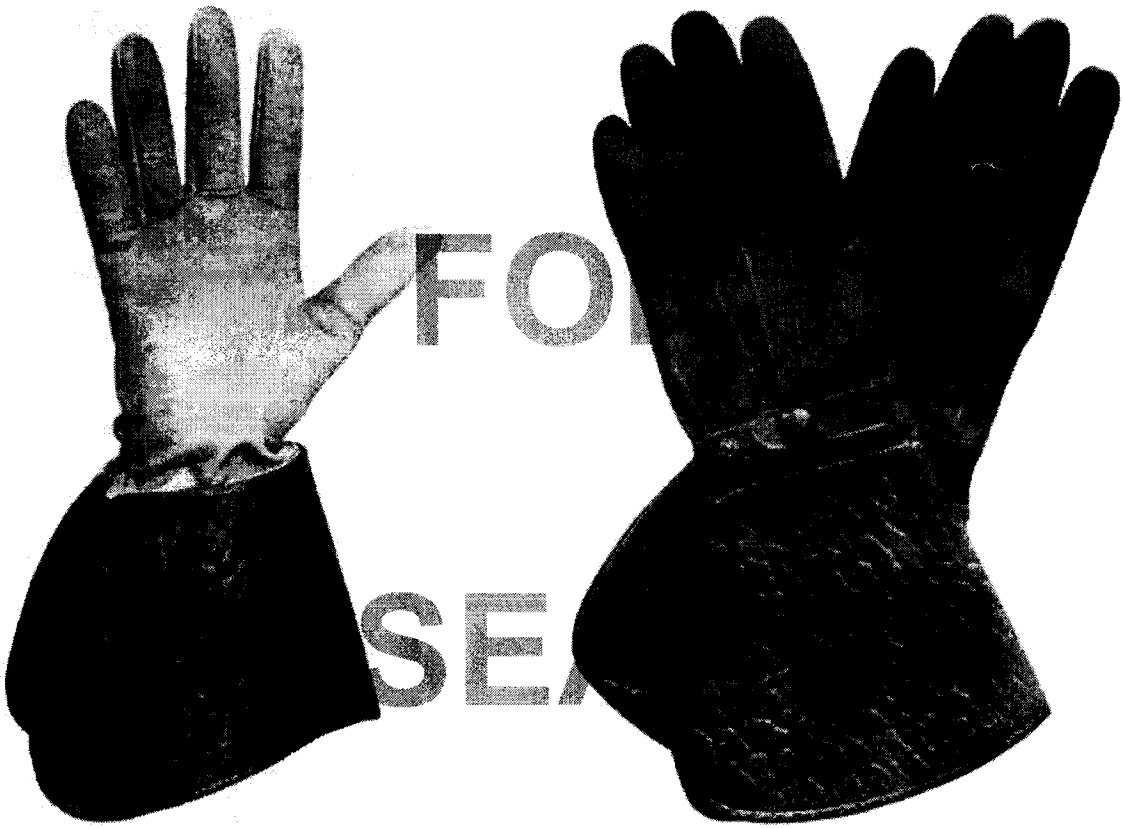


DX-255—Clear or Amber with Green Dimmer, each ..... $ .85

DX-254—Clear or Amber without Dimmer, each ..... .65

FOR RESEARCH PURPOSES ONLY

HARLEY-DAVIDSON MOTORCYCLE GAUNTLET



DX-283 GX-283

Harley-Davidson motorcycle gauntlets represent the highest attainment in design, workmanship and material. Only the best horsehide of soft but tough tannage is used. Special attention along these lines enables us to guarantee your customer unsurpassable wearing qualities. The styles listed below have been selected for spring, summer and fall riding.

GX-283—Black horsehide full leather gauntlet, Walrus impression cuff **$5.00**
FX-283—Pearl gray full leather gauntley, Walrus impression cuff **4.50**
DX-283—Smoked horsehide full leather gauntlet, Walrus impression cuff **4.50**

HERE'S A FEW OF HARLEY-DAVIDSON SPECIAL FEATURES:

Special reinforced thumb to stand the wear of the handlebar.
A wrist fit strap on the back of wrist.
Extra length in glove giving user freedom of hand movement.
The cuff is a Walrus impression light weight cowhide, soft and pliable, and is sewed on to the glove giving a turtle neck effect easy and soft on the wrist.

KHAKI COLOR HORSEHIDE GAUNTLET

In addition to the above mentioned numbers, we have recently perfected a two-piece gauntlet glove of khaki color horsehide. The palm where most of the wear comes, is a full grain, soft, but tough, tanned horsehide. The back and cuff are made of a heavy horsehide split down to a uniform thickness. The wrist strap button is embossed with the Harley-Davidson trade-mark. Cuffs are bound in brown making a very striking contrast. An exceptional glove for hard service.

GX-282—Per pair, $3.00

FOR

IMPROVED HANDLEBAR MUFFS

Nothing the motorcyclist can buy will afford so much genuine comfort for the money invested as handlebar muffs. This latest Harley-Davidson muff is the finest thing in this line which has ever been sold. The shell is made of an extra heavy weight of scientific leather, padded with very heavy felt and lined with a cotton twill. To avoid any possiblity of the felt loosening up, the muffs are cross stitched, or quilted. Attachment to the handlebar is made by means of a small leather strap. Furnished in black only.

DX-287—Per pair, $1.75

RESEARCH

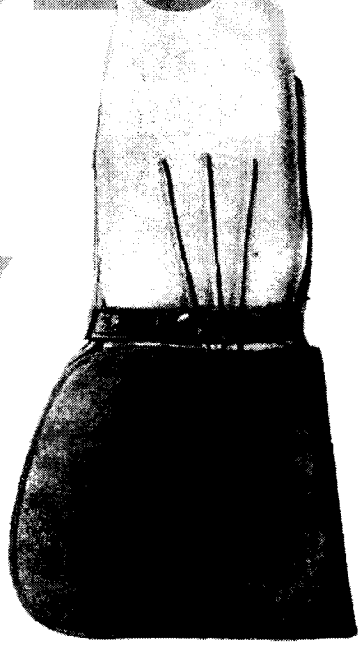
HARLEY-DAVIDSON ONE FINGER LINED MITT

The one finger mitt has been popular for winter driving for some time being a great deal warmer than the lined glove. This number is made in an extra long pattern of pearl gray horsehide with a large cuff that will accommodate a heavy mackinaw or overcoat very nicely. Lined with a heavy wool fleece. All mitts are fitted with wrist strap bearing our trade-mark button.

GX-285—Per Pair, $5.00

PURPOSES

ONLY



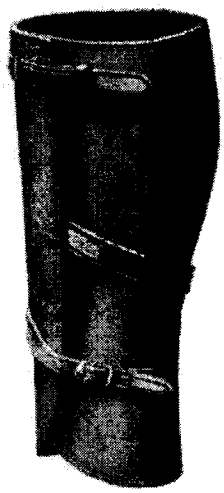
HARLEY-DAVIDSON LINED FULL MITT

For those riders who are out in the extremely cold weather and find the one finger mitt is not quite warm enough the full mitt lined with heavy wool fleece is the thing. Made in an extra long pattern of smoked horsehide with large cuff. All mitts are fitted with wrist strap bearing our trade-mark button.

GX-286—Per Pair, $5.00

PUTTEES

Single Strap Style



This puttee is made of an A No. 1 8 ounce cowhide split, lined around the top and stitched down the front and around the bottom giving a finished appearance. The straps are cut from the best leather. Buckles and staples are of the latest improved type. A good heavy serviceable puttee that will give you satisfaction.

DX-262—Orange, per pair, sizes 14 to 17 ..... **$4.50**
DX-263—Black, per pair, sizes 14 to 18 ..... **4.50**

Made from a 6 ounce smooth finish mahogany color leather. Bound around the top and lined down front and around the bottom. Straps sewed and riveted. A very good puttee at a price that is right.

GX-262—Per pair, sizes 14 to 17 ..... **$5.00**

This puttee is made of an A No. 1, 8 ounce grain cowhide lined at the top and stitched down the front and around the bottom, the same as DX-262 and DX-263. An excellent puttee that will give good service and retain its shape and finish.

FX-266—Dark brown, per pair, sizes 14 to 17 ..... **$7.00**
FX-267—Black, per pair, sizes 14 to 18 ..... **6.50**

This puttee is made of a 6 ounce strap leather lined around the top and down the front and around the bottom. This makes a very solid and substantial puttee. The straps are perfect and are sewed by a special stitch. Fittings are Gun Metal finish of the latest improved type. A puttee that will stand hard service and still retain its shape and high polish.

DX-266—Dark brown, per pair, sizes 14 to 17 ..... **$8.00**
DX-267—Black, per pair, sizes 14 to 18 ..... **8.00**

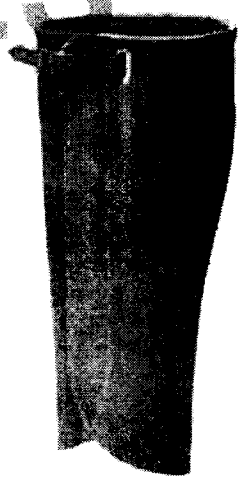
This puttee is made of a special 6½ ounce brown strap leather somewhat lighter in color than the FX-266. Otherwise the same in every detail. The leather, of course, will take a higher polish and will especially appeal to riders who like a good trim, medium weight puttee.

GX-266—per pair, sizes 14 to 17 ..... **$7.50**

Spring Front Style

This puttee is made from a 6 ounce smooth finish mahogany color leather bound at top and faced down the front. Fitted with the single prong front spring. This is the most reasonable puttee of this style that we carry.

GX-268—Per pair, sizes 14 to 17 ..... **$5.00**



This puttee is made of the same quality of leather as FX-266 being lined at the top and reinforced down the front. The front spring is of the patented double prong type which allows adjustment of practically ¾ inch either way. Sizes 14 to 17.

FX-270—Dark brown only, per pair **$7.50**

This puttee is made of the best 6 ounce strap leather being bound at the top with an inverted roll binding. Front springs are the patented double prong type, same as used in the FX-270. An excellent puttee for the rider who wants something out of the ordinary. Sizes 14 to 17.

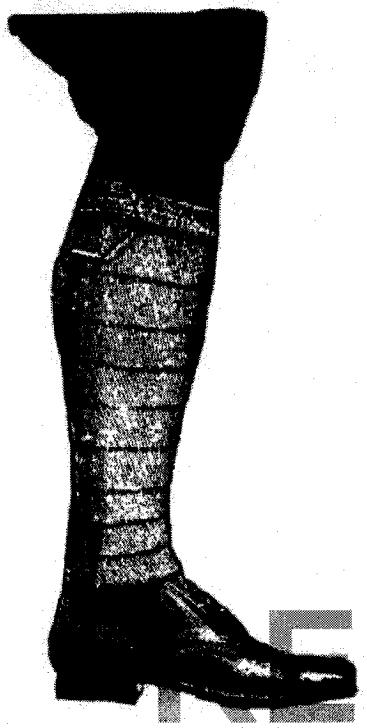
DX-270—Brown, per pair **$9.00**
DX-270B—Black, per pair **9.00**

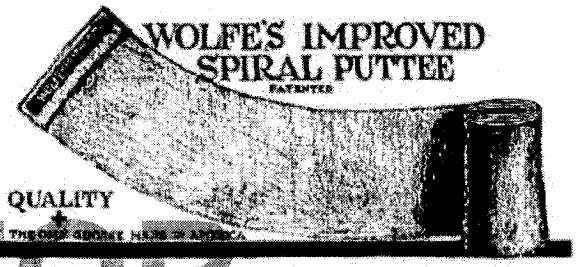
This is the very finest puttee we have ever offered for sale and is a new number to our line. Made of a special 8 ounce mahogany tanned strap leather that looks like the Cordivan that is so popular among Army officers. This puttee will take a very high polish and the weight and quality is such that it will retain its shape even though subject to extremely hard wear. The front spring is the same style as furnished on DX-270. Sizes 14 to 17.

GX-270—Per pair **10.00**

FOR RESEARCH PURPOSES ONLY

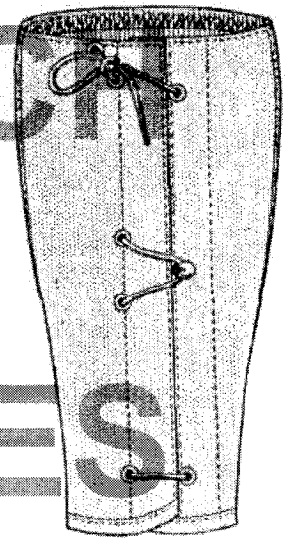
WOLFE'S SPIRAL PUTTEES





This is the newly improved Wolfe spiral properly shaped so that a perfect fit is assured. Made of a hard finish wool being a trifle wider and made much firmer than most of the puttees of this type offered.

FX-271A—Army, olive drab, per pair..... **$5.00**
FX-271B—Marine, forestry green, per pair, **5.00**



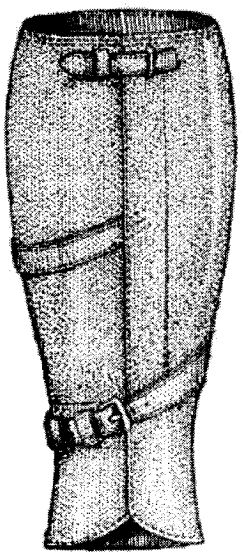
REGULATION ARMY PUTTEE

Made from a regulation water-proof khaki color duck of four pieces shaped to fit, lacing in front making it easy to put on and take off.

GX-275—Per pair..... $1.50
Sizes 0 to 4 (0-13) (1-14) (2-15) (3-16) (4-17)

FOR RESEARCH PURPOSES ONLY

MOLDED CANVAS PUTTEE



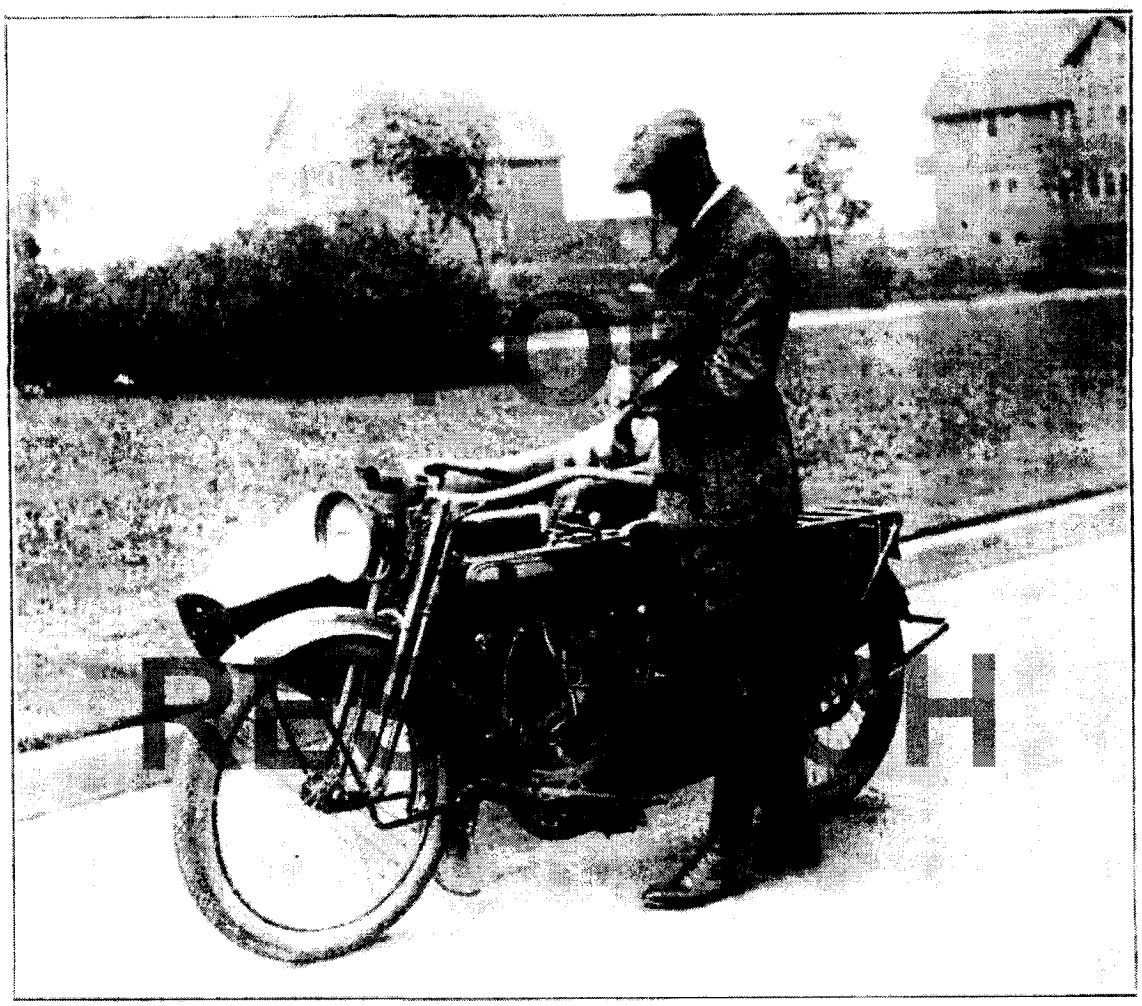
A canvas puttee that is molded like those made of leather. Heavy weight duck reinforced with a special stiffening material. Bound with a heavy tape which leaves no raw edges. Straps made of heavy weight webbing. Fitted with quick release patented buckles. Made in the single strap style only.

GX-275B—Per pair, sizes 14 to 17..... **$2.50**

LEATHER BOUND CANVAS PUTTEE

A four piece canvas puttee not molded but shaped to fit. Made of a heavy weight khaki color duck bound with leather. The straps are made of heavy weight webbing. Fitted with quick release patented buckles.

GX-275C—Per pair, sizes 14 to 17..... **$1.75**



RESEARCH PURPOSES ONLY

MOTORCYCLE SPORT SUIT

A neat, striking all-round suit for the motorcyclist who wants something about the average. Distinctive Scotch pattern. Will not show the effects of road travel. Can be easily cleaned and pressed and will hold its shape. Made up in the latest style by expert tailors.

Coat has four patch pockets. The two upper pockets are plain and the lower two are the bellows type. The plaited back, with loose belt, gives the coat the popular form-fitting appearance. Lined with high grade cotton serge. Breeches are full peg top, tapering to a snug fit at the knee. Buttoned at side of calf, which is more comfortable than the front-laced type. Ample pocket space has been provided and the belt loops are strongly made with tunnel type loops over hips. Sizes 37, 38, 39, 40, 42.

Price, **$28.00**

MOTORCYCLE SUIT

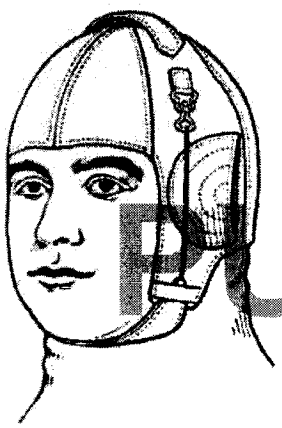
Made of light weight buckskin cloth in a dark motor drab. Designed especially to meet the requirements of motorcycle riders.

The coat semi-military style buttons up close under the chin. Form fitted, which makes an extremely natty riding costume. Half Norfolk back, yolk front with four inverted plait pockets with button flaps. Finished throughout in the very best manner. Sizes, 36, 38, 40, 42 and 44.

Pants:—Full peg top riding style, double seat, laced below the knee affording a snug fit around the calf of the leg permitting the puttee to fit smooth and comfortable. Two front top pockets, watch pocket, two hip pockets with button strap on left one. Tunnel loops for belt. Sizes 30, 31, 32, 33, 34, 36 and 38.

FX-321—Buckskin motor drab coats . . . **$5.50**
FX-322—Buckskin motor drab pants . . . **4.50**

FOR RESEARCH PURPOSES ONLY



TOURIST HOOD

This hood is very desirable for cross country driving and fast traveling. It conforms to the head coming well down in the back of the neck protecting the hair from the dust and dirt of the road. Made of gray all wool material lined with cambric. Sizes $6\frac{3}{4}$ to $7\frac{1}{2}$.

FX-320, $2.50

COMBINATION ATHLETIC JERSEY AND SUPPORTER

The most desirable and practical supporter ever introduced for athletic purposes. Something that every motorcycle rider should wear. Perfect supporter adjustment giving freedom of action and perfect comfort. No binding straps or fabric sides over the hips or thighs. A pure white cotton patented supporter and jersey all in one. Sizes 32 to 44.

FX-437, $1.25

FOR

GRAY FLANNEL SPORT SHIRT

RESEARCH

Here is a new idea in a flannel shirt. The illustration shows the practicability of this new combination collar. It can be worn up around the throat when riding or when the weather is brisk, and it can be turned down when indoors or when the weather is warm. The two extra large bellows type pockets are particularly noticeable. The cuffs are well reinforced and are provided with two buttons instead of the customary one. The back of the shirt has two norfolk pleats giving the shirt the appearance of a coat. A small Harley-Davidson emblem is sewed on just above the left pocket. A very well made shirt of medium weight flannel suitable for all seasons of the year.

FX-435—Attractive medium gray, Sizes 14½ to 17, **$4.00**

PURPOSES

OLIVE DRAB FLANNEL SPORT SHIRT

This shirt has the combination collar the same as FX-435, but we have eliminated the norfolk pleats and the bellows type pockets as the Government has requested that these features be discontinued since the gray shirts were made up. This was done in order to conserve cloth so we are using a large ordinary patch pocket instead of the bellows type. The cuffs are reinforced and supplied with two buttons. The Harley-Davidson emblem is sewed on just above the left pocket and the workmanship is the same as on FX-435. The material, however, is somewhat better, and the color is the latest shade of olive drab.

HX-436—Sizes 14 to 18, **$4.60**

ONLY

EXTRA HEAVY OLIVE DRAB FLANNEL SPORT SHIRT

This shirt was made at the same time as FX-435, so it is made up in the same way with bellows pockets and norfolk pleats. The Harley-Davidson emblem, of course, is put on in the same way as on the other two shirts. The material used is a heavy weight olive drab flannel.

FX-436H—Sizes 14½ to 17, **$5.00**

HARLEY-DAVIDSON MOLESKIN VEST

It can be truthfully said that this is the motorcycle sportsman's favorite vest. It is a very desirable garment for anyone who is out in the open air, particularly so for one who wants protection from the extremely cold winds of the most northern sections of the country. This vest is equally suitable for the golfer, the trap shooter or the hunter, in fact it seems to have almost as many uses as there are outdoor sports. The body is made of fine moleskin cloth. The sleeves and lining are made from a new cloth called "plush moleskin." The collar and cuffs are specially knit of a very good grade of yarn, to conform to our own specifications. Four pockets are provided, the two lower ones have flaps which button (not shown in illustration.) Riders of experience tell us that this vest is vastly superior to a leather vest, not only because it is softer and more pliable, but because it will actually outwear a leather vest. Sizes 34 to 42.

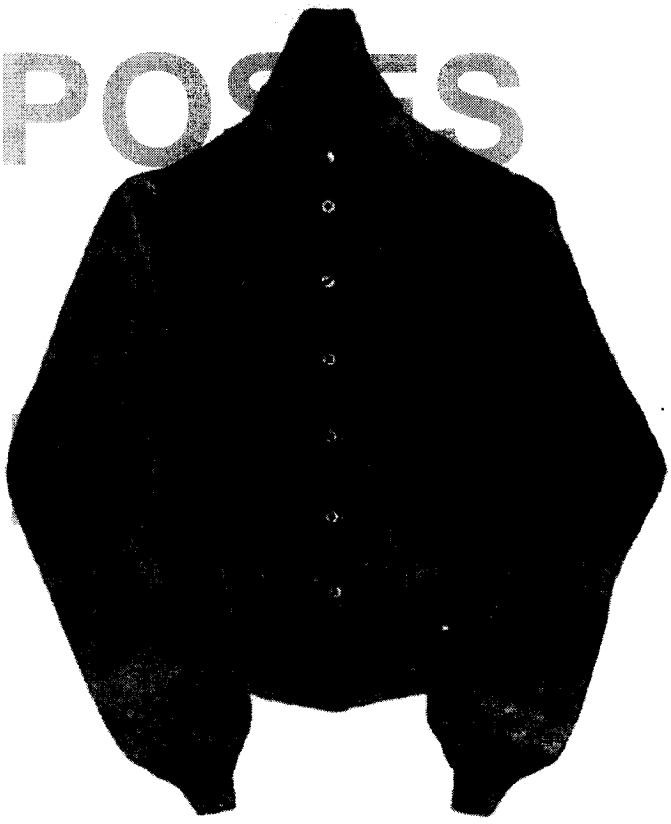
FX-316, $7.50

FOR SEARCH PURPOSES ONLY

PLUSH BUCKSKIN VEST

A fine soft and pliable garment made from tan plush buckskin cloth of wind-proof texture. Comes down well over the small of the back fitting snugly at this point. Vest is finished at neck with grade Bully Wooly knitted collar, and the sleeves are finished with Bully Wooly knitted wristlets. Three patch pockets. Sizes, 34 to 44.

GX-319, $5.00



HEATHER SWEATER COAT

This is a fine all wool sweater coat in the popular rich green heather shade. The collar is an unusually large full roll storm collar. The pockets are specially set in a substantial manner. Sweater throughout is knit in the Shaker stitch. In every sense of the word this seweater is made for real service.

FX-305—Sizes 36 to 44, **$12.00**

FOR RESEARCH PURPOSES ONLY

HEATHER ROLL COLLAR SWEATER

This is the new popular roll collar sweater made of all wool in a rich green heather shade. It is slipped over the head like an ordinary sweater but the big shawl collar gives it the appearance of a sweater coat. This sweater is made in the popular Shaker stitch. Finished off at the wrist and bottom with the cuff stitch and finished throughout giving the full fashion effect.

HX-304—Sizes 36 to 44, **$10.00**

HARLEY-DAVIDSON SLEEVELESS SWEATER

Here is a brand new article of a very practical nature. Motorcycle riders will have to thank the present war for this, for it was originated to provide something very warm but which afforded more freedom of movement than a regular sweater, which very often gives one the feeling that he is "boundled up." This particular sweater is made up along the lines of of the standard adopted by the American Red Cross, in the regulation military olive drab color, of a pure wool worsted yarn. The popular Shaker stitch is used, but tightly woven, which insures great warmth. The arm holes are unusually large, so that the sweater does not bind anywhere, and it conforms to the shape of the body so well that it may be worn over a blouse or vest. This sweater is hand finished througout, in fact it is a first class article in every respect.

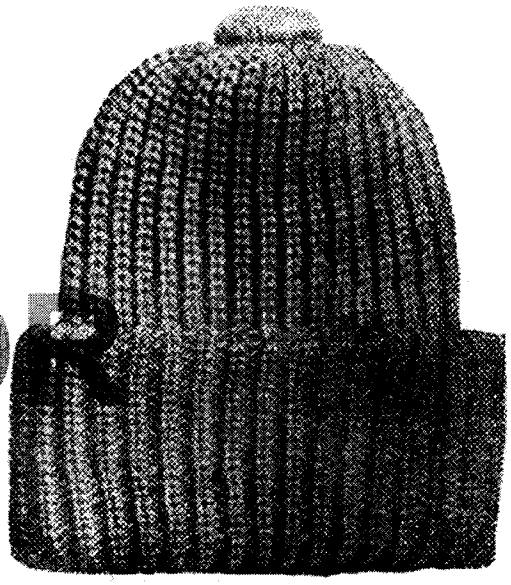
HX-297—Sizes 34 to 42, **$8.00**

FOR SEARCH PURPOSES ONLY

HEATHER CARDIGAN JACKET

This is an all wool full cardigan stitch Jacket in a rich blue heather shade. V neck without collar. Buttons down the front with the very best Ivory buttons. The bottom is finished in the well known Rack stitch. Wristlets tight fitting finished with the cuff stitch. Two patch pockets neatly finished.

HX-301—Sizes 36 to 44, **$7.50**



HEATHER JUMBO KNIT CAP

A high-grade motorcyclists' cap of pure worsted yarn knit with the well known "Jumbo" stitch. Two shades of yarn worked together brings out an attractive double tone or heather effect. This cap is finished by hand and runs in sizes.

DX-320, $ .75

HEATHER JUMBO STITCH SWEATER COAT

A big full fashion Jumbo stitch sweater coat with shawl collar and two knit-in reinforced lined pockets. Has reinforced welted wrists. A medium priced coat that will give the maximum amount of service. This is a very popular number. Made of a very good grade of heather wool yarn.

HX-303, $8.00

LATEST SHAKER STITCH CAP

Something new in a knit cap. The very popular Shaker stitch is used, making a firm, closely woven cap. The light gray top with the red band gives this cap a very snappy appearance.

FX-327, $1.00

FOR SEARCH PURPOSES ONLY

JERSEY JACKETS

A heavy-weight gray jersey jacket, made of the finest hard twisted worsted yarn obtainable. Full fashion sleeves, assuring a perfect fit. An ideal garment for those who wish a light jacket to wear under a coat. Sizes 36 to 48.

DX-300—Plain gray with trade-mark, **$5.00**

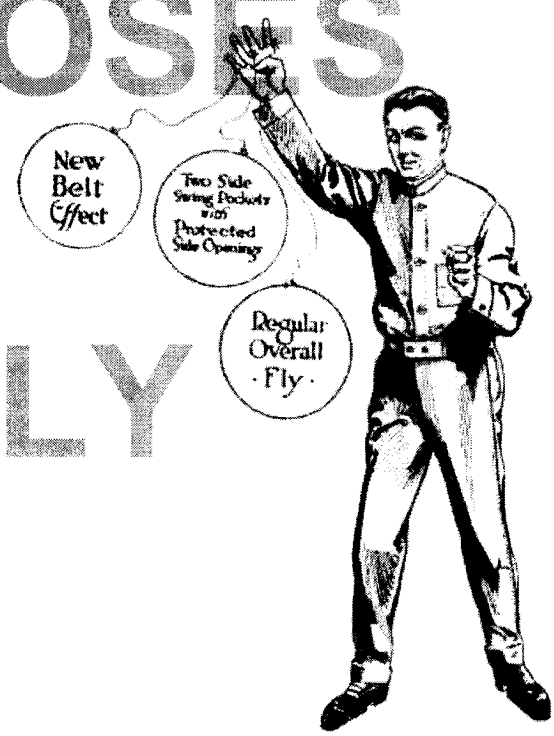
A heavy-weight olive drab jersey jacket, made of the finest hard twisted worsted yarn obtainable. Regular coat sleeves, wide enough at the bottom so that the cuff of a shirt is not crumpled when this jacket is worn. Two patch pockets which makes this jacket an ideal article for office or store use.

HX-300—Olive drab, **$6.50**

FOR RESEARCH PURPOSES ONLY

COVERALL SUIT

This motor suit is one of the most practical one-piece suits made. We do not offer it as a regular riding costume although a great many riders claim that it is one of the best outfits designed for cleanliness ever put on the market. The proper dress for repairmen. It is also an excellent garment for the dealer who goes into the shop occasionally to do some work and wants to protect his clothes It is easy to put on and easy to take off so you can work on your machine either on the road or at home without wasting any time. It is made of a heavy weight dust-proof khaki in the new olive drab shade. Carried in regular sizes from 34 to 44 and in extra sizes from 46 to 50.



DX-314—Regular sizes. . . .		$3.50
DX-314A—Extra sizes		4.00

"AEROPLANE" CAP

In this cap the motorcyclists' requirements have been better taken care of than in any other. It fits the head closely, eliminating any possibility of the wind getting under the edges of the cap. It can be pulled down around the throat in extremely cold weather. This cap is made of a good heavy grade of yarn and can be supplied in either brown, gray or tan combinations.

GX-329—One size, **$1.50**

SPECIAL "AEROPLANE" CAP

Same as GX-329 except that it is still heavier and is lined in the crown This cap is an exceptional article and must be seen to be appreciated. A splendidly made cap—one that will give most excellent service in the very coldest weather. Colors:—Brown, tan and a greenish combination.

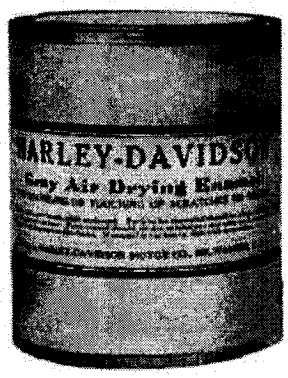
GX-330—One size, **$2.00**

"BI-PLANE" CAP

This is idneitcally the same style as the aeroplane cap but the yarn used is not quite as heavy. It is a cap for average winter wear. Colors:—navy blue and gray; brown and tan; light and dark gray.

FX-328—Small and Large, **$ .75**

HARLEY-DAVIDSON GRAY AIR DRYING ENAMEL



This enamel is used for enameling or touching up scratches or bruises on frames, tanks, mudguards, etc. It is exactly of same quality and body as that being used on our machines. Although we advertise it as air drying enamel it can also be used effectively where the baking process is preferred.

DX-350—	¼ Pint Can	$ .25
	½ Pint Can	.40
	1 Pint Can	.70
	1 Quart Can	1.25
	1 Gallon Can	4.50

FX-350—Olive drab enamel. Some quantities and prices as above.

DX-353—Dark gray sidecar chassis enamel. Same quantities and prices as above.

FX-353—Brewster green sidecar chassis enamel. Same quantities and prices and prices as above.

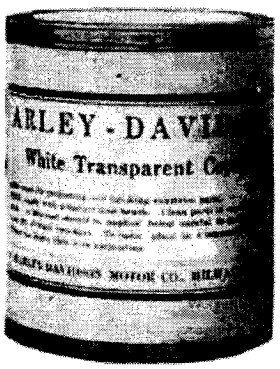
FOR RESEARCH PURPOSES ONLY

HARLEY-DAVIDSON STRIPING ENAMEL

This striping enamel is the same quality we use in striping machines in our own factory. Put up in small tubes ½ by 2½ inches and one-eighth pint cans.

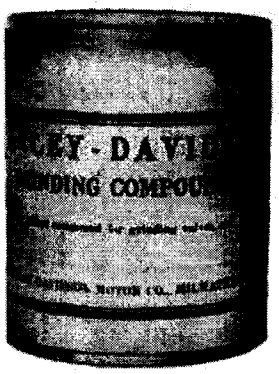
DX-351—Red, ⅛ pint can	$ .75
DX-351A—Red, tube	.25
GX-351—1918 Pullman Coach, ⅛ pint can	.30
GX-351A—1918 Pullman Coach tube	.15
DX-352—Dark Gray, ⅛ pint can	.30
DX-352A—Dark Gray, tube	.15
FX-352—Brewster green, ⅛ pint can	.30
FX-352A—Brewster green, tube	.15
GX-352—1918 Pea green, ⅛ pint can	.30
GX-352A—1918 Pea green, tube	.15
DX-354—Gold bronze, per package	.25
FX-354—Aluminum bronze, per package	.30

HARLEY-DAVIDSON WHITE TRANSPARENT COPAL



A high grade copal or white varnish for protecting and finishing re-enamel parts. This is exactly the same grade of coal we use in putting that high grade finish on new machines.

DX-355—	¼ Pint Can	$ .30
	½ Pint Can	.45
	1 Pint Can	.80
	1 Quart Czn	1.50
	1 Gallon Can	4.90



HARLEY-DAVIDSON GRINDING COMPOUND

A ready mixed compound for grinding valves. This compound is being used with best of results at our own factory. There is no danger of grooving valve or seat when this compound is used.

DX-360—	1/6 Pound Can	$ .20
	1/2 Pound Can	.50
	1 Pound Can	1.00

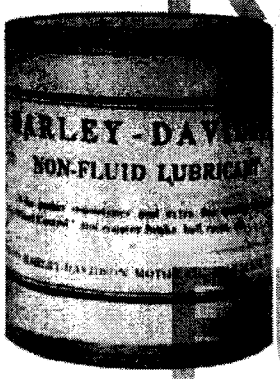
FOR

HARLEY-DAVIDSON CHAIN LUBRICANT

Lubrication for dirve chains is essential. There is only one efficient way of lubricating a chain and that is to place the chain in lubricant after lubricant has been reduced to liquid form. See directions on can.

DX-356—	1/2 Pound Can	$ .25
	1 Pound Can	.35
	2 Pound Can	.50
	5 Pound Can	1.00
	10 Pound Can	1.90

RESEARCH



HARLEY-DAVIDSON NON-FLUID LUBRICANT No. 3

For lubricating the two-speed, speedometer cables, grease cups and all parts needing a grease of this weight.

GX-357—	1 Pound Can	$ .25
	2 Pound Can	.40
	5 Pound Can	1.00
	10 Pound Can	1.75
	25 Pound Can	3.75

PURPOSES

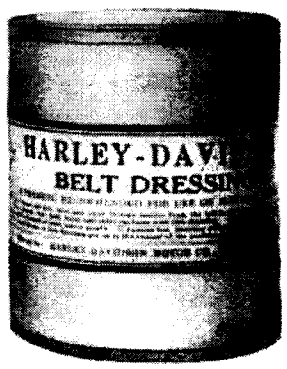
HARLEY-DAVIDSON NON-FLUID LUBRICANT No. 4

A heavy weight grease of extra fine quality for lubricating ball races in the clutch, step starter, coaster brake, upper and lower head cones, front, rear and sidecar hub cones, countershaft, pedals and both recoil and main springs.

DX-357—	1 Pound Can	$ .25
	2 Pound Can	.40
	5 Pound Can	1.00
	10 Pound Can	1.75
	25 Pound Can	3.75

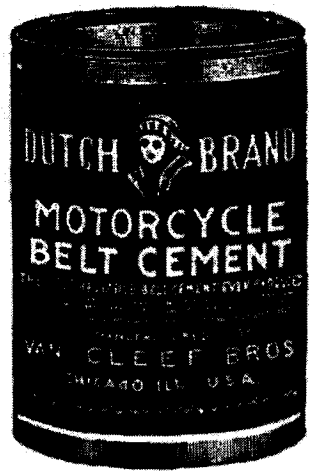
ONLY

HARLEY-DAVIDSON BELT DRESSING



This dressing is especially compounded according to our own formula and is recommendable for use on all motorcycle belts. It is made of a high quality medium light bodied oil and does not gum the belt like most inferior dressings or oil substitutes. If applied as per directions on can it will make the belt soft and pliable.

DX-361—	1/2 Pint can	$ .25
	1 Pint can	.45



FOR RESEARCH PURPOSES ONLY

DUTCH BRAND MOTORCYCLE BELT CEMENT

An absolutely water-proof belt cement suitable for splicing all kinds of motorcycle belts and can also be used for line shaft belts.

FX-368—2 ounce bottle, **$ .25**

DUTCH BRAND TIRE-BRITE

A splendid preparation for giving worn and dirty tires a good clean appearance and at the same time acting as a preservative to the rubber. Not a fad but a very useful preparation for those who take pride in the appearance of their machines.

FX-361—Per quart, **$1.00**

DUTCH BRAND TWO IN ONE TREAD FILLER

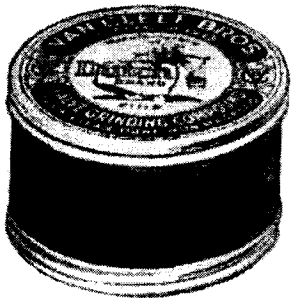
This is a semi-liquid rubber compound ideally designed for reapiring small cuts in casings and eliminating the necessity of vulcanizing, and at the same time preventing the cut from growing larger. It does not require the use of an extra cement of drier. After exposure to the air it dries very rapidly and produces a tough but resilient plug or patch that is equal in strength to the tire itself. Put up in 1 by 6 inch tubes with nozzle point.

FX-369—Packed one dozen in counter display box, per tube . . . . . **$ .25**

DUTCH BRAND GASKET SHELLAC

This is a solution of the finest orange shellac unmixed with rosins or foreign gums of any description. Always ready for use. Cements and makes leak-proof metal, leather, cork, paper, asbestos, canvas, fibre and all varities of gaskets used in motors of all kinds.

FX-359—2 ounce bottle, **$ .15**



DUTCH BRAND VALVE GRINDING COMPOUND

The best value on the market. A scientific mixture of abrasive and oil, free from magnetic properties or injurious ingredients of any kind. Cuts quickly. Furnished in coarse for roughing and fine for polishing. Put up in 7 ounce duplex round screw top boxes and ½ inch by 2½ inch collapsible tubes. Duplex boxes and tubes put up one dozen in attractive counter display boxes.

FX-360A—Duplex boxes, coarse and fine, each	$ .35
FX-360C—½ by 2½ inch tube, coarse,	.10
FX-360F—½ by 2½ inch tube, fine	.10

CHAIN—O—LENE

The new chain lubricant and preservative which is not graphite. Will not drip or throw. Insures smooth easy riding reduces friction and keeps your chain rolling in a film of oil.

FX-363—Motorcycle size, tube.. . . **$ .25**

FX-363A—Five pound cans, shop size. **2.00**

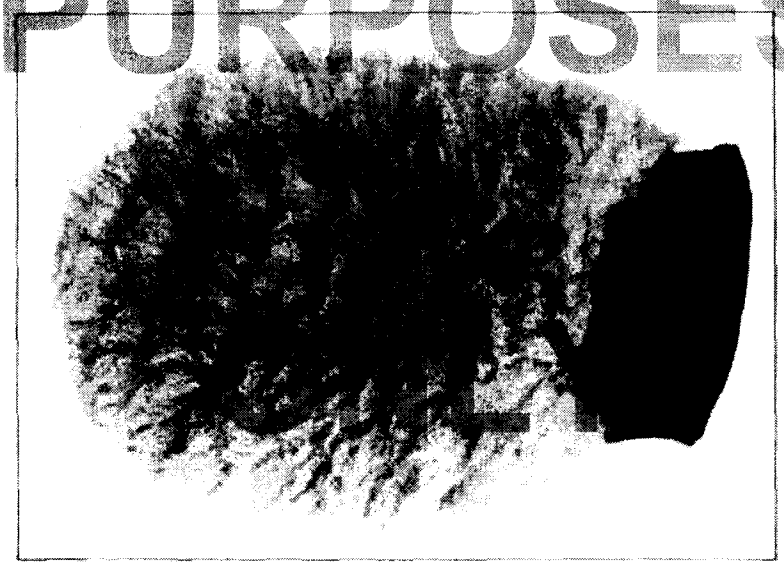
DELIGHT-OL METAL POLISH

Delight-Ol Metal Polish is a concentrated polishing abradant and contains no harmful acid or corrosive substances. The use of this polish eliminates the objectionable feature usually found in liquid polishes, that is, of whitening deposits which fill in the crevices, cracks, and corners after the benezine or ammonia evaporates. The brilliant finish is the most lasting obtained by any polish on the market.

The best recommendation for this form of polish is the fact that it has been used for forty years by the largest manufacturers in the world, by the World's Governments, in the Navy and Army Departments and by the leading Railroads of the United States.

DX-362—Per can, **$ .25**

SHEEPSKIN POLISHING MITT



Polishes anything. Ideal for polishing the enameled parts of the motorcycle after a polishing preparation is applied. Made from the best quality selected bark tanned sheepskin and finished on back and wrist with heavy duck. The polishing mitt is made without thumb and can be worn on either hand.

DX-389—Per pair, $ .35

FOR RESEARCH PURPOSES

JOHNSON'S
Kut-Rust

Have you ever tried to take off a rusted nut or take out a screw that was rusted in and finally after trying several times twisted it off? If you have, you will appreciate what a wonderful liquid Johnson's Kut-Rust is.

It will immediately soften rust, making it an easy matter to remove nuts and bolts of all kinds. A trial will convince you.

FX397—One-half pint. **$ .75**

JOHNSON'S BLACK-LAK

Renews mohair and leather tops, side curtains, cushions, etc. One coat imparts a rich black surface just like new. Easy to apply. Dries in fifteen minutes. Does not rub off on hands or clothing. Permanent, water proof and inexpensive. Do not hesitate to use Johnson's Black-Lak on the finest leather. It acts as a preservative and renders the leather soft and flexible.

FX-393—One-half pint	**$ .65**
FX-393A—Pint	**1.00**
FX-393B—Quart	**1.75**

JOHNSON'S STOP-SQUEAK OIL

This has the remarkable property of seeping rapidly between the spring leaves and to the furthermost wearing parts where it becomes a heavy bodied lubricant. If the springs start to squeak simply use Johnson's Stop-Squeak Oil and the squeak will disappear. Ideal for squeaky joints of all kinds. Just locate the squeak and touch it up with some of this oil.

FX-395—One-half pint	**$ .35**
FX-395A—Pint	.50
FX-395B—Quart	.85

FOR RESEARCH PURPOSES ONLY

JOHNSON'S CLEANER

Johnson's Cleaner really cleans. It removes spots, stains, scum, road-oil, grease, tar, alkali, etc. Even though the spots are ground in and surface scratches you though were permanent will disappear when this Cleaner is used. It contains no grit or acid so will not injure the finest finish. Furnished in one-half pound cans.

DX-392, $ .35

JOHNSON'S PREPARED WAX—LIQUID FORM

Johnson's prepared wax is now made in liquid form so that it may be more easily polished. This is the same as the paste wax except that it is in liquid form. It will prove a joy to the thousands of users of wax as it is very easy to apply and polish and requires very little rubbing. Preserves the varnish, protects it from the weather and covers up mars and scratches—prevents checking—sheds water and is absoluetly dust proof. Furnished in one-half pints, pints and quarts.

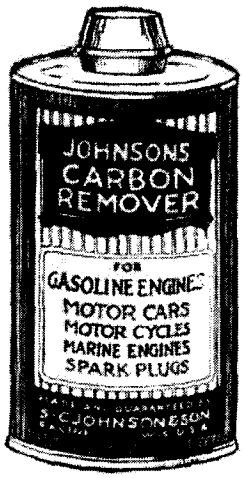
FX-396—One-half pint	**$ .50**
FX-396A—Pint	**.75**
FX-396B—Quart	**1.40**

JOHNSON'S PREPARED WAX—PASTE FORM

As some users prefer the paste form of the wax we carry this in the 5 oz. size only.

DX-391, $ .35

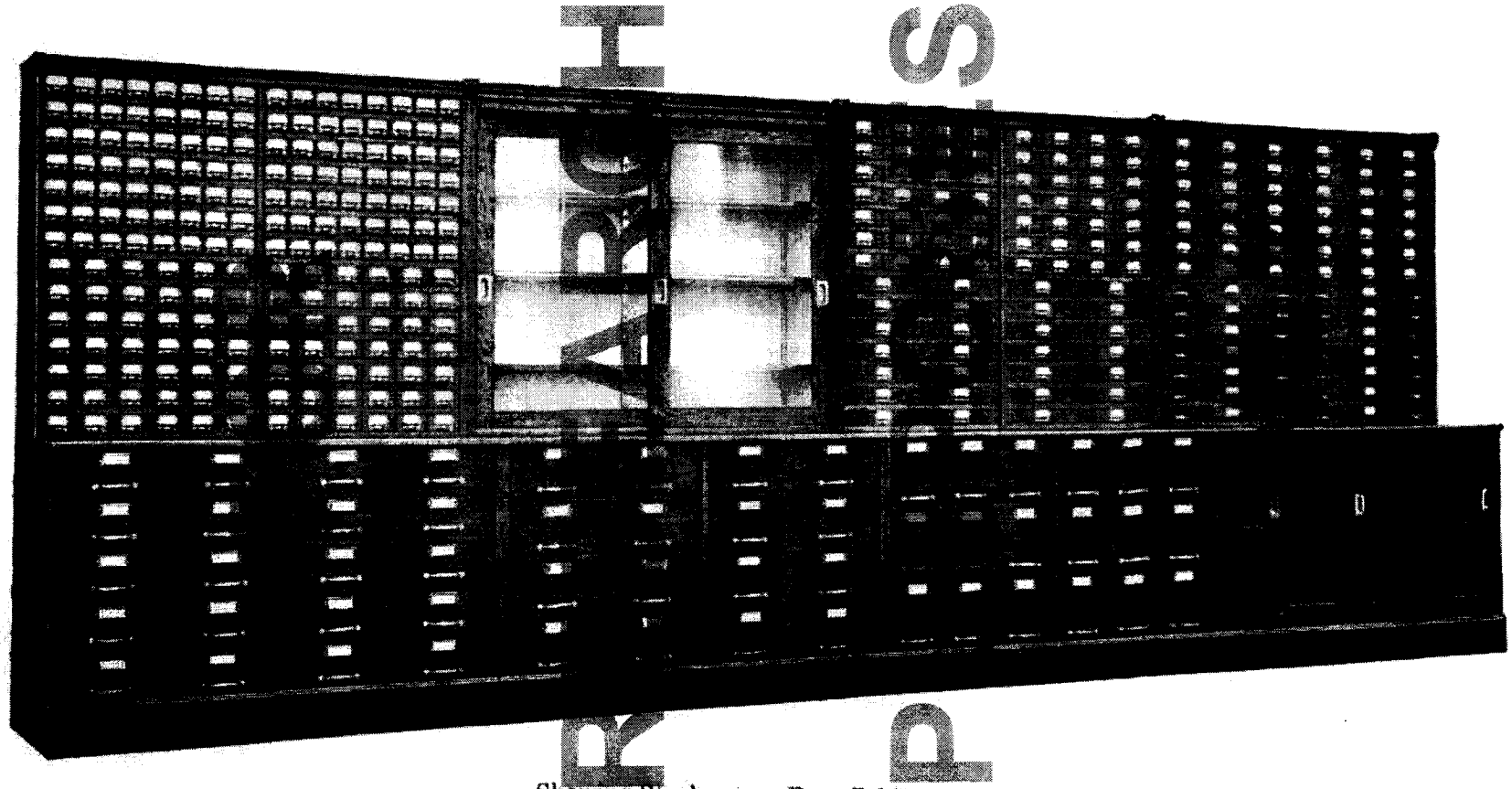
JOHNSON'S CARBON REMOVER



Johnson's Carbon Remover cures 80% of engine trouble. That knocking in your motor, the difficulty you have in climbing hill, lack of power, preignition, is all caused by carbon. No matter how choked up the engine is Johnson's Carbon Remover penetrates and softens the carbon. It then burns, powders and is blown out through the exhaust. Easy to use and will not injure the motor in any way. Complete instructions on each can.

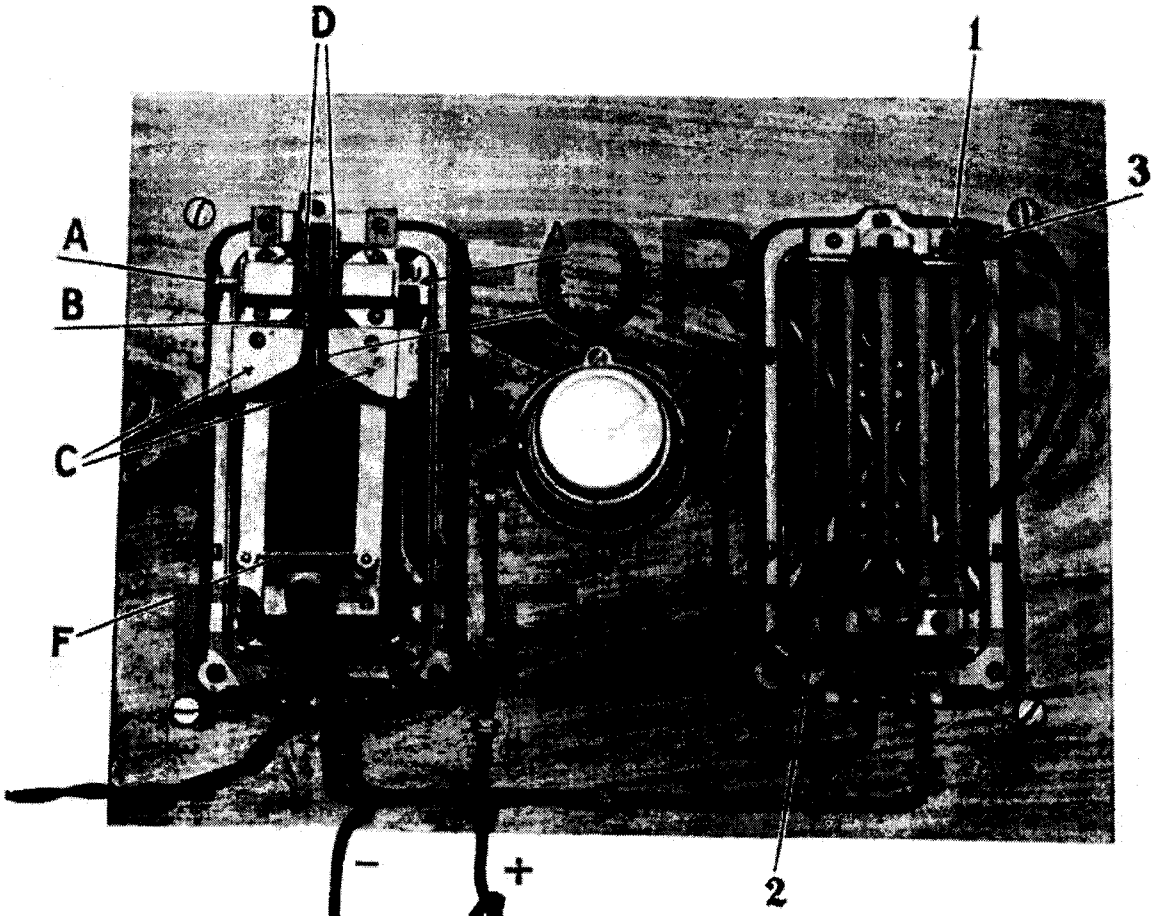
FX-394—One-half pint	$ .65
FX-394A—Pint	1.00
FX-394B—Quart	1.75

FOR RESEARCH PURPOSES ONLY



Showing Stack set on Base Cabinets
Send for Complete Catalog.

F F RECTIFIER



PURPOSES ONLY

For some time there has been a demand for a reliable charging apparatus where DC current was not available. Various apparatus was tested out by our Engineering Department and the rectifier that was best suited to our needs was adopted. Quality, efficiency, life and cost of installation, was considered. This rectifier can be used by every dealer who does or wishes to do his own battery charging but can not get direct current. The rectifier is furnished with a rheostat or resistance with which the current can be regulated to charge from one to eight batteries. It is designed for use with 110 volt alternating current 60 cycle frequency. The instrument is furnished mounted ready for service. The panel can be attached to a wall, the charging wire fitted into a sokcet and the leads are ready to be connected to the battery. Shipping weight 20 pounds.

GX-448—Rectifier, complete	$28.00
West of Rockies	30.00

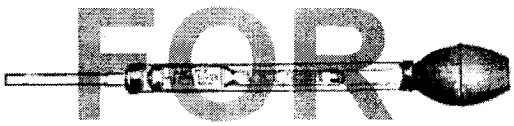
F. O. B. Cleveland, Ohio.

STORAGE BATTERY HYDROMETER

A tested hydrometer that will give you accurate readings at all times. Each hydrometer is carefully packed to guard against breaking in shipment.

DX-133—Hydrometer complete	$1.00	DX-136—Syringe glass only	$ .25
DX-134—Hydrometer float	.75	DX-137—Bulb for syringe	.15
DX-135—Hydrometer syringe	.50		

FOR

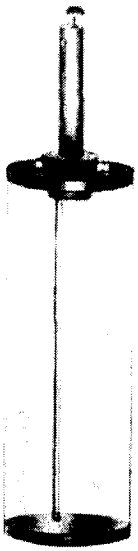


THE LUTHY HYDROMETER

You have been looking for a non-breakable hydrometer for a long time. Here it is. It is made from pure celluloid that wont break. Impervious to acid, durable, accurate, quickly read.

GX-133—Complete, $1.25

RESEARCH

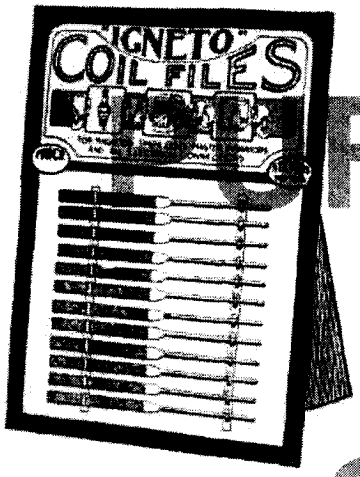


LUTHY BATTERY FILLER

Made from celluloid and hard rubber.

Here is an article you have asked about and looked for. The only device of its kind which automatically fills a battery with solution or water to the correct height. No more spilling or sloping over when filling a battery. Fills all cells to the same height. Stop guessing the correct height of the solution as it is a waste of time and is an unsafe practice. This filler is scientifically and practically the only proper device with which to fill a battery.

GX-132, $2.00



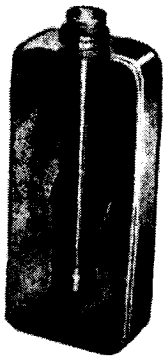
PURPOSES

IGNETO PLATINUM COIL FILES

This file has an extremely fine smooth cut on both sides and is thin enough to get in between magneto points and surface them properly without taking off too much of the valuable metal. Mounted on a attractive display card for the dealer.

FX-443—Each, $ .15

ONLY

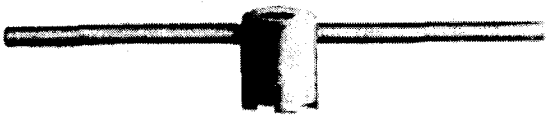


DOVER COMPACT OILER

A very handy and convenient oiler to carry in the tool box. Reversible spout with metal cap. Drip cap at base of spout catches all surplus oil. Occupies very little space. Its powerful spring makes it practically a squirt gun as it will throw a stream of oil into any part of the machine. Heavily copper plated. Size 3⅛ inch long, 1 15-15 inch wide, ⅞ inch thick.

FX-426, $ .55

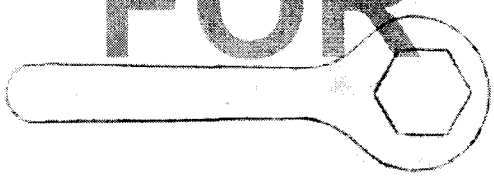
TWO SPEED HUB WRENCH



To remove and adjust inner hub shell on all two speed models.

CK-6, $1.50

INLET HOUSING WRENCH



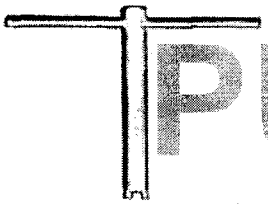
An extra heavy wrench designed to remove 1914 and older model inlet housings.

CK-10, $ .75

CLUTCH WRENCH

Shop wrench which fits AG-15 driving disc lock nut and EG-14 driving hub lock nut on 1915 to 1917 three speed models, and GG-14 driving hub lock nut on 1918 three speeds.

CK-17, $1.25

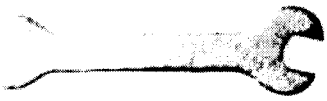


CRANK CASE STUD NUT WRENCH

Made specially for shop use for removing crank case stud nuts.

CK-35, $ .50

PEDAL PIN AND GAS PIPE NUT WRENCH



CK-38—1914 and earlier models.... $ .25
DK-38—1915 to 1918 models..... .25

COMBINATION WRENCH

A combination wrench designed for light work for removing 1914 inlet housings, exhaust pipe clamp nuts and head cone lock nut.

CK-56, $ .30

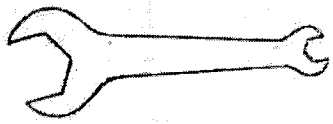
FLY WHEEL AND SHAFT NUT WRENCH

An extra heavy wrench for shop use to fit fly wheel gear shaft and sprocket shaft nuts, also crank hanger nuts.

AK-59, $ .50

FOR RESEARCH PURPOSES ONLY

DOUBLE END WRENCH



An exhaust valve cover wrench and ¼ inch nut wrench in one.

CK-65—1917 and earlier models.....**$ .25**
GK-65—1918 models..... **.25**

RIGHT BEARING CUP WRENCH

FOR

A special shop wrench to be used on CG-352 right bearing cup. Used on all 1914 to 1918 single speed models except 10A.

CK-79, $1.15

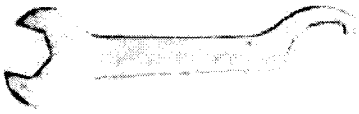
LEFT BALL CUP WRENCH

A special shop wrench designed to be used for removing AF-202 left ball cup and all Thor brakes used from 1912 to 1914.

AK-215, $1.50

RESEARCH

ACTUATING WORM AND REAR AXLE NUT WRENCH

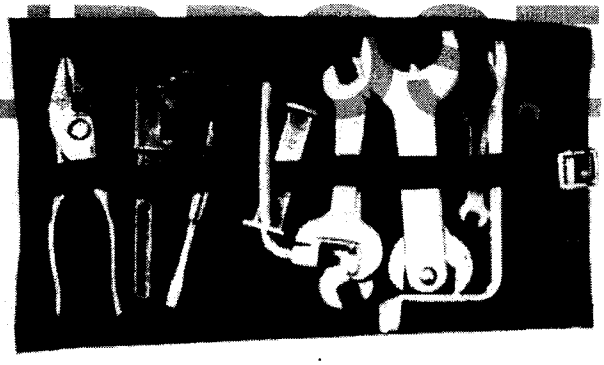


A tool kit wrench used on all two speeds and actuating worm cone. Also fits all rear axle nuts since 1915.

CK-264, $ .40

COMPLETE HARLEY-DAVIDSON TOOL KIT

PURPOSES



Separate parts of tool kit as follows:

AK-267 Tool Kit only.
AK-2 Axle adjusting screw and nut wrench.
DK-38 Open end wrench (Gas pipe nuts, etc.)
CK-65 Open end wrench (Exhaust valve cover and ¼ inch nuts) 1917.
GK-65 Open end wrench (Exhaust valve cover and ¼ inch nuts) 1918.
AK-269 Pair Red Devil Pliers.
CK-270 Screw driver.
DK-807 Open end wrench (offset for gear box nut.)
DK-809 Monkey wrench.
GK-739 Chain tool.
FK-822 Inlet housing and crank case wrench.

ONLY

FK-266—Complete tool kit.....**$4.80**

TOOL KIT ONLY

A good quality duck tool kit designed to fit Harley-Davidson tools.

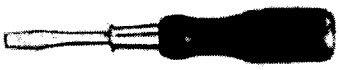
AK-267, $ .40

RED DEVIL PLIERS

Made from high grade steel forgings, nickel plated. Handles are knurled and well finished.

AK-269, $ .75

SCREW DRIVERS



CK-270—Small size . . . . . $ .20
EK-326—With 6 inch blade 55

YANKEE AUTOMATIC SCREW DRIVER

No shop equipment is complete without this handy instrument.

EK-325, $2.75

RAWHIDE MALLET

Designed for use on work necessitating a heavy blow without damaging results. Weighs two pounds, two ounces.

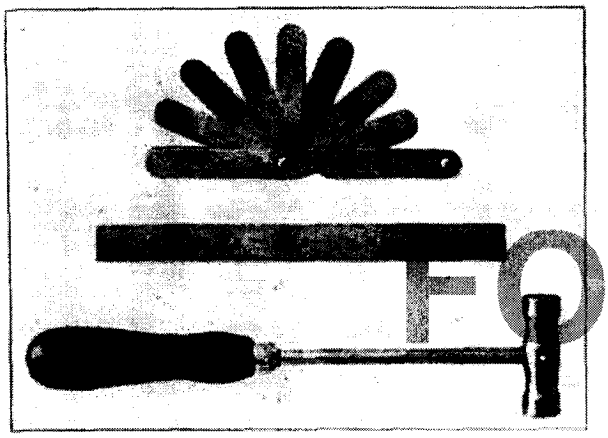
EK-327, $2.50

COPPER HAMMER

Specially designed for truing fly wheels but can be used wherever a heavy blow is necessary without leaving hammer marks. Weighs two pounds.

EK-328, $2.00

THICKNESS GAUGE



This gauge has nine leaves as follows: .0015, .002, .003, .004, .006, .008, .010, .012, .015. The leaves are carefully tempered and have the dimensions plainly marked on them.

EK-330, $2.00

GRADUATED SCALE

A 6 inch flexible steel scale for timing motors and for general shop use.

EK-329, $1.10

BRASS HAMMER

A small brass hammer made specially for removing magneto and generator gears. Can also be used for other light work.

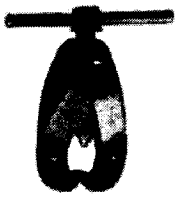
EK-331, $1.00

BEAN VALVE RESEATING TOOL

A light tool that can be used for cleaning up valve seats and also for reseating if the seats are not very deeply pitted.

DK-333, $2.00

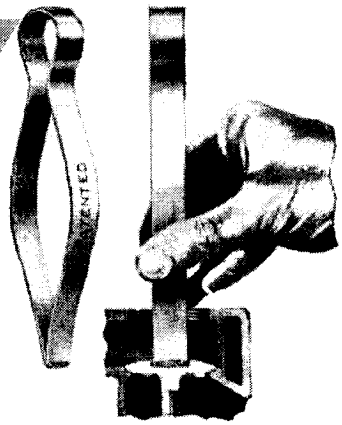
SPROCKET PULLER



With this puller engine sprockets can be removed without injury to them or the shafts. This can also be used for removing EG-601 starter main shaft gear on 1916 to 1918 rear stroke starter three speed models.

EK-332, $2.00

VALVE LIFTER

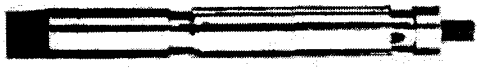


This enables you to take the valves out of the motor and replace them without delay or trouble. Its usefulness is apparent at a glance. The illustration shows the method of using the tool.

EK-334, $ .40

FOR RESEARCH PURPOSES ONLY

EXPANSION REAMERS



Expert repair work on bushings can not be done without these tools. Made to expand to .010 oversize.

EK-335—39-64 inch..... 10.00
EK-336—15-16 inch..... 9.50

FOR

SQUARE SHANK SCREW DRIVER

An extra heavy screw driver with a square shank so that a wrench may be used on large and stubborn screws. Specially adapted for removing three speed countershaft.

RESEARCH

EK-337..... $1.00

SPROCKET BEARING NUT WRENCH

PURPOSES

A shop wrench designed for removing AE-718 sprocket bearing nut on all chain drive models except three speeds.

CK-411, $1.00

BOSCH MAGNETO WRENCH

For adjusting platinum pointed screws and lock nuts on Bosch magnetos.

AK-423—For open type magneto..... $ .35
AK-424—For armoured type magneto..... .35

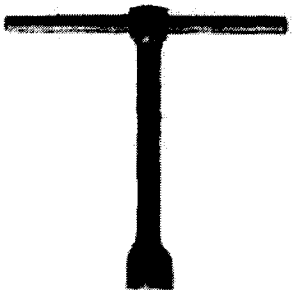
ONLY

PISTON PIN SET SCREW WRENCH

A socket wrench for removing AA-14 piston pin set screw on all 1911 and 1912 models.

AK-429, $ .40

SOCKET WRENCHES



These wrenches are all made of the best drop forgings heat treated, cyonide finish, lacquered to prevent rusting.

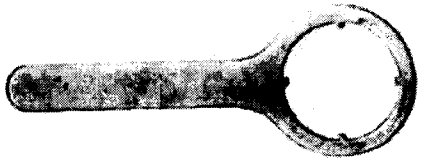
AK-430—7-16 inch hexagon nuts	$ .75
AK-431—½ inch hexagon nuts	.80
AK-432—9-16 inch hexagon nuts	.90
AK-433—11-16 inch hexagon nuts	1.10
CK-801—⅝ inch hexagon nuts	1.00
EK-621—⅞ inch hexagon nuts	1.80

OPEN END WRENCHES

Made of the best drop forged steel heat treated, cyonide finish, lacquered to prevent rusting.

CK-434—Milled openings, 7-16 inch—⅜ inch	$ .40
CK-435—Milled openings, ⅝ inch—¾ inch	.75
CK-802—Milled openings, 5-16 inch—13-32 inch	.35
CK-803—Milled openings, 9-32 inch—11-16 inch	.60
CK-804—Milled openings, 7-16 inch—½ inch	.55
AK-435—Milled openings, ¾ inch—13-16 inch	1.00
EK-816—Milled openings, 7-16 inch—9-16 inch	.50

ECCENTRIC LOCK NUT WRENCH



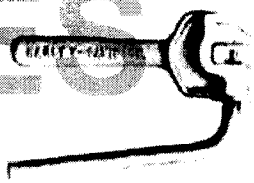
A light weight wrench made to fit CE-721 eccentric lock nut on all chain drive models except three speeds.

CK-713, $ .25

HARLEY-DAVIDSON CHAIN TOOL

This is out latest improved chain tool. Can be used on both the ¾ inch and ⅝ inch wide chain. Body drop forged, while the screw is made of special steel with a specially hardened inserted steel point. Guaranteed to do the work.

GK-739—Tool complete	$ .75
GK-742—Body only	.50
EK-756—Screw only	.25



COUNTERSHAFT WRENCH

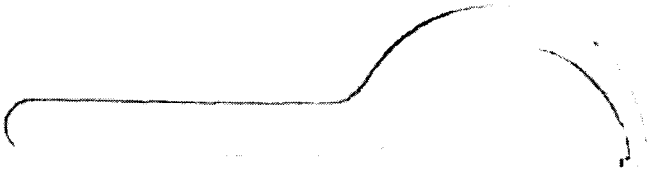
This wrench is made for removing BG-320 drive pawl shell on 1914 to 1918 models except model 10A and three speeds. Also for AE-720 sprocket lock nut on 8E, 9B and 9E models.

BK-745, $ .50

COUNTERSHAFT WRENCH

Designed for removing AE-719 sprocket bearing lock nut on all chain drive models except three speeds.

BK-746, $ .60



FOR RESEARCH PURPOSES ONLY

SPOKE NIPPLE WRENCHES

An extra heavy drop forged wrench for ordinary use.

BK-747—Fits nipples used on 1914 and earlier models.....**$ .50**
DK-747—Fits spoke nipples used on 1915 to 1918 models..... **.50**

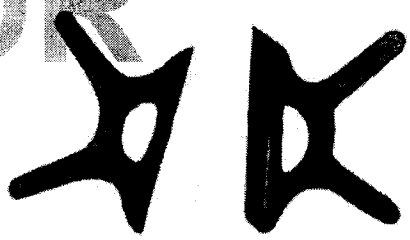
A special spoke nipple wrench for shop use only. Cast body with tool steel jaws.
GK-863 to fit spoke nipples on 1915 to 1918 models.....**$4.50**

C CLAMP

Specially adapted for adjusting head cones. Size 2½ inches.

FX-791, $ .55

COPPER VISE JAWS



These have been used in our factory with splendid success so we have made them up for our dealers. To be put over jaws of the vise when clamping parts that are likely to become injured if the plain steel cuts them. Made to fit a 4 inch vise.

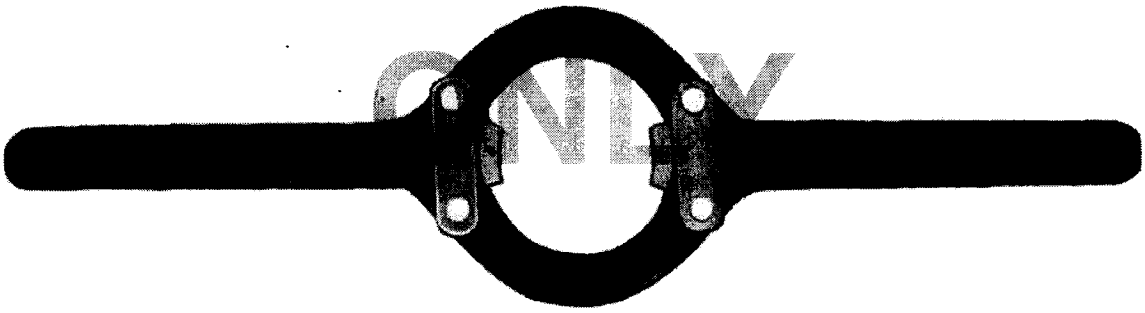
FX-790—Per set of two, **$ .75**

PISTON PIN REMOVER

This tool enables you to quickly remove pins without injury to the piston itself. The saving in time and material will pay for this tool in a very short time.

FK-799, $3.20

CLUTCH WRENCH



An adjustable shop wrench to fit AG-13 driving hub nut on 1912 to 1918 models except three speeds; DG-13 driving hub nut on 1915 to 1917 three speed models; GG-13 driving hub nut on 1918 three speed models and AG-14 driving hub lock nut on 1912 to 1918 models except three speeds.

CK-800, $2.50

FOR RESEARCH PURPOSES ONLY

PULL ROD NUT WRENCH

This little wrench should be a part of every tool kit. You can not get along without it as it is the only wrench that can be used successfully for adjusting BO-680 and BO-681 pull rod nuts and lock nuts.

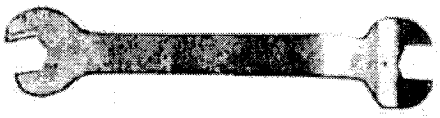
DK-805, $ .25

CLUTCH WRENCH

This is a specially designed shop wrench providing the only satisfactory method of removing the clutch from the three speed.

DK-806, $1.00

GEAR BOX WRENCH



A double open end offset wrench specially designed to fit gear box mounting stud nuts for making front chain adjustment.

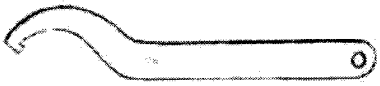
DK-807, $ .35

MONKEY WRENCH

A good substantial drop forged wrench that is guaranteed to give satisfactory service.

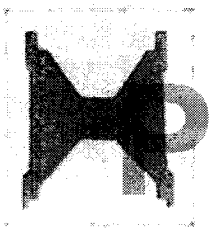
DK-809, $ .50

EXHAUST PIPE NUT WRENCH



A drop forged wrench that is specially designed for shop use on exhaust pipe nuts.

DK-810, $ .80



THREE SPEED WRENCH

An inexpensive shop tool specially designed to be used in connection with a heavy monkey wrench for removing ball bearing housings and lock nuts on three speeds.

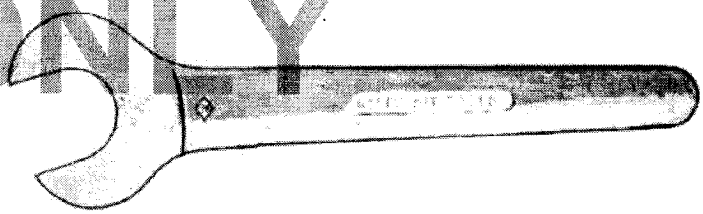
DK-811, $ .30

REMY GENERATOR WRENCH

A small wrench for adjusting platinum pointed screws on Remy generator.

DK-815, $ .15

MANIFOLD WRENCHES



A double end drop forged wrench measuring 15-16 inch at one end and 1½ inch at the other. Made to fit manifold nuts and nipples on 1912, 1913 and 1914 H motors.

EK-817, $1.75

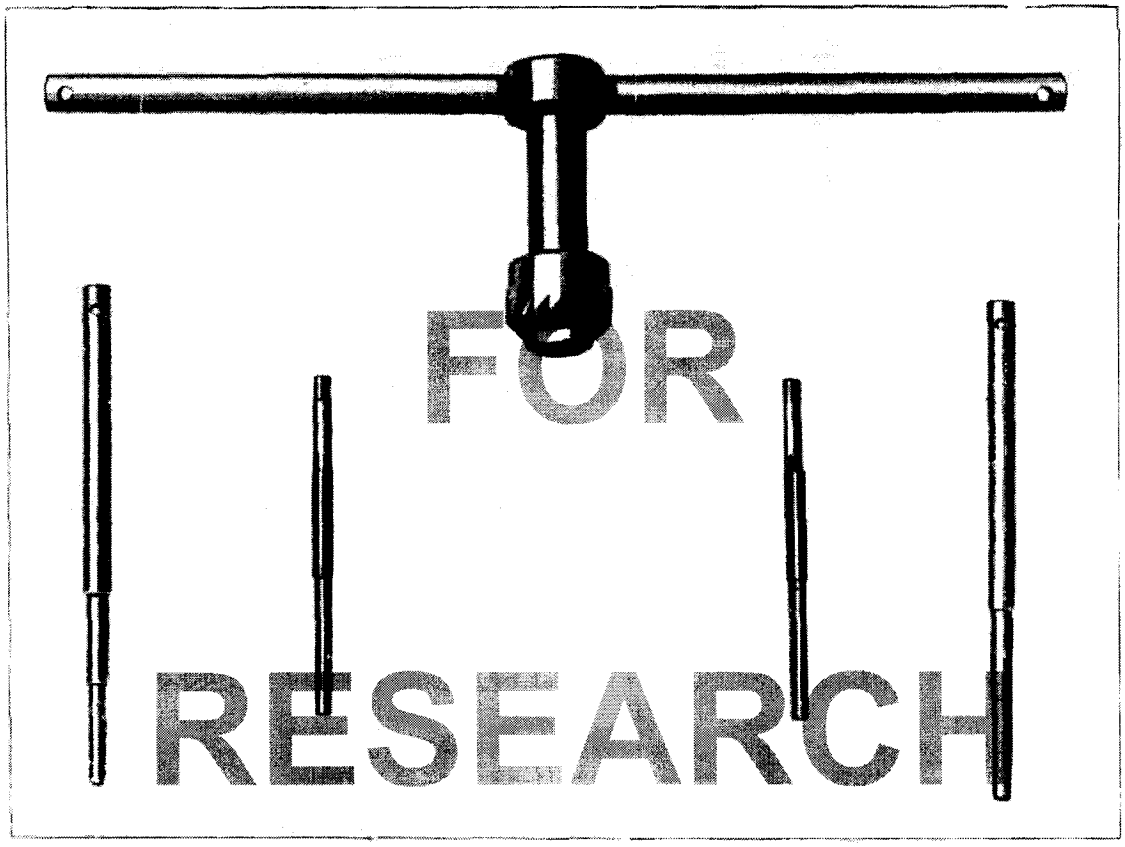
A single end drop forged wrench made to fit manifolds on 1914 F and A motors.

EK-818, $1.25

A single end drop forged wrench made to fit manifolds on 1915 to 1918 motors, and sidecar ball joint nuts and locks nuts.

GK-853, $2.00

FOR RESEARCH PURPOSES ONLY



FOR RESEARCH PURPOSES ONLY

EXHAUST VALVE RESEATER AND GUIDE REAMER

This valuable tool should be a part of the equipment of every first-class repair shop. It can be used on all models and is necessary for first class valve reseating work. The tool is furnished with one pilot and one reamer standard size, and one each 1-32 inch oversize.

FX-824—Complete as shown	**$10.00**
FK-826—Standard Pilot Reamer	**1.75**
FK-823—Oversize Pilot Reamer	**1.75**
FK-824A—Seat Cutter only	**1.25**
FK-824B—Holders	**3.00**
FK-824D—Nuts	**.10**
FK-824E—Standard Pilot	**1.00**
FK-824F—Oversize Pilot	**1.00**
FK-824G—Handles only—each	**.25**

CRANK CASE BEARING BUSHING FIXTURE

This fixture, consisting of three pieces, was designed to remove the crank case bearing bushing.

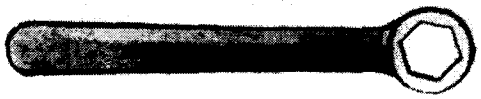
FK-834, $7.00

FLOAT VALVE NUT WRENCH

This socket wrench is made specially to fit the float valve nuts on the 1916 to 1918 carburetors.

EK-819, $ .80

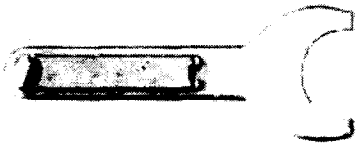
OIL HOLE PLUG WRENCH



A drop forged shop wrench made for removing the gear box oil hole plugs.

EK-820, $ .80

INLET HOUSING AND CRANK CASE WRENCH



Two tools in one. Used to remove inlet housing collar nut, and also for removing casing stud nut.

FK-822, $ .80

OFFSET SCREW DRIVER

A very necessary tool as it is almost impossible to tighten up the generator cables without it.

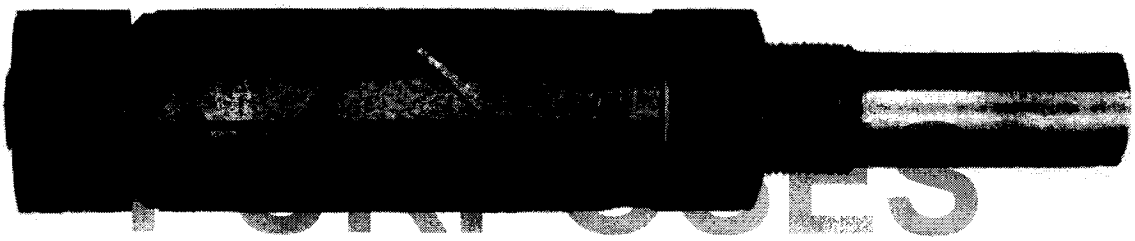
FK-825, $1.00

LIFTER PIN NUT WRENCH

A small specially designed wrench for use in adjusting exhaust lifter pin. Two are necessary so order in pairs.

FK-827, each, $ .25

CONNECTING ROD LAPPING ARBOR



This is the only tool that can be used with satisfactory results for lapping the steel bushings in the connecting rod to the required size. For full directions, see Service Department Bulletin No. 68. Made in two sizes.

FK-828—For 1915 to 1918 models **$8.00**
FK-830—For 1912 to 1914 models **8.00**

FORK STRAIGHTENING TOOL

With this tool a mechanic can straighten and align a fork without removing it from the frame. It can also be used for taking kinks out of the motorcycle and sidecar frames.

FK-829, $8.00

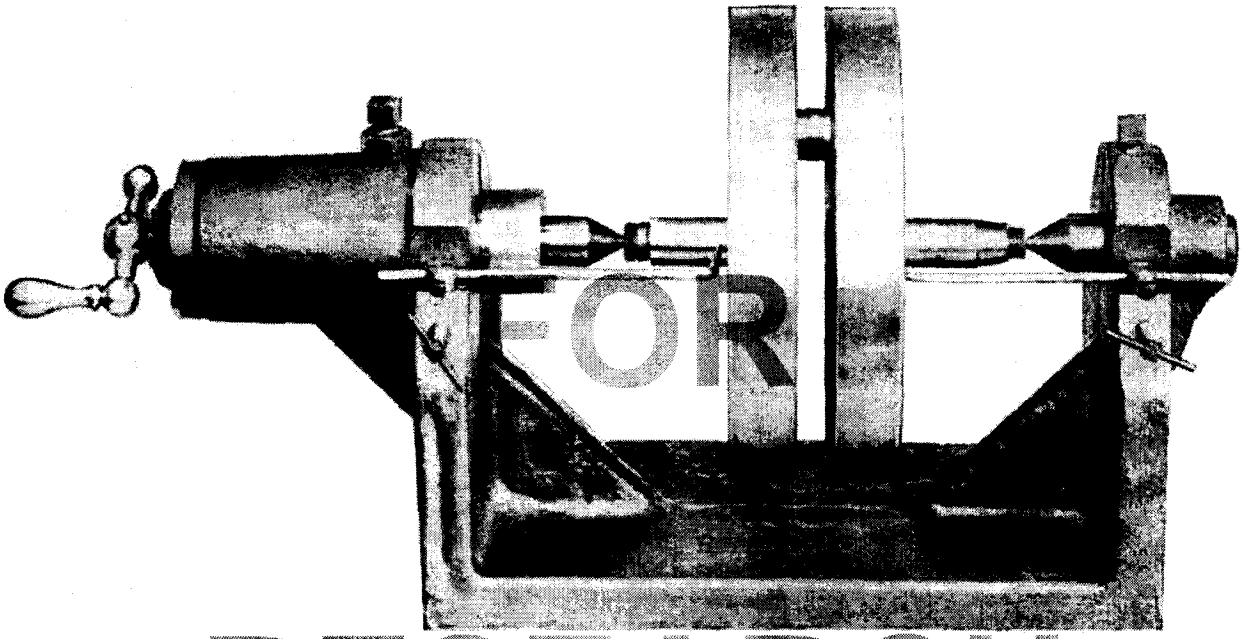
CAM AND GENERATOR DRIVE GEAR PULLER

Due to the location and size of the circuit breaker cam on the model 235 generator, a puller is necessary. This puller can also be used to remove the generator drive gear GA-903 from the shaft.

GK-833—Net, $1.50

FOR RESEARCH PURPOSES ONLY

FLY WHEEL TRUING DEVICE



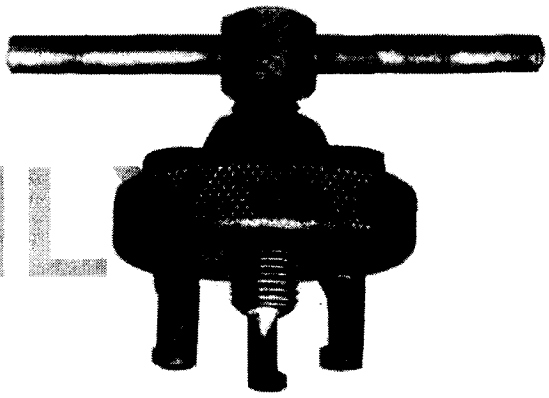
This enables the workman to determine exactly when fly wheels and shafts are in perfect alignment. It may also be used for truing up various other articles. It is constructed along the lines of a lathe, having a head and tail stock which are stationary, one center being adjustable to permit rapid removal of fly wheel assembly. The same high grade workmanship and material as characterizes a high priced lathe is a feature of this device. It is small but very substantially built and easy to operate. Will last indefinitely and be a valuable asset to a well equipped shop. Shipping weight 100 pounds.

GK-850, $25.00

THREE SPEED ASSEMBLING STAND

A very convenient shop fixture. With this stand a three speed may be clamped on the bench and repairs or adjustments made with much greater speed than by any other method. The time saved will pay for this stand in a very short time.

GK-851, $2.25



MAGNETO AND GENERATOR GEAR PULLER

A heavy tool for removing the magneto and generator drive gears on 1916 to 1918 models except the 18J's equipped with model 235 generator.

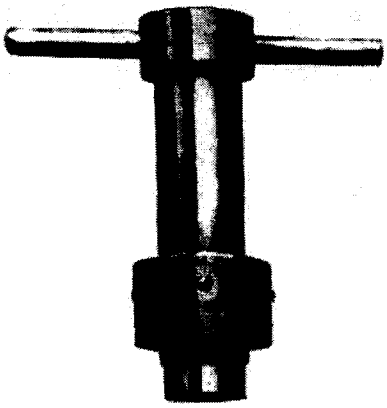
FK-831, $2.50

OILER WRENCH

This wrench replaces the three oiler wrenches previously furnished. With it the plunger cap screw, operating shaft screw and oil window nut can be removed easily without damage to these parts. It can also be used to remove DG-588 sliding gear fork plunger screw.

FK-832, $1.75

FOR RESEARCH PURPOSES ONLY

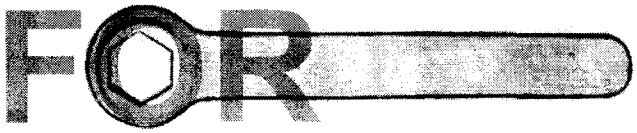


FORK STEM DIE AND HOLDER

This is specially designed to chase or straighten threads on rigid fork stem. Holder is so designed as to permit unhindered use of the die. The die is 1 9-64 inch—24 V thread adjustable.

GK-852, $12.00

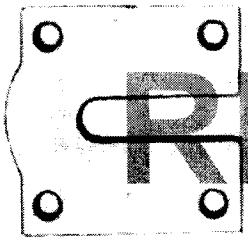
CRANK PIN NUT WRENCH



A specially drop forged wrench made to fit the fly wheel crank pin nut on all 1915 to 1918 models.

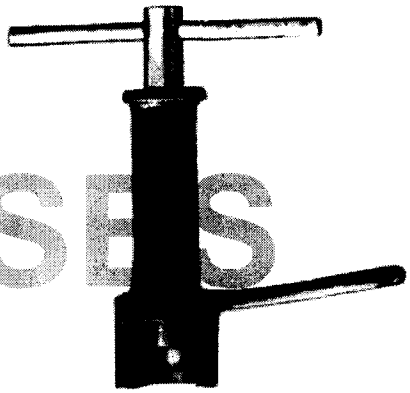
GK-854, $2.50

PISTON SQUARING PLATE



This plate is used to square the piston to prevent possible side friction of the piston against the cylinder wall. By placing this on crank case, turning the motor until the piston bears lightly on the plate, a twisted or bent connecting rod can be quickly detected. The rod can then be bent or twisted until the piston sits perfectly square on the plate.

GK-855, $3.00



PINION PULLER

This puller was specially designed so that the pinion could be removed quickly without danger of damage to the pinion or stud.

GK-859, $3.00

LIGHTING SWITCH NUT WRENCH

This small socket wrench was specially designed to fit the lighting switch nuts on the 1915 to 1918 old style generators, and to fit the 7-36 inch nuts which clamp the switch cover to the base on the new style generators. It can also be used on SC-26 float valve nut on the old style carburetors.

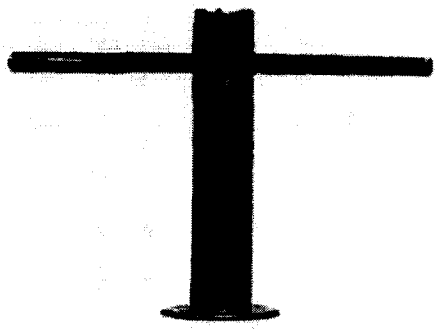
GK-860, $ .75

CRANK CASE LINING BAR

It is very essential that the crank case be lined up perfectly if the motor is going to give satisfactory service. It is almost impossible to line up a crank case without the use of this bar. The collar, not shown, is furnished to be used as a spacer on the sprocket side crank case so that a perfect alignment can be obtained.

GK-862, $3.50

FOR RESEARCH PURPOSES ONLY

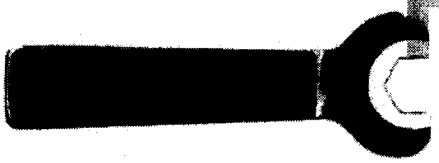


INLET HOUSING GRINDER TOOL

The importance of having the inlet housing absolutely air tight to prevent leakage of compression is obvious. A perfectly tight fit can not be obtained unless the inlet housing is ground in on the cylinder seat. This tool provides the only satisfactory method for doing this work.

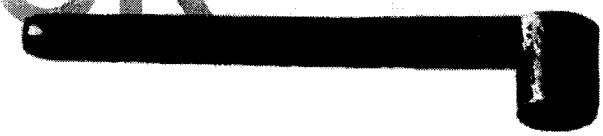
GK-864, $3.00

CYLINDER PLUG WRENCHES



An open end wrench designed to be used for tightening up the cylinder plug while the motor is in the frame.

GK-861, $1.75



An extra heavy forged socket end wrench designed for heavy shop use on cylinder plugs when the motor is out of the frame.

GK-865, $5.00

RELIEF PIPE WRENCH

An especially designed shop wrench to fit DA-820 relief pipe connections on all 1915 to 1918 models.

GK-866, $1.10

JOHNS-MANVILLE SPEEDOMETER WRENCH

An offset open end wrench especially designed to fit hexagon head tank screws used in connection with fitting the Johns-Manville speedometer bracket on the tanks.

GK-867, $1.20

CLUTCH JIGS

A very handy set of jigs for holding the clutch in the vise while making necessary repairs or adjustments.

GK-868, $8.00

REAR AXLE NUT WRENCH

An especially made offset shop wrench to fit the rear axle nuts on all models from 1914 to 1918.

GK-869, $1.30

EXHAUST LIFTER PIN BUSHING WRENCH

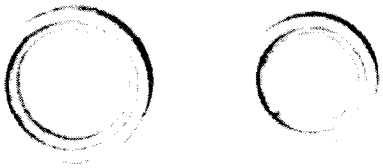
Especially designed shop wrench to fit DA-738 exhaust lifter pin bushing. No ordinary wrench can be used with satisfactory results on this bushing.

GK-870, $1.40

HUB ASSEMBLING COLLARS

These are useful for contracting spring rings in assembling the front and rear hubs. Designed especially for our dealer shop equipment.

GK-871—For front hubs . $1.00
GK-872—For rear hubs.. 1.25



FOR RESEARCH PURPOSES ONLY

HARLEY-DAVIDSON MOTORCYCLE OIL

FOR RESEARCH PURPOSES ONLY

This oil is absolutely the cleanest and most efficient motorcycle oil to be had. It is exactly suited to the requirements of the Harley-Davidson motor and should be used by every one who expects to receive the maximum amount of service from their Harley-Davidson. Refined in two weights. Medium for use in cold weather, and heavy for use in warm weather. Be sure to specify weight when ordering.

1 Gallon Can	$1.25
5 Gallon Can	5.25
10 Gallon (2 5-Gallon Cans)	10.25
½ Barrel, per gallon (30 gallons)	.80
1 Barrel, per gallon (50 gallons)	.75

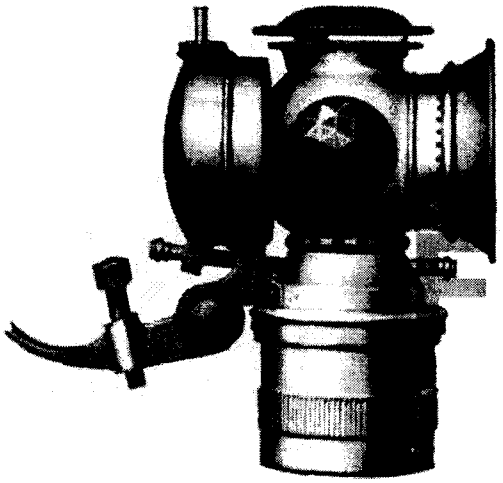
SPECIAL RACING OIL

This is a specially refined oil for racing purposes.

1 Gallon Can	$1.40
5 Gallon Can	5.75
10 Gallon (2 5-Gallon Cans)	11.00

THREE-SPEED OIL

The medium weight Harley-Davidson motorcycle oil should be used for lubricating the three-speed. Do not use a heavy oil as this will not lubricate the three-speed properly.

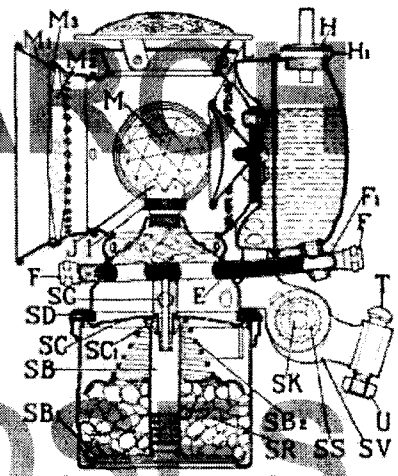


SOLAR BICYCLE GAS LAMP

This famous bicycle lamp is made from heavy gauge sheet brass embodying the wick feeding system of water control which has for twenty years proven the best automatic system of gas generation known. All parts such as water valve, wick tube, burner socket, nuts., etc., are made from brass tubing or rod and are interchangeable. The lamp is 7 inches high fitted with aluminum removable reflector, 2⅝ inch ground and polished double convex lens, 1½ inch ruby and green side glasses. Heavily nickel plated and polished. Guaranteed to be fully satisfactory under all conditions and projects an intense white light 100 feet ahead.

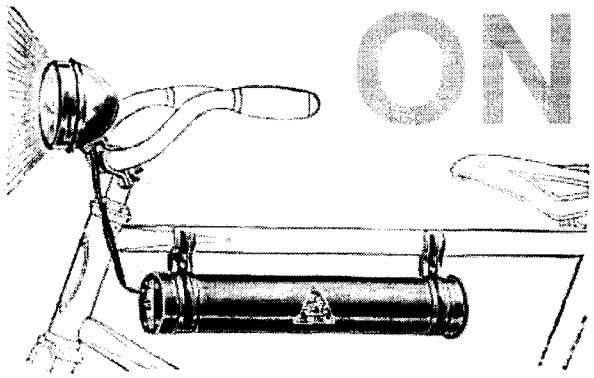
FX-5001—with regular bracket, **$3.75**
FX-5001S—with shipp bracket, **4.00**

Key Letter		
S-B	Screen Tube	$ .20
S-B1	Screen Tube Plate	.10
S-B2	Carbide Spring	.20
S-D	Rubber Washer	.10
S-C	Washer Plate	.10
S-C1	Washer Plate Nut	.10
E	Fibre Wick	.10
F	Wick Tube Cap	.10
F1	Wick Tube	.20
S-G	Water Valve	.40
S-G1	Water Valve Washer and Nut	.05
H	Filler Cap	.10
H1	Filler Cap Washer	.02
I	Tip Holder	.10
J	Tip	.10
S-K	Ratchet Screw Bolt	.15
L	Reflector	.20
M	Jewel (Red or Green)	.15
M1	Lens Door	.30
M2	Lens	.25
M3	Lens Wire	.05
S-N	Bracket Complete	.50
S-O	Bracket Side, R. H.	.15
SO1	Bracket Side, L. H.	.15
SP	Clamp Screw Bolt	.15
SQ	Clamp Thumb Screw Nut	.05



SR	Carbide Tank	.40
SS	Ratchet Thumb Screw Nut	.05
T	Pivot Bolt	.10
U	Pivot Bolt Nut	.05
SV	Ratchet Arm	.15
W	Bracket Lining	.05

DELTA ELECTRIC BICYCLE LAMP



Double Cell

Attaches to any kind of frame. Battery case can be clamped to top or bottom side of cross bar. Wiring arrangement prevents broken or loose wires. Switch located on battery case. Operates on one cell common dry battery. Headlight turns on spring washer. Universal clamp fits any handlebar. Handsomely finished in high grade black baked enamel. Separate powerful parabolic reflector. The entire outfit made from extra heavy metal.

FX-5010—Single cell..... **$1.75**
FX-5011—Double cell..... **2.00**

FOR RESEARCH PURPOSES ONLY

NEW DEPARTURE MASCOT BELL ASSORTMENT

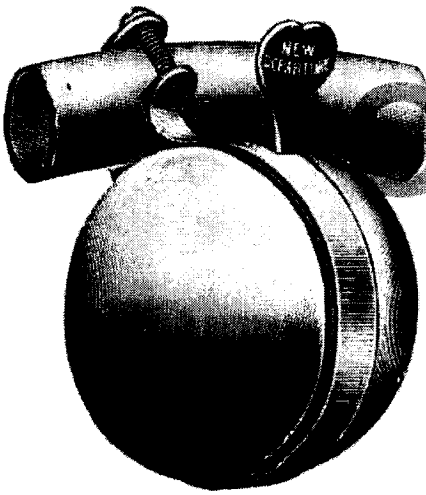
This assortment consist of six handsome bells with flat top gong, decorated in brilliant colors with unique Mascot designs. The gongs are steel and electrically welded to the hub of the bell. The tone is therefore unusually pure and free from clatter. Individually boxed. Gongs are 2¼ inches in diameter.

FX-5216—Each, $ .30

Packed one dozen assorted in a container.

FOR RESEARCH PURPOSES ONLY

LEADER CHIME



A loud, clear chime bell. Gongs are made of wrought steel. A splendid value in a low priced multiple toned alarm.

FX-5220—Each, $ .50

NEW DEPARTURE ZOO BELL ASSORTMENT

FOR RESEARCH

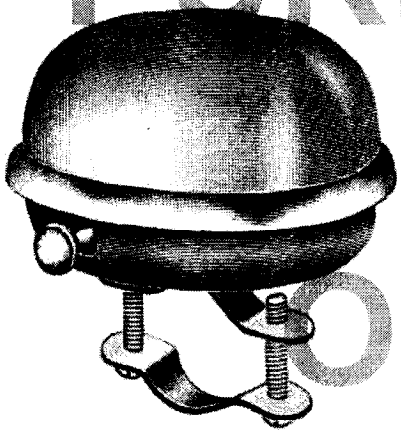
Above is shown an illustration of the Zoo assortment that has proved so popular. The gongs are made of the best bell metal and brightly ornamented in colors. The tone is sharp and musical. The gongs are $2\frac{3}{8}$ inches in diameter.

FX-5215—Price each, **$ .35**

Packed one dozen assorted in container.

PURPOSES ONLY

PUSH BUTTON BELL

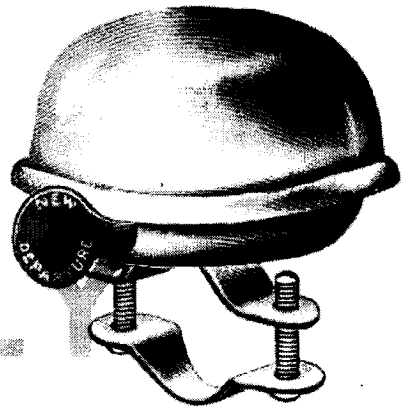


In this bell a touch of the button releases double hammers that ring continously so long as the button is pressed. The gong is made of bell metal, is non-revolving and produces an alarm of fine, penetrating tones.

Gong measure $2\frac{1}{4}$ inches in diameter.

FX-5224 Price each, **$ .60**

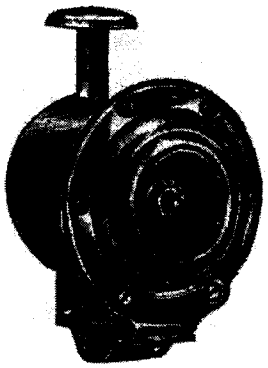
LEADER PLAIN



A low priced bell of unusual value. Gongs are made of wrought steel and the operating mechanism is equal to that of some of the higher priced bells.

FX-5221—$2\frac{1}{4}$ inch size	**$ .30**
FX-5223—2 inch size	**.20**

LONG BICYCLE HORN

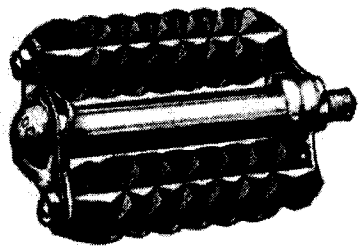


This is a miniature of the famous Junior Long Horn, being made with the same care and attention to detail as is its big brother. Made with Universal bracket so that it will fit on handlebar or cross bar of frame. Finished in handsome black enamel.

FX-5214—Each, **$1.50**

FOR

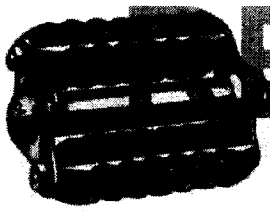
HARLEY-DAVIDSON IDEAL PEDAL



This is a high grade bicycle pedal 3¾ inches wide. It is used as regular equipment on all Harley-Davidson bicycles with the exception of the Juvenile models.

FX-5300—Per pair, **$1.70**

RESEARCH

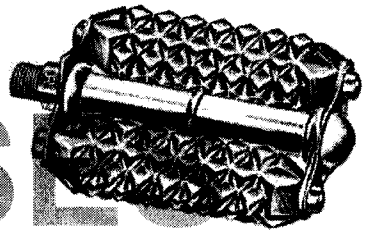


HARLEY-DAVIDSON IDEAL JUNIOR PEDALS

The same quality as the Harley-Davidson Ideal but measuring only 3¼ inch. Made especially for Juveniles and used on all Harley-Davidson Junior bicycles.

FX-5300J Juvenile, per pair, **$1.70**

No. 5 PIRATE PEDAL



Wide tread heavy rubber bicycle pedal. Can also be used for light service on a motorcycle.

FX-5300S—Per pair, **$1.50**

PURPOSES

No. 6 SWAGED ENDS

ONLY

Carried in one gauge, .080 x .060. Packed 100 to the box with ¾ inch nipples. Carried in the following lengths:

FW525D—12 inch, Price per 100 ..... $1.60
FW-525S—12⅛ inch, Price per 100 ..... 1.60

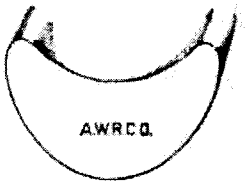
WOOD RIM WASHERS FOR BICYCLE SPOKES

Either saw tooth as illustrated or plain.

Saw tooth style—			
FW-526A—per 100	$ .15	Per 1000	$ .60
Plain style—			
FW-526B—per 100	.12	Per 1000	.60

BICYCLE RIMS

G. & J.
Type



Cement
Type

FOR

Crescent or Cement Type Wood Rims

	Sizes 28 by 1 7-16 inch drilled 32 and 36 hole.	Per pair
FW-500D	Harley-Davidson finish, 36 hole	**$2.00**
FX-5556	Harley-Davidson finish, 32 hole	**2.00**
FX-5550	Natural finish, 36 hole, per pair	**1.50**
FX-5551	Natural finish, 32 hole, per pair	**1.50**
FX-5552	Aluminum finish with red and blue hair-lines, 36 hole	**2.00**
FX-5553	Aluminum finish with red and blue hair-lines, 32 hole	**2.00**
FX-5554	Black enamel, dark red center, gold hair-lines, 36 hole	**2.00**
FX-5555	Black enamel, dark red center, gold hair-lines, 32 hole	**2.00**

RESEARCH

JUVENILE SIZES

FW-500A	20 x 1⅜ inch Harley-Davidson finish, 28 hole	**2.00**
FW-500B	24 x 1 7-16 inch Narrow, Harley-Davidson finish, 28 hole	**2.00**
FW-500C	26 x 1 7-16 inch Narrow, Harley-Davidson finish, 28 hole	**2.00**

PURPOSES

RACING RIMS

FW-500K	28 x 1⅛ inch Harley-Davidson finish, 36 hole	**2.00**

G. & J. WOOD RIMS

FW-500GJ	28 x 1½ inch Harley-Davidson finish, 36 hole	**2.30**

STEEL LINED CLINCHER WOOD RIMS

FX-5559	28 x 1½ inch Harley-Davidson finish, 36 hole	**2.70**

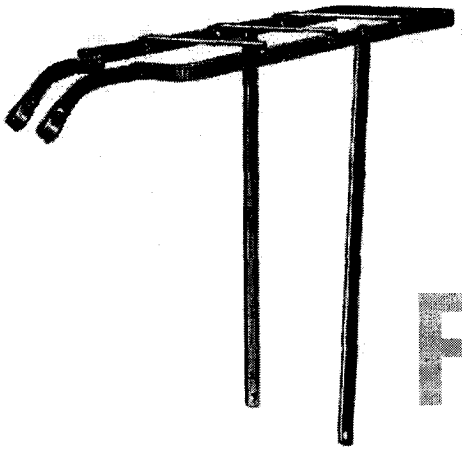
ONLY

STEEL LINED CEMENT WOOD RIMS

FX-5558	28 x 1½ inch Harley-Davidson finish, 36 hole	**2.70**

ALL STEEL RIMS

FW-500MS	Cement 28 x 1½ inch, plain, 36 hole	**1.80**
FW-500M	Cement 28 x 1½ inch Harley-Davidson finish, 36 hole	**2.50**
FW500P	Clincher 28 x 1½ inch Harley-Davidson finish, 36 hole	**2.50**



BICYCLE LUGGAGE-CARRIER

A specially designed luggage-cgrrier to fit Harley-Davidson bicycles. Will also fit other makes. Very substantially made so that fairly bulky packages can be carried. The method of fastening with the two clamps is much stronger and makes a neater attachment than jobs using only a single clamp. Finished in black enamel.

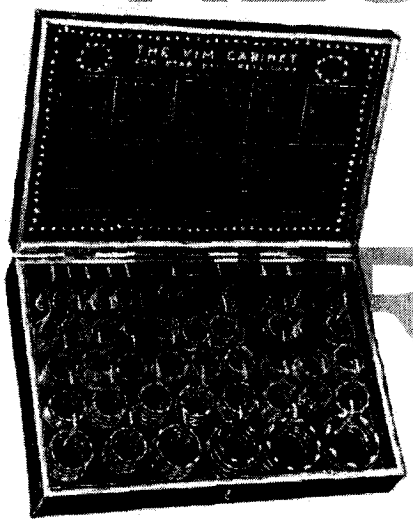
FX-5533—Each, **$ .65**

COASTER BRAKE STRAP

This will fit all brakes using such straps. Long slot makes it adjustable to the various sizes. Nickeled and fitted with screw and nut.

FX-5520—Each, **$ .10**

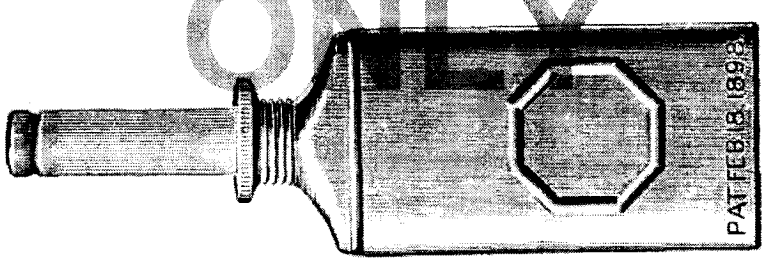
STAR BALL RETAINER ASSORTMENT



This assortment consists of one hundred ball retainers put up in a highly polished hardwood case in sizes most commonly used for bicycle and motorcycle repairs. The case was designed for the purpose of having as complete an assortment of ball retainers as possible. It is within easy reach of the repairman at all times so no time need be consumed in hunting for a ball retainer when wanted. A numbered space with a screw is provided for each size. On inside of cover is printed list showing the stock numbers of ball retainers used by the majority of motorcycle and bicycle manufacturers. Every repairman should have one of these ball retainer cabinets.

FX-5524—Complete with retainers, **$12.00**

NEORA OILER

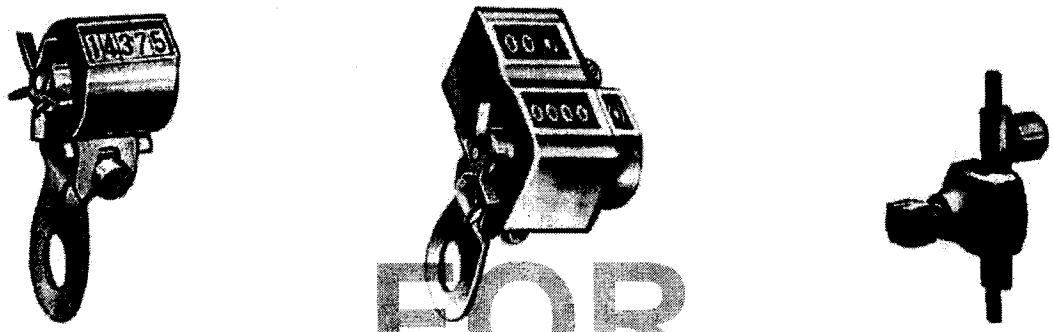


Occupies little space in tool bag yet holds sufficient oil for bicycle use. A very popular sized oiler. Furnished with needle point.

GX-5534—Each, **$ .15**

FOR RESEARCH PURPOSES ONLY

BICYCLE CYCLOMETERS



VEEDER REGULAR CYCLOMETER

An accurate instrument, dust and water proof registering up to 10,000 miles and showing each tenth of a mile. Figures are easily read from riders seat. Furnished for 28 inch wheels only.

FX-5210—Each, **$1.00**

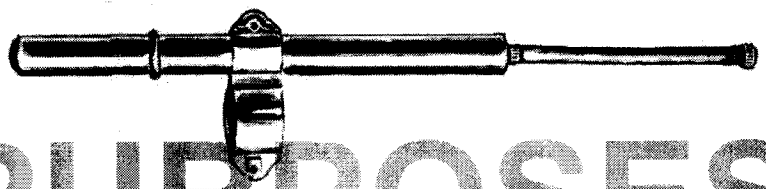
VEEDER TRIP CYCLOMETER

A double instrument mechanically and scientifically designed and accurately assembled. Trip numbers can be set at will and season register will show to 10,000 miles. One-tenth of mile shown on both faces. Supplied for 28 inch wheels only.

FX-5211—Each **$2.00**

FX-5212—Extra strikers for bicycle cylometer . . . . . **.15**

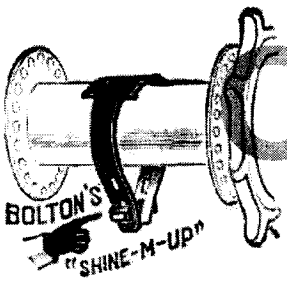
BRIDGEPORT BICYCLE FRAME PUMP



Made of seamless brass tube nickel plated. Has detachable pump and connections that screws into handle of pump. Furnished with clip to fasten to frame.

FX-5531—Complete . . . . . **$ .70**
FX-5531A—Extra bicycle pump hoses, **.10**

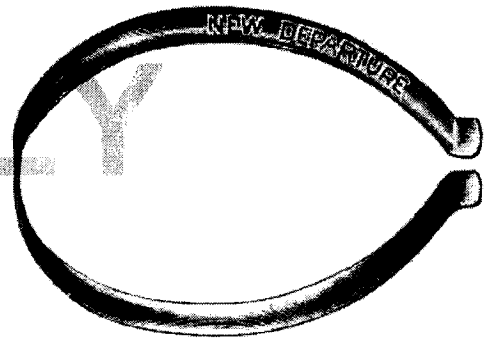
BOLTON'S SHINE-M UP STRAPS



Made of leather with small weight at bottom for bicycle hub coaster brakes. Keeps the hub bright and shining.

FX-5529—Each, **$ .10**

PERFECTION TROUSER GUARDS



This is a flat 7-16 inch wide guard of special tempered steel finished in black enamel.

FX-5400—Per pair, **$ .05**

FOR RESEARCH PURPOSES ONLY

DUCK TROUSER PROTECTORS

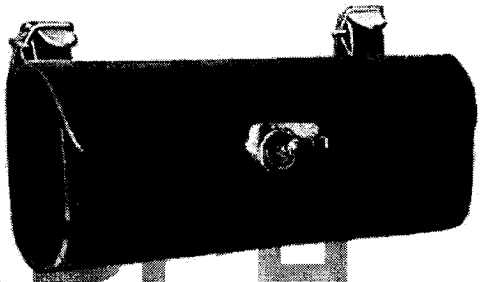
Made of brown duck bound around the edge with a heavy brown tape. Made so that a regular style trouser guard can be slipped into the outer edge which forms the duck into a circle. It can then be applied as a guard and protects the bottom of the trousers from oil, dust, etc. Designed as a bicycle guard but will be found very convenient for motorcyclists who do not wear leggings.

GX-5401—Per pair with steel guard, **$ .25**

No. 15 METAL END TOOL BAG

This is a high grade tool bag in every respect. Length 7 inches.

FW-805—Brown Elk Grain Leather, **$ .75**
FW-806—Black Heavy Grain Leather, **.75**



No. 8 TOOL BAG

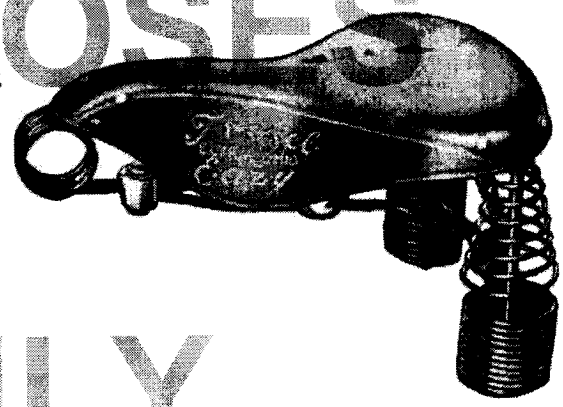
A good bag at a reasonable price. Made of split leather. Length 8 inches, width, 3¾ inches.

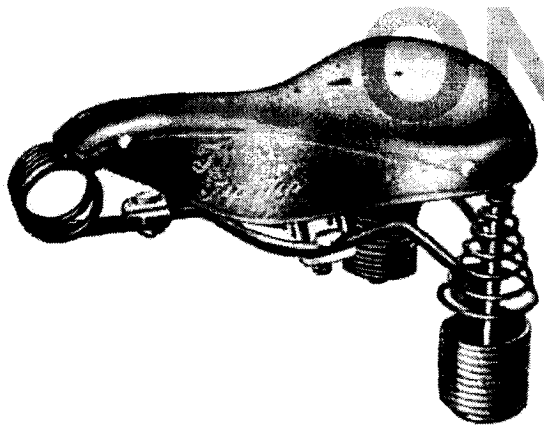
FW-807, $ .40

TROXEL EASY SPECIAL SADDLE

A saddle of very graceful lines. This is the finest bicycle saddle made. Equipped with the well known Troxel spring action and fitted with flat steel trusses. Length 10½ inches, width 8½ inches.

FW-802, $4.00



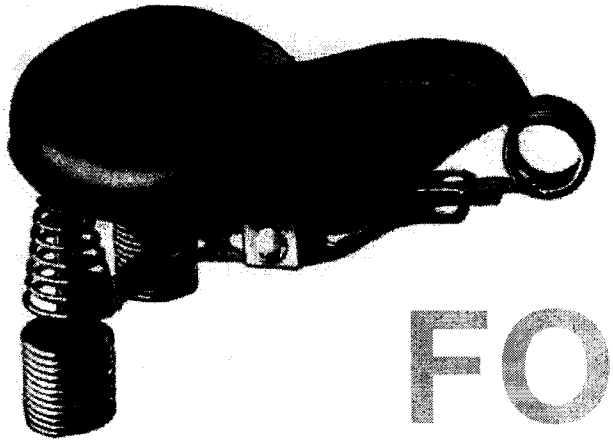


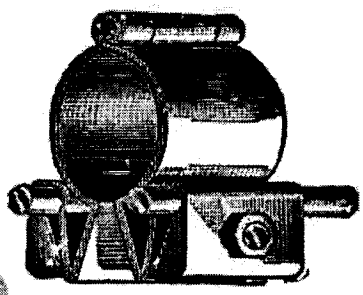
TROXEL TIP-TOP

This fills a demand for a smaller suspension saddle. It is as good as it looks.

FW-801, $2.50

FOR RESEARCH PURPOSES ONLY





FOR

CHALFANT CLAMP

This clamp is especially designed so that a low saddle position can be obtained by clamping the saddle to the top bar of the bicycle frame. One size only.

FX-5519—Price each, $ .50

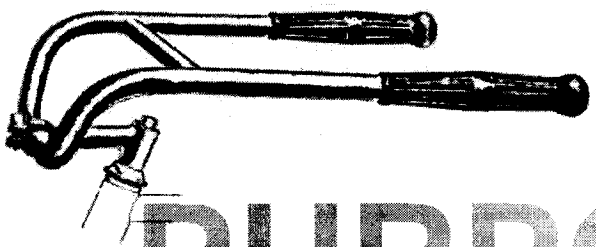
TROXEL MOTOR BIKE No. 2

This is a big seller. Top is hair padded and formed over 5 ply wood veneer face. A light but very strong saddle.

FW-800, $4.00

RESEARCH

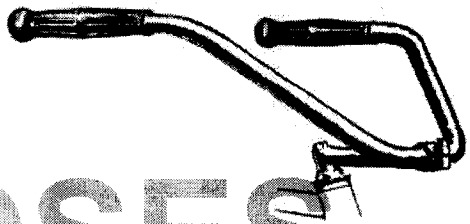
SHELBY MOTOR BIKE HANDLE BAR



Here is the bicyclists' favorite bar. It is the strongest, safest and most distinctive bar on the market. Top width, 20½ inches; drop, 4 inches; grips, 10 inches straight. Stem:—Diameter, ⅞ inch; length overall, 4 inches; extension, 4¼ inches forward, 1 inch downward.

FW-704P—Without grips.....$3.00

MOTORBIKE HANDLE BAR



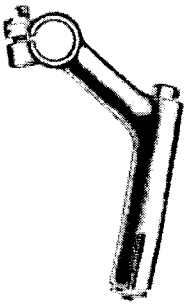
PURPOSES

This bar is patterned after the regular motorcycle bar and for that reason it very popular.

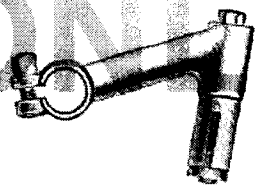
FW-707–Top only without grips, **$1.25**

HANDLE BAR STEMS

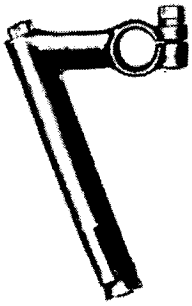
ONLY



FX-5419



FW-709B



FW-709A

FW-709A—2½ inch Extension, ⅞ inch Expander.	$ .50
FW-709B—4½ inch Extension, ⅞ inch Expander.	.90
FW-709C—Straight, ⅞ inch Expender.	.40
FX-5419—Gooseneck Extension, ⅞ inch Expander.	.50

BICYCLE HANDLEBAR GRIPS

BULL DOG STITCHED LEATHER

Motor bike design made with wooden core and covered with heavy leather. The seams fit into curves in the wood leaving a perfectly smooth outer surface. Nickeled ferrule. 5½ inches long, ⅞ iuch hole.

FX-5405—Per pair, **$ .50**

STITCHED LEATHER

Wooden core covered with best leather stitched on. The seam fits snugly into a curve in core leaving a perfectly smooth surface.

GX-5404—Per pair, **$ .40**

BOY SCOUT CORRUGATED

These grips are the same shape and style as the motorcycle grips except that they are heavily reinforced with fabric only and do not have the steel reinforcement.

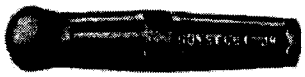
FX-5406—Per pair, **$ .50**

BOY SCOUT SENIOR

Made with an inner lining of fabric throughout and reinforced in center with woven steel. Designed after the motorcycle grips but with ⅞ inch hole to fit bicycle handlebar.

FX-5412—Gray, per pair, **$ .60**

VITALIC BOY SCOUT JUNIOR



Made on the same order as the Boy Scout Senior but 6 inches long.

FX-5407—Gray, per pair, **$ .50**

KEYSTONE MOTOR BIKE

These grips are the same shape and style as the Vilatic Boy Scout except that they are heavily reinforced with fabric only and do not have the steel reinforcedements. 6 inches long.

FX-5408—Per pair, **$ .40**

LEATHER WRAPPED—WHITE TIP

Wooden core bound with leather, polished wood tips in natural finish.

FX-5410—Per pair, **$ .15**

LEATHER WRAPPED—RED TIP

Same as FX-5410 except tips are stained red.

FX-5411, $ .18

ENDURO

This grip has been especially designed to take the place of the wooden and leather wound grips. Made of a good grade of rubber reinforced with fabric. Furnished in black, red or white.

FX-5409—Black, per pair		$ .25
FX-5413—Red, per pair		.30
FX-5414—White, per pair		.35

FOR RESEARCH PURPOSES ONLY

DUTCH BRAND BICYCLE RUBBER CEMENT

The Dutch brand cements are made of the finest grade of pure para rubber combined correctly with the highest quality chemicals obtainable. Tubes are closed by means of a patented clamping system and are guaranteed against leakage and evaporation.

GX-5162—$^3/_4$ inch by 4 inch tube. **$ .05**

DUTCH BRAND HEAL-O

This is an absolutely reliable preparation for sealing small punctures without the use of a plug and also for holding plugs in place.

FX-5182—$^3/_4$ inch by 4 inch tube **$ .10**

DUTCH BRAND TIRE FLUID

Stops leaks in tires. Will not crystallize, freeze or decompose so it is suitable for use in all climates.

FX-5184—4 ounce tube, enough for one tire, **$ .25**

Put up one dozen in flat display box.

TIP-TOP SHOP RUBBER CEMENT

Nothing better for shop use. The repair man has long been seeking a rubber cement which he can use for all purposes in his shop regardless of conditions. Tip-Top does the work.

FX-5162A—Quart size cans, **$1.50**

DUTCH BRAND TIRE BINDER SHELLAC

This is a solution of the finest orange shellac unmixed with resins or foreign gums of any kind. Always ready for use. Binds tire to rim and keeps it there. Nothing better for cementing tires to new rims.

FX-5359—Two ounce bottle . . . . . **$ .20**

DUTCH BRAND RIM CEMENT

A reliable cement for attaching single tube bicycle tires to wood or steel rims.

FX-5361—Two ounce bottle . . . . . **$ .10**

FX-5361A—$^3/_4$ inch by 4 inch tube . . . . . **.05**

FX-5361B—Quart size can **1.00**

DUTCH BRAND NEVER CREEP HARD TIRE CEMENT

This is a very elastic hard cement guaranteed not to powder up under the tires. Can be used with confidence of getting perfect results. Exceptionally clean. Will not discolor tire.

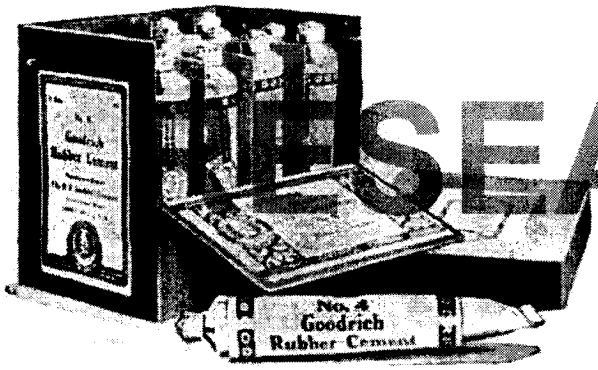
FX-5532—Five pound tin boxes, **$2.00**

GOODRICH JIFFY SOLUTION

A special heavy quick drying solution for repairing small punctures in bicycle single tube tires, also for cementing plugs.

FX-5183—¾ inch by 4 inch nozzle tip tube . . . . . **$ .10**
FX-5183A—Jiffy outfit including tool and ½ by 2½ inch tube of solution, **$ .30**

GOODRICH No. 4 CEMENT



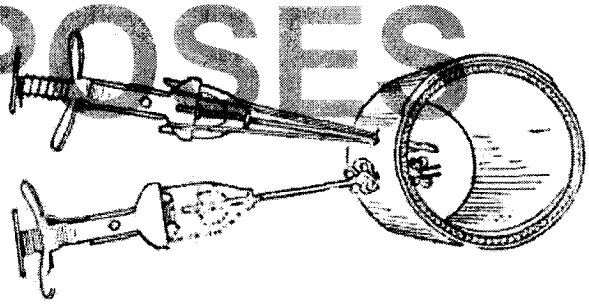
This is a medium heavy, quick dry pure gum cement and is especially recommended for those desiring a good cement for all around use.

GX-5162—¾ inch by 4 inch tube **.10**

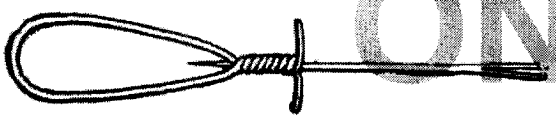
HUDSON QUICK ACTION RUBBER BAND TOOL

This is an unique but practical tool. Inserts the band automatically. Repair can be made in a few moments with the use of a few rubber bands, a little cement and this tool.

FX-5512—Each, **$ .20**



CURTIS RUBBER BAND TOOL



A handy, inexpensive tool for repairing single tube tires with rubber bands.

FX-5513—Each, **$ .10**

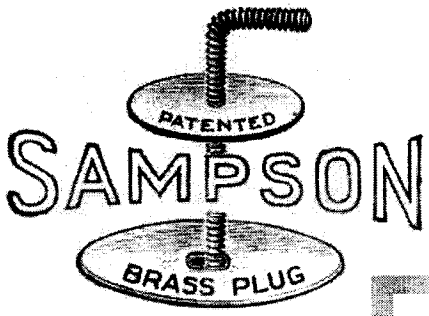
PURE PARA RUBBER BANDS

Made from live, clean stock rubber to be used in connection with rubber band tools for repairing and plugging single tube bicycle tires. As No. 12 seems to be the most practical size we are supplying this only.

FX-5502—¼ pound box, each **$1.20**
FX-5503—Pound box, each **4.50**

FOR SEARCH PURPOSES ONLY

SAMPSON'S BRASS PLUGS



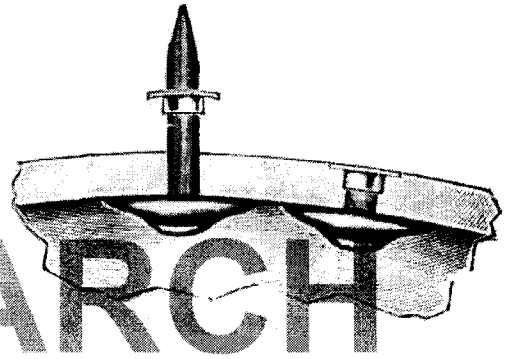
This plug is made of brass and will make a positive, permanent repair in any kind of tire. It works on the same principle as a shoe valve, and is a necessity where tires have been treated with Neverleak. Made in three sizes:—small, medium and large.

FX-5504—Small, per dozen **$1.20**
FX-5505—Medium, per dozen **1.20**
FX-5506—Large, per dozen **1.20**

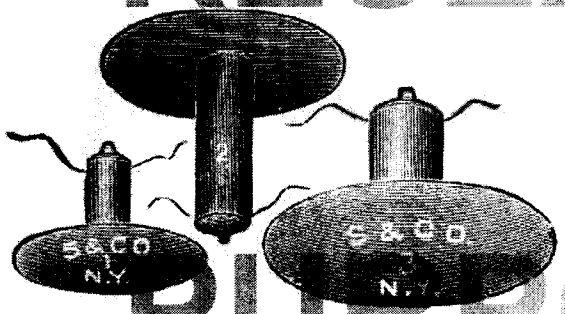
VOSBURGH COMBINATION PLUGS

Made of pure rubber with brass retaining plate to keep plug in place and prevent wear on edge of hole. Especially good for repairing cheap tires or those in which anti-leak solutions have been used. Made in small, medium and large.

FX-5507—Small, per dozen **$1.00**
FX-5508—Medium, per dozen **1.10**
FX-5509—Large, per dozen **1.40**



STEVENS STRING PLUGS



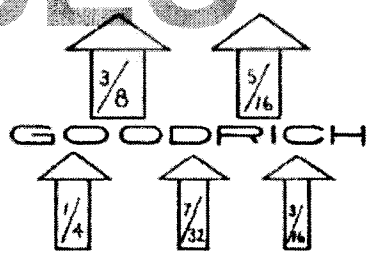
Made of a high quality of rubber and will take cement better than the average plug. More convenient to handle than an ordinary plug as the string provides something to hold to. Carried in two sizes only: small and medium.

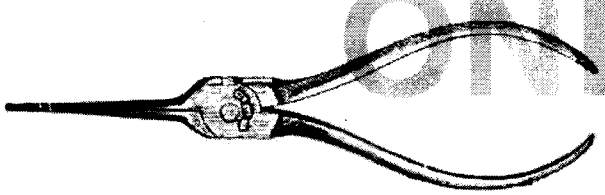
FX-5510—Small, per dozen ..... **$ .30**
FX-5511—Medium, per dozen ..... **.48**

GOODRICH UMBRELLA PLUGS

A pure rubber plug with solid stem and umbrella shaped head which makes it very easy to insert into tire.

FX-5163A—3-16 inch stem, per dozen ..... **$ .15**
FX-5163B—7-32 inch stem, per dozen ..... **.15**
FX-5163C—¼ inch stem, per dozen ..... **.20**





FORGED PLUG PLIERS

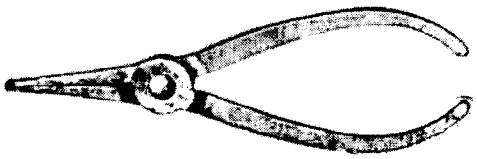
These pliers are made from forged steel and are tempered. The jaws are polished.

FX-5522—Per pair **$1.00**

PRESSED STEEL PLUG PLIERS

These are inexpensive pliers, but do the work they are made to do.

FX-5522A—Per pair ..... **$ .10**



FOR RESEARCH PURPOSES ONLY

DUTCH BRAND CYCLE OIL

An extra high quality oil compound. Will not gum up, dry out, collect dust or dirt to clog the most delicate bearing. May be used for lubricating the most delicate machinery. Lubricates, pllishes and prevents rust.

FX-5358—Two ounce bottle, **$ .10**

DUTCH BRAND STICK GRAPHITE

Made of pure pulverized graphite compounded with the finest lubricant. Specially tempered by new scientific process.

FX-5356—Stick size 7/8 inch by 2 7/8 inch, in tinfoil . . . . . **.05**

DUTCH BRAND BALL BEARING COMPOUND

This compound stays and lubricates until entirely consumed by friction. Finest lubricant for coaster brakes on the market. Not affected by the weather.

FX-5357—One ounce box . . . . . **$ .10**

CHAIN—O—LENE

The new chain lubricant and preservative which is not graphite. Will not drip or throw. Insures smooth easy riding reduces friction and keeps your chain rolling in a film of oil.

FX-5363—Bicycle size, **$ .10**

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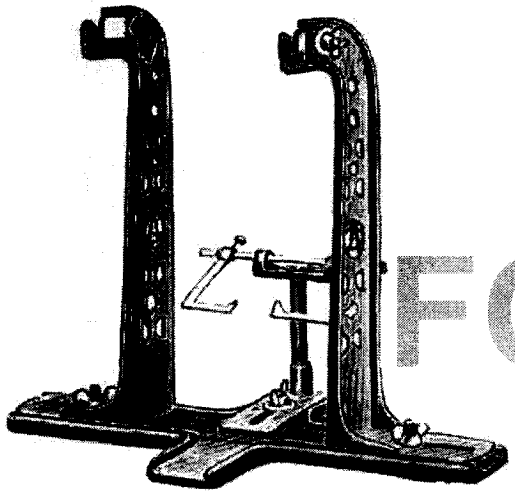
DUDLEY'S TRUING STAND

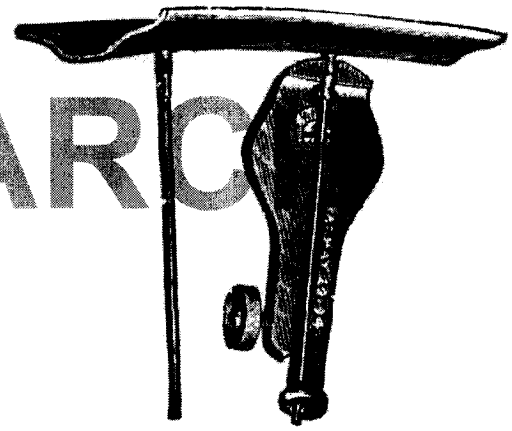


A practical device for repairing and truing bicycle wheels.

FX-5525, $10.00

FOR

PERFECT NIPPLE GRIP



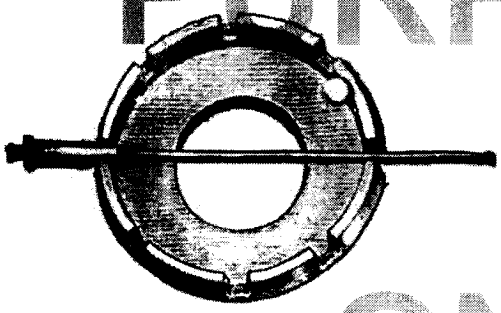
A perfect grip that is adjustable. A slight turn of the thumb screw insures a perfectly tight hold. Made in three sizes.

FX-5514—Small size, ... $ .70
FX-5515—Medium size ..... .80
FX5516—Motorcycle size 1.00

RESEARC

PURPOSES

TAGGAR' NIPPLE GRIP



Pressed up from heavy sheet steel and milled to fit all sizes of nipples perfectly. Finely nickel plated and polished. A good inexpensive grip.

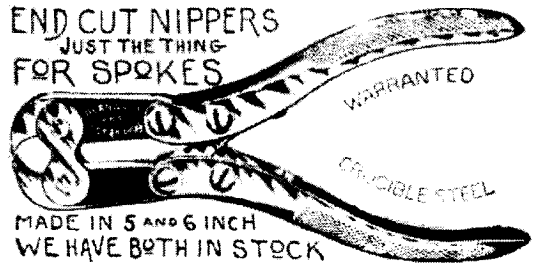
FX-5517—Price each, $ .20

ONLY

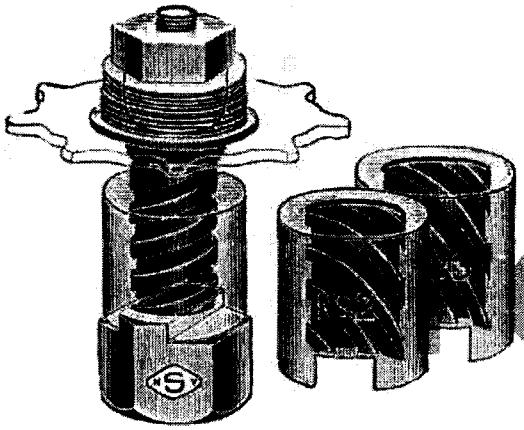
END CUT NIPPERS

This nipper has narrow jaws especially adapted for cutting the ends of spokes. Should be in the tool equipment of every well conducted repair shop. Carried in the 5 inch size.

FX-444 —Per pair, $2.00



COASTER BRAKE SPROCKET REMOVER



This tool removes the tightest sprocket without danger of injury to any of the parts. The sprocket with its worm is screwed into a broached bushing fastened loosely by a bolt running through it. The tool is then clamped in a vise and sprocket can be removed or replaced without difficulty. A set includes three bushings which fit all coaster brakes.

FX-5523—Complete, **$2.00**

CONE PLIERS

These are a special drop forged cone plier that should be in every bicycle and motorcycle shop. They are 7½ inches long overall. The long thin jaws ⅛ inch thick are made especially to grasp large and small lock nuts, etc., where there is only a narrow space to get at them.

FX-442—Per pair, **$1.00**

BRAZIERS CLEANING BRUSH

Used for removing hot smelter. It does away with cold filling and is indispensable to bicycle, motorcycle and automobile repairmen. Three rows of round tempered steel wire 1⅛ inch long. Wire drawn.

FX-438, $ .70

FILE CLEANING CARD OR TIRE ROUGHNER

Made with a substantial wood base handle, wire bristles for cleaning the finest of files and for roughening inner tubes, for patching or vulcanizing. Length overall 8½ inches. Brush part 4½ inches long.

FX-439, $ .25

BICYCLE CHAIN BRUSH

This is an especially made narrow brush for cleaning bicycle and motorcycle chains. The handle is bent making it easier to use. Two rows of black bristles, wire drawn. Best quality.

FX-440, $ .25

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Harley-Davidson Accessories

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Harley-Davidson Accessories

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MOTOR HARLEY-DAVIDSON CYCLES TRADE MARK

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Harley-Davidson Motor Co.
Milwaukee, Wisconsin

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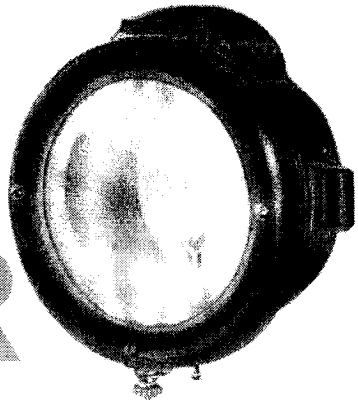
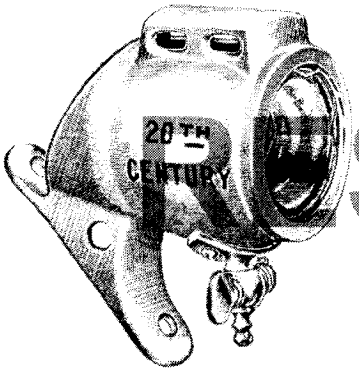
Harley-Davidson Motorcycle Headlamp



This gas headlamp embodies the best and latest ideas in lamp construction and design. The body and front flare is drawn from one piece of extra heavy gauge metal. Heavy rolled door with hinge and catch. Pressed steel side props 7 inches between centers. 5½ inch mirror reflector and adjustable focus burner, consuming one-half foot of gas per hour. Silvered bezel reflector in door. Finished in black only.

GK-173A.....$4.25



Twentieth Century Tail Lamp

One piece type of heavy, carefully inspected aluminum. Pet cock will not leak. Burner easily removed as it is fastened to pet cock plate. White semaphore lens on front side to illuminate number plate and red semaphore lens on rear. Highly polished.

GK-174.....$1.50

Solar Gas Tail Lamp

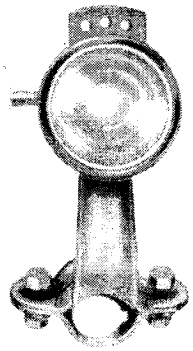
The lamp body proper is made of an aluminum casting. The bracket is of pressed steel which allows for the attaching to mud guard and provides for the number plate. Fitted with 2 inch red semaphore lens. Wire screen in bottom of lamp provides ventilation and allows for illumination of number. Gas cock projects from side of lamp so that Prest-O-Lite tank can be attached to luggage carrier without interference.

JK-174.....$1.60

Solar Gas Sidecar Lamp

Especially designed to fit the outside member of Harley-Davidson sidecar chassis. The aluminum casting is the same as used in the gas tail lamp. Equipped with a 2-inch white semaphore lens in front and a red jewel in rear, with wire screen in the bottom of lamp for ventilation.

FK-1123A.....$1.50



FOR RESEARCH PURPOSES ONLY

"KAY BEE"

KING of MOTOR LIGHTS

Exclusive Features: A ball switch at the handle that turns the light on or off at a quarter turn.

Brass swivel joints, permitting side turning or elevating of light.

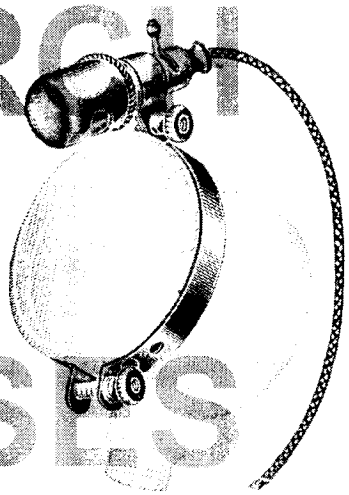
A special steel bracket adjustable to fit any type of motorcycle. Convex glass lens with special Kay Bee reflector.

Each lamp is individually tested for power and mechanical perfection at the factory and is focused properly.

Lamp may be detached from bracket for portable use.

HX-17 . . . . . $5.00

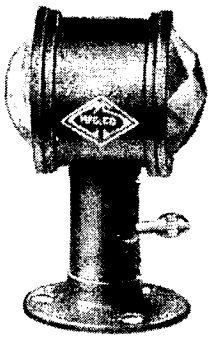
Speedometer Lamp



This lamp is very substantial, well finished and easily attachable to any make of speedometer. Made entirely of brass — heavily nickeled—will not rust. All parts are accessible. The socket and bulb may be taken off instantly and used as an inspection lamp. Made for the single contact system and provided with switch. Furnished with 18-inch cord.

GX-19 . . . . . $1.50

Electric Sidecar Lamp



Here is a new design for a sidecar lamp, which we believe, is more practical than any other on the market. It can be attached to several places on the sidecar body at the option of the user. Two convenient locations are just ahead of the sidecar door or directly back of it. It is fitted with a white lens in front and a red lens in the rear and is provided with a switch so light may be turned off if not wanted.

KQ-216	Lamp only	$1.25
KQ-198T	Lamp with wiring for single passenger sidecars	2.10
KQ-344T	Lamp with wiring for double passenger sidecars	2.25

FOR RESEARCH PURPOSES ONLY

Kay Bee Spotlight Parts

Factory No.	Name	Price
HX-59	Glass	$ .35
HX-60	Glass ring	.70
GO-148	Glass ring screw	.01
HX-62	Old style reflector	1.50
IX-62	New style reflector	1.50
HX-63	Switch type socket complete	.90
HX-63A	Ball switch only	.45
HX-63B	Socket tube only	.20
HX-63C	3/8 inch wood screw	.05
HX-64	Socket inserts	.25
HX-65	Connector plug with cap	.50
HX-65A	Connector plug only	.35
HX-65B	Connector plug cap	.15
HX-66	Switch handle (old style lamp)	.15
GO-129	Focusing screw	.01
HX-68	Old Style brass swivel (single ear)	.30
IX-68	New Style brass swivel (dble. ear)	.30
HX-69	Swivel nut and link	.25
HX-69A	Set fibre washers	.02
IX-69	Swivel clamp screw	.25
HX-70	Motorcycle bracket complete	1.15
HX-71	Bracket clamp screw	.20
HX-72	Bracket swivel screw	.20
HX-74	Twisted lamp cord, per foot	.05

Gas Head Lamp Parts

Factory No.	Name	Used on	Price
DX-51	Headlamp door	H. D. No. 2 and Old Reliable	$2.00
DX-53	Headlamp door	H. D. No. 1, H. D. No. 3, X-Ray	2.00
KX-53	Headlamp door	New X-Ray	2.50
DX-76	Headlamp door	156 Solar	2.00
DX-56	Door glass 8 inches	H. D. No. 2 Old Reliable, 156 Solar	.40
DX-58	Door glass 7½ inches	H. D. No. 1 H. D. No. 3, X-Ray	.40
JX-1201	Door glass 6⅛ inches	New X-Ray	.25
DX-60	Door glass retainer	H. D. No. 2, Old Reliable	.20
DX-62	Door glass retainer	H. D. No. 1, H. D. No. 1, X-Ray	.20
KX-62	Set of 4 bolts, nuts and lock washer for holding bexel and lens in door	New X-Ray	.20
DX-86	Door glass retainer	156 Solar	.20
DX-64	Silvered bezel reflector for door	H. D. No. 2, Old Reliable	.70
DX-65	Silvered bezel reflector for door	H. D. No. 1, H. D. No. 3, X-Ray	.70
KX-65	Silvered bezel reflector for door	New X-Ray	1.00
DX-91	Silvered bezel reflector for door	156 Solar	.90
KX-52	Hinge complete	All Harley-Davidson and X-Ray	.30
KX-52A	Hinge pin only	All Harley-Davidson and X-Ray	.08
KX-57	Door lock complete	All Harley-Davidson and X-Ray	.25
DX-55	Knurled nut for door lock	All H. D. Lamps and X-Ray	.25
DX-80	Knurled nut for door lock	156 Solar	.25
GX-54	Catch for door lock	All H. D. and X-Ray	.55
DX-67	Mirror 5½ inches	H. D. No. 1, Old X-Ray	1.00
KX-67	Mirror 5½ inches	New X-Ray	1.00
DX-68	Mirror 8 inches	H. D. No. 2, H. D. No. 3 Old Reliable and 156 Solar	1.50
DX-70	Mirror clamps and screws	H. D. No. 2, H. D. No. 3, Old Reliable	.20
DX-72	Mirror clamps and screws	H. D. No. 1, X-Ray	.40
KX-72	Ring for holding mirror	New X-Ray	.40
KX-62	Set of 4 bolts, nuts and washers for holding mirror ring	New X-Ray	.20
DX-101	Mirror retaining ring	156 Solar	.10
KX-61	Hose nipple	New X-Ray	.15

Gas Tail Lamp Parts

Factory No.	Name	Price
GX-47	Gas Chamber for 20th Century	$ .40
GX-48	Red semaphore, 1¾ inch for 20th Century	.20
DX-1231	Red glass, 2 inch for Solar	.35
GX-49	White moulded glass, 1¾ inch for 20th Century	.15
DX-1241	White glass, 2 inch for Solar	.35
GX-50	Glass retainer, 1¾ inch for 20 Century	.05
DX-1232	Glass retainer, 2 inch for Solar	.12
DX-112	Door for Solar	.10
DX-113	Gas valve for Solar	.60
BO-20B	Screw holding tail lamp to mud guard	.01
BO-652B	Nut for BO-20B	.01
BO-6B	Gas chamber screw for 20th Century	.01

Electric lamp parts are listed in our regular parts price list.

For price of burners, see page 6 of this catalog.

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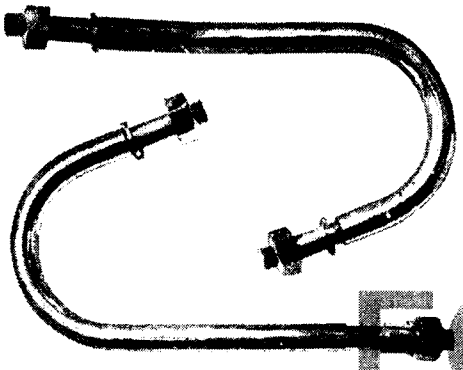


Harley-Davidson Gas Lamp Brackets

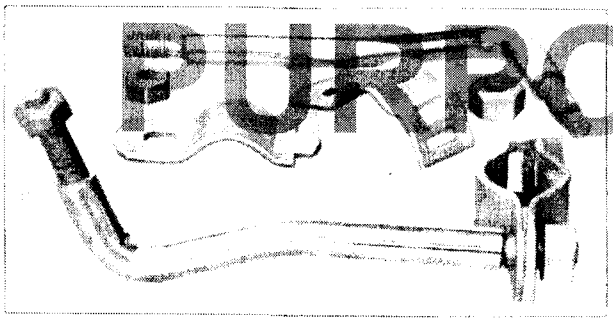
Made of a special high carbon steel, bent to shape and heat treated by our special process. This makes the strongest bracket possible. Don't confuse with rolled steel brackets which are sometimes sold as genuine Harley-Davidson brackets.

DK-2003B	For 61 inch models	$ .90
KK-2003D	For 1922 74 inch models	.90
AWK-1117	For sport model	.90
DK-2008	For solar lamps	.50

Harley-Davidson Lamp Bracket Brace

This brace is designed to prevent vibration of the Harley-Davidson lamp brackets when fitted with a heavy lamp.

GK-1154B . . . . . $ .30



Bent Lamp Brackets

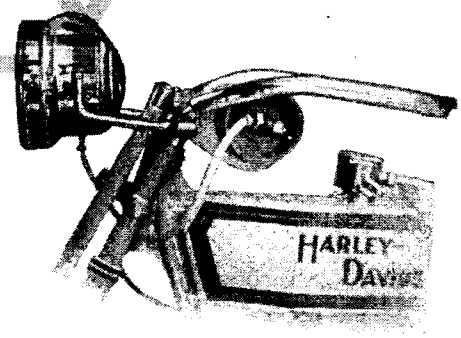
Fits gas lamp with short bracket support.

DX-26 . . . . . $ .50

Bison Lamp and Tank Bracket

This combination bracket provides for the attaching of the lamp and Prest-O-Lite tank on the handlebars. The lamp brackets are made of the best quality cold rolled steel, nickel plated. The tank bracket is made of malleable steel. Two clips hold the tank securely in place permitting its removal for replacements without loosening bracket.

DX-31 . . . . . $2.50



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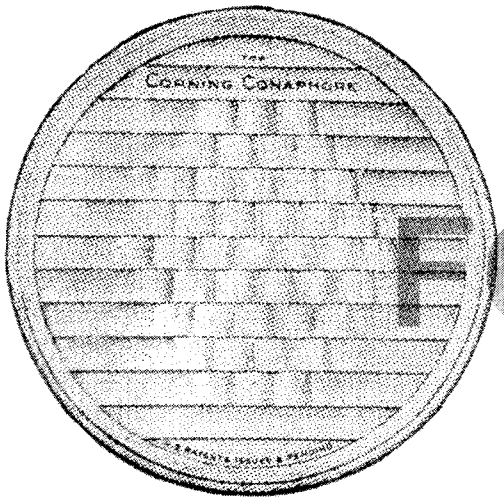


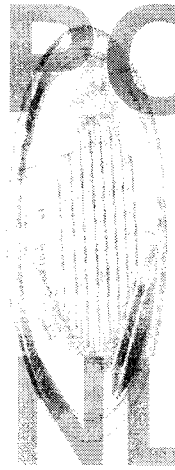
CONAPHORE

A scientific headlight glass made by the world's largest manufacturers of technical glass. Made in two kinds, Clear and the Noviol. Gives the headlight a range of at least 300 feet when a 21 candle power bulb is properly focused. Eliminates the glare, and complies with the lighting regulations in most states.

The Noviol penetrates fog or smoke so you can easily ride 25 miles an hour under adverse weather conditions.

FX-12C—Clear 6½ inch to fit Solar electric head lamp	$ .80
FX-11A—Noviol 6½ inch to fit Solar electric head lamp	1.20
IX-12C—Clear 6⅝ inch to fit 1920 electric head lamp	.80
IX-11A—Noviol 6⅝ inch to fit 1920 electric head lamp	1.20
JX-12C—Clear 6⅛ inch to fit 1921 and 1922 head lamp	.80
JX-11A—Noviol 6⅛ inch to fit 1921 and 1922 electric head lamp	1.20

National Lens



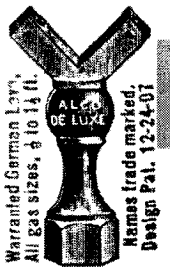
The National is a reasonably priced lens which provides legal protection through a diffused light. The shape of the beam is somewhat narrower than the Conaphore but is extremely intense, it being thrown on the road high enough to permit fast night driving without causing glare.

KX-13A—6½" Clear	$ .25
KX-13C—6⅛" Clear	$ .25

FOR RESEARCH PURPOSES ONLY

Alco Acetylene Lamp Burners

Every ALCO burner is made from the finest grade of imported steatite, and each one is actually lighted and tested four times under acetylene gas before leaving the factory. Unhesitatingly, the manufacturer guarantees each burner to be absolutely perfect as to flame alignment and gas consumption.



Alco De Luxe

The highest candle powered and most durable burner made.

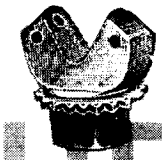
Pillar is 1¼ inch high. Burner over all 1¾ inch. Can be used in No. 1, 2 and 3 Harley-Davidson lamps.

DX-36—½ ft. . . . . $ .25

Alco Hexo

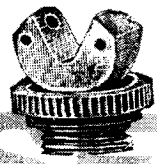
Turned Hexagon Pillar ¾ inch high. Burner over all 1¼ inch. Used in Solar No. 195 and 156.

DX-37—⅜ ft. . . . . $ .25



For old 20th Century Tail Lamps.

FX-40 . . . . . $ .20



For Solar Tail Lamps and Solar Bicycle Lamps.

IX-40 . . . . . $ .25

Cyco No. 777

Air Holed Alco Bike Tip mounted in round pillar ¾ inch high. Burner over all 1 inch. Can be used in 20th Century and Fidelity tail lamps.

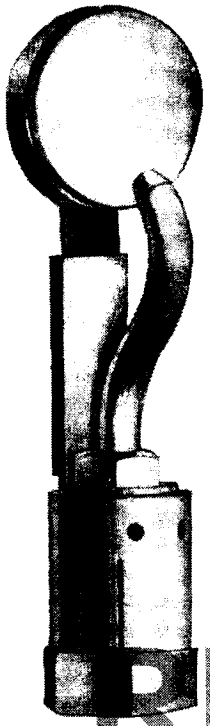
DX-40—½ ft. . . . . $ .15

Alco No. 12

Genuine imported Lava Pillar 1¼ inch high. Burner over all 1¾ inch. Can be used in all large lamps.

DX-38—¾ ft. . . . . $ .20
DX-39—⅞ ft. 20

FOR RESEARCH PURPOSES ONLY



Brilliant Burner

This burner gives three times as much light as a standard burner with the same gas consumption. Rated at 60 candle power, consuming from ⅜ to ⅝ cubic feet of gas per hour depending on the amount turned on. Gives an intense light with a broad beam. Can be turned down when bright light is not desired. This should be used whenever a non-glare device of any kind is fitted to the headlamp.

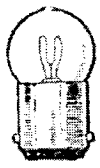
DX-41—Set of one burner with two extra buttons $2.00
DX-41A—Set of two burners with one extra button 3.00
DX-42—Extra button, per pair 1.00

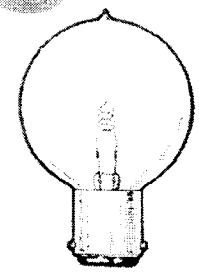
FOR RESEARCH PURPOSES ONLY

Electric Bulbs

Factory No.	Contact	Voltage	Candle Power	Filament Cons.	For	Price
DK-982	Single	6-8	2	S3	Dimmer, tail lamp and speedometer lamp	$.28
*KK-982	Single	6-8	2	C6	Tail lamp	.42
HX-43	Double	6-8	2	S3	Sidecar lamp	.28
DX-45	Single	6-8	15	S4	Headlamp	.40
FX-45	Single	6-8	21	C2	Headlamp	.55
HX-44	Double	6-8	21	C2	Spotlight	.50

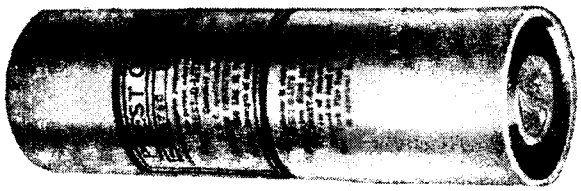
*NOTE—**KK-982-C6** type electric bulb is an improved tail lamp bulb with a fine coil filament extending in a gradual arc across filament supports. This construction has proven under thorough tests that it is unusually resistant to severe shocks. It is more durable—both in regard to ordinary road vibration and sudden shocks such as kicking up the stand, than the S-3 type which has a straight wire bent to form two loops between the filament posts.





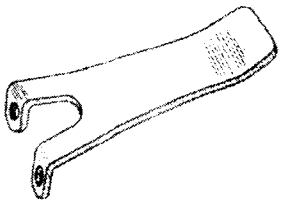
Wiring, Rubber Tubing and High Tension Cable

Factory No.		
DX-4	Old code fixture wire, per foot	$ .04
HX-74	Spot light wire, per foot	.05
DX-5	Small rubber tubing, 3-16 inch hole—¼ inch outside diameter, per foot	.06
DX-6	Large rubber tubing, 9-32 inch, ⅜ inch outside diameter, per foot	.08
GX-550	High tension cable (Magneto) per foot	.10
KX-550	High tension cable (Generator), per foot	.08



Prest-O-Lite Gas Tank

HK-203—Tank complete with gauge, bands, union and key . $13.00
CK-201—Tank only with key . . . 12.00
DX-128—Key 05
DX-129—Tank Union. 35



Prest-O-Lite Tank Supporting Brackets

With the use of this bracket a rider who prefers to place the Prest-O-Lite tank on the handlebar can do so and have a rigid support for it. The bracket is held by the triple clamp screws on the front fork. Two extra long screws are furnished with each bracket.

AK-200—1912 and earlier models, ... $1.00
DK-200—1913 to 1915 models, ... 1.00
EK-200—1916 and 1917 models, ... 1.00
GK-200—1918 models, ... 1.00
HK-200—1919-1922 models, . 1.00

Prest-O-Lite Tank Handlebar Bands

This set of bands is made in our factory for attaching the Prest-O-Lite tanks on the handlebars of our machines.

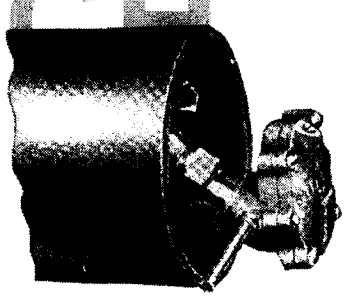
HK-726A . . . . . $ .70

Prest-O-Lite Automatic Reducing Valve

With this valve attached to the Prest-O-Lite tank you can turn on the gas as wide and as carelessly as you please—the pressure can never exceed the proper maximum.

Prevents waste and means greater convenience. Each valve fitted with a union and tail piece for hose connection.

DX-126 . . . . . $3.00

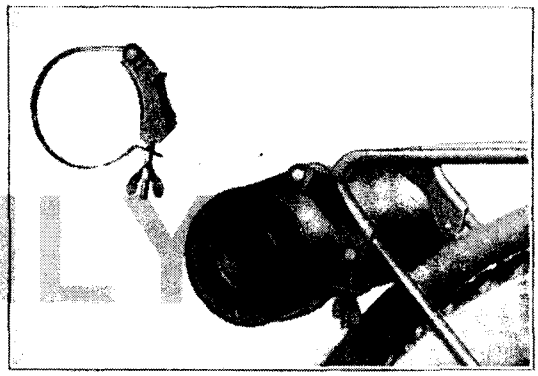


Pressed Steel Prest-O-Lite Tank Brackets for Luggage Carrier

Special bracket designed so that the Prest-O-Lite tank can be attached to the Harley-Davidson luggage carrier. ade entirely of pressed steel with the exception of the bolts and wing nuts which are drop forgings.

The inside of the clip fits the curve of the luggage carrier preventing the tank from slipping down. Small claws prevent the tank from tipping sideways when the band is tightened securely. The tank can be quickly removed and replaced by simply loosening the thumb nuts.

CN-40B — $1.25

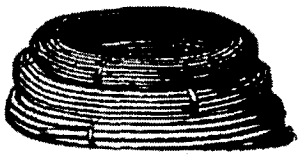


PARTS FOR CN-40B

CN-15	Prest-O-Tank Lock Shoe . . .	05	**CN-18**	Wing Nut	05
CN-16	Prest-O-Tank Clip	08	**CN-19**	Eye Bolt	12
CN-17	Prest-O-Tank Strap	22	**CN-20**	Short Pin	04
			CN-21	Long Pin	06

FOR RESEARCH PURPOSES ONLY

Copper Tubing



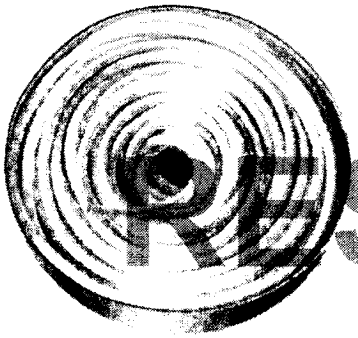
We find that the best results are obtained from 3-16 inch annealed copper tubing which is compact and large enough to supply the amount of gas necessary to light lamps. It is soft and pliable, but exceptionally strong and will stand a good deal of wear and tear.

DX-117—Per ft. . . . . $ .15

For those who prefer a smaller size, we also carry the 1/4 inch brass tubing.

IX-117—Per ft. . . . . $ .10

FOR

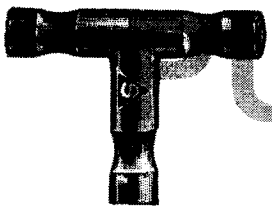


Rubber Tubing

This is a high quality rubber tubing for connecting gas lamps to Prest-O-Lite tanks and generators. It possesses unusual resiliency, strength, durability and does not easily kink. Has 1/8-inch wall and 5/16 inch hole.

DX-118—Per ft. . . . . $ .15

RESEARCH

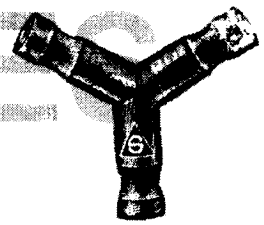


Gas Tubing Connections

A small well made brass connection to join the tubing so that gas can be supplied to both the head and tail lamp.

IK-723—T. . . . . $ 12
JK-731—Y. 12

PURPOSES

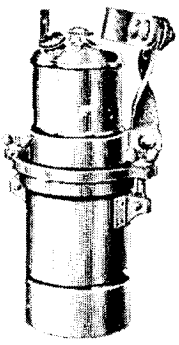


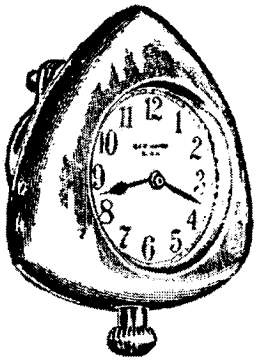
ONLY

Generator With Bracket

A sturdily built generator with bracket especially designed to fit the Harley-Davidson. Double clamp feature for fastening the carbide chamber to the water chamber enables the rider to quickly clean and recharge the generator after removing it from the motorcycle. Capacity 12 ounces of carbide. Will burn the Harley-Davidson No. 3 lamp or Solar lamp for about six continuous hours. Height 8½ inches, diameter 3¼ inches, weight 1 pound, 9 ounces.

IK-1099 For Big Twin Models $7.50
AWIK-1111 For Sport Model. 7.50





Nebo Motorcycle Clock

The Nebo motorcycle clock is the most reliable clock that we have tested. It is built to withstand the vibration of a motorcycle, being protected by a heavy case. The bracket will fit any handlebar and is locked by means of a special key, doing away with any chance of the clock being stolen. Highly nickel plated.

DX-431 ..... $4.00

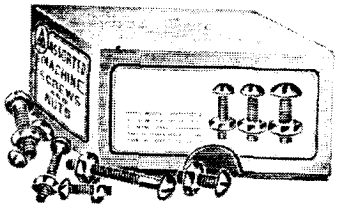
Nebo Motorcycle Clock with Luminous Dial

Motorcyclists who do considerable night riding will appreciate the luminous dial feature of the Nebo Clock. Regardless of darkness the figures are always bright and legible.

DX-431L $5.00

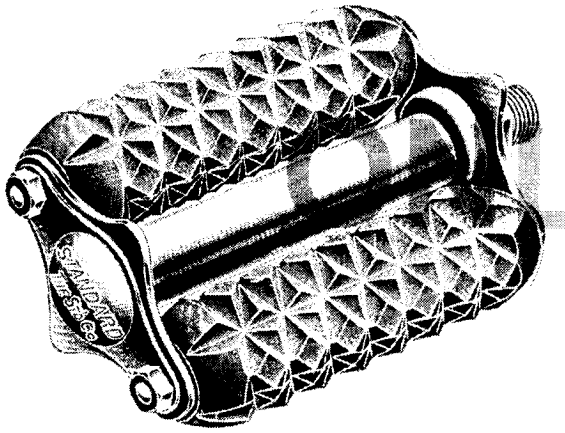
Round Head Nickeled Steel Screws and Nuts

The handiest assortment a bicycle and motorcycle repair shop can have. Used on toe clips, bells, mud and chain guard braces, lamps, mechanical horns, license brackets, tanks, etc. The assortment contains one-gross round head nickeled screws threaded 6-32, 8-32, 10-32 length 3/8 inch to 1½ inch, with nickled hexagon steel nuts to fit.



EX-409 ..... $1.00

Standard No. 3 Motorcycle Pedal



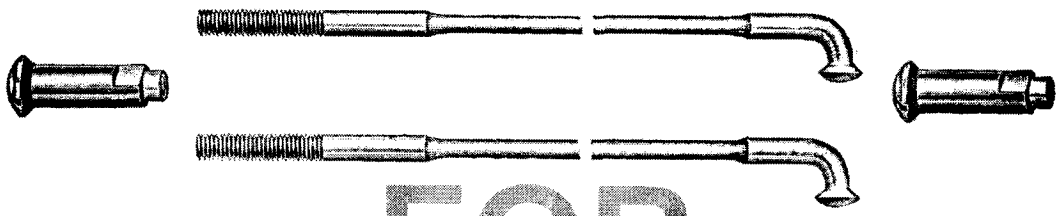
No. 3 MOTORCYCLE PEDAL

The standard No. 3 motorcycle pedal is unusually strong, having a specially treated, high carbon steel axle. It is fitted with rubbers of excellent quality that give long service.

FK-279B $2.00

FOR RESEARCH PURPOSES ONLY

Spokes and Nipples



These spokes and nipples are the same as were used for equipment purposes on the models listed. Nipples are not furnished unless specified on order.

Spoke No.	Nipple No.	For Model	Price
AF-76	AF-77	1908 to 1912	$ .06
BF-78	AF-702	1913 and 1914	.06
BF-78	DF-702A	1915 and 1916 (front wheel only)	.06
DF-79	EF-706	1916 rear wheels, 1917 to 1920 both wheels 1921 and 1922 front wheels only All sidecar wheels	.05
JF-79	EF-706	1921 and 1922 rear wheels only	.06
JF-79A	EF-706	All 1922 Big Twin models fitted with 26 inch wheels using oversize tires	.07
WGF-70	DF-702A	All Sport Models	.06
CK-78KT	DF-702A	All racing wheels	.06

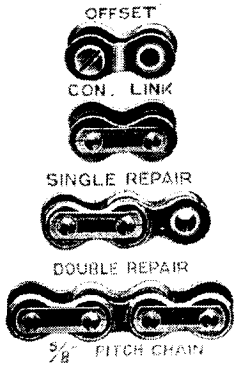
FOR RESEARCH PURPOSES ONLY

Duckworth Chains

Motorcycle chains are subjected to severe strains. Duckworth chains have stood the gruelling tests to which riders have put them, with remarkable results.

The tension strength is sufficiently high to prevent breakage, and "stretch" or wear of rollers, etc. is reduced to a minimum. Supplied in 25 foot lengths only.

HX-421	No. 170—3/8 inch wide—3/8 inch pitch—per ft.		$1.00
CX-420	No. 70—1/4 inch wide—3/8 inch pitch—per ft.		.85



Chain Links

	3/8 inch wide		1/4 inch wide	
Connecting link	DK-712	$ .13	AK-712	$ .12
Offset repair link	DK-315	.25	BK-315	.20
Single repair link	DK-317	.25	BK-317	.20
Double repair link	DK-316	.35	BK-316	.28
Roller block	DK-320	.10	AK-320	.09
Springs, per doz.	AK-319	.24	AK-319	.24

AK-32 Duckworth pedaling chain links, per set .10

Wright Spark Plugs

Over fifty inches of high grade mica is wound laterally on the core, making it the best insulated mica core on the market, capable of enduring any temperature changes or electrical voltages that it might be called on to withstand. Heavy 95 per cent nickel electrodes prevent the wire from being burned out.

CA-91—Metric **$1.00**
EA-93—7/8-inch S. A. E. **1.00**

FOR

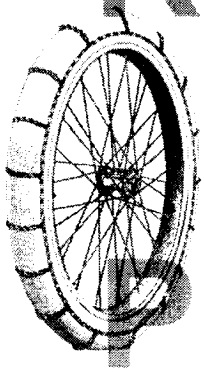
Control Wire

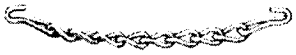
This wire is the same as used in our standard length control wire. Is made from the very best music wire available.

DX-415—1 lb. roll . . . . . **$ .80**
DX-416—5 lb. roll **3.75**

RESEARCH

Weed Motorcycle Tire Chains



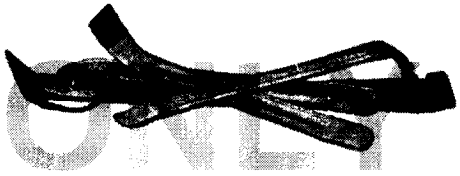


For the sake of your own safety and that of others traveling the streets and highways, use tire chains whenever the road surface is wet, muddy or icy. Weed chains are a good investment in safety and economy.

DX-185—Size 28 x 3 inch, ... **$2.50**
DX-186—Size 28 x 3 inch, Cross Chains, ... **.08**
DX-187—Size 28 x 3 inch, Chain Hooks, per set . . . . . **.55**

PURPOSES

Tire Tool Set



ONLY

Three tire irons, each seven inches long, of eighth-inch steel, thoroughly hardened, satin nickel finish.

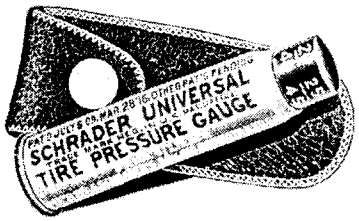
One special shaped iron starts the tire away from the rim and each of the other two digs under the bead of the tire, pulls the bead over the rim, and hooks on to a spoke, thus allowing free use of both hands to use the next tire iron.

Each set is packed in black enameled canvas kit.

DX-189—Per set . . . . . **$ .40**

Schrader Universal Tire Pressure Gauge

Nothing is so essential to the long life of tires as the proper inflation pressure. With the Schrader gauge correct pressure indication is assured.



DX-145— $1.25

Schrader Valve Caps

DX-146—Valve caps, $ .05
DX-147—Cap washers, .02

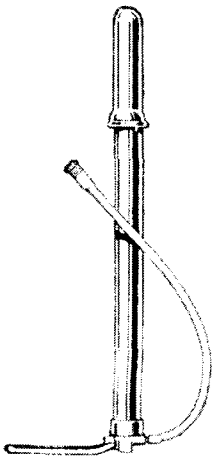
Schrader Valve Insides

DX-148— . . . . . $ .06

Schrader Universal Valve Repair Tool

This tool consists of a tap for tapping out the inside of the valve and also acts as a screw driver for removing the inside valve as well as a die for chasing threads on the outside of the valve. A reamer for smoothing off the top of the valve to allow washer and cap to fit perfectly is also a feature.

DX-149— . . . . . $ .35



Bridgeport Pump

This pump is made of seamless brass tubing with foot attachment, and is heavily nickel plated. Furnished with two spring clips. The hose fits inside the handle when not in use.

FK-98	—Complete with clips	$2.00
AK-98A	—Extra hose	.15
DK-98A	—Extra rubber washers for Austin pump	.10
FK-99	—Pump clips	.10

FOR RESEARCH PURPOSES ONLY

Firestone Cementless Patches

Most everyone is acquainted with the quality of Firestone products, and their cementless patches are no exception. Packed 10 patches in a box.

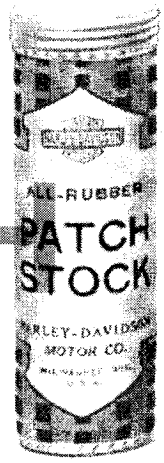
DX-155.....$ .40

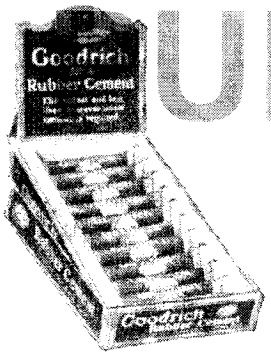
Harley-Davidson All Rubber Patch

Ever since inner tubes have been in use, owners have made their own repairs with a round or oval shaped rubber patch, cementing this patch to the part to be repaired.

The Harley-Davidson all rubber patch operates on the same principle only instead of being cut in round or oval individual patches, it is furnished in one long strip. This enables the motorcyclist to cut a piece of the material to fit the size of the puncture or blowout. A slit in a tube many inches long can be repaired. Each box contains a tube of cement and a section of emery paper.

GX-166—36 square inches, $ .50





Goodrich No. 4 Cement

A medium heavy, quick drying pure gum cement especially recommended for those desiring a good cement for all around use.

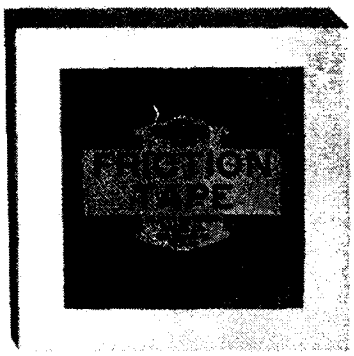
GX-162—¾ inch by 4 inch tube.....$ .07

Firestone Rubber Cement

This is the highest grade of rubber cement that can be produced. It is made of the finest grade of rubber combined with the purest of chemicals. Put up in ¼ pint press top cans.

IX-162 .....$ .20

FOR RESEARCH PURPOSES ONLY



Friction Tape

This is a high grade, reliable friction tape, ¾ inch wide, with exceptional adhesive qualities. Wrapped in tin foil and packed in individual cartons to prevent deterioration. Furnished in one, two, four and eight ounce rolls.

DX-176—1 ounce roll	$ 05
DX-177—2 ounce roll	.10
DX-178—4 ounce roll	.18
JK-210—8 ounce roll	.35

Hook-On Boot

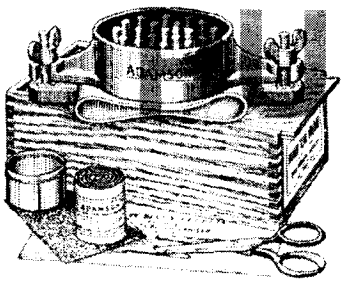
A well made perfectly fitting tire boot that can be applied by simply slipping the hook under the clincher of the rim. The hooks are all steel strongly riveted through all plies.

DX-170—3 inch . . . . . $ 50

Inside Blow-out Patch

These patches are made strong enough so that they will hold an ordinary blow-out without the help of an outside boot. It has two flaps which make it fit snugly around the bead and hold it securely in place.

DX-172—3 inch . . . . . $ 25



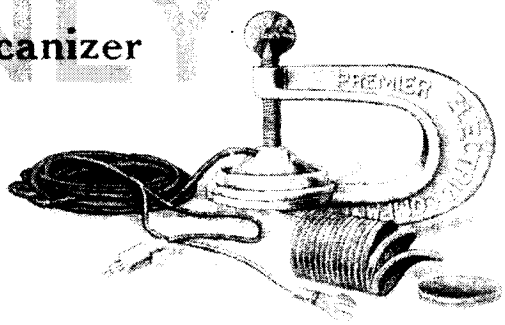
Model "T" Adamson Vulcanizer

This size is ideal for motorcycle tubes. It can also be used for automobile tube work. Makes a perfectly vulcanized repair in a very few minutes without the use of cement or acid. Complete directions with every outfit.

DX-196 . . . . . $1 75

"ITS-IT" Electric Vulcanizer

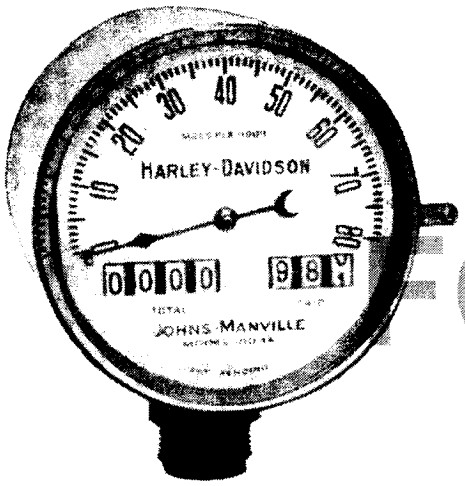
A simple, new device. No danger of fire. Only two parts a heating disc with a long, flexible cord and plug to fit switch box and terminal to ground to any metal part of the machine. Clamp holds disc in position. Simply plug in, connect terminal and leave current on for ten minutes. Does a fine, lasting job. Consumes extremely small amount of current.



IX-194 . . . . . $ 75

FOR RESEARCH PURPOSES ONLY

Johns-Manville Motorcycle Speedometer



The Johns-Manville motorcycle speedometer has proved by its performance in the past that it is the best motorcycle instrument of its kind being offered. It is simple, as the number of parts have been reduced to a minimum. There are no hair springs or magnets that severe jolting or rough riding can put out of order. The parts comprise merely a governor shaft, a worm drive, and odometer movement, and a small section for operating the indicating hand.

Centrifugal Principle Insures Accuracy

The design of the massive governor is such that it will be in running balance at all times, thereby eliminating the unsteady hand characteristic of so many other speedometers. While it is sensitive enough to register every turn of the wheel it is so rugged that jolts and jars won't affect its operation or cause breakage.

For Big Twin Models

DK-278	80 mile plain dial	$15.00
DK-278L	80 mile luminous dial	17.50
DK-278K	Kilometer dial	15.00

For Sport Model

WHK-1118	80 mile plain dial	$15.00
WHK-1118K	Kilometer dial	15.00

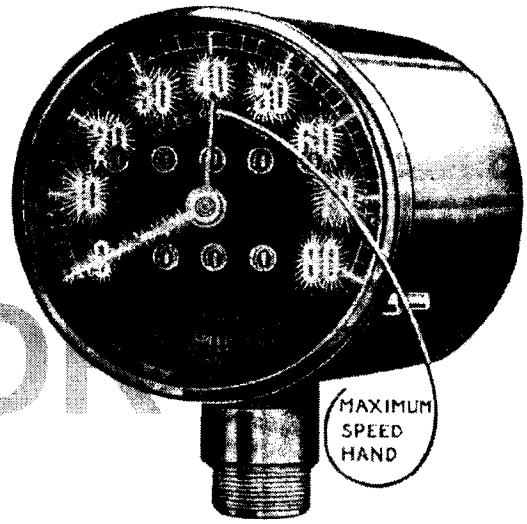
FOR RESEARCH PURPOSES ONLY

Johns-Manville Speedometer Parts

*FX-800	Speedometer Head (Miles)	$12.00
*FX-800K	Speedometer Head (Kil.)	12.00
*FX-801	Speedometer Glass and Ring	1.00
FX-802	Speedometer Head Bracket, complete	1.50
WFX-802	Speedometer Head Bracket, complete (Sport Model)	3.00
WFX-802A	Speedometer Head Bracket Frame Clamp Bolt and Nut	.20
FX-803	Bracket to Speedometer Screws	.05
WFX-803	Bracket to Speedometer Screws (Sport Model)	.10
GO-501	Bracket to Tank Screw	.05
BO-410	Bracket to Tank Screw Washer	.01
FX-804	33 inch Nickel Casing	3.00
WFX-804	31 inch Casing (Sport Model)	3.00
FX-805	33 inch Round Tip Cable	2.00
FX-806	33 inch Square Tip Cable	2.00
WFX-806	31 inch Square Tip Cable (Sport Model)	2.00
FX-807	Gear Section complete with 22T Fibre Pinion	4.00
HX-807	Gear Section with 24T Pinion	4.00
FX-808	22T Fibre Pinion	1.00
*HX-808	24T Fibre Pinion	1.00
*FX-809	Pinion Lock Washer	.05
*FX-810	Pinion Driving Washer	.10
*FX-811	Pinion Lock Nut	.10
FX-812	Lower Section Support Bracket	2.00
WFX-812	Lower Section Support Bracket (Sport Model)	2.50
JK-284	Lower section support Bracket For motorcycle equipped with heel brake	1.65
FX-813	Support Bracket Bolt	.10
WFX-813	Support Bracket Bolt (Sport Model)	.10
FX-814	Support Bracket Screw	.10
FX-815	78T Drive Gear (Sport Model)	4.00
HX-815	84T Drive Gear (Big Twin)	4.00
*FX-816	Drive Gear Tie Plate	.25
*FX-817	Drive Gear Tie Plate Screw	.03
FX-818	Drive Gear Attaching Clips (not threaded)	.05
HX-818	Drive Gear Attaching Clips (threaded)	.05
*BO-14	Drive Gear Attaching Clip Screws	.01
*FX-819	Gear Section Oiler	.25

*Will fit Big Twin and Sport Models.

Corbin-Brown Speedometer



The maximum speed hand is found only on the Corbin-Brown speedometer. It fills a demand for a device that will automatically register the highest speed made on a long trip or a short test spurt. With this attachment the motorcyclist may keep his eyes focused on the road, knowing the highest speed is being accurately recorded. The hand can be reset to zero instantly.

The luminous dial makes possible an easy reading of your speedometer at night. The hands and figures stand out clearly and show the speed and mileage at a glance.

For Big Twin Models

EK-278	—80 mile plain dial	$15.00
EK-278A	—80 mile plain dial with max. hand	16.50
EK-278L	—80 mile luminous dial	18.00
EK-278AL	—80 mile luminous dial with max. hand	19.50
EK-278K	—Kilometer dial	15.00

For Sport Model

WHK-1118A	—80 mile plain dial	$15.00
WHK-1118AA	—80 mile plain dial with max. hand	16.50
WHK-1118AL	—80 mile luminous dial	18.00
WHK-1118AAL	—80 mile luminous dial with max. hand	19.50
WHK-1118AK	—Kilometer dial	15.00

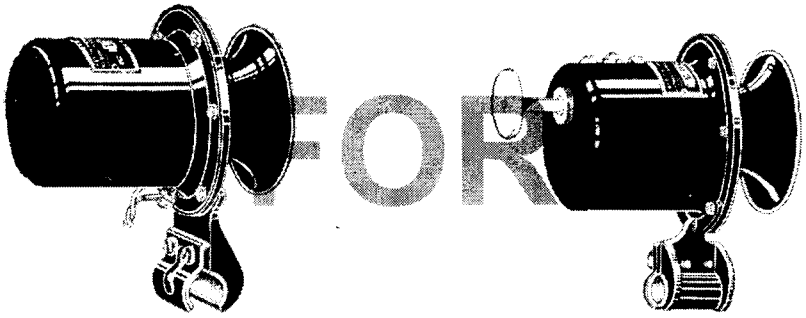
Spare Parts For Big Twin and Sport Model Corbin-Brown Speedometers

Part No.	Description	Price
FX-825	—Speedometer Head	$8.50
FX-826	—Glass spun in Ring and Bezel	1.00
FX-827	—Head Bracket complete	1.00
FX-827A	—Head Bracket only	.40
FX-827B	—Head Bracket Support	.60
FX-828	—Head Screws	.05
WFX-827	—Head Bracket complete, (Sport Model)	1.00
WFX-827A	—Head Bracket only, (Sport Model)	.60
WFX-827B	—Head Bracket Clamp Support, (Sport Model)	.30
WFX-828	—Head Bracket Screws and Nuts, (Sport Model)	.10
FX-829	—Complete Driving Cable 31 Inch	5.00
WFX-829	—Complete Driving Cable 33 Inch (Sport Model)	5.00
FX-830	—Driving Cable only	3.00
WFX-830	—Driving Cable only, (Sport Model)	3.00
FX-831	—Inside Shaft for Cable	2.25
WFX-831	—Inside Shaft for Cable, (Sport Model)	2.25
*FX-832	—Steel Wire Link	.10
*FX-833	—Spring Cable Connection	.35
*FX-834	—Driving Cable Connection	.15
FX-835	—Gear Section C'P'T with 24 Tooth Sprocket	1.50
WFX-835	—Gear Section C'P'T with 25 Tooth Sprocket, (Sport Model)	1.50
FX-836	—Small Gear 24 Teeth	.50
WFX-836	—Small Gear 25 Teeth; (Sport Model)	.50
*FX-836A	—Bushing for Small Gear	.12
*FX-837	—Frame Gear Bracket C'P'T	1.25
JK-284G	—Frame Gear Bracket C'P'T (for motorcycle equipped with heel brake)	1.65
FX-838	—Gear Bracket only	.50
*FX-839	—Gear Bracket Upper Cap	.25
*FX-840	—Gear Bracket Lower Cap	.25
*FX-841	—Set of Cap Screws and Washers	.25
*FX-842	—Swivel Bolt and Washer	.10
*FX-843	—Large Split Gear 85 Teeth	1.50
*FX-844	—Set of 2 Split Gear Tie Plates	.15
*FX-845	—Set of 4 Split Gear Tie Plate Screws	.05
*FX-846	—Set of 10 Spoke Clamps with Screws and Nuts	.30

*Indicates that fittings for Big Twin and Sport Models are the same.

FOR RESEARCH PURPOSES ONLY

Klaxons



A good, clear warning signal is a necessary adjunct to every motorcycle to insure safety to the rider and pedestrians. Then, too, the law demands it.

The Klaxon is a high quality signal that is always dependable. In the pinches is when the reliability and clear loud tone of the Klaxon is most appreciated.

The motorcyclist experiences no trouble in getting the right-of-way when he sounds this signal.

The Klaxon is made in two styles for motorcycles. 3MC is the horizontal push, hand operated signal—safe and convenient. 6MC is the electrically operated signal.

Take your choice for both are Klaxons—but, whatever you do, Klaxonize.

For Big Twin Models

EK-281	Hand Klaxon with tank bracket (fits on tank)	$4.75
IK-281	Hand Klaxon with handlebar bracket (fits between handlebar tees)	4.75
IK-1007	Electric Klaxon less bracket	7.25

For Sport Models

WHK-1121	Hand Klaxon with cross bracket (fits top frame tube)	$4.75
AWJK-1129	Electric Klaxon with handlebar bracket (fits between handlebar tees)	7.75

Klaxon Horn Brackets

EK-285	Tank bracket for Big Twin Models	$ .40
IK-286	Handlebar bracket for Big Twin Models	.50
WHK-1134	Cross bracket for Sport Model	.80
AWIK-1132	Handlebar bracket for Sport Model	.80

FOR RESEARCH PURPOSES ONLY

Weston Ammeter

Equip your motorcycle with a Weston Ammeter and know when your battery is charging, the conditions under which it should charge or discharge and the true relative rates.

This ammeter can be had with or without the neat mounting shown in the illustration. Does not interfere with opening the tool box. Cover opens only as far as is shown in the picture.

This mounting not furnished for Sport Model.

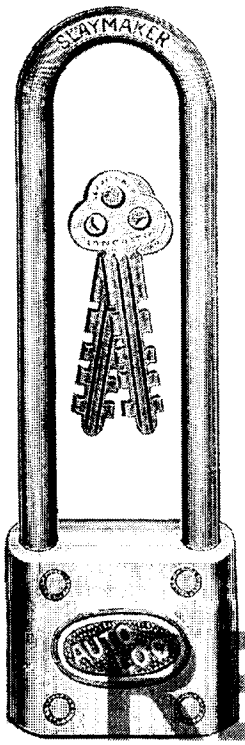
JK-123	Ammeter only	$3.50
JK-141	Ammeter complete with mounting and wiring	5.00

RESEARCH PURPOSES ONLY

Ammeter Parts

Order by Number

JK-126	Rubber gasket for ammeter mounting	$ .05
JK-127	Wiring assembly with terminals	.85
JK-128	Wire only	.50
JK-139	Mounting only	.50
JK-140	Terminal insulation	.03
JK-141A	Mounting complete less ammeter	2.50
JK-142	Cable clamp	.04



Adjustable Motorcycle Padlock

The shackle is hardened steel nickel plated, 6¾ inches long and 1⅛ inches wide (inside measurements). The adjustable feature allows the use of this lock on all makes of machines. It is ratcheted to permit adjustment to length of 5⅝ inches. Self-locking and is the only lock of this type that is made in a large number of key changes. Case is cast brass, 2 inches across. Furnished with two keys.

FX-425 . . . . . $1.00

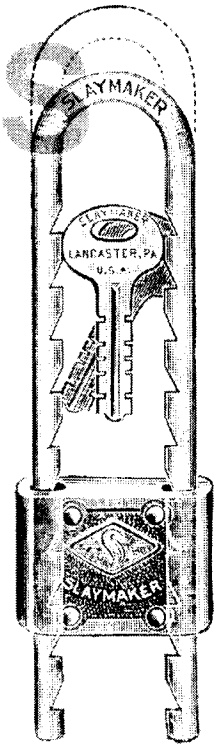
FOR RESEARCH

PURPOSES ONLY

Slaymaker Universal Lock

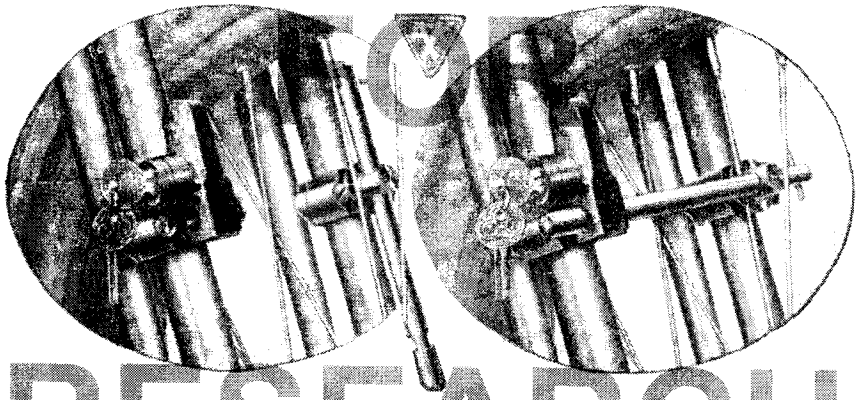
This lock is suitable for use on either a motorcycle or bicycle. Note the adjustable shackle feature which makes it possible to use this lock in any number of places. The shackle is hardened steel with milled ratchets, and is nickel plated. The case is of cast brass highly polished with brass bolts and tumblers; also formed brass key center. Two nickeled steel keys with each lock. Size across case 1¾ inches. Inside dimensions of shackle opened to greatest distance are 5½x15-16 inches. Adjustable to 1x15-16 inches.

FX-424 . . . . . $.90



A-K Motorcycle Lock

Approved by the Underwriters' Laboratories



After exhaustive tests, this lock was approved by the Underwriters' Laboratories.

Mention the A-K Lock as equipment on your machine for it has a direct bearing on insurance rates in many states. Save money—buy an A-K.

This lock has been greatly improved and is the only exclusive motorcycle lock made. It is attached to the front fork by means of four screws which cannot be taken out when the lock is in place. When once attached, the lock becomes a part of the motorcycle.

DX-427 . . . . . $5.00

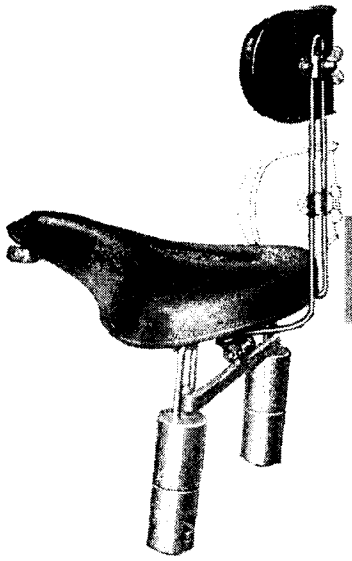
FOR RESEARCH PURPOSES ONLY

A-K Motorcycle Lock Parts

Order by Number

DX-427A	Main housing complete with lock	$4.00
DX-427B	Swivel housing less socket and spring	1.50
DX-427C	Lock rod	.50
DX-427E	Swivel socket	.30
DX-427F	Swivel socket spring	.10
DX-427G	Swivel housing screw	.05
DX-427H	Main housing screw	.05

Mesinger Back Rests



HX-236A

In the Mesinger line of back rests two styles are offered; one, known as the plain adjustable, and the other as the side swing adjustable.

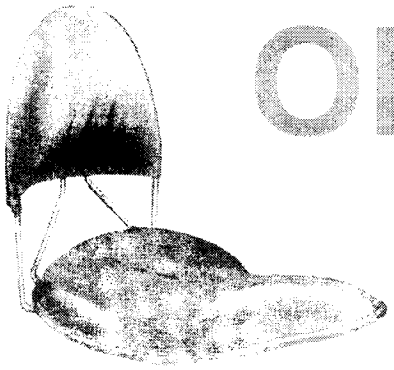
Each type is attached by means of two special nuts on the saddle. The illustrations show the method of adjustment on both styles.

The adjustable side swing style is designed to meet the demand for a back rest which can be swung down in either direction to facilitate mounting and dismounting from the motorcycle. The notable comfort feature of this back rest is the flexible spring wire of which it is made that can be bent forward or backward to the position desired by the rider.

HX-236 Sideswing adjustable $5.50
HX-236A Plain adjustable 4.00

HX-236

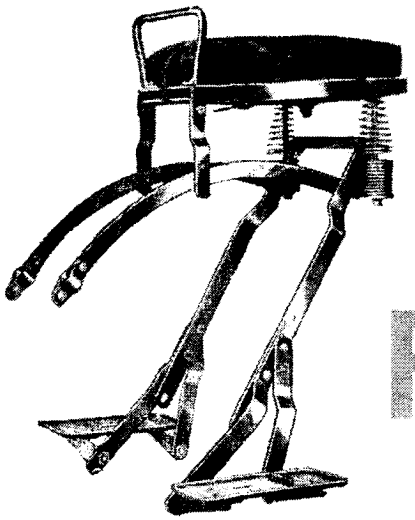
FOR RESEARCH PURPOSES ONLY



"Restezy" Back Rest

Solid Comfort no trip too severe when a "Restezy" is used, for it fits the back and gives support where most needed. Time and time again this back rest has proved its "Restezy" qualities by increasing the comfort and joy of riding. The supports and frame are of spring wire. The back is well padded with cotton wadding and is covered with brown Spanish Randea leather laced at the bottom with mercerized lacing. Fits all principal makes of saddles. Easy to attach.

GX-236 . . . . . $4.50
GX236A Attaching Nuts 10



F-N Tandem

This attachment can be used either as a tandem or luggage carrier by simply putting on or taking off the cushion. Fitted with folding footboards designed in keeping with the lines of the tandem. Every joint of the tandem is electrically welded, making the construction as strong as if pressed from solid steel. Very light but durable.

DX-235	Tandem with footboards complete	$17.00
DX-237	F-N back rail	2.50

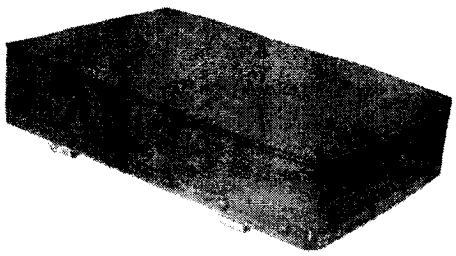
F-N Tandem Parts

Order by Number

FX-851	Top	$3.00
FX-852	Arm	2.00
FX-853	Leg	1.50
FX-854	Right Extension Leg only	.85
FX-855	Left Extension Leg only	.85
FX-856	Right Foot Rest and Nut only	.85
FX-857	Left Foot Rest and Nut only	.85
FX-858	Metal Foot Board Right	1.50
FX-859	Metal Foot Board Left	1.50
FX-860	Right Upper Spring	.30
FX-861	Left Upper Spring	.30
FX-862	Right Lower Spring	.30
FX-863	Left Lower Spring	.30
FX-864	Spring Bolt and Nut	.12
FX-865	Stud Bolt	.15
FX-866	Stud Bolt Nut	.05
FX-867	Toggle Bolt and Nut	.12
FX-868	Clip and Leg Screw with Nut and Washer	.05
FX-870	Regular Arm Clip	.12
FX-873	Foot Rest and Foot Board Nut	.15
FX-874	Hand Hold	.85
FX-876	Kantpak Cushion for F-N Tandem	3.00
FX-877	Web Straps	.20
FX-878	Right Foot Board Brace	.60
FX-879	Left Foot Board Brace	.60

Harley-Davidson Luggage Carrier Spring Cushion

The immense sale of this cushion proves that it fills all spring cushion requirements. Maximum comfort is afforded by using heavier springs, padding the cushion slightly heavier on the top and using a stronger covering material. It is absolutely waterproof, neat and attractive. The fastening to the carrier is made by two special clips which clamp at four points, holding it rigidly in place.



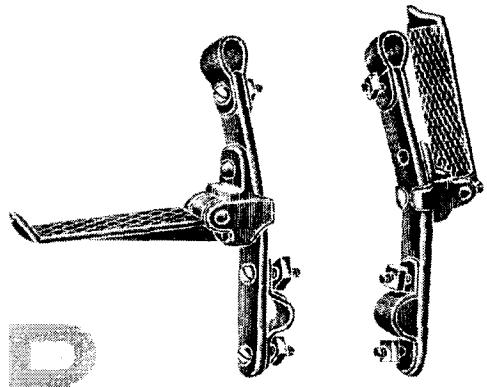
DX-240 ..... $3.25

FOR RESEARCH PURPOSES ONLY

A-K Foot Rests

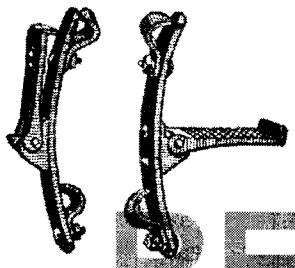
A neat, substantial foot rest to be used in connection with a cushion on the luggage carrier. Attached far forward where it is firmly secured to the rear fork stays. Folds out of the way when not in use and in no way interferes with the removal of the rear wheel.

DX-243W.....$2.00



FOR

Stoll Foot Rests

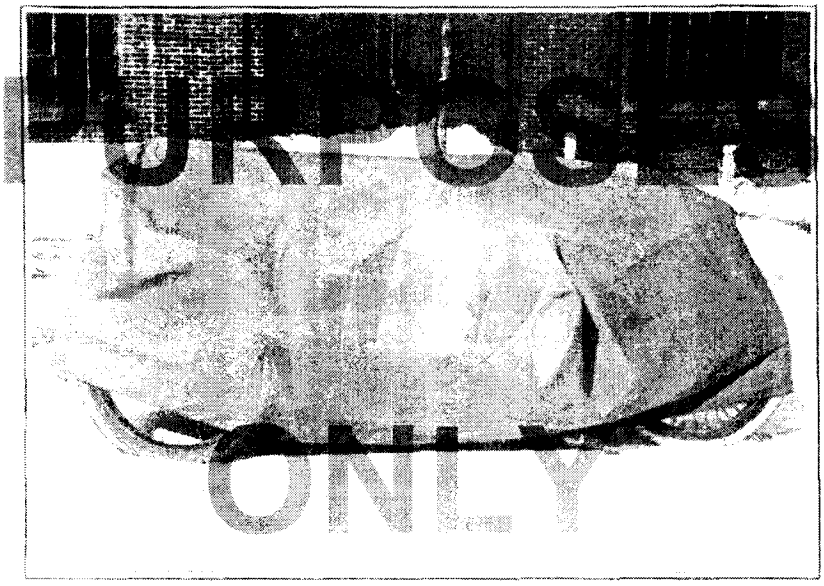


This foot rest is manufactured by the makers of the Stoll tandem. Attaches far forward. Made of extra heavy metal with heavy clips. Folds out of the way when not in use and does not interfere with the removal of the rear wheel.

DX-243Z.....$1.50

RESEARCH

Waterproof Duck Motorcycle and Sidecar Cover
Carry Your Garage With You

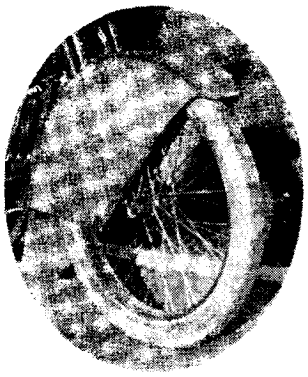


FOR RESEARCH ONLY

This cover for a motorcycle and sidecar is made of an 8 ounce double twisted water-proof khaki tent duck, fitted with ropes so that the cover can be tied down to prevent it being blown off of the outfit in case of a severe wind storm. Especially desirable for tourists or owners who are so situated that they cannot obtain suitable storage space.

GX-526.....$12.00

Front Dust Guard



The Front Dust Guard is made of heavy khaki canvas and fits snugly and neatly over the flat mud guard, catching over the front end of the metal guard and is fastened with straps to the lower mud guard braces. Snap fasteners permit the applying of the dust guard very quickly.

The dust guard supplies efficient protection for the sidecar passenger against dust and pebbles sometimes thrown by the front tire.

II-131 —61 inch Model..... $4.25
KI-131D—74 inch Model..... 4.25

Rear Dust Guard

To meet the demand for a rear guard for protection from oily or wet pavements, likewise against sand, pebbles and dust, we offer this new heavy oiled duck rear guard. It is so constructed that it may be used with or without the standard luggage carrier. Fastened by means of strong cords to frame and mud guard stays.

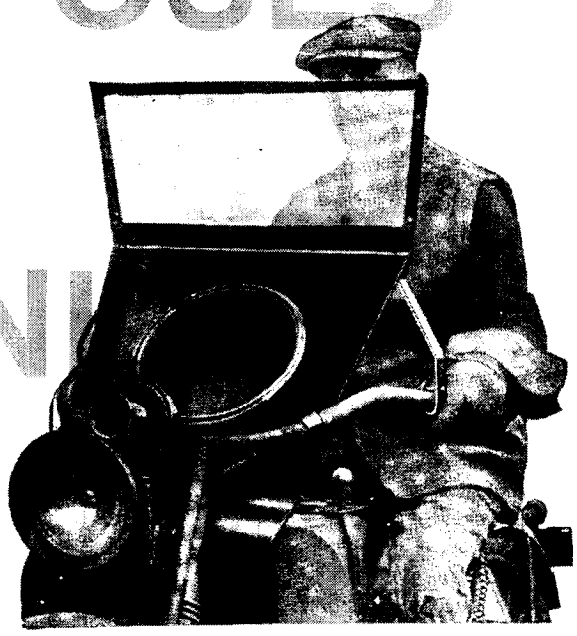
KX-533.....$3.00

G. M. C. Windshield

—a winter necessity

Wintry blasts hold no terror for the motorcyclist whose machine is equipped with a G. M. C. windshield. Even on stormy days goggles are not necessary, for this windshield offers complete protection against raw winds.

It is scientifically constructed so that it offers little resistance to the air and is made of reinforced metal with transparent window material (not glass) which does not shatter. This windshield is adjustable in height and is fastened to the machine so that it does not interfere with steering.



IX-531.....$8.00

FOR RESEARCH PURPOSES ONLY

RESEARCH

Rider's Lap Robe

PURPOSES

This lap robe is practically a winter necessity. It is made of heavy khaki canvas that assures real comfort in winter driving.

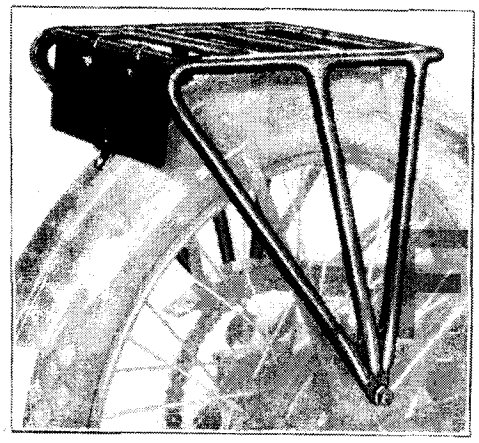
The robe is fastened on the front of the leg shield with snap buttons. It is belted around the waist of the rider, giving ample protection against raw winds.

In addition to offering protection from severe cold mud and slush the lap robe and leg shield combination is valuable in keeping operating levers, saddle, footboard and spark plugs dry and free from ice when the machine is left parked in stormy weather.

ONLY

This robe is recommended only for cold weather riding on short trips. On long trips it may cause over-heating of the motor. Therefore, the quick detachable feature is both desirable and essential.

IX-528 . . . . . $4.00

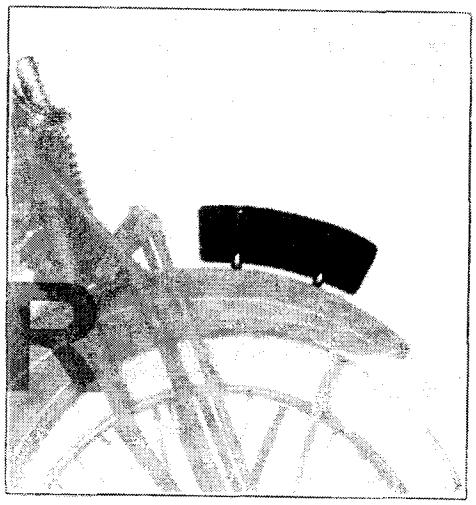


Luggage Carrier

A strong luggage carrier finished in the standard Harley-Davidson brewster green and olive drab colors. Has a carrying surface measuring 8 x 14 inches.

DN-42Z—Luggage Carrier without the number plate, olive drab. $5.00

KN-42Z—Brewster Green 5.00



Number Plates

These number plates are of strong metal, and are suitable for the fastening of license plates, or for advertising purposes. Made for Big Twin and Sport Models. Rear plate is illustrated at upper left of this page.

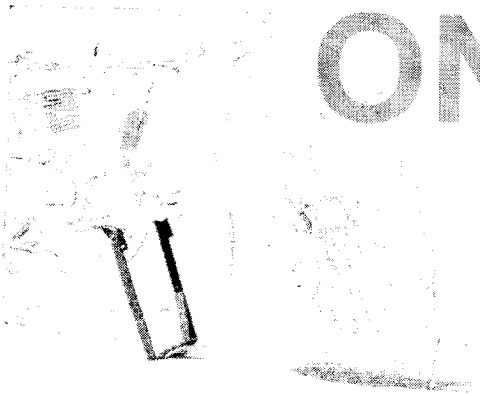
DK-784—Front Number Plate for Sport or Big Twin Models, complete with studs . . . . . $ .60

DK-787—Rear Number Plate for Big Twin Magneto Model, (includes brackets) 35

DK-791—Rear Number Plate only for Electric Models of Big Twin and Sport 18

WHK-1106—Rear Number Plate only for Magneto Sport Model .15

Front Stand Assembly



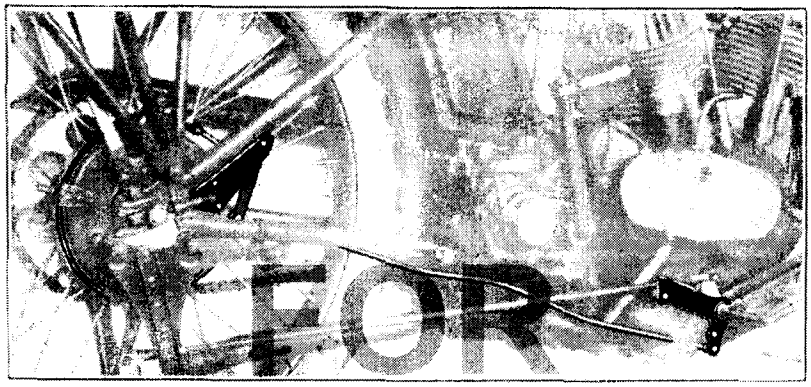
The front stand is of substantial design and construction, and is attached by bolting to the footboard side bars.

GK-2049—Front Stand Assembly, 1917 to 1920 inclusive $1.25

JK-2049—Front Stand Assembly, 1921 and 1922 models 1.25

LK-2049—Front Stand Assembly, 1923 models 1.25

FOR RESEARCH PURPOSES ONLY



Heel Brake Assembly

This external contracting brake for Big Twin Models is complete with rod, brake band and all fittings as shown in relief in the illustration above. We do not manufacture a heel brake for the Sport Model.

KK-661ZP	Heel Brake Assembly to fit 1922 models	6.00
JK-661P	Heel Brake Assembly to fit 1915 to 1920 models inclusive, with new support rods	$7.50
JK-661AP	Heel Brake Assembly to fit 1921 models	6 00
LK-661P	Heel Brake Assembly 1923 models only	5.75

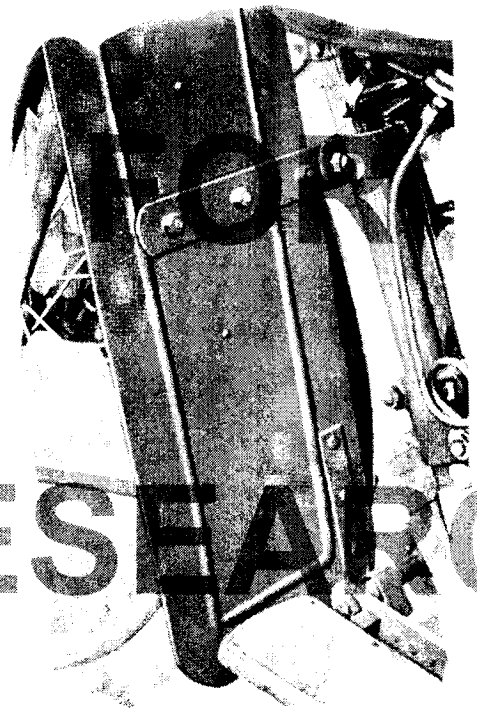
FOR RESEARCH PURPOSES ONLY

Hand Brake Assembly

This internal expanding brake for Sport Model, or external contracting brake for Big Twin Models, is complete with handle bar clamp, hand grip, flexibe tubing, etc.

HK-571P	Hand Brake Assembly, complete, for Big Twin Model	$7 00
AWIK-575P	Hand Brake Assembly, complete, for Sport Model	6 00
AWKK-575ZP	Hand Brake Assembly, complete, Brewster Green	6 00

Leg Shields



FOR RESEARCH PURPOSES ONLY

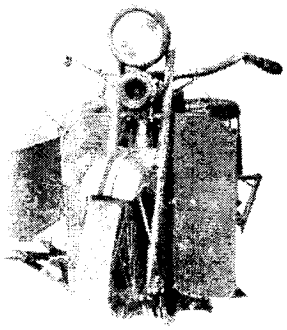
This leg shield protects the driver when traveling over freshly oiled roads or sprinkled pavements. Is especially designed for those riders who pride themselves upon their neatness and ride much of the time in their street clothes. This shield can be put on or taken off of the motorcycle in about ten minutes.

As it is not entirely feasible to use the shield on long country trips when it is necessary to subject the motor to long, hard pulls over rough and sandy roads the quick detachable feature is important.

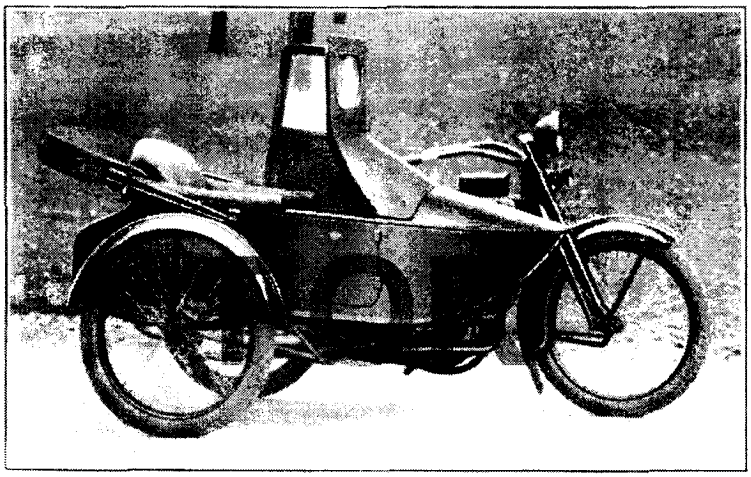
Shields set straight—at exact right angles to the frame—due to the right shield having a groove cut into it to accommodate the sidecar frame.

EK-2029Z—Olive Drab $5 50

KK-2029Z—Brewster Green 5 50



L T Sidecar Top

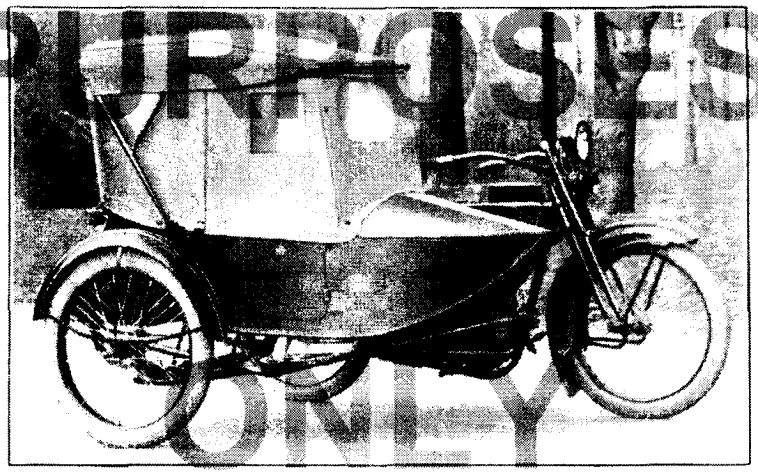


It is remarkable how easily and quickly this top can be put up and taken down. Not a single hole need be drilled in the sidecar body frame work.

Each side arm of the sidecar is provided with five bolts, each bolt being fitted with a short collar underneath the nut. These collars are the same thickness as the specially designed bracket irons which are furnished with each top. To attach the top, it is only necessary to remove the side arm nuts and fasten the bracket irons to the bolts in place of the collars. The entire job is then mounted on the bracket irons. There is positively no disfiguring of the sidecar.

KQ-246	Top with Windshield	$25.00
KQ-248	Windshield only	10.00

Q T Sidecar Top

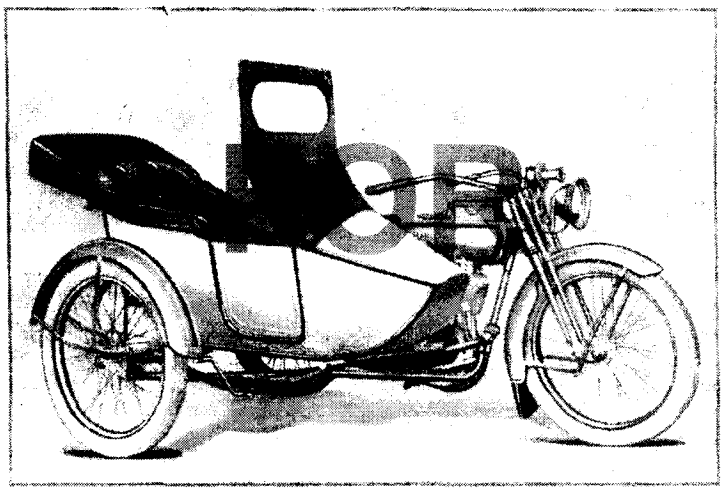


This top is as easily set up and taken down as the L T Sidecar Top, as the method of attaching is the same. It is substantially constructed of excellent material. Affords ample protection against severe weather conditions. The top is never in the way of the driver as the handlebars do not strike it when making a sharp turn. Built so that it is easy to get in and out of the sidecar. Furnished with windshield and side curtains.

KQ-356	Top with Windshield	$40.00
KQ-358	Windshield	15.00

RESEARCH PURPOSES ONLY

Sidecar Top and Windshield



This sidecar top is put up easily and quickly and put down with just as little effort. It is never in the way of the driver (the handlebars cannot strike any part when turning a corner). As the top is well in the back of the driver's normal line of vision it gives him a clear view up cross streets. The sidecar passenger does not have to "double up and climb into" the sidecar when this top and windshield is used. The windshield is simply tilted forward and the passenger steps in comfortably as though the top and shield were not there.

For those who do not fancy a windshield, we furnish a special storm curtain which may be quickly fitted in case of a storm. This sidecar top will fit 1918 to 1921 Tourist models only.

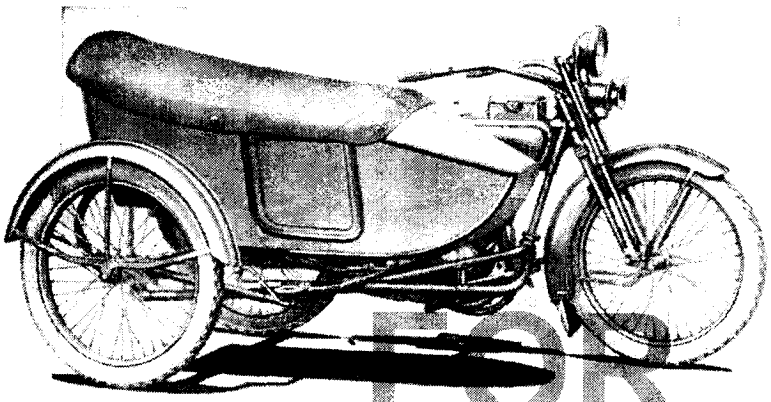
			Price
HQ-246	Top complete with glass inset windshield for one passenger sidecar	1918 to 1921	$15.00
HQ-247	Top complete with button storm curtain for one passenger sidecar	1918 to 1921	15.00
HQ-248	Glass inset windshield with deflector for one passenger sidecar	1918 to 1922	10.00
HQ-356	Top complete, glass inset windshield for two passenger sidecar	1918 to 1921	40.00
HQ-357	Two passenger top, less windshield		30.00
HQ-358	Stationary windshield, glass inset, for two passenger sidecar	1918 to 1922	15.00
GQ-275	Sidecar top (HQ-246) only with right side (GX-611) curtain	1918 to 1921	15.00
GQ-163	Sidecar top envelope (one passenger)	1918 to 1921	2.50
HQ-361	Sidecar top envelope (two passenger)	1918 to 1921	3.00

Sidecar Seat Covers

A set of seat covers gives your sidecar a snappy, attractive appearance, as well as protects the upholstering. They are warmer in cold weather and cooler in hot weather than the artificial leather upholstering. Each set of covers is made to fit perfectly, so you are assured of a good job. Made in a handsome olive water-proof silk mohair, with extra heavy black binding. A set consists of a cover for the seat and the back.

		Price
GX-503	For 1918 sidecars	$ 3.00
HX-503	For 1919 and 1920 sidecars	5.00
HX-503D	Two passenger sidecar	7.50

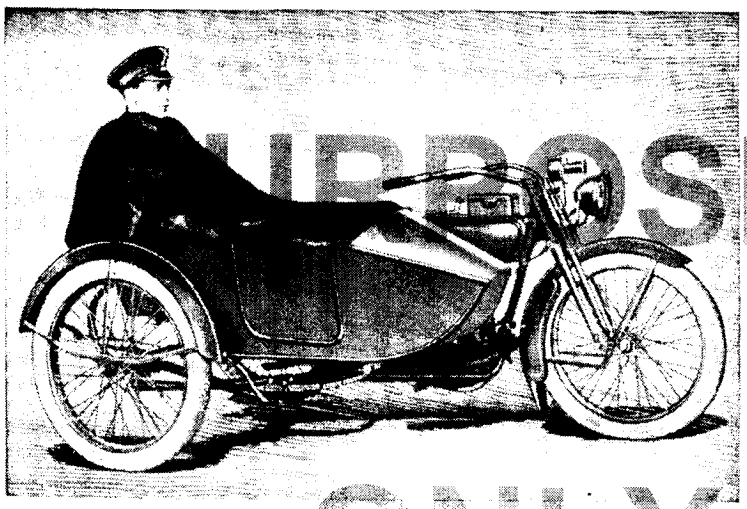
FOR RESEARCH PURPOSES ONLY



Harley-Davidson Straight Apron for Sidecar

Protect the upholstering in your sidecar if you would have it retain its good appearance. When unoccupied, the interior of the sidecar should be covered by a suitable apron. The Harley-Davidson apron, without the poncho effect fills this requirement very nicely. It fastens tightly over the sidecar and thoroughly excludes rain and dust. Keeps the inside of the car clean and dry so it is always in perfect condition to receive a passenger. The apron is made of extra heavy, two-ply, waterproof cloth, which is excellent for this purpose. It is correct in design and workmanship and will give good service. Complete with all fittings to attach.

FQ-85	Olive drab mohair, for 1916-1917 sidecar with top	$4.00
GQ-85T	Black waterproof fabric leather for 1918 sidecar with top	3.50
IQ-85RK	Khaki waterproof moleskin cloth for Roadster sidecar	4.00
IQ-85D	Black waterproof fabric leather for all QL sidecars	5.50
KQ-85DA	Khaki waterproof moleskin cloth for QT sidecar	5.25
JQ-85	Khaki apron for 1919-1921 "L" sidecars	3.75



Harley-Davidson Sidecar Apron or Poncho

This type is a combination sidecar apron and poncho. Aprons are absolutely waterproof, being made of the very best materials. They are heavily reinforced wherever eyelets or snap fasteners are attached. Provided with center opening which can be buttoned up tight when simply covering the sidecar, or opened when brought over the sidecar passenger's head. These aprons will keep the passenger perfectly dry in the heaviest rain storm. The cape which protects the back of the passenger can be folded under the apron when not needed. Complete with all fittings.

EQ-85B	Black waterproof fabric leather for 1916-1917 sidecar	$4.75
GQ-85B	Black waterproof fabric leather for 1918 sidecar	4.75
GQ-85S	Gray striped mohair to fit 1918 sidecar	4.50
HQ-85K	Khaki waterproof moleskin cloth for 1919 and later sidecars	6.00
IQ-85R	Black waterproof fabric leather for "Roadster" sidecar	5.50
KQ-85A	Khaki waterproof to fit "LT" or Royal Tourist sidecar	5.50

FOR RESEARCH PURPOSES ONLY

Real Warmth on the Coldest Days

It will be a genuine pleasure for your lady to go driving with you even on the coldest winter days when she's snugly tucked under this heavy robe. It affords so much warmth and comfort that she will thoroughly enjoy riding during the brisk weather. The muff feature gives ample protection to the arms and hands, and is located to allow the robe to be drawn well over the passenger's chest.

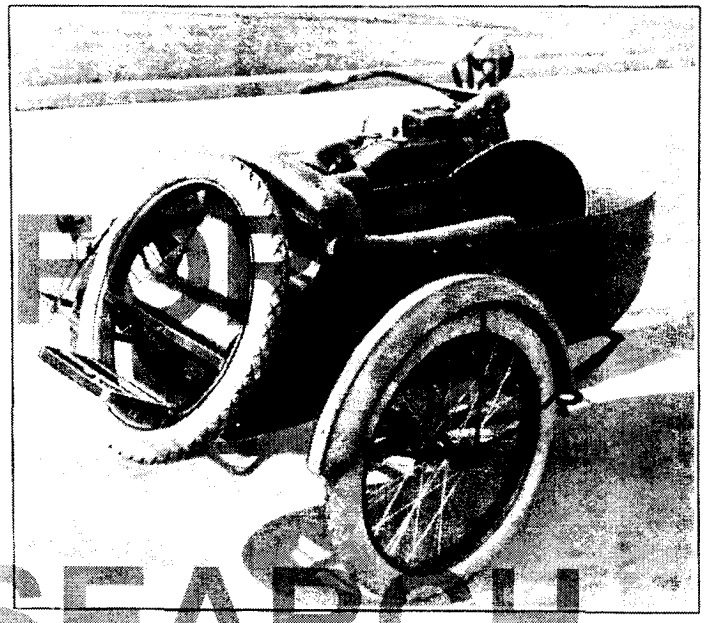
Then, too, note how proudly she'll sit in the sidecar with this classy robe wrapped about her. For it is not only unusually warm but also very good looking and will surely add distinction to your sidecar outfit.

The front of rich-appearing leopard design is made of carefully selected animal hair that will not come out. It is a high quality, serviceable robe that is in many ways superior to a fur robe. It is warm, pliable, sanitary and contains only fast colors. Size is 54 x 66 in.

JX-517 . . . . . $14.50

FOR RESEARCH PURPOSES

Tire and Luggage Carrier for Royal Tourist Sidecar



This tire carrier is as substantially constructed as the sidecar itself for which it is designed. It is rigidly held to the sidecar by 4 bolts on each side and 2 on the bottom.

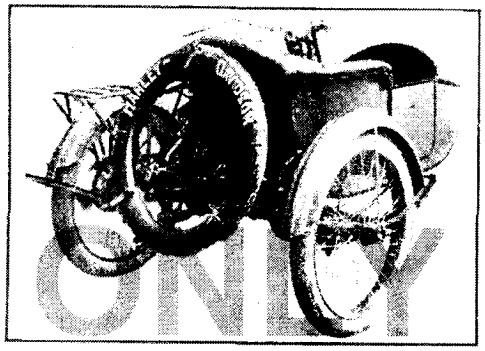
Tire is held securely on an undrilled rim, which permits inflation of tire, thus preventing dust and water from entering casing with the consequent deterioration.

The neat folding rack or platform can accommodate a suit case or luggage of any description. Rack may be instantly swung up against the tire carrier when not in use. This type of tire and luggage carrier will be found practically indispensable by the tourist

LQ-875 ..... $7.00

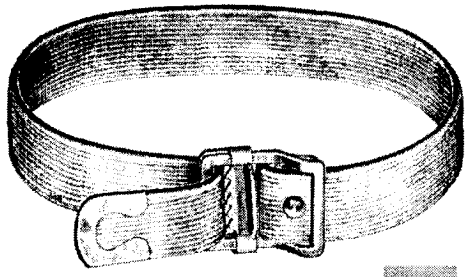
FOR RESEARCH PURPOSES ONLY

Sidecar Tire Rack



A good substantial tire rack that not only provides a carrrier for the tire but also a small platform for bundles. The special sidecar trunk shown can also be carried on the platform of this rack.

FQ-200	For 1916 and 1917 sidecars	$4.00
GQ-200	For 1918 to 1920 sidecars	4.00
HQ-182	For Q L sidecars	4.50

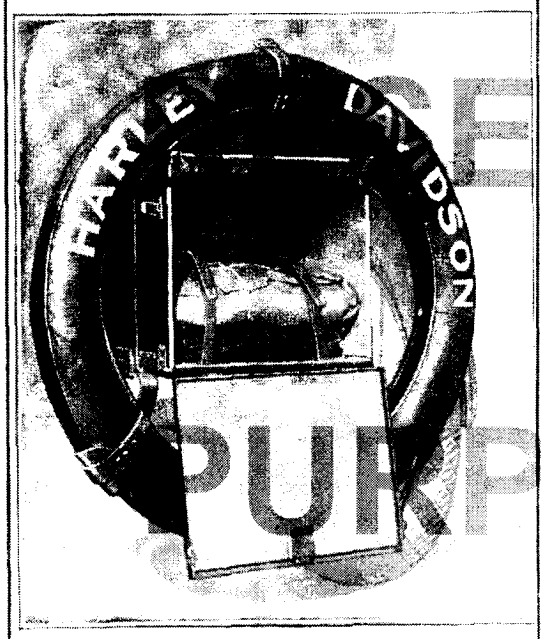


Web Strap

Convenient luggage strap, not only very handy for strapping on extra luggage but can be used for many other purposes. We find the most practical strap is $\frac{7}{8}$ inch wide. Made of an olive drab web which is much stronger than leather of the same size and more pliable. The instantaneous acting buckles give you a much better adjustment than can be obtained on the ordinary leather strap.

FX-529 — $\frac{7}{8}$ inch by 48 inches . . . . $ .20
HX-529 — $\frac{7}{8}$ inch by 72 inches 25

Sidecar Trunk

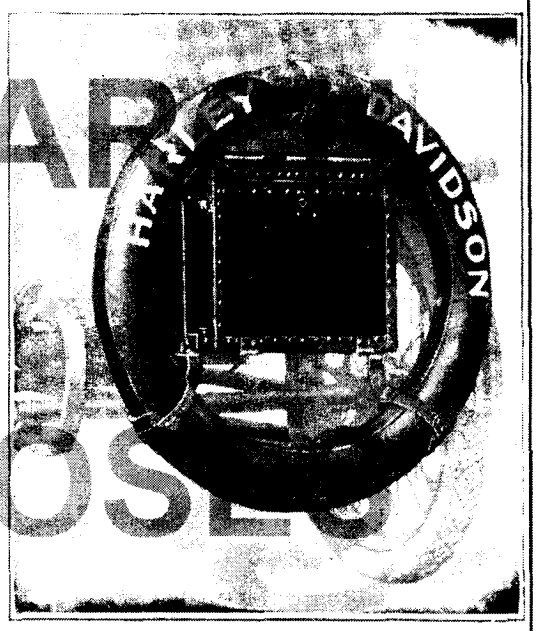


The sidecar trunk, used in connection with the Harley-Davidson tire rack and luggage carrier is large enough to accommodate a number of small articles. Made of $\frac{1}{4}$ inch bass wood covered with a special black enameled duck and bound with heavy vulcanized fibre. Corners are protected by heavy brass finished clamps. Fitted with inside lock for which two keys are provided. Very easy to attach to the tire rack as two or three screws properly placed will hold the trunk securely on the rack.

GX-508 — To fit 1917 to 1921 Tire Rack. $6.00

GX-508A Key for Trunk. 20

Tire Cover



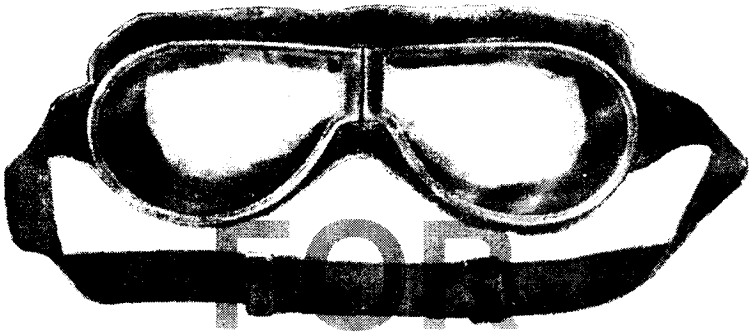
This cover is made of a fine enameled cloth cut from a perfect pattern so that it will fit all makes of 3 inch tires. Fastened with snap buttons. In the edge of the flap, a highly tempered flat spring is inserted which seals the cover from water and dust. This tire cover can only be used with F Q -200 and G Q -200 tire racks.

FX-509 Plain. . . . $2.00

FX-509A Lettered. . . 2.00

FOR SEARCH PURPOSES ONLY

Resistal Goggles



RESISTAL is made by permanently welding together two pieces of optical glass having between them a sheet of RESISTALENE. No cements or glue are used; the two pieces of glass being perfectly and permanently welded into one lens which is not affected, even after boiling in water.

RESISTAL is the only laminated lens that is permanently welded, therefore the only lens that is permanently non-shatterable and permanently optically safe.

There's a difference in the results as well as in the making, a considerable difference in the protection afforded that it would be well for you to look into carefully.

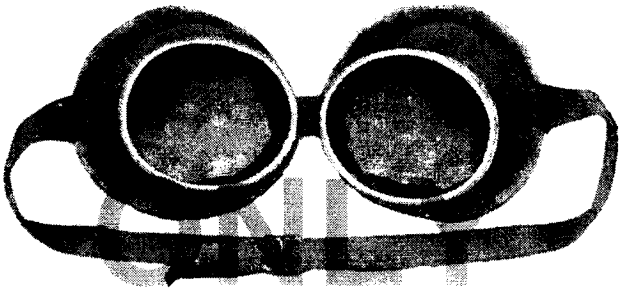
The laminated lens that is not permanently welded may at some time come apart, and is therefore NOT non-shatterable and NOT optically safe; in short, dangerous for men to wear on account of the baseless faith they may place in it.

Permanency of protection, with no possible impairing of the vision—that is what RESISTAL stands for in PERFORMANCE as well as in promise.

IX-246 —.....$5.00
IX-246A—Extra lenses, per pair . . . 3.00

When ordering lenses, specify whether right or left lens is wanted.

Staff-Resistal Goggles



A high class dust-proof, compact, folding motor goggle with collapsible eye cups, bound with chenille. Fitted with Non-shatterable RESISTAL lenses, adjustable head bands and leather bridge.

IX-247 — $2.00
IX-247A Extra lenses, per pair . . .90

Jumbo Goggles

Has extra large curved glasses which allow a wide and clear vision. Nose-piece and side-tabs are of leather. Edges are bound with chenille. Fitted with an adjustable, flat, elastic headband. An ideal goggle for motorcycling.

KX-253 — $1.35
KX-253A—Extra lenses, per pair .35

FOR RESEARCH PURPOSES

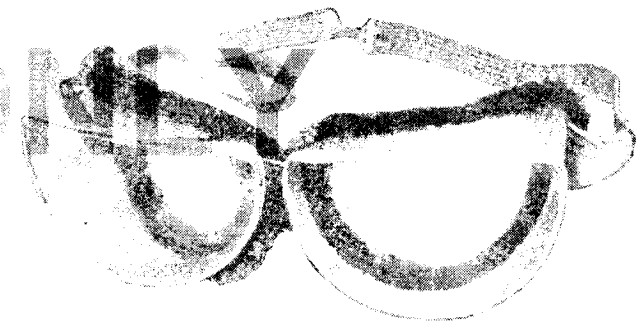
Jumboette Goggles

A very comfortable goggle giving ample protection to the eyes. May be worn over spectacles or eye glasses. Fitted with extra large oval lenses of curved glass. Collapsible eye cups bound with chenille.

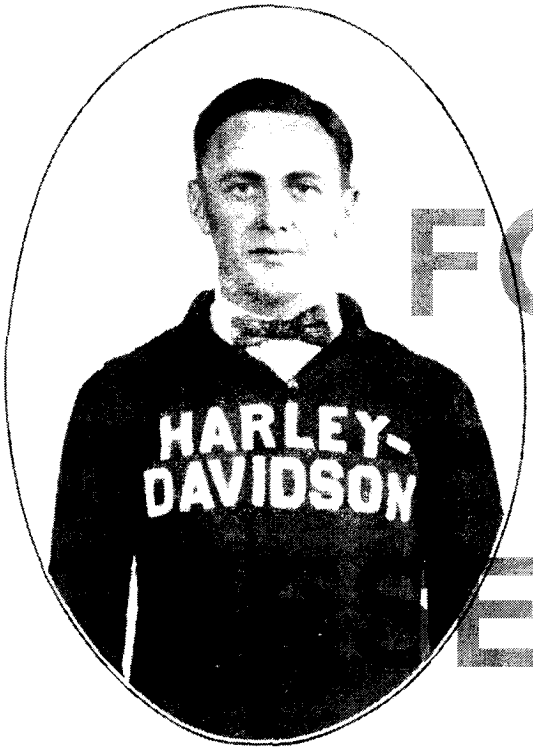
GX-253 — $1.35
GX-253A—Extra lenses, per pair .40

Roosevelt Goggles

The collapsible eye cups of these goggles are constructed to set low on the face with drop eye lenses that are removable. Fitted with extra large curved lenses. Thoroughly practical goggles.



KX-252 — $1.35
KX-252A Extra lenses, per pair ..... .35



FOR SEARCH PURPOSES ONLY

Button Neck Jersey

This is a very popular style of jersey. Extra heavy, all worsted, of the best quality. Instead of being provided with snap buttons, it is furnished with buttons and button holes. The appearance is much neater and gives better service. This jersey is bound to please. Furnished in brown heather only, in sizes 36 to 44.

IX-257B —Trademark . . . $5.00

IX-257BL (Lettered) . . . 5.50

"V" Neck Jersey

This jersey of exceptionally high quality is particularly suitable for spring and summer wear when no collar is wanted. The V neck is cut low in front giving a neat appearance and showing the shirt collar and tie to advantage. It is semi-dressy. Furnished in green heather only, in sizes 36 to 44.

IX-258B —Trademark . . . $4.50

IX-258BL—(Lettered) . . . 5.00

RESEARCH

Turtle Neck Jersey

The comfort and practicability of this jersey makes the demand for it very large. Its excellent worsted texture gives it long wearing qualities that prove it to be an economical purchase. Supplied only in gray. Sizes 40 to 44. This jersey supplied with Harley-Davidson emblem No. IX309 without extra charge. "HARLEY-DAVIDSON" lettering sewed on jersey at an additional cost of 50 cents.

PURPOSES

IX-256G—Emblem. . . $3.00
IX-256GL—Lettered . . . 3.50

Emblem

ONLY

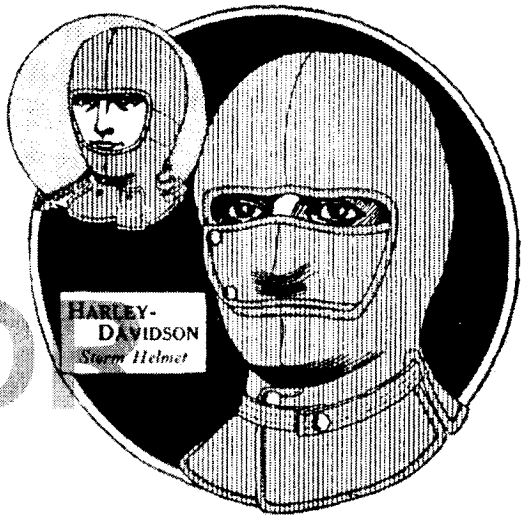
Trade Mark Emblem (IX309), illustrated here, for Jersey, Sweater or Shirt, is gold embroidered on black felt. It is distinctive and attractive. Size $5\frac{1}{4}$ x $3\frac{3}{4}$ inches.

MOTOR HARLEY-DAVIDSON CYCLES

IX-309 . . . . . $ .30

Storm Helmet

The ideal helmet for stormy or extremely cold weather. Protects the face, forehead ears, neck and throat of the wearer. An extra flap is provided which in severe weather can be fastened over the nose and cheeks with two snap buttons. In milder weather this flap may be folded back on the inside of the helmet as shown in the illustration. Another feature which makes this an ideal helmet is that it comes down low in the back to cover the neck and also has a throat protector which fastenes with a snap button. A strap holds the helmet in place around the neck. It is made of an olive jersey cloth heavily fleece lined. Very warm and comfortable.



IX-294 ..... $ .50

Motor Helmet

This helmet appeals to the motorist as it provides satisfactory protection from the cold and protects the ears, forehead and neck of the wearer. In milder weather, the ear lap portion of the hood may be raised worn without a cap or removed altogether if worn in connection with a hat or cap. Made of wool cloth, fleeced on both sides. Provided with two snap buttons which allow for adjustment of the hood.

IX-292 ..... $ .75

This hood is the same as IX-292 except that it is made of a very high grade all wool cloth.

IX-293 ..... $1 00

Lightweight Summer Helmet

One of these comfortable, lightweight helmets will greatly increase the pleasure of your country trips and tours. Protects the head and neck from dust and makes you feel fresh as a daisy after a long run. Made of a very light, soft, smooth, olive jersey cloth that does not scratch. Fastens under the chin with two snap buttons.

IX-290 ..... $ .50

RESEARCH PURPOSES ONLY

The "Flexicuff" Gauntlet Glove

A big favorite with motorcyclists because it has a flexible, soft cuff which greatly increases the comfortable wearing qualities of the glove. Also permits the glove to be folded up and put away in some small space when not in use. To hold its shape the cuff is reinforced with cross stitching.

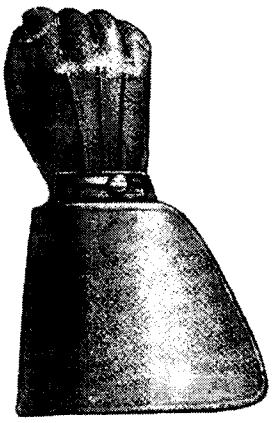
The "Flexicuff" is a fine appearing glove and is noted for its long wearing qualities. It is made throughout of an excellent grade of genuine, black horsehide leather. The "Flexicuff" has a lined cuff, "Princess" thumb, quirks between the fingers and adjustable wrist-strap. Fits perfectly and comfortably.

IX-283—Per pair $4.00

FOR RESEARCH PURPOSES ONLY

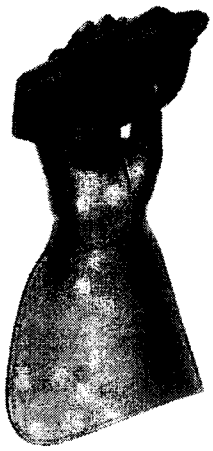
The "Utility" Gauntlet Glove

For general use this durable, dressy, glove simply cannot be beat. The hand is made from a good wearing grade of black horsehide leather. The cuff is made from high grade leather and has a tan leather lining. The thumb is sewed in with three rows of stitching and is correctly placed. This prevents that cramped feeling noticeable when the thumb is slightly misplaced. Quirks are sewed between the fingers to prevent ripping at that point. Fitted on the back with an adjustable wrist strap bearing our embossed trademark button. Fits splendidly and is finished off neatly and carefully. You could hardly select a better all-around glove.



GX-283—Inseam, per pair $3.25
HX-283—Outseam, per pair 3.25

A "Service" Gauntlet Glove



A well-made black glove with soft, pliable, genuine leather hand and stiff leather cuff. Fits the hand perfectly and is neat appearing. This glove is durable and wears exceptionally well. The cuff is shaped so that it offers ample protection to the wrist. A very desirable glove for riders who want a good glove at a moderate price.

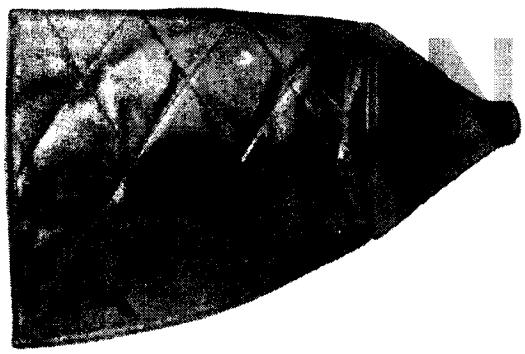
IX-281 . . . . . $2.50

The "Khaki" Gauntlet Glove

A mighty fine glove made of genuine horsehide leather. Extra thickness gives this glove unusual long wearing qualities. The hand is soft and pliable. The cuff is stiff and large so that the coat cuff fits into it snugly. The wrist is always kept warm. The glove palm is smooth finished while the back and cuff is left rough. Fitted on the back with an adjustable wrist strap bearing our embossed trade-mark button. The way this "Khaki" glove wears is a revelation to its owner.

GX-282 . . . . . $2.75

Improved Handlebar Muffs

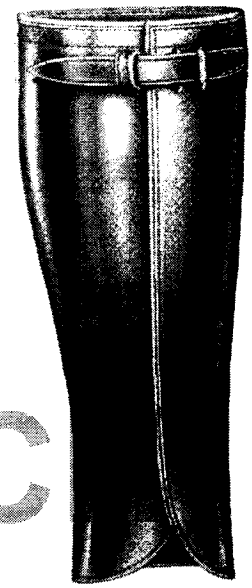


Nothing will afford the motorcyclist so much genuine comfort in winter for the money invested as handlebar muffs. The muff's shell is made of an extra heavy weight of leather, padded with very heavy felt and lined with a cotton twill. To avoid any possibility of the felt loosening, the muffs are cross-stitched, or quilted. Attachment to the handlebar is made by means of a small leather strap. Furnished in black only.

DX-289 . . . . . $1.75

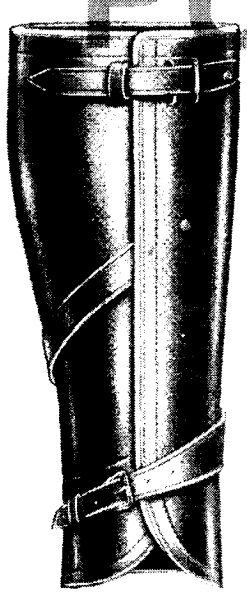
FOR RESEARCH PURPOSES ONLY

Quality Puttees



Puttees offer motorcyclists splendid protection and the snug fitting throat prevents dirt from coming up around the shoe tops and soiling trousers. Puttees are neater appearing and are lighter and less expensive than high boots. Furthermore, they can be slipped on and off over the trousers leg very easily and quickly.

Harley-Davidson puttees are made of high grade, carefully selected puttee leather of exceptional durability. They mold to beautiful shape and hold up under hard service. Special reinforcements at the places subjected to the most wear greatly enhance their serviceability and long life. Excellent workmanship characterizes these puttees. Finished in a polished mahogany shade.



Harley-Davidson puttees are offered in two styles, with spring front and single strap—lined or unlined. Both puttees are of the same high quality so in making a selection it is just a matter of which style you prefer. The spring front puttees are fitted with a double prong spring which allows an adjustment of a half size either way. Half sizes need not, therefore, be carried.

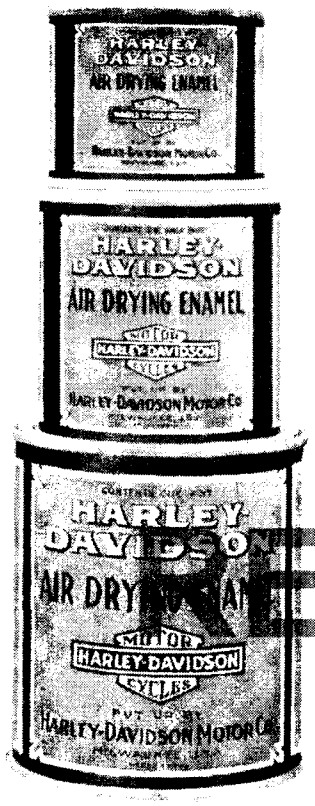
The straps on the strap style are cut from perfectly seasoned leather, making them strong and pliable. They are sewed on to stay and have substantial fittings.

Both spring front and single strap styles can be had in sizes 14 to 17.

Stock No.		Price
KX-270	Spring front, unlined	$6.00
KX-270L	Spring front, lined	6.50
KX-266	Single strap, unlined	6.00
KX-266L	Single strap, lined	6.50

FOR RESEARCH PURPOSES ONLY

Harley-Davidson Air Drying Enamel



This enamel is used for enameling or touching up scratches on frames, tanks, mudguards, etc. It is exactly of same quality and body as that being used on our machines. Although we advertise it as air drying enamel it can also be used effectively where the baking process is preferred.

GRAY FINISHING ENAMEL

DX-350A	¼ Pint Can	$ .35
DX-350B	½ Pint Can	.50
DX-350C	1 Pint Can	.90
DX-350D	1 Quart Can	1.60
DX-350E	1 Gallon Can	6.00

OLIVE DRAB ENAMEL

FX-350A	¼ Pint Can	$ .40
FX-350B	½ Pint Can	.60
FX-350C	1 Pint Can	1.00
FX-350D	1 Quart Can	1.70
FX-350E	1 Gallon Can	6.25

BREWSTER GREEN ENAMEL

KX-350A	¼ Pint Can	$ .35
KX-350B	½ Pint Can	.50
KX-350C	1 Pint Can	.90
KX-350D	1 Quart Can	1.60
KX-350E	1 Gallon Can	6.00

DARK GRAY SIDECAR CHASSIS ENAMEL

DX-353A	¼ Pint Can	$ .35
DX-353B	½ Pint Can	.50
DX-353C	1 Pint Can	.90
DX-353D	1 Quart Can	1.60
DX-353E	1 Gallon Can	6.00

FOR RESEARCH PURPOSES ONLY

Harley-Davidson White Transparent Copal

A high grade copal or white varnish for protecting and finishing re-enameled parts. This is exactly the same grade of copal we use in putting that high grade finish on new machines.

DX-355A	¼ Pint Can	$ .40
DX-355B	½ Pint Can	.60
DX-355C	1 Pint Can	1.10
DX-355D	1 Quart Can	1.80
DX-355E	1 Gallon Can	6.50

Harley-Davidson Striping Color

This striping color is the same quality we use in striping machines in our own factory. Put up in small tubes ½ by 2½ inches and one-eighth pint cans.

DX-351	—Red, ⅛ pint can	$1 20
DX-351A	—Red, tube	.25
GX-351	—Pullman Coach, ⅛ pint can	.40
GX-351A	—Pullman Coach, tube	15
DX-352	—Dark gray, ⅛ pint can	.45
DX-352A	—Dark gray, tube	.15
FX-352	—Brewster green, ⅛ pint can	.55
FX-352A	—Brewster green, tube	15
GX-352	—Pea green, ⅛ pint can	.45
GX-352A	—Pea green, tube	15
FX-354	—Aluminum bronze per package	50
DX-354	—Gold bronze, per package	45

FOR RESEARCH PURPOSES ONLY

Striping Brushes

No. 4 Sword Striper. This brush is used for the hair lines on the outside of the wide stripe. In other words, it is used for edging the stripes on the tank, mud guard, sidecar body, etc.

DX-365 . . . . . $ .60

No. 2 Sword Striper. The proper brush to use for the thin hair line stripe in the center of the broad stripe on the tank, mudguards, sidecar body, etc

HX-365 . . . . . $ .55

The Quill Striping Brush is for the ¼ inch broad line striping on the tool box and mudguards.

DX-366 . . . . . $ .45

The Metal Tube Brush is for the ¾ inch broad stripe on the tank, mudguards, sidecar body, etc.

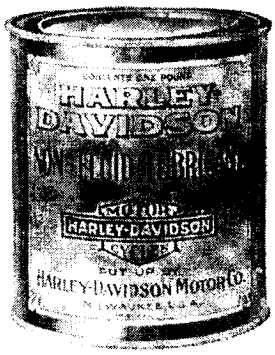
DX-367 . . . . . $ .55

Harley-Davidson Grinding Compound

A ready mixed compound for grinding valves. This compound is being used with very good results at or own factory. There is no danger of grooving valve or seat when this compound is used.

DX-360A	1-6 Lb. Can	$ 45
DX-360B	½ Lb. Can	.85
DX-360C	1 Lb. Can	1 35

Harley-Davidson Non-Fluid Lubricant No. 4



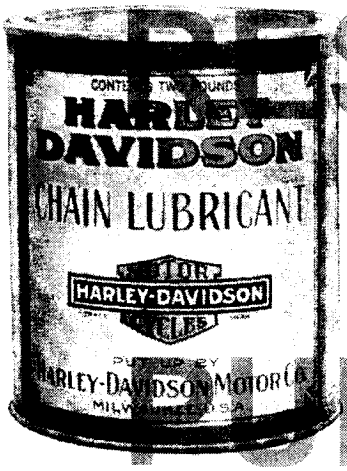
A heavy-weight grease of extra fine quality for lubricating ball races in the clutch, step starter, coaster brake, upper and lower head cones, front, rear and sidecar hub cones, counter-shaft, pedals and both recoil and main springs.

DX-357A	1 Lb. Can	$ .40
DX-357B	2 Lb. Can	.65
DX-357C	5 Lb. Can	1.60
DX-357D	10 Lb. Can	2.75
DX-357E	25 Lb. Can	5.50

Harley-Davidson Non-Fluid Lubricant No. 3

For lubricating the two-speed, speedometer cables, grease cups and all parts needing a grease of this weight.

GX-357A	1 Lb. Can	$ .40	GX-357C	5 Lb. Can	$1.55
GX-357B	2 Lb. Can	.60	GX-357D	10 Lb. Can	2.50
GX-357E	25 Lb. Can	$5.00			



Harley-Davidson Chain Lubricant

Lubrication for drive chains is essential. There is only one efficient way of lubricating a chain and that is to place the chain in lubricant after lubricant has been reduced to liquid form. See directions on can.

DX-356A	½ Lb. Can	$ .30
DX-356B	1 Lb. Can	.50
DX-356C	2 Lb. Can	.85
DX-356D	5 Lb. Can	2.00

Holdfast Liquid Shellac

Holdfast Liquid Shellac has been a by-word in the bicycle and motorcycle field for years. Thoroughly reliable. Has a reputation of long standing.

IX-359A	2 oz. Bottle	$ .25
IX-359B	½ Pint Can	.60
IX-359C	1 Pint Can	1.20
IX-359D	1 Quart	2.25
IX-359F	1 Gallon	6.75

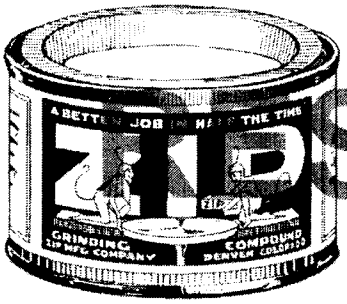
FOR RESEARCH PURPOSES ONLY

Dutch Brand Valve Grinding Compound

A scientific mixture of abrasive and oil, free from magnetic properties or injurious ingredients of any kind. Cuts quickly. Furnished in coarse for roughing and fine for polishing. Put up in ½ inch by 2½ inch collapsible tubes. Packed in attractive counter display boxes.

FX-360C—½ by 2½ inch tube, coarse ..... $ .10
FX-360F—½ by 2½ inch tube, fine ..... .10

Zip Grinding Compound



Zip valve grinding compound is made of fast cutting, lasting abrasives and non-lubricating materials. Contains no emery, glass, acid or grease. Zip saves valves, being guaranteed not to cause rings. Should rings be caused by using another compound, they can quickly be ground out with zip, thus saving filing, reaming or refacing. Lapping cylinders is easy, when using Zip. Zip Works equally well on brass or tungsten.

KX-360B ..... $ .50

Chain—O—Lene

The new chain lubricant and preservative which is not graphite. Will not drip or throw. Insures smooth, easy riding, reduces friction and keeps your chain rolling in a film of oil.

FX-363—Motorcycle size, tube ..... $ .35

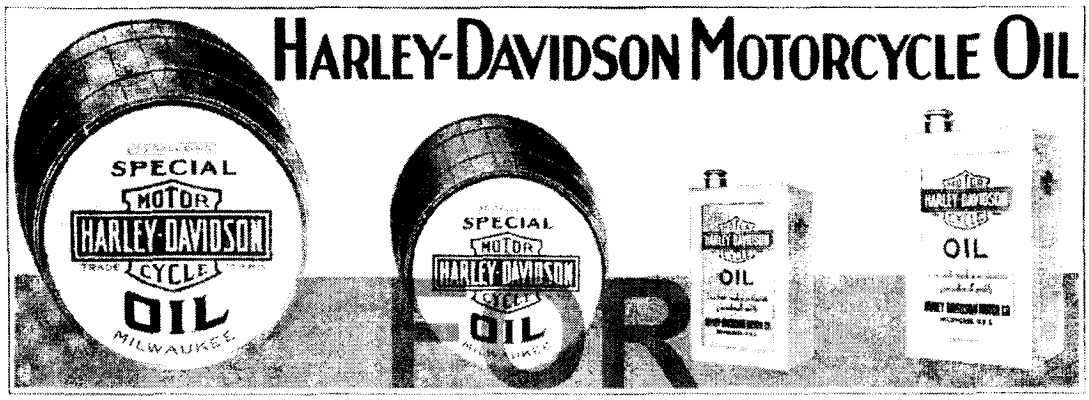
Three-In-One Oil

The sterling qualities of 3 in 1 oil are well known. Put up in a convenient, handy, three ounce can. This is fitted with a special spout that can be made absolutely tight with the screw cover.

Put up in a neat counter display box containing one dozen cans.

FX-379 Per can ..... $ .30

FOR SEARCH PURPOSES ONLY



Harley-Davidson Motorcycle Oil

In Harley-Davidson oil, you are offered the very best of air cooled motor oil particularly adapted for use in the Harley-Davidson motor. The latest and most scientific instruments and testing apparatus guard the contents of the containers bearing the Harley-Davidson oil label. Detailed specifications are placed with the refiners but before acceptance, every car of oil must measure up to the rigid requirements insisted upon by Harley-Davidson engineers. The exclusive use of this oil assures best motor performance.

Harley-Davidson oil is avaliable in the following grades:

Summer oil, for use during warm weather.

Winter oil, for the winter months.

Extra heavy racing oil, used only for racing purposes and for special motors.

For lubricating the three-speed, use the same weight of oil as used in the motor during the various seasons.

SUMMER OIL

DX-349A	1 Gallon Can	$1.75
DX-349B	5 Gallon Can	7.75
DX-349D	½ Barrel (30 Gal.) Per Gallon	1.15
DX-349E	1 Barrel (50 Gal.) Per Gallon	1.10

WINTER OIL

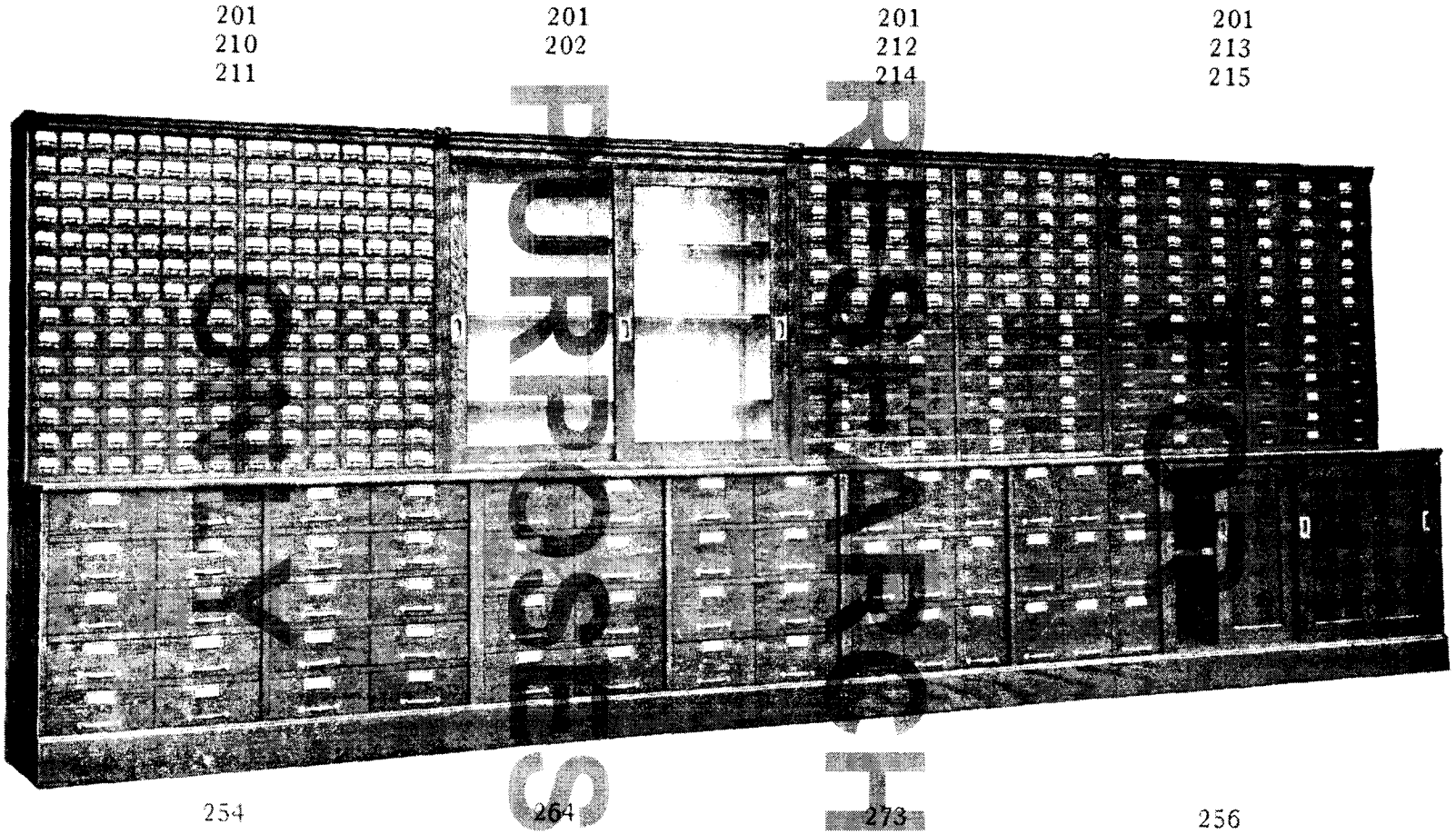
FX-349A	1 Gallon Can	$1.80
FX-349B	5 Gallon Can	7.75
FX-349D	½ Barrel (30 Gal.) Per Gallon	1.15
FX-349E	1 Barrel (50 Gal.) Per Gallon	1.10

SPECIAL RACING OIL

This is a specially refined oil for racing purposes and should also be used for all 500 motors.

HX-349A	1 Gallon Can	$1.85
HX-349B	5 Gallon Can	8.25

RESEARCH PURPOSES ONLY



Illustrating several sections of the Heller cabinet line assembled as one unit. For complete information, write for illustrated catalog.

Sun Show Cases

No. 114—Illustration shows an 8-foot Case fitted with a two-piece Bevel Plate Glass Top

No. 120—Illustration shows a 6-foot Case fitted with a two-piece Bevel Plate Glass Top

For complete information, write for catalog.

FOR RESEARCH PURPOSES ONLY

Complete Big Twin Tool Kit

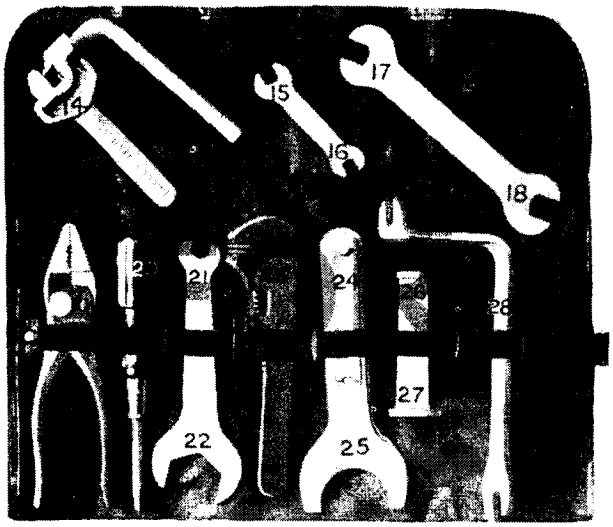


Photo No.	Stock No.	Name of Tool	Price
	GK-266P	Complete tool kit	$4 00
14	GK-739	Chain repair tool	65
15–16	AK-2	Rear axle adjusting screw wrench	10
17–18	DK-38	Pedal pin and gas pipe nut wrench	15
19	AK-269	Pliers	60
20	CK-270	Screw driver	30
21–22	GK-65	Exhaust valve cover and lifter pin nut wrench	20
23	DK-809	Monkey wrench	85
24–25	FK-822	Inlet housing clamp nut and casing stud nut wrench	50
26–27	DK-805	Clutch pull rod nut wrench	15
28	GK-807	Transmission mounting stud nut wrench	30
35	AK-267	Tool roll only	50

RESEARCH PURPOSES

Complete Sport Model Tool Kit

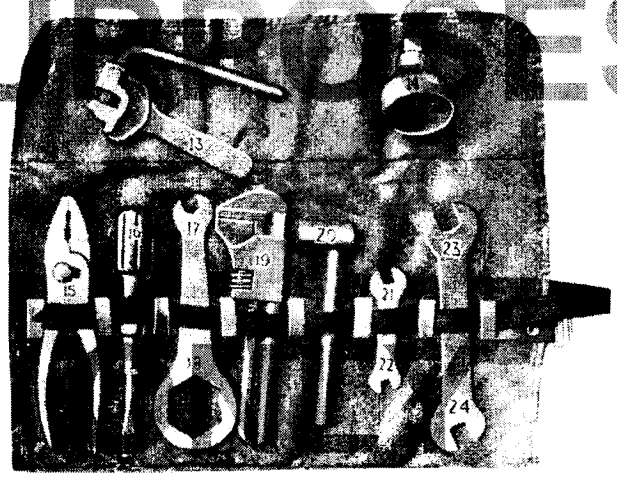
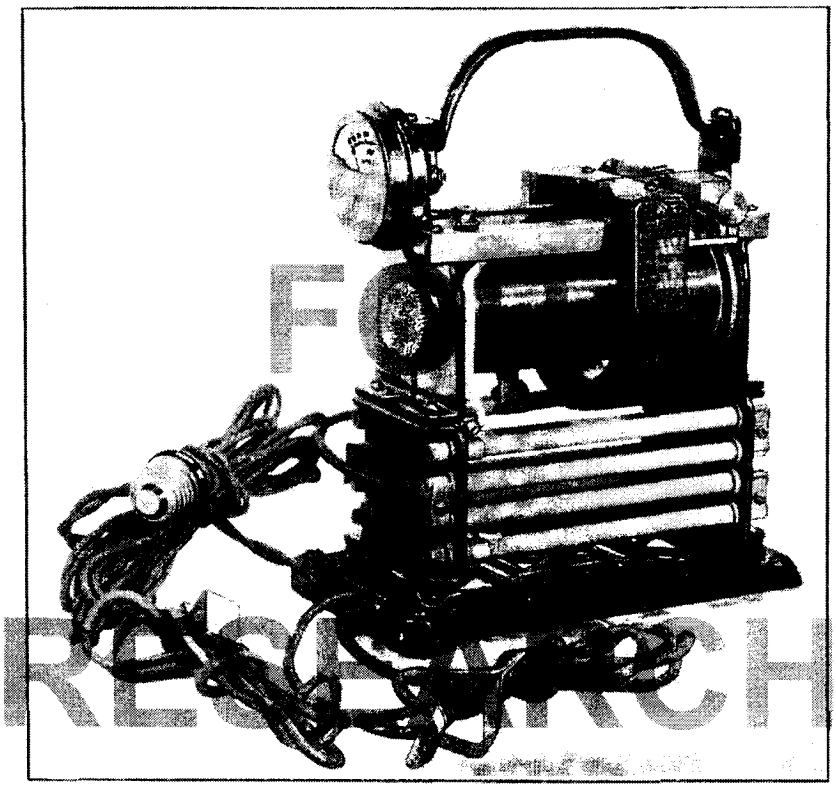


Photo No.	Stock No.	Name of Tool	Price
	WGK-1104	Complete tool kit	$3 75
13	GK-739	Chain repair tool	65
14	AWHK-1109	Flywheel puller	44
15	AK-269	Pliers	60
16	CK-270	Screw driver	30
17–18	WGK-1101	Valve chamber cap wrench	16
19	DK-809	Monkey wrench	85
20	AWGK-1100	Cylinder base stud nut wrench	24
21–22	AK-2	Rear axle adjusting screw wrench	10
23–24	DK-38	Pedal pin and gas pipe nut wrench	15
30	AK-267	Tool roll only	50



F F Battery Charger

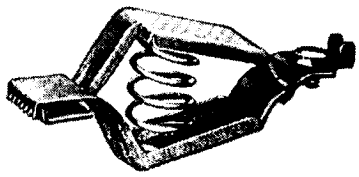
This rectifier operates on alternating current and can be conveniently used by every dealer for battery charging. If direct current is available this apparatus is not necessary.

The rectifier is generally constructed for use with 110 volt alternating current of 60 cycle frequency. This is the most commonly used current, but before ordering the rectifier we suggest checking up to see if your voltage and cycle frequency are 110 and 60 respectively. If they are not, advise us accordingly when ordering.

GX-451	Rectifier Complete	$30.00
GX-451A	Carbon Brushes	.35
GX-451B	Vibrator Springs	.65
GX-451C	Rheostat Carbons	.65

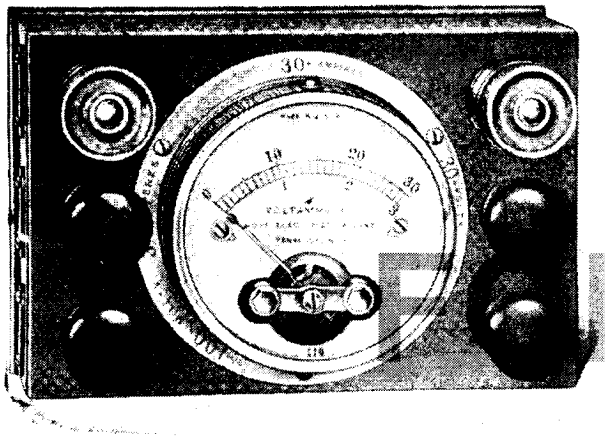
Battery Charging and Testing Clips

These convenient snap clips are extensively used in electrical work as a ready means for connecting inspection or test lamp wires, ammeter circuits and battery terminals for charging. In battery charging the teeth bite through the corroded battery terminals and make a good contact. The clips are protected from acid fumes by a lead coating.



IX-460 ..... $ 20

The Hoyt Rotary Voltammeter



This voltammeter has been thoroughly tested and approved by our engineering department for use in every up-to-date motorcycle repair shop.

An instrument of this type may be put to many uses. For instance: as an ammeter, it will determine the output of the generator current at which the battery is discharging, current consumption of lamps, horn and other equipment, the conditions of dry cells and current rate when charging batteries from an external direct current circuit; as a voltmeter, it will ascertain the condition of the wiring, the voltage of the battery cells when charging or discharging and detect leaks, grounds, short circuits or open circuits in armature windings, field coils or commutators of generators.

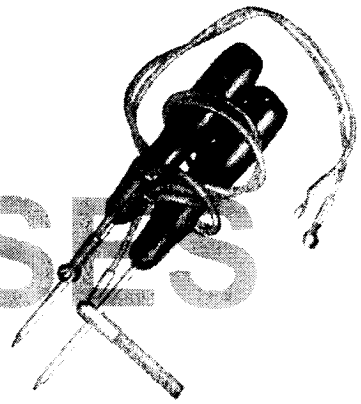
Complete and comprehensive instructions are sent with each instrument.

HX-452 . . . . . $19.00

Voltmeter and Cadmium Testing Prods

When making voltage tests of battery cells suitable wires, connections and prods are essential. These prods are made of steel, lead coated to prevent acid from destroying them, and are fitted to strong wooden handles. Heavy rubber covered wires and special meter terminals are provided.

The cadmium stick mounted on one of the prods may be used for making cadmium tests of each individual battery cell. An instruction book fully covering cadmium testing is included with each set of prods.



IX-459 . . . . . $4.00

Exide Storage Battery Hydrometer

A tested hydrometer that will give you accurate readings at all times. Each hydrometer is carefully packed to guard against breaking in shipment.

KX-133 . . . . . $1.25

Hydrometer Parts

DX-134	Hydrometer float	$ .65
DX-135	Hydrometer syringe	.65
DX-136	Syringe glass only	.40
DX-137	Bulb for syringe	.20

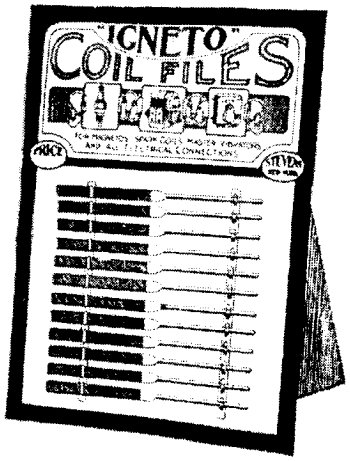
FOR RESEARCH PURPOSES ONLY

Platinum Contact Point Files

These files have extremely fine cuts on both sides and are thin enough to get in between circuit breaker points and clean and surface them without taking off too much of the valuable metal.

Mounted on an attractive display card for the dealer.

FX-461 . . . . . $ .15



Magneto and Model 250 Generator Gear Puller

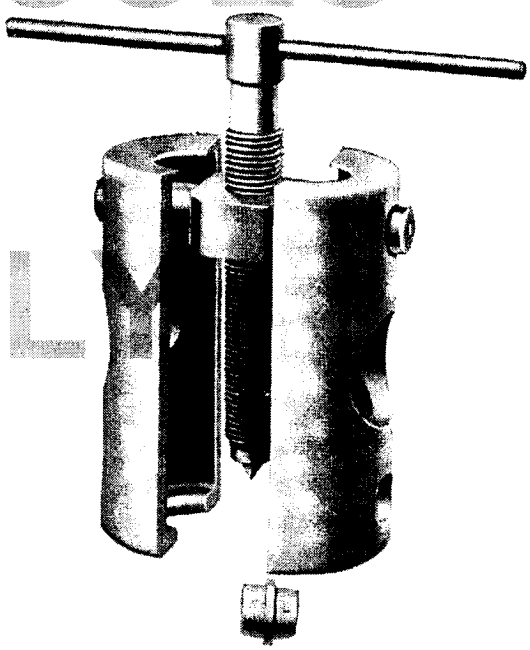
A specially designed tool for removing magneto and generator drive gears on 1916 to 1918 models, excepting models using the 235 Remy Generator.

FK-831 . . . . . $1.75

Combination Puller

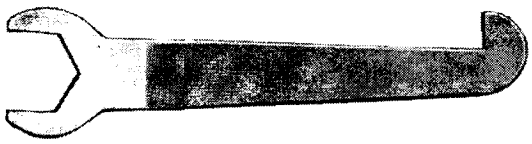
This puller is designed to remove the inner ball races from Bosch and Berling armature shafts, Harley-Davidson and Remy model 235 generator armature worm gears, and bearings, timer shaft gears and armature gears and all bearings from model 250 generator. It may also be adapted to other uses of a similar nature.

HK-840 . . . . . $2.80



RESEARCH PURPOSES ONLY

Remy 235 Model Cam Nut Wrench and Remover

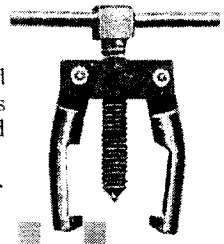


The open end for the nut is offset so that the circuit breaker cam nut can be removed easily. The hooked end of the tool is placed under the cam and with a prying motion the cam is removed from the tapered shaft.

HK-844 . . . . . $ .20

FOR

Cam and Gear Puller



The usefulness of this tool manifests itself in that it may be used for removing Harley-Davidson and Remy 235 models drive gears GA-903B, pushing the armature shaft out of the commutator end bearing and removing Remy 250 and 235 model timer cams.

The tool is of rugged construction and will endure severe usage.

GK-833 . . . . . $ .70

RESEARCH

Berling Magneto and Generator Third Brush Wrench

For adjusting Berling circuit breaker contact screws and gauging the gap of the points. It may also be used on the nut securing the generator third brush adjusting plate of all Harley-Davidson and Remy 235 Generators.

GX-1621. . . . . $ .16

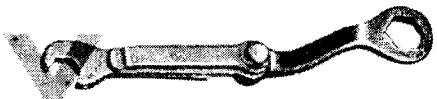
PURPOSES

Bosch Magneto Wrench

For adjusting platinum pointed screws and lock nuts on Bosch magnetos.

AK-423—For open type magneto . . . . $ .20
AK-424—For armoured type magneto 28

ONLY



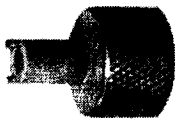
Harley-Davidson and Remy Generator Wrench

For adjusting the circuit breaker point screw on all types of generators. The wrench has a convenient gauge attached for measuring the gap between the points.

IR-102 . . . . . $ .10

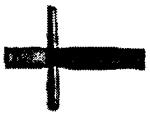
Spark Coil Nut Wrench

A convenient tool for use with the slotted nuts on Harley-Davidson and Remy generator spark coils.



FK-825C ..... $ .18

Model 250 Generator Switch Nut Wrench



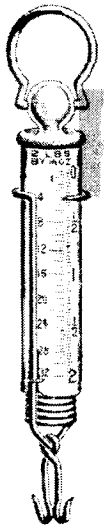
This socket wrench fits the lighting and manual switch nuts on Model 250 Generators. It also fits the nuts securing the lighting switch cover on 1918 and 1919 models as well as old style carburetor float valve nuts SC-26.

GK-860 ..... $ .38

Battery Post Sealing Nut Wrench

This special wrench is used for battery repairing as well as tightening the sealing nuts should they become loose and permit leakage of the electrolyte.

FX-1311 ..... $ .60



Mechanics Handy Spring Balance

This convenient spring balance may be used to measure the tension of generator brush springs, circuit breaker lever springs, carburetor air valve springs and postal matter up to two pounds. It is graduated in $\frac{1}{4}$ ounces and will prove most useful where a sensitive, accurate balance is required.

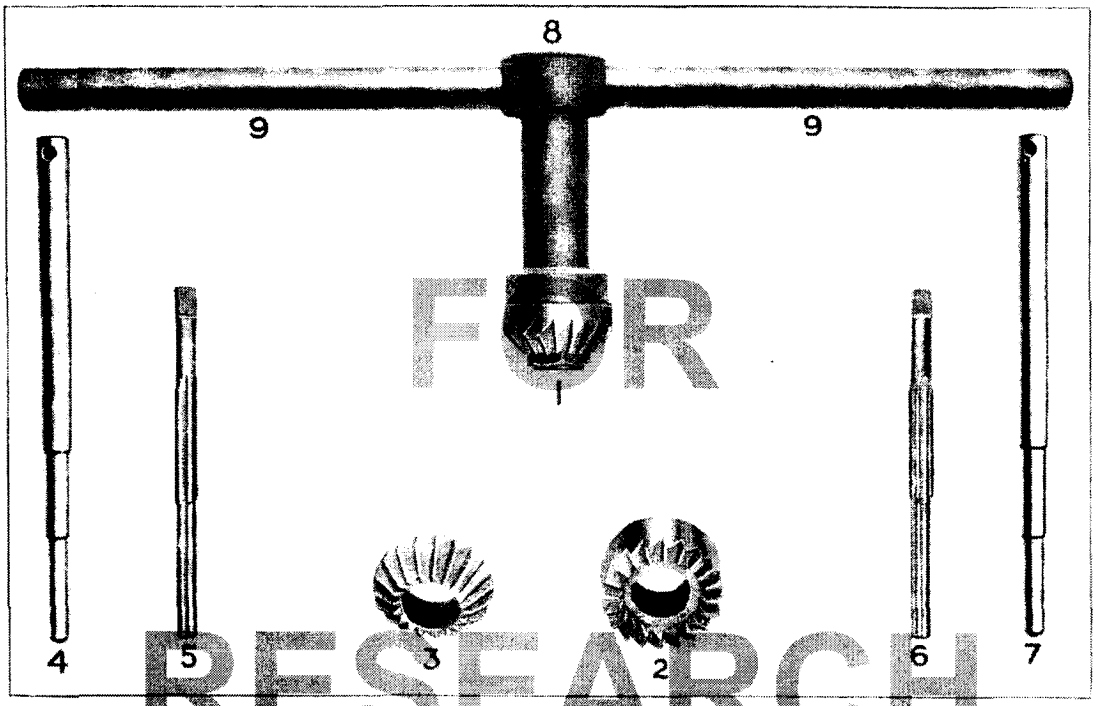
HX-462 ..... $1 .25

FOR RESEARCH PURPOSES ONLY

Generator and Magneto Testing Pulley

Owing to the popular demand for a driving pulley to bench test generators and magnetos, we have made a substantial 3 inch pulley for use with a 1 inch or $1\frac{1}{2}$ inch flat belt. The taper is made to fit all generators and magnetos used on Harley-Davidsons.

IR-210 ..... $2 .50



FOR RESEARCH PURPOSES ONLY

61" and 74" Cylinder Valve Chamber and Reseating Tools

The above illustration shows all the special reamers, cutters, pilots and guides necessary for reseating and making other repairs to both 61" and 74" cylinder valve chambers.

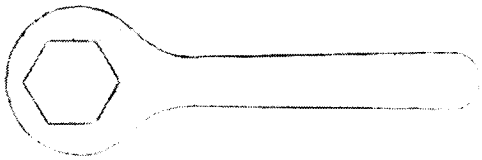
The holder body No. 8 is made to hold the 61" and 74" reseating cutters No. 1 and No. 3 respectively and the clearance cutter No. 2.

The standard pilot reamer No. 5 is used for both 61" and 74" cylinder valve guides. The 1-32" oversize reamer No. 5 is used for enlarging worn 61" cylinder valve guides to permit the use of 1-32" oversize exhaust valve stems. These reamers also clean out the guide holes to accept pilots No. 4 and No. 7.

The clearance cutter No. 2 can be used in all cylinder valve chambers since 1915. It fits the holder body and is made to remove the shoulder which may be caused by excessive reseating or wear of the valve seat. Cylinders with lowered valve seats will burn valves and cause the motor to overheat. Hence, the value of this cutter is obvious.

Photo No.	Factory No.	Description	Price
	KK-824	Complete as shown	$12 10
1	**FK-824A**	Seat cutter only, 61"	2 10
2	**FK-824H**	Seat cutter only, 74"	2 50
3	**JK-845A**	Clearance cutter only	2 10
4	**FK-824E**	Standard pilot	70
5	**FK-826**	Standard pilot reamer	1 75
6	**FK-823**	Oversize pilot reamer	1 50
7	**FK-824F**	Oversize pilot	70
8	**FK-824B**	Holders	1 75
9	**FK-824G**	Handles only, each	20

Inlet Housing Wrench

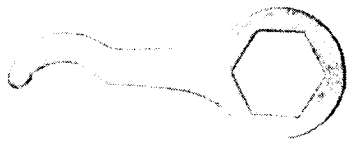


An extra heavy wrench designed to remove 1914 and older model inlet housings.

CK-10 ..... $ .50

Combination Wrench

A combination wrench designed for light work for removing 1914 inlet housings, exhaust pipe clamp nuts and head cone lock nuts.



CK-56 ..... $ .25

Inlet Housing and Crank Case Wrench

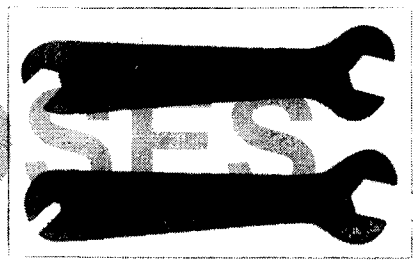
Two tools in one. Used to remove inlet housing collar nut, and also for removing casing stud nut.

FK-822 ..... $ .50

Exhaust Lifter Pin Adjusting Wrenches

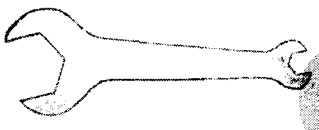
This pair of wrenches is specially designed for use when adjusting exhaust valve lifter pins, valve stem clearances and inlet push rods.

Sold in pairs only.



HK-827 ..... $ .40

Exhaust Valve Cover Wrench

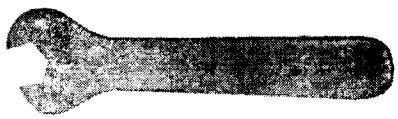


An exhaust valve cover wrench and 1/4 inch nut wrench in one.

CK-65 —1917 and earlier models ..... $ .20
GK-65 —1918 and later models ..... .20

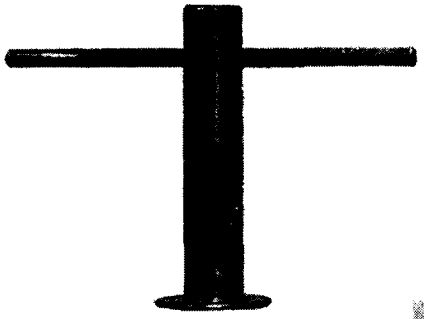
Exhaust Lifter Pin Bushing Wrench

A specially designed shop wrench to fit DA-738 exhaust lifter pin bushing. An ordinary wrench cannot be used on this bushing because of its design.



GK-870 ..... $ .45

FOR RESEARCH PURPOSES ONLY

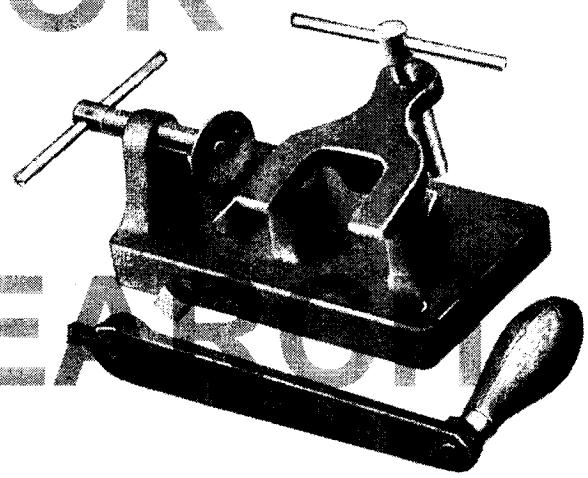


Inlet Housing Grinder Tool

The importance of having the inlet housing absolutely air tight to prevent leakage of compression is obvious. A perfectly tight fit can not be obtained unless the inlet housing is ground in on the cylinder seat. This tool provides the only satisfactory method for doing this work.

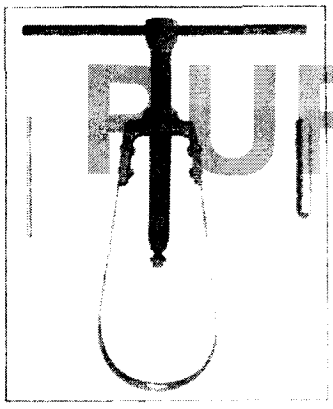
GK-864 . . . . . $1.40

Valve Refacing Tool



In answer to repeated calls for a device of some kind for refacing valves, we offer this special tool which does the work very satisfactorily without the use of a grinder or lathe. Merely set the valve in place, screw down the holding clamp, attach the small handle and turn the valve—the cutter does the work. Cutter is made of high grade steel and can be sharpened whenever it becomes dull.

IX-463 . . . . . $2.00

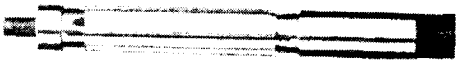


Piston Pin Fitting Tool

This tool enables one to quickly fit or remove piston pins without injury to the piston proper. Owing to the flexibility of the tool, it may be used on sport model, 61″ and 74″ pistons with equally satisfactory results.

IK-799 —Complete with pins $3.50
FK-799G —Remover pin only 20
FK-799I —Guide pin only 12

Piston Pin Bushing Expansion Reamer



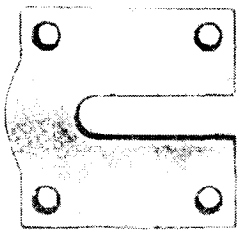
This 39/64″ expansion reamer can be used for fitting all types of Harley-Davidson piston pins to connecting rod bushings and piston bosses. With this tool and a supply of oversize piston pins, the dealer will be in a position to quickly repair excessively worn piston pin bushings.

The reamer is made to expand to .010″ oversize.

EK-335 . . . . . $4.00

FOR REFERENCE PURPOSES ONLY

Piston Squaring Plate



This plate is used to square the piston to prevent possible side friction of the piston against the cylinder wall. By placing this on crank case and turning the motor until the piston bears lightly on the plate, a twisted or bent connecting rod can be quickly detected. The rod can then be bent or twisted until the piston sets perfectly square on the plate.

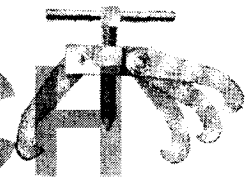
GK-855—61" and 74" Models . . . $2.10

Piston Pin Set Screw Wrench

A socket wrench for removing AA-14 piston pin set screw on all 1911 and 1912 models.

AK-429 . . . . . $ .25

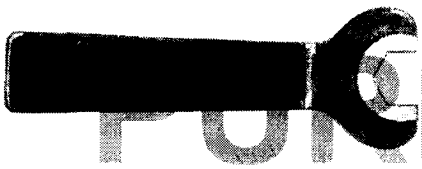
Sprocket Puller



This is a specially designed puller to remove both odd and even toothed engine sprockets without difficulty. It can also be used for removing EG-601 starter main shaft gear used on all rear stroke starter models since 1916.

HK-332 . . . . . $ .85

Cylinder Plug Wrench



An open end wrench designed to be used for tightening up the cylinder plug while the motor is in the frame.

GK-861 . . . . . $1.00

Cylinder Plug Wrench

An extra heavy forged socket end wrench designed for heavy shop use on cylinder plugs when the motor is out of the frame.

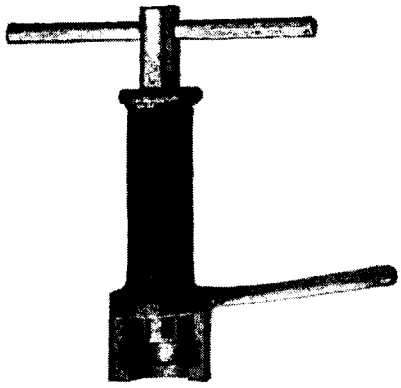
GK-865 . . . . . $2.80

Fly Wheel and Sprocket Shaft Nut Wrench

A heavy wrench for shop use to fit fly wheel gear shaft and sprocket shaft nuts, sport model fly wheel nuts and on the earlier models handle bar end nuts and crank nuts.

AK-59 . . . . . $ .28

FOR RESEARCH PURPOSES ONLY

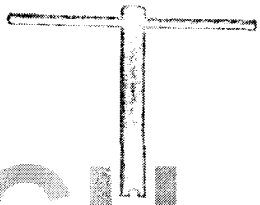


Pinion Gear Puller

Owing to the tight press fit of the pinion gear on the shaft a suitable puller must be used to prevent possible damage to the pinion gear, shaft or casing boss. The puller was designed specially for this purpose and every dealer should have one.

GK-859 ..... $3.20

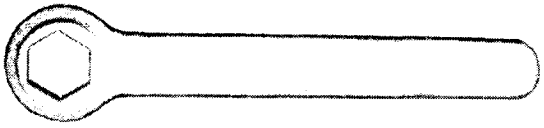
Crank Case Stud Nut Wrench



Made specially for shop use for removing crank case stud nuts.

GK-35 ..... $ .40

Crank Pin Nut Wrench



A drop forged wrench designed for use on the fly wheel crank pin nuts on all models since 1915.

GK-854 ..... $1.30

Exhaust Pipe Nut Wrench

A drop forged wrench that is specially designed for shop use on exhaust pipe nuts.

DK-810 ..... $. 45

Relief Pipe Connection Wrench

A shop tool for removing DA-820 relief pipe connections on all models since 1915.

GK-866 ..... $ .45

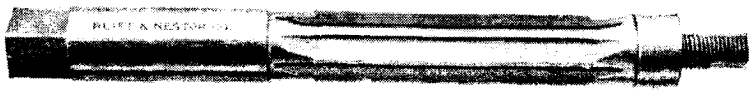
FOR RESEARCH PURPOSES ONLY

Crank Case Lining Bar

It is very essential that the crank case be lined up perfectly if the motor is going to give satisfactory service. It is almost impossible to line up a crank case without the use of this bar. The collar, not shown, is furnished to be used as a spacer on the sprocket side crank case so that a perfect alignment can be obtained.

GK-862 ..... $2 15
GK-862-B Collar ... 50

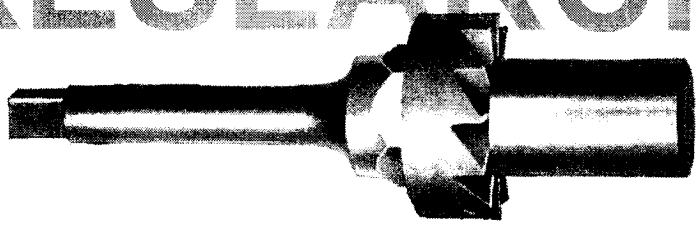
Gear Shaft Bushing Expansion Reamer



This 15-16" expansion reamer can be used for fitting all types of Harley-Davidson gear shafts to the crank case bushing. The reamer is made to expand to .010" oversize.

EK-336 ..... $7 00

Crank Case Bushing Facer



This tool is designed to face off the thick shoulder of the crank case bushing after it has been pressed into the case. The cutter is made of the very best of tool steel and will give long service when handled in the proper way. Should the cutter become dull, it may be removed and referred to us for sharpening.

The tool may be operated by a large drill press, hand tap wrench or temporarily held in a vise while the case and bushing are being turned by hand.

See Bulletin No. 84 for instructions.

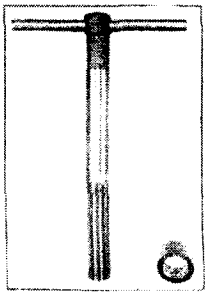
GK-878 Complete as shown $1 70
GK-878B Cutter only 1.40

Reamer For DA51P Right Crank Case Bushing

After pressing bushing DA-51P into the crank case, it is necessary to ream the hole to give the proper clearance for the gear shaft. This is a rather difficult operation without a suitable reamer and guide because the hole may be reamed out of alignment with a common expansion reamer and cause the flywheel shafts to bind.

The proper method of reaming the gear shaft bushing calls for a slight taper to give perfect freedom to the flywheel shafts under all working conditions.

This special reamer is taper ground to provide the correct clearances for both standard and .002" oversize gear shafts. (These can now be regularly furnished.) When the original bushing is not excessively worn, it can be reamed oversize and a new .002" oversize shaft used. This tool will, therefore, give a long range of service for replacing or repairing worn gear shaft bushings and is absolutely essential in every Harley-Davidson repair shop



KK847	Complete as shown	$6.00
KK847A	Reamer only	5.00
KK847B	Handle only	.15
KK847C	Bushing only	.75

FOR RESEARCH PURPOSES ONLY

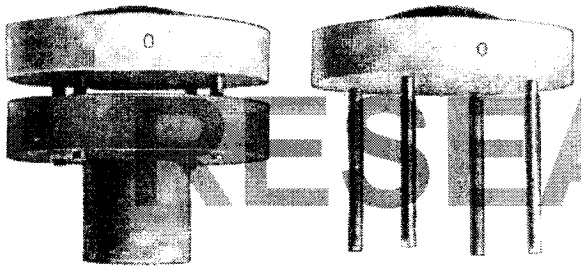
Connecting Rod Lower Bushing Lapping Arbor

This is the only tool that can be used with satisfactory results for lapping the steel bushings in the connecting rod when fitting standard or oversize roller bearings.

See Bulletin No. 68 for full particulars.

FK-828	For 1915 to 1922 models	$8.40
FK-830	For 1912 to 1914 models	8.40
FK-828E	Lap only for FK828	3.20
FK-830A	Lap only for FK830	3.20

Left Crank Case Bearing Bushing Tool

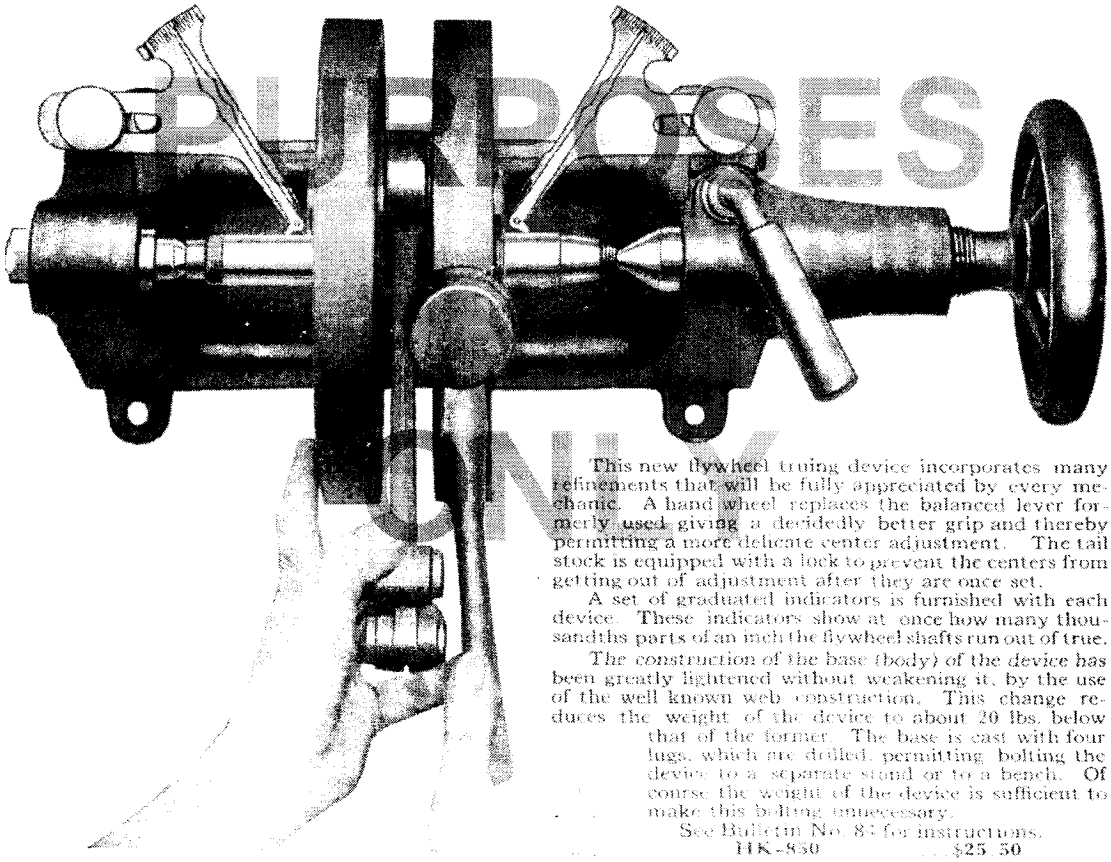


The left crank case bearing bushing is pressed in place extremely tight and cannot be safely removed without the aid of this tool.

See Bulletin No. 78 for full instructions.

GK-834 ..... $3.50

New Fly Wheel Truing Device



This new flywheel truing device incorporates many refinements that will be fully appreciated by every mechanic. A hand wheel replaces the balanced lever formerly used giving a decidedly better grip and thereby permitting a more delicate center adjustment. The tail stock is equipped with a lock to prevent the centers from getting out of adjustment after they are once set.

A set of graduated indicators is furnished with each device. These indicators show at once how many thousandths parts of an inch the flywheel shafts run out of true.

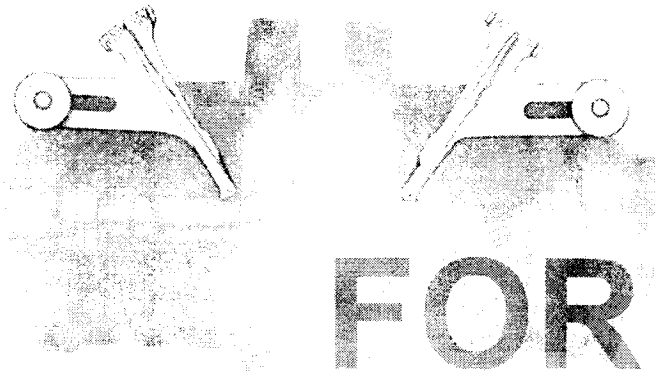
The construction of the base (body) of the device has been greatly lightened without weakening it, by the use of the well known web construction. This change reduces the weight of the device to about 20 lbs. below that of the former. The base is cast with four lugs, which are drilled, permitting bolting the device to a separate stand or to a bench. Of course the weight of the device is sufficient to make this bolting unnecessary.

See Bulletin No. 84 for instructions.

HK-850 ..... $25.50

FOR RESEARCH PURPOSES ONLY

Indicators for Old Style Flywheel Truing Device



The graduated indicators furnished with the new style flywheel truing device are made adaptable to the old style device by means of a special stud and nut.

The illustration shows one of the old devices equipped with these indicators.

HK-880 . . . . . $2.80

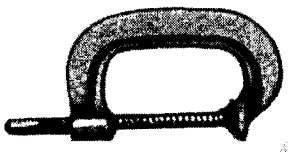
See bulletin No. 8 for instructions for attaching and use.

Copper Hammer

Specially designed for truing fly wheels but can be used wherever a heavy blow is necessary without leaving hammer marks. Weighs two pounds.

FK-328 . . . . . $0.80

"C" Clamp



A set of strong metal "C" clamps are an asset to any repair shop. They can be used when adjusting the fork stem cone, truing flywheels and any place where a clamp is necessary. Furnished in 2½" and 4" sizes.

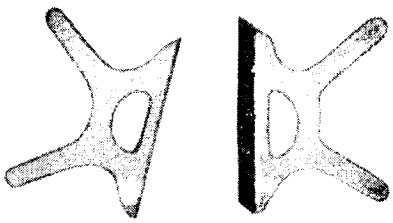
Prices on request.

Copper Vise Jaws

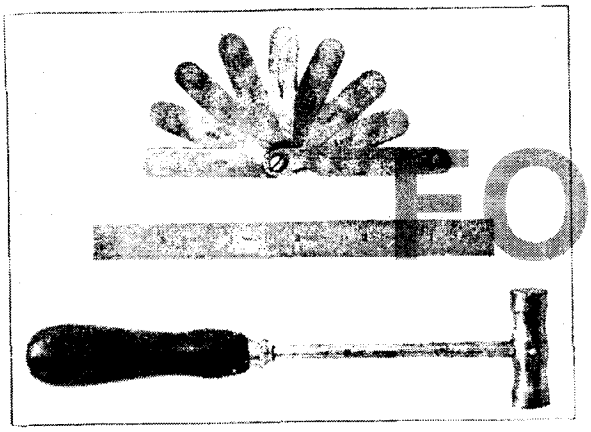
To be put on vise jaws when clamping hardened, ground surfaces or parts that are likely to become injured by the plain steel jaws.

Made to fit a 4 inch vise.

FX-475. . . . . $1.50



FOR RESEARCH PURPOSES ONLY



Thickness Gauge

This gauge has nine leaves as follows: .0015, .002, .003, .004, .006, .008, .010, .012, .015. The leaves are carefully tempered and have the dimensions plainly marked on them.

EK-330 ..... $1.80

Graduated Scale

A 6-inch flexible steel scale for timing motors and for general shop use.

EK-329 ..... $1.05

Graduated Scale

A 6-inch rigid scale, heavier than the flexible scale.

EK-329A $1.20

Brass Hammer

A small brass hammer made specially for removing magneto and generator gears. Can also be used for other light work.

EK-331 ..... $ .88

FOR RESEARCH PURPOSES ONLY

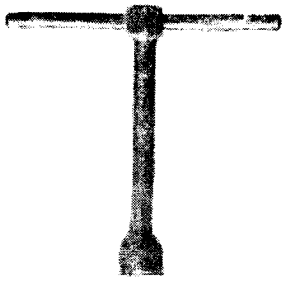
Open End Wrenches

Made of the very best dropped forged steel, heat treated and lacquered to prevent rusting. These wrenches fit the various hexagon nuts used on the Harley-Davidson.

CK-434—Milled openings, 7-16 inch—5/8 inch $ .25
CK-435—Milled openings, 5/8 inch—3/4 inch .50
CK-802—Milled openings, 5-16 inch—13-32 inch .30
CK-803—Milled openings, 9-32 inch—11-16 inch .35
CK-804—Milled openings, 7-16 inch—1/2 inch .45
AK-435—Milled openings, 3/4 inch—13-16 inch .50
EK-816—Milled openings, 7-16 inch—9-16 inch .40

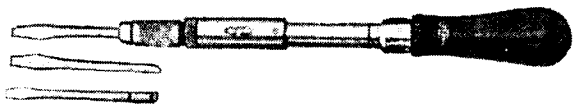
Socket Wrenches

Made of the very best drop forged steel, heat treated and lacquered to prevent rusting. Every shop should have one or more sets of these wrenches for general assembling. They fit Harley-Davidson hexagon nuts perfectly.



AK-430—7-16 inch hexagon nuts $ .65
AK-431—1/2 inch hexagon nuts .60
AK-432—9-16 inch hexagon nuts .60
AK-433—11-16 inch hexagon nuts .90
CK-801—5/8 inch hexagon nuts .90
EK-821—7/8 inch hexagon nuts 1.15
HK-839 Fits GO-501 Tank screw .40

Yankee Automatic Screw Driver



No shop equipment is complete without this handy instrument.

EK-325 . . . . . $2.75

FOR

Screw Drivers

RESEARCH

CK-270—Small size . . . . . $ .30
EK-326—With 6 inch blade 60
FX-711—With two inch blade for magneto adjustment 10

Sharp Nose Pliers

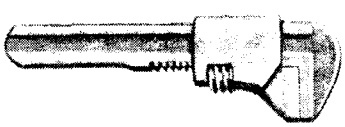
PURPOSES

Made from high grade steel forgings, nickel plated. Handles are knurled and well finished.

AK-269 . . . . . $ .60

ONLY

Monkey Wrench



A good substantial drop forged wrench that is guaranteed to give satisfactory service.

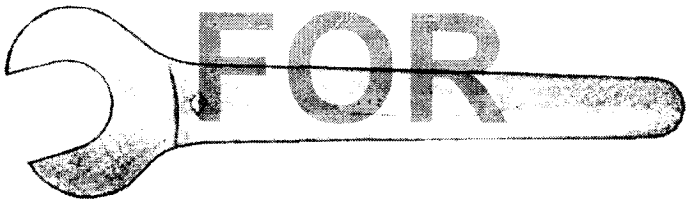
DK-809 . . . . . $ .85

Oiler Wrench

This wrench replaces the three oiler wrenches previously furnished. With it the plunger cap screw, operating shaft screw and oil window nut can be removed easily without damage to these parts. It can also be used to remove DG-588 sliding gear fork plunger screw.

FK-832 . . . . . $ .85

Manifold and Sidecar Nut Wrench

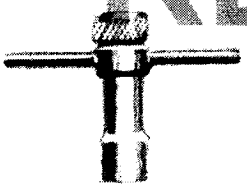


A single end drop forged wrench made to fit all carburetor manifold nipples and nuts on all motors since 1915.

This wrench fits perfectly, the sidecar ball joint nuts and every shop should have two of them just for this purpose.

GK-853 . . . . . $1.25

FOR RESEARCH PURPOSES ONLY

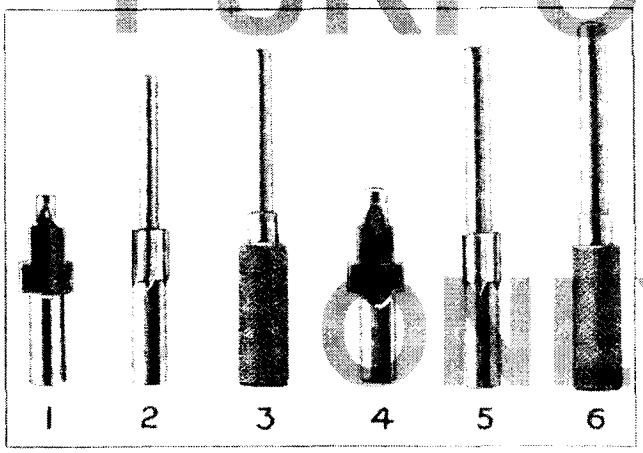


Carburetor Float Valve Nut Wrench

This wrench is made specially to fit the float valve nuts on all Schebler carburetors since 1916.

EK-819 . . . . . $ .45

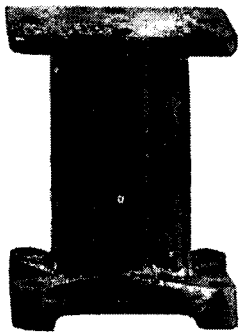
Schebler Carburetor Monel Bushing Tools



When the body throttle shaft bearing and the throttle shaft proper have worn enough to permit excessive air leaks and cause difficult carburetor adjustment, satisfactory repairs can be made by boring and reaming the body and fitting a monel bushing and a monel bushed throttle shaft. A carburetor repaired in this way will work practically as good as new.

This set of six special tools is designed for fitting monel bushings to all 61" and 74" types of Schebler carburetors.

Photo No.	Stock No.		Price
	KX-480	Set complete as shown.	$4.90
1	KX-480A	Boring tool for 61" bodies	$1.15
2	KX-480B	Bushing reamer for 61" bodies	.95
3	KX-480C	Bushing drift tool for 61" bodies	.40
4	KX-480D	Boring tool for 74" bodies	1.15
5	KX-480E	Bushing reamer for 74" bodies	.95
6	KX-480F	Bushing drift tool for 74" bodies	.40



Three Speed Assembling Stand

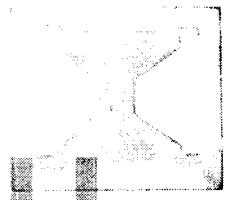
A very convenient shop fixture. With this stand a three speed may be clamped on the bench and repairs or adjustments made with much greater speed than by any other method. The time saved will pay for this stand in a very short time.

GK-851 . . . . . $1.40

FOR

Three Speed Wrench

An inexpensive shop tool specially designed to be used in connection with a heavy monkey wrench for removing ball bearing housings and lock nuts on three speeds.



DK-811 . . . . . $ .30

RESEARCH

Square Shank Screw Driver

An extra heavy screw driver with a square shank so that a wrench may be used on large and stubborn screws. Specially adapted for removing three speed countershaft.

EK-337 . . . . . $1.10

PURPOSES

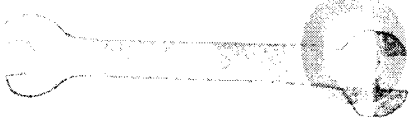
Oil Hole Plug Wrench

A drop forged wrench made for removing the gear box oil hole plugs.

EK-820 . . . . . $ .65

Gear Box Wrench

ONLY



A double open end offset wrench specially designed to fit gear box mounting stud nuts for making front chain adjustment.

GK-807 . . . . . $ .30

Clutch Pull Rod Nut Wrench

Specially made for adjusting clutch pull rod nuts BO-680 and BO-681.

DK-805 $ .15

Clutch Wrench

This is a specially designed shop wrench providing the only satisfactory method of removing the clutch from the three speed.

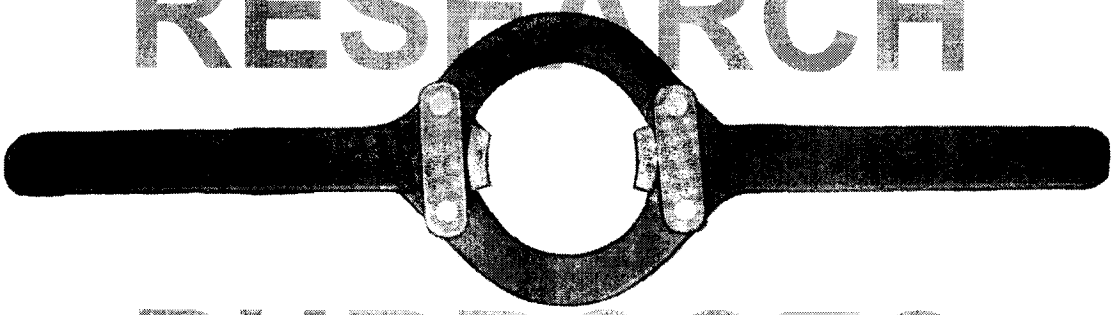
DK-806 . . . . . $ .50

Clutch Wrench

Shop wrench which fits AG-15 driving disc lock nut and EG-14 driving hub lock nut on 1915 to 1917 three speed models, and GG-14 driving hub lock nut on 1918 three speeds

GK-17 . . . . . $ .85

Clutch Wrench



An adjustable shop wrench to fit AG-13 driving hub nut on 1912 to 1918 models except three speeds; DG-13 driving hub nut on 1915 to 1917 three speed models; GG-13 driving hub nut on 1918 three speed models and AG-14 driving hub lock nut on 1912 to 1920 models except three speeds.

CK-800 . . . . . $1 75

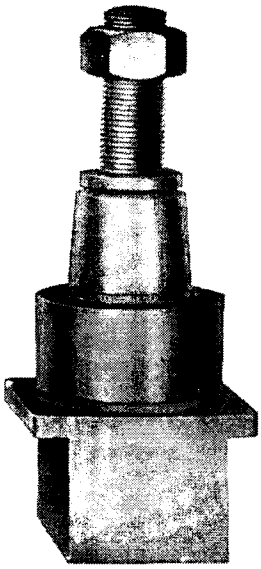
Clutch Arbor

This arbor is used for testing the 1919 type clutch after an overhauling. The arbor will allow of testing the clutch before it is placed on the machine, avoiding the necessity of removing the clutch from the machine to permit overcoming a slight drag, or some other difficulty.

With the earlier type of clutch no arbor is needed. The clutch is tested with a press.

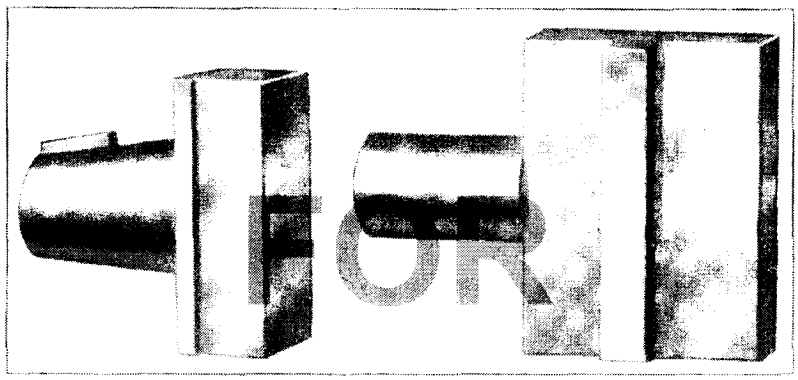
For 1919 and later type clutches.

HK-876 . . . . . $2 15



RESEARCH PURPOSES ONLY

Clutch Repair Jigs



This very handy set of jigs hold clutch hubs DG-534P, GG-534P, DG-215 and AG-9 when making adjustments to the ball and roller bearing cones and lock nuts. The jigs are made to be used in connection with a vise.

GK-868 . . . . . $4.20

FOR RESEARCH PURPOSES ONLY

Rear Axle Nut Wrench

An especially made offset shop wrench to fit the rear axle nuts on all models since 1914.

GK-869 . . . . . $ .75

Actuating Worm and Rear Axle Nut Wrench

A tool kit wrench used on all two speeds and actuating worm cone. Also fits all rear axle nuts since 1915.

CK-264 . . . . . $ .15

Rear Axle Cone Adjustment Wrench

A very handy tool for adjusting rear axle cones and cone lock nuts.

GK-873 . . . . . $ .30

Sprocket Bearing Nut Wrench

A shop wrench designed for removing AE-718 sprocket bearing nut on all chain drive models except three speeds.

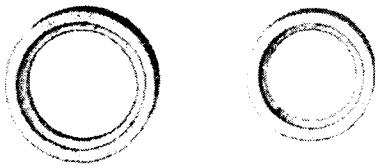
CK-411 . . . . . $ .64

Right Bearing Cup Wrench

A special shop wrench to be used on CG-352 right bearing cup. Used on all 1914 to 1918 single speed models except 10A.

CK-79 . . . . . $ .70

Hub Assembling Collars



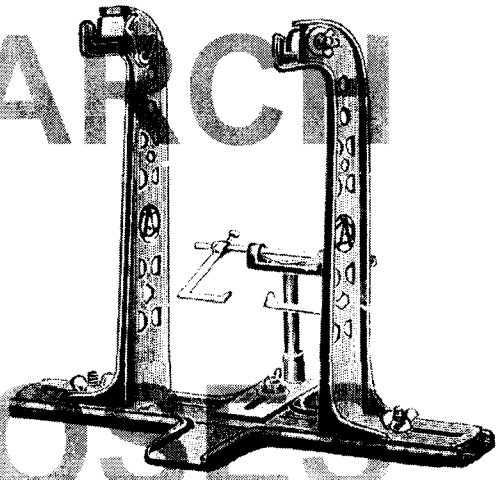
These are useful for contracting spring rings in assembling the front and rear hubs. Designed especially for our shop equipment.

GK-871—For front hubs . . . . $ 68
GK-872—For rear hubs 75

Dudley Wheel Truing Stand

A practical device for repairing and truing motorcycle, sidecar and bicycle wheels. With this stand, cones and axle end for truing sidecar wheels are included.

KX-470 . . . . . $11 55



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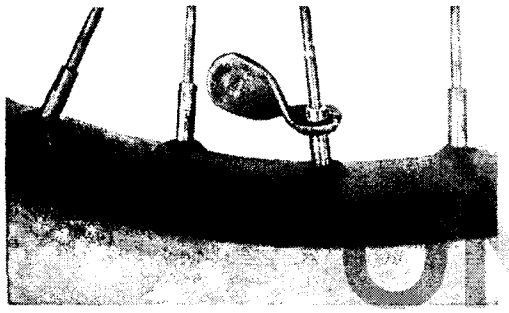


Spoke Nipple Wrench

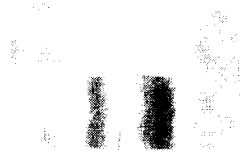
Spoke Nipple Wrench made of pressed steel. Fits spoke nipples used on 1918 and later models.

IX-474 . . . . . $ 25

Spoke Nipple Wrench

A special spoke nipple wrench for shop use only. Steel body with tool steel jaws. Fits spoke nipples on 1918 to 1922 models.

GK-863 . . . . . $ 70



Spoke Nipple Wrench

An extra heavy drop forged wrench for ordinary use.

BK-747—Fits spoke nipples used on 1914 and earlier models . . . . $ .40
DK-747—Fits spoke nipples used on 1915 to 1922 models 40

Two Speed Hub Wrench

To remove and adjust inner hub shell on all two speed models.

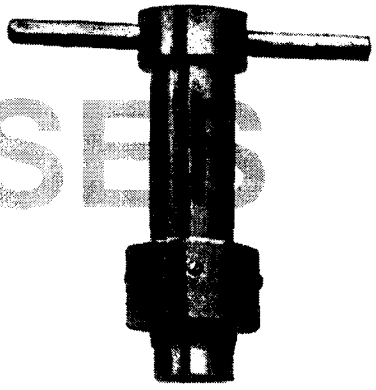
CK-6 . . . . . $1.05

Rawhide Mallet

Designed for use on work necessitating a heavy blow without damaging results.

EK-327 . . . . . $1.05
EK-327A—Extra ends . . .90

Fork Stem Die and Holder



This is specially designed to chase or straighten threads on rigid fork stem. Holder is so designed as to permit unhindered use of the die. The die is 1 9-64 inch—24 V thread adjustable.

GK-852 . . . . . $10.50

Johns-Manville Speedometer Wrench

An offset open end wrench especially designed to fit hexagon head tank screws used in connection with fitting the Johns-Manville speedometer bracket on the tank.

GK-867 . . . . . $ .40

Pedal Pin and Gas Pipe Nut Wrench

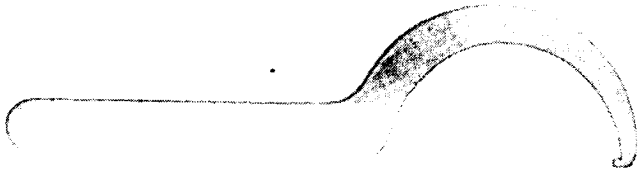
CK-38 1914 and earlier models $ .15
DK-38 1915 to 1922 models. 15

FOR RESEARCH PURPOSES ONLY

Countershaft Wrench

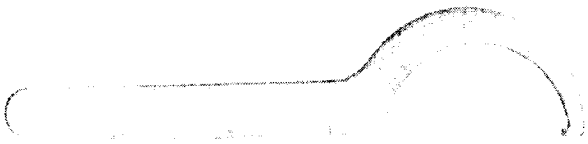
Designed for removing AE-719 sprocket bearing lock nut on all chain drive models except three speeds.

BK-746 . . . . . $ .45



FOR

Countershaft Wrench



This wrench is made for removing BG-320 drive pawl shell on 1914 to 1918 models except model 10A and three speeds. Also for AE-720 sprocket lock nut on 8E, 9B and 9E models

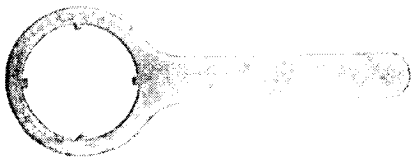
BK-745 . . . . . $ .38

RESEARCH

Eccentric Lock Nut Wrench

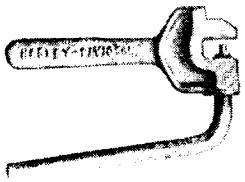
A light wrench made to fit CE-721 eccentric lock nut on all chain drive models except three speeds.

CK-713 . . . . . $ .20



PURPOSES

Harley-Davidson Chain Tool



This chain tool can be used on both the ¼ inch and ⅜ inch wide chain. Body drop forged, while the screw is made of special steel with a specially hardened inserted steel point. Guaranteed to do the work.

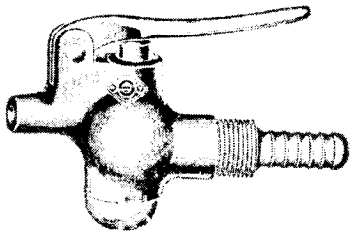
GK-739	Tool complete	$ .65
GK-742	Body only	.50
EK-756	Screw only	.20

ONLY

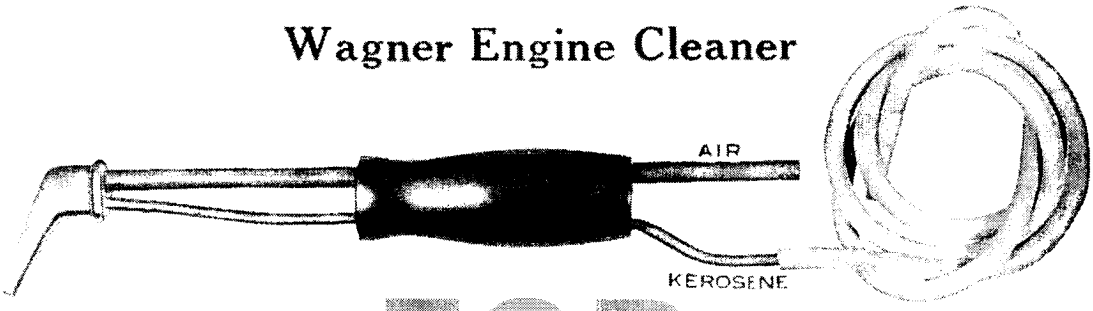
Air Line Blow Nozzle

To be used when there is an air line for cleaning and drying various parts after they have been washed in gasoline. It may also be used in connection with the Wagner engine cleaner.

IX-449 . . . . . $2.00



Wagner Engine Cleaner



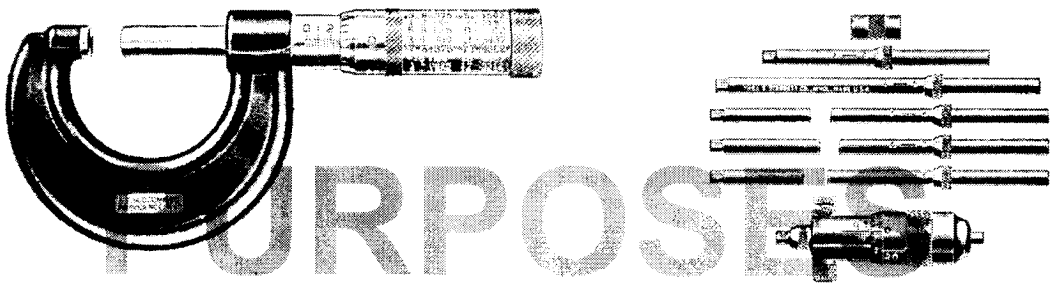
Just the thing for cleaning the oil off new machines. Something every dealer needs. You can clean places you cannot reach any other way.

It only requires six pounds of air pressure to operate it and one quart of kerosene will clean any size motor. No need of soiling the hands or using overalls to clean motor.

Place air line on tube marked "AIR" and insert rubber tubing furnished with cleaner in pail containing kerosene. It is necessary to have a constant flow of air. The cleaner cannot be worked by an ordinary foot pump.

HX-450 . . . . . $2.50

Micrometers



All parts of the Harley-Davidson are made to such close standards that they are inspected and checked for accuracy with instruments reading in thousandths and ten thousandths of an inch. Such parts as pistons, piston pins, cylinders, fly wheel shafts, crank pins and roller bearings must be accurately measured for proper clearances when making repairs to the motor.

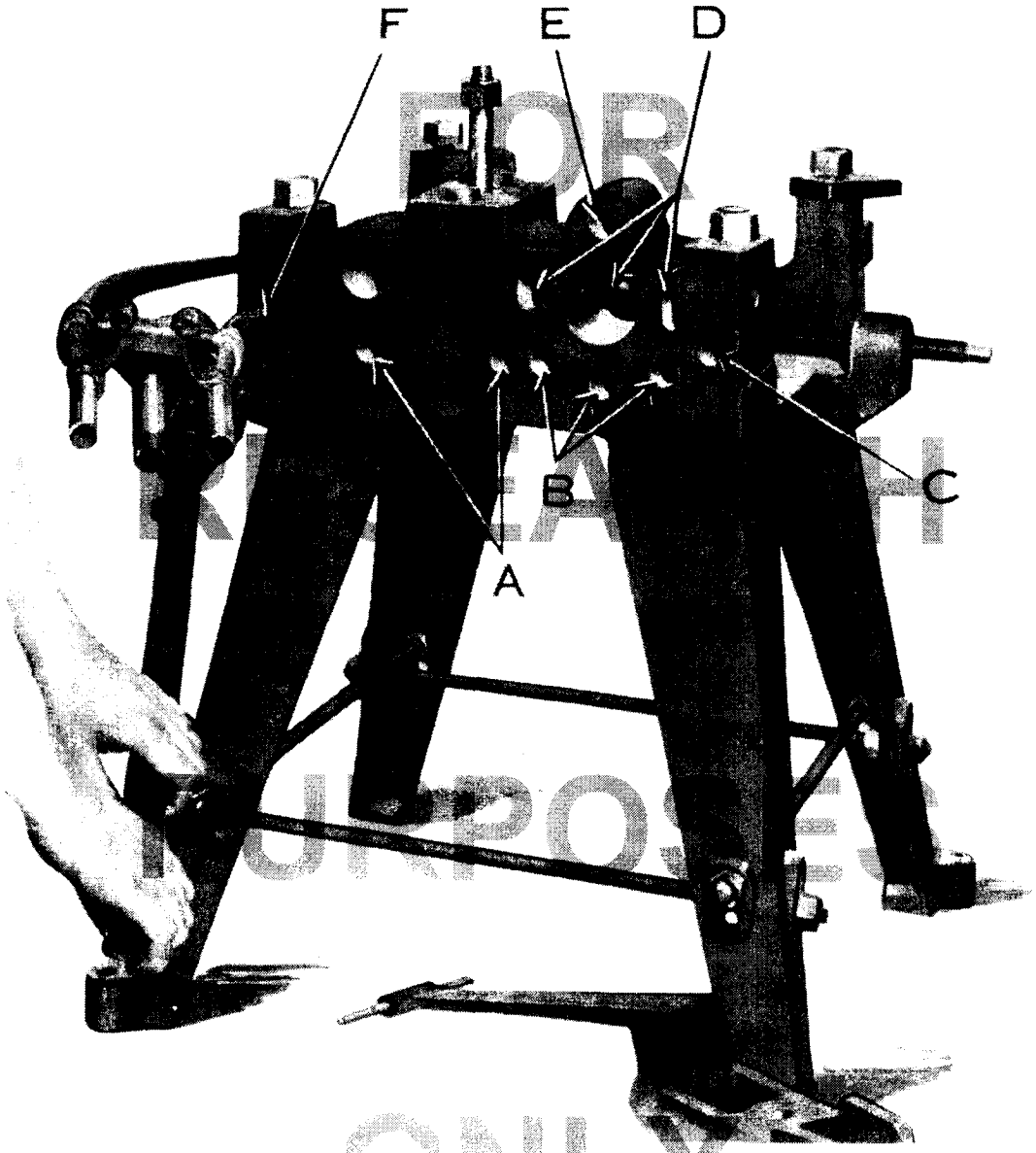
A repair shop without a complete set of micrometers is in no position to render first-class service to Harley-Davidson riders.

Each of the following micrometers is accompanied with complete and comprehensive instructions for their use.

HX-464	0 to 1 inch outside micrometer	$7.50
HX-465	2 to 3 inch outside micrometer	8.50
HX-466	3 to 4 inch outside micrometer	9.35
HX-467	2 to 8 inch inside micrometer	8.00

FOR RESEARCH PURPOSES ONLY

Combination Straightening and Aligning Table



The demand for a suitable table to assist in straightening and aligning frames and forks, prompted Harley-Davidson engineers to design just such an apparatus for dealers' repair shops. Initial cost has been kept in mind in making this table and after exhausting experiments and tests to determine the proper tool equipment and general lay-out we feel that we have produced a worth while combination and that dealers will appreciate this fact.

The range of work which can be done on this table covers most every phase of frame and fork alignment.

The table comes complete with 26 fixtures for various uses. Service Bulletin No. 87 fully covers the use of the table and fixtures.

GK-841 . . . . . $140.00

Fixtures Furnished With Table

FOR RESEARCH PURPOSES ONLY

List of Fixtures Furnished with the Table

Photo No.	Part No.	Name
1	GK-841A	Combination straight edge and fork squaring fixture
2	GK-841B	Rear sidecar chassis gauge
3	GK-841C	Front sidecar chassis gauge
4	GK-841D	Handlebar gauge
5-6	GK-841E	Flat head bars, 7/8" x 7", for upper fork stems
7	GK-841F	Sport model frame template
8	IK-829	Double hook bar for straightening forks, frames and sidecar chassis
9	GK-841G	Eye bolt to be used for leverage
10	GK-841H	Eye bolt to be used for leverage
11	GK-841I	Compression cap for fork assembling device
12	GK-841J	Bar used for frame heads 1 3/8" x 18"
13	GK-841K	Sport model frame head and seat post frame tube bar 1" x 14"
14-15	GK-841L	Bars used for straightening sport model fork above the crown 2 3/4" x 12"
16	GK-841M	Frame clamp and rear stay gauge
17	GK-841N	Concave block for sidecar frame tubing 2 1/2" x 2 1/2"
18	GK-841O	Concave block for motorcycle frame tubing, 2 1/2" x 2 1/2"
19	GK-841P	Concave block for rigid fork side bars, 2 1/2" x 2 3/4"
20	GK-841Q	Concave block for rigid fork side bars, 2 1/2" x 1 3/4"
21-22	GK-841R	Spring fork straightening bars, 15-16" x 30"
23	GK-841S	Frame head gauge with two collars
24	GK-841T	Bar used for straightening rigid fork stem 7/8" x 18"
25	GK-841U	Aligning bar for forks, 5-16" x 24"
26	GK-841V	Bar for straightening sport model fork stems 3-16" x 24"

Prices Furnished on Request

FOR RESEARCH PURPOSES ONLY

SPORT MODEL TOOLS

Cylinder Stud Nut Wrench

The location of the sport model cylinder stud nuts, makes it impossible to turn them satisfactorily without the use of a special wrench.

AWGK-1100 . . . . . $ .24

Valve Chamber Cap Wrench

This wrench is designed to fit the valve chamber caps and the valve lifter pin adjusting nuts. The valve chamber caps cannot conveniently be removed without it.

WGK-1101 . . . . . $ .16

Sport Model Flywheel Puller

The Sport Model flywheel is securely held on a tapered shaft, and unless a suitable tool is used when removing it, the result may be a damaged crank shaft.

Remove the lock nut and washer, then screw the puller on the hub of the flywheel and by tightening the set screw, the flywheel can easily be removed.

AWHK-1109 . . . . . $ .44

Spring Fork Tool

This tool will be found extremely valuable in replacing sport model fork spring guide rods. Its rugged construction makes it equal to the great force necessary to compress the large cushion spring.

See Service Bulletin No. 86 for proper use of the tool.

AWIK-1124 . . . . . $1.75

Starter Crank Spring Tool

This tool will enable one to replace the starter crank spring with very little difficulty. Owing to the design and location of spring, the value of this tool is obvious.

WIK-1200 . . . . . $ .32

Piston Squaring Plate

The connecting rods must be perfectly true. Any bends or twists in the rods will cause the pistons to be thrown out of alignment and affect the operation of the motor. The squaring plate will instantly detect bent or twisted rods. It is used in the same manner as on the big V twin motors.

WIK-1201 . . . . . $2.10

FOR RESEARCH PURPOSES ONLY

Valve Chamber Cap Socket Wrench

This special closed end wrench will easily remove the tightest valve chamber caps. It is of rugged construction and will withstand severest usage.

AWIK-1202 ..... $1.40

Valve Guide Reamer

When new valve guides are fitted to the cylinders they should be reamed to standard size to insure the proper valve stem clearance. Carbon deposits may also be removed from the guides with the aid of this reamer.

WIK-1209 ..... $2.05

Hand Reamer for Cylinder Valve Seats

When fitting new inlet and exhaust valves or refaced valves, the cylinder seats should be true and in perfect condition to insure a satisfactory job. This reamer is made for use with a hand tap wrench.

AWIK-1203 ..... $5.35

11-16" Expansion Reamer for Clutch Gear Bushing

When new bushings, WGA-456, are fitted to the clutch gear, it is necessary to ream them for proper clearance for the main shaft.

This reamer has an overall expansion of .010".

WIK-1204 ..... $5.25

Facing Tool for Clutch Gear Bushing WGA-456

The end thrust of the clutch gear on the transmission shaft is adjusted by the thickness of the bushing shoulder. New bushings must be dressed to give the proper end thrust, hence, the importance of this tool.

AWIK-1206 ..... $4.80

Cylinder Plug Wrench

To remove the cylinder plug for ignition timing and other purposes a suitable shop wrench is required. This substantially made wrench will remove the tightest plug without fear of breakage.

WIK-1207 ..... $4.20

Connecting Rod Lapping Arbor

To properly fit standard or oversize roller bearings to the lower connecting rod ends, requires that the steel rod bushings be ground or lapped. This arbor works on the same principle of the big V twin lapping arbor, therefore it requires no lengthy explanation of its usefulness.

AWIK-1208	Lapping arbor complete	$10.50
WIK-1208C	Lap only	4.35

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FOR RESEARCH PURPOSES ONLY

HARLEY-DAVIDSON

Approved Accessories

FOR

RESEARCH

PURPOSES

ONLY

Harley-Davidson Motor Co.

Milwaukee, Wisconsin

FOR

RESEARCH

PURPOSES

ONLY

APPROVED!

NOTICE the word "Approved" on the cover of this catalog and all through the book. It's a word that has come to mean a great deal to motorcycle accessory buyers when it stands between the words, Harley-Davidson, and, Accessories.

Every accessory listed in this catalog has been thoroughly tested by our engineering department and has only been approved after it has met their most exacting standards. The same engineers who design and test the Harley-Davidson motorcycles and sidecars, pass on the design, construction and serviceability of all the accessories offered by our accessory department.

We do not approve or offer for sale, accessories that are not useful or help riders get more pleasure and enjoyment out of their motorcycles. A great number of accessories are constantly coming on the market that are proved impractical by our tests. The buyer of Harley-Davidson Approved Accessories can purchase with confidence, knowing that whatever he buys will prove entirely satisfactory.

Quite a few of the accessories described in this catalog are entirely our own design and manufacture. Dealers and riders have told us their needs and desires and as the regular markets offered nothing adequate to fill the demand, we set out and designed and built the articles wanted.

All Approved Harley-Davidson Accessories are inspected before they are accepted by us. Every glove, every lamp, or whatever the item may be, is carefully inspected for manufacturing defects and anything not up to our standards is refused.

In Harley-Davidson Approved Accessories we offer you accessories that by test are proved to be practical, correct in design, high class in manufacture, and that will give you excellent value for your money. Our reputation is pledged to give you the best.

FOR RESEARCH PURPOSES ONLY

Your Girl Will Like this Harley-Davidson Sidecar Windshield

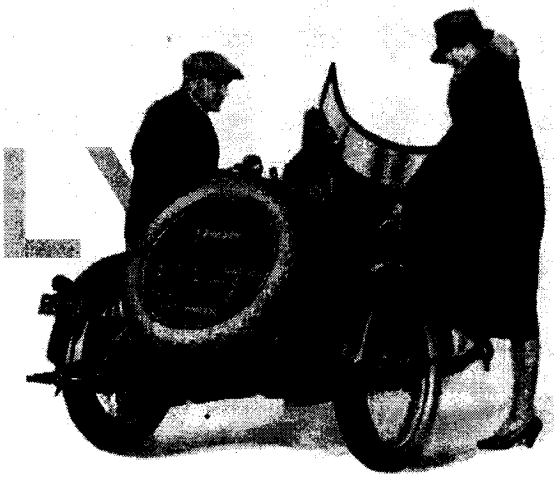
A lightweight, rigid, steel frame for the sidecar windshield is another big feature of this Harley-Davidson windshield. It's sturdy and strong enough so it won't wobble and shake with the wind.

Transparent Pyralin (50% stronger and heavier than is generally used) gives your sidecar passenger a clear view of the scenery and the road ahead. This Pyralin shield can be replaced easily and at reasonable cost. A duck canvas apron is attached to this Harley-Davidson Windshield and is fastened to the sidecar cowl by three lift-the-dot fasteners. This windshield can be attached to your new or old sidecar in less than an hour.

It is easy for your girl to get in or out of your sidecar with this Harley-Davidson Windshield. She just pushes the windshield ahead when she gets in the sidecar and pulls it back when she is seated.

The windshield brackets are fastened to the sidecar body, just ahead of the door. These brackets are placed so they will not interfere with the easy opening of the sidecar door.

If she wants, she can pull out the extension rods in the windshield brackets and use this windshield as a top protection against rain and bad weather.



11000-X—For single passenger sidecar	**$15.50**
11001-X—For two passenger sidecar	**18.00**

FOR RESEARCH PURPOSES ONLY

You Can Carry a "Spare" on this Tire and Luggage Carrier

Your sidecar equipment is not complete without this Tire and Luggage Carrier. It is fastened to the back of the sidecar with four bolts on each side of the rim bracket at the top and two at the bottom. With it you can keep your spare tire inflated and no dust or water can get into it.

The luggage carrier provides space to carry your camping outfit or suitcase on long trips. It adds a nifty touch to your sidecar and is really indispensable.

For Single Passenger Sidecars

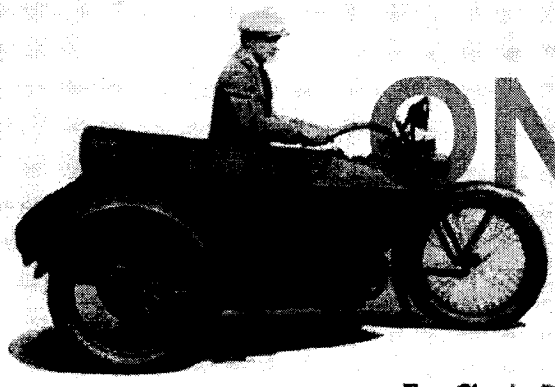
11004-27—Olive Green, for 1927 sidecar, 27 x 3.85 in. tire.....$7.00
11004-25—Olive Green, for 27 x 3½ in. tire..... 7.00
11006-27—Olive Green, for 25 x 3.85 in. tire..... 7.00
11004-24—Olive Green, for 28 x 3 in. tire..... 7.00

For Two Passenger Sidecars

11005-25—Olive Green, for 27 x 3½ and 27 x 3.85 in. tire.....$7.25
11005-24—Olive Green, for 28 x 3 in. tire 7.25

This Cover Will Protect Your Sidecar

Rain, hot sun or road dust won't have a chance to spoil the upholstery of your sidecar when you've got this Harley-Davidson waterproof sidecar cover fastened down over it.



The closely woven, first quality, fabric is strong and exceptionally durable. All the seams are reinforced with double sewing. The cover fastens around the edges of the cowl and fits down over the back cushion.

Straps are furnished along with each cover so you can roll the cover up under the sidecar cowl when it is not in use.

For Single Passenger Sidecars

11020-23—With cape to fit 1923 to 1927 models.....$6.00
11019-23—Straight cover to fit 1923 to 1927 models..... 4.50

For Two Passenger Sidecars

11021-23—To fit 1923 to 1927 models.....$5.00

FOR RESEARCH PURPOSES ONLY

You Get Real Eye Insurance With these Resistal Goggles

Resistal Goggles are known the world over for their special shatter proof glass lenses. Resistal is made by permanently welding two pieces of optical glass having between them a sheet of Resistalene. Resistal is the only laminated lens that is permanently welded, therefore the only lens that is non-shatterable and optically safe.

You are playing safe when you buy these Resistal Goggles with the hammer test trademark.

Model DG, shown in the next column, has a green inlaid visor strip for sun protection and to guard against the glare of headlights. It's triple chenille bound and has a special designed bridge that makes the goggle fit your face perfectly. This model is the last word in goggles.

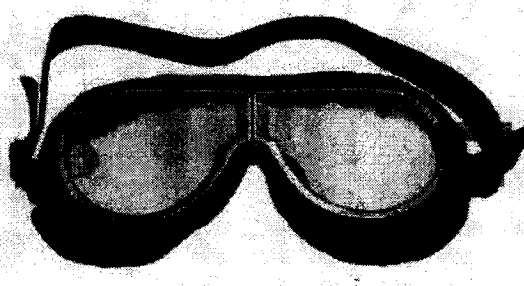
11040-X—With Visor lenses.....	$6.00
11041-X—Extra lenses for above, pair	3.00
11039-X—With plain lenses.....	6.00
11044-X—Extra lenses for above, pair	2.75

Model NARMY, same as above, but bound with sponge rubber strip covered with soft velvet.

11042-X—With Visor lenses.....	$6.00
11041-X—Extra lenses for above, pair	3.00

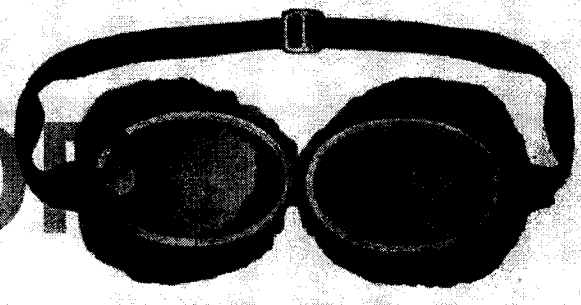
FOR RESEARCH PURPOSES

Other Popular Resistals



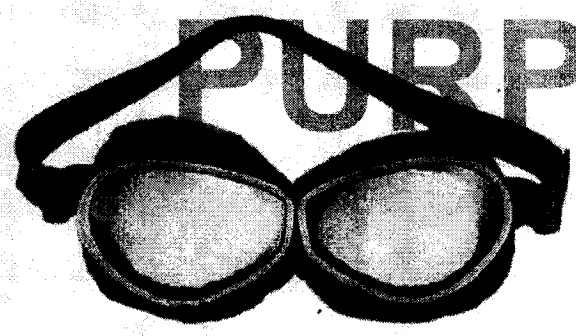
Model NAK is one of Resistal's most popular goggles. Has metal hinged polished aluminum frame in which the lenses are held securely. The binding is heavy chenille that makes the goggle fit the face comfortably. The elastic headstrap is adjustable at either side. We recommend this goggle highly.

11043-X $5.00
11044-X—Extra lenses, per pair..... 2.75



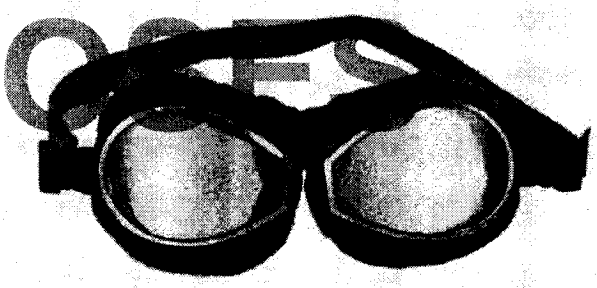
Model OIO is an oval shaped Genuine Resistal Goggle offered at a moderate price. Chenille bound and has leather hinge. Elastic headstrap is adjustable. A comfortable goggle and an excellent value for the money. You can't get bigger value for the price.

11047-X $2.75
11048-X—Extra lenses, per pair..... 1.75



Model WYD is one of Resistal's newest and most popular numbers. The big feature of this attractive goggle is the drop eye design that provides wide vision in all directions. The chenille binding and the drop design assure a comfortable fit. Has leather hinge. Fitted with the famous Resistal non-shatterable lenses.

11045-X $3.50
11046-X—Extra lenses, per pair.. .. 2.50



Touringlas Goggles have plain glass lenses and are not fitted with the Resistal lenses used in the other goggles. They have extra large, curved lenses allowing a wide, clear vision. This model is fitted with an adjustable, flat, elastic headband like all the other goggles. The nosepiece and side tabs are of leather and the edges are chenille bound. A very good value for the money.

11049-X.....$1.75
11050-X—Extra lenses, per pair..... .40

RESEARCH PURPOSES ONLY

Every Motorcycle Rider Should Have One of These Jerseys

When you ride out with the bunch on club runs and tours, you will certainly want to wear one of these smart jerseys. They are warm and mighty good looking, too.

FOR
EAR
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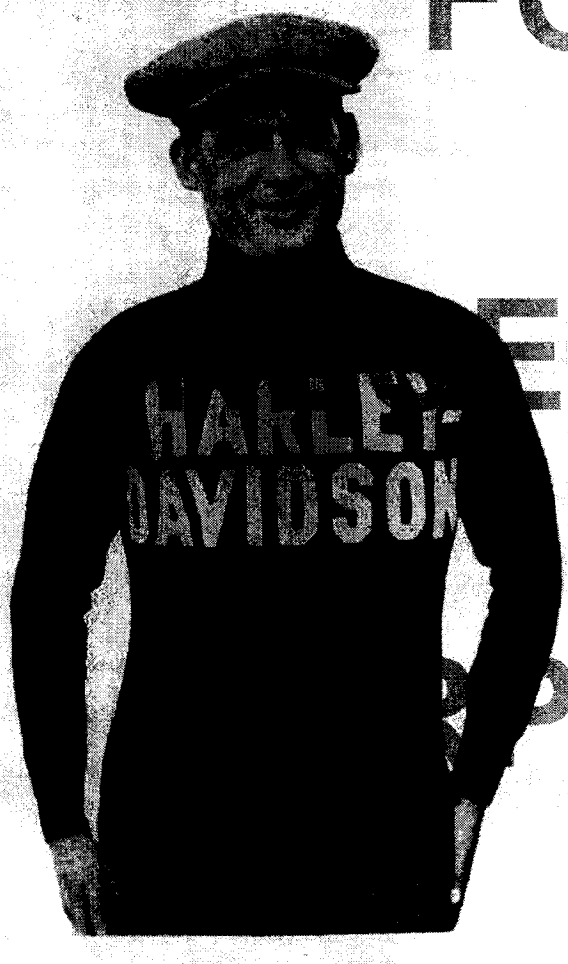
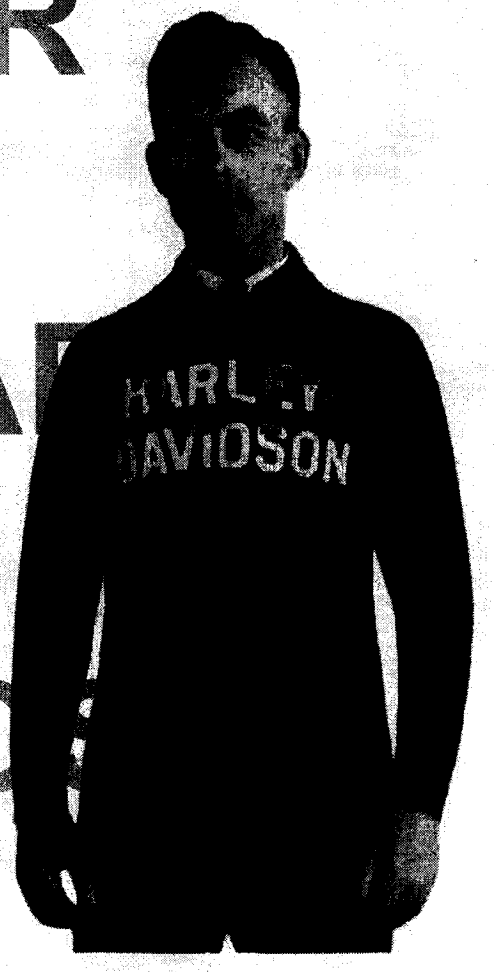
ONLY





Slip-over Jerseys

The jersey shown above is made of pure wool yarn in the popular slip-over style with high roll collar. The body is dark green which combined with the orange colored sleeves makes this a very attractive jersey.

Furnished with three-inch high Harley-Davidson white felt letters. All sizes from 36 to 44.

11030-X $5.75

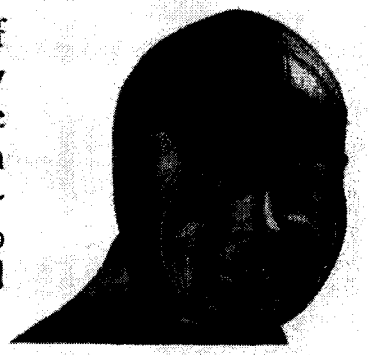
Button Collar Jerseys

Some riders prefer this popular button collar style jersey shown above. Made of fine quality all wool yarn in a live green heather color.

Choice of either two inch Harley-Davidson white felt letters or the Harley-Davidson felt monogram on the front. All sizes from 36 to 44.

11031-X—Monogram $5.25
11032-X—Lettering 5.75

Sheep Lined Leather Helmets



Just what you need, fellows. They are made of soft leather in a smart racy style. Note the new forehead design with the dip between the eyes. The large neck and side flaps give the greatest protection to the neck, chin and cheeks. The thick, full sheepskin lining sure keeps out the cold. Made in two colors, black and brown — in small, medium and large sizes.

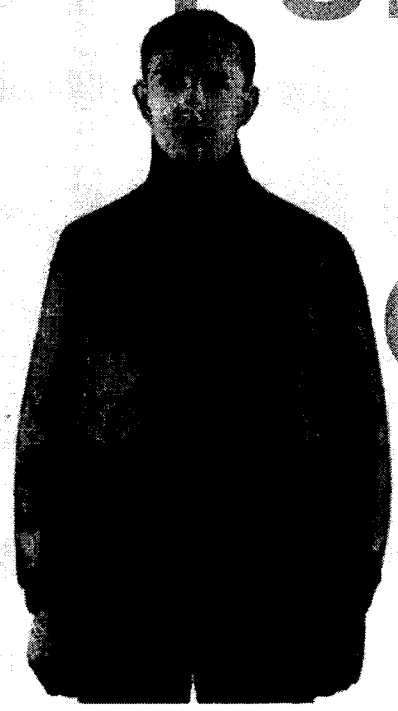
11062-X—Brown $3.50
11063-X—Black 3.50

Chamois Lined Leather Helmets

These are the same snug fitting helmets as shown and described above. They are made of the same soft leather in the same racy design. The only difference is that they are chamois lined instead of sheep lined. They are mighty warm and comfortable, too. Two colors to select from — brown or black — and they come in small, medium and large sizes. Very reasonably priced.

11060-X—Brown $3.50
11061-X—Black 3.50

FOR RESEARCH PURPOSES ONLY



Genuine Leather Sport Jackets

You'll get a greater kick out of your rides when you are wearing one of these light, windproof leather Sport Jackets. They are warm, are not bulky, and resist both rain and cold.

These Jackets are the finest all year garments we have ever offered. Made of the best grade genuine black horsehide leather with a heavy grey knitted worsted convertible collar, cuffs, and waistband. Lined with felted moleskin cloth. Finished with two inserted pockets with flaps as shown. All sizes, 36 to 44.

11067-X $15.00

Black Horsehide Leather Coats

Wrap yourself up in one of these warm leather coats and you'll get a new joy out of motorcycling in the fall, winter and early spring. Cold winds will have no effect on you. Well made of the best quality, soft, pliable black horsehide leather, in a small double breasted full fitting style with leather lapeled convertible collar. Body is lined with wool mackinaw cloth and the sleeves are moleskin cloth lined. Coat is full 36 inches long and is finished with two slash top pockets and two lower side flap pockets as shown. Sleeves have wristlets and adjustable cuffs. All around leather belt is finished with leather covered buckle.

11071-X $25.00

FOR RESEARCH PURPOSES ONLY

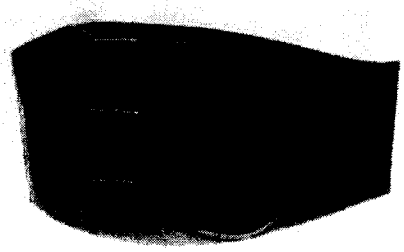
Black Horsehide Leather Riding Breeches

You'll make a hit when you ride out wearing a pair of these smart, black Horsehide Leather Breeches. Horsehide is a soft, pliable leather that will not peel and does not harden after exposure to wet weather. These breeches are cut full and roomy at the hips and snug fitting at the knees. Warmly lined with brown moleskin cloth and finished with five pockets and belt loops. The seat is strongly reinforced to stand hard wear. Sizes 30 to 36.

Here is a popular accessory that will add to your winter riding comfort. They give you splendid protection against wind and cold.

11068-X $19.50

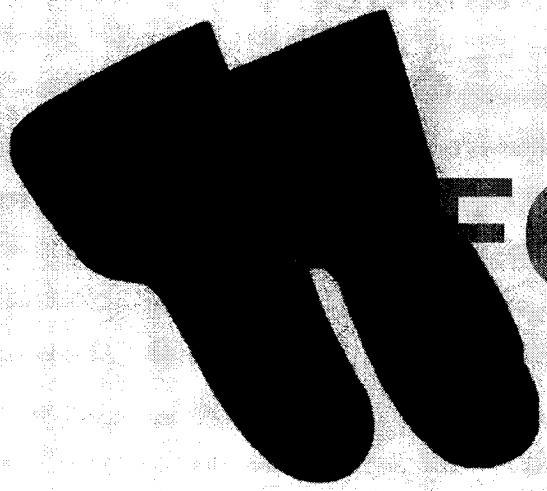
Brown Cowhide Leather Belts



A favorite with many motorcyclists. Made of heavy selected brown cowhide, seven inches wide with three buckles. Can be obtained in two grades A & B. Sizes 28 to 36.

11073-X—Grade B $3.00
11074-X—Grade A 4.00

Sheepskin Lined Leather Gauntlets



You can't really enjoy a ride when your hands are cold. That's why we recommend a pair of these warm Gauntlet Mitts for the cold weather. The hand stock is made of fine, soft pliable horsehide leather and lined with heavy sheepskin. Finished with adjustable strap on wrist. The soft leather cuffs are large and roomy to fit over the coat sleeves.

They are made in two styles—the mitt, illustrated here, and the one finger style. Three sizes—small, medium and large.

11078-X—Mitt style, per pair.....**$4.75**
11077-X—One Finger style, per pair.. **5.00**

Handlebar Muffs for Winter Riding

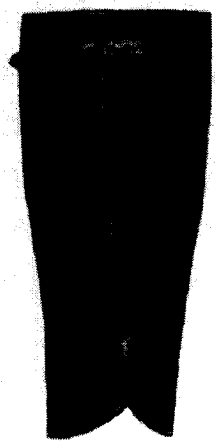
Just what you need for cold winter riding. They can be fastened to your handlebars in a jiffy and will not interfere with the operation of the grip controls.

The muffs are made of extra heavy black leather fabric, and are very heavily padded and lined with a good grade of cotton twill. The padding is cross-stitched or quilted to prevent loosening or slipping. They are attached to the handlebar by means of a leather strap and buckle.

11083-X **$2.00**

You'll Look Good in These Nifty Puttees

"Some class" is what your friends will say when you ride out wearing a pair of these nifty puttees. They are shaped to fit the leg snugly and can be put on or taken off in a jiffy.



Genuine Cowhide Puttees

Made of selected Cowhide leather in a polished mahogany shade. Finished with a double prong spring which allows an adjustment of half a size either way. Built to keep their shape. Lined and unlined styles. Sizes, 14 to 17.

11087-X—Unlined, per pair.....**$5.50**
11088-X—Lined, per pair..... **5.50**

Split Leather Puttees

Here is a good, inexpensive split leather puttee that will give you splendid service. Made with single prong spring in half sizes, 14 to 17.

11089-X **$3.00**

FOR RESEARCH PURPOSES ONLY

Equip Your Motorcycle with a Corbin Speedometer

They are Noted for Their Accuracy

Either Luminous or Plain Dials

Ignorance of how fast you were going is a very poor excuse in the eyes of the law when you get pinched for exceeding the speed limit. Many times you think you are going about 30 when you are really doing better than 40. Equip your motorcycle with a Corbin Speedometer and be sure. It will save you many times its cost by showing you how fast you are going at all times.

The Corbin Speedometer operates on the centrifugal principle and is a dependable instrument. In addition to the regular speedometer features it can be obtained with a maximum hand that automatically registers the highest speed attained and remains there until released to zero by pushing the plunger located on the side of the head. Of course there is a speed hand that registers your varying speeds as you ride along. Also has season and trip odometers with trip release plunger. Can be obtained with either luminous or plain dial.

RESEARCH PURPOSES ONLY

For Single Models

11106-26—80 mile	$17.00
11107-26—80 mile—maximum hand	19.00
11111-26—130 Kilometer	17.00

For 1925 to 1927 Twins with 27 x 3½ and 27 x 3.85 Tires

11106-25—80 mile	$17.00
11107-25—80 mile—maximum hand	19.00
11108-25—80 mile—maximum hand—luminous dial	22.50
11109-25—100 mile—maximum hand	20.00
11110-25—100 mile—maximum hand—luminous dial	23.50
11111-25—130 Kilometer	17.00
11112-25—130 Kilometer—maximum hand—luminous dial	22.50
11113-25—Police special	35.00

For 1927 Twins with 25 x 3.85-inch Tires

11106-27—80 mile	$17.00
11107-27—80 mile—maximum hand	19.00
11108-27—80 mile—maximum hand—luminous dial	22.50
11109-27—100 mile—maximum hand	20.00
11110-27—100 mile—maximum hand—luminous dial	23.50
11111-27—130 Kilometer	17.00
11112-27—130 Kilometer—Maximum hand—luminous dial	22.50

Johns-Manville Speedometer Parts

11127-X—Glass and Ring ..... $ 1.15
11128-16—Head bracket (1916 to 1924) ..... .50
11128-25—Head bracket (1925 to 1927) 1.00
11129-X—Bracket to Speedometer Screws (2 used) ..... .04
3532-18—Bracket to Tank Screw (2 used) ..... .04
0253 —Bracket to Tank Screw washer (2 used) ..... .01
11130-16—Cable Casing only 33" ... 2.50
11130-25—Cable Casing only, 30¼". 2.50
11131-16—Square tip cable, 33" 3.00
11131-25—Square tip cable, 30¼"... 3.00
11132-16—Gear Section with 22T Fibre Gear 4.00
11132-22—Gear Section with 24T Fibre Gear 4.00
11132-24—Gear Section with 26T Fibre Gear 4.00
11132-25—Gear Section with 27T Fibre Gear 4.00
11133-16—Fibre Gear 22T..... .75
11133-22—Fibre Gear 24T..... .75
11133-24—Fibre Gear 26T..... .75
11133-25—Fibre Gear 27T..... .75
11134-X—Fibre Gear Lock Washer.. .05
11135-X—Fibre Gear Driving Washer ..... .10
11136-X—Fibre Gear Lock Nut..... .12
11137-X—Gear Bracket 1.50
11138-X—Gear Bracket Clamp Screw (Long), 2 used..... .12
11139-X—Gear Bracket Cap Screw (Short), 2 used..... .12
11140-16—Split Road Gear 78T..... 3.00
11140-22—Split Road Gear 84T..... 3.00
11140-25—Split Road Gear 92T..... 3.00
11141-X—Split Road Gear Tie Plate (2 used) ..... .30
11142-X—Split Road Gear Tie Plate Screw (4 used)..... .04
11143-X—Spoke Clips (Threaded) 8 used ..... .03
036 —Spoke Clip Screws (8 used) .01
11159-X—Cable Strap ..... .10

Corbin Speedometer Parts

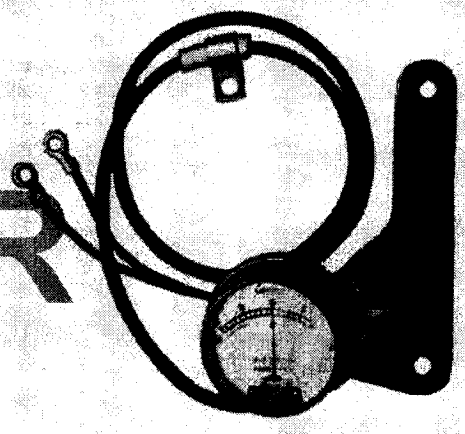
11160-X—Head only (80 mile)..... $ 9.00
11161-X—Head only (80 mile-Max. hand) 11.00
11162-X—Head only (80 mile-Max. hand-Lum. Dial) 14.50
11163-X—Head only (130 Kilometer) 9.00
11164-X—Head only (100 mile-Max. hand) 11.50
11165-X—Head only (100 mile-Max. hand-Lum. Dial) 15.50
11166-X—Glass spun in ring and bezel 1.00
11167-16—Head bracket (prior to 1925) 1.00
11168-16—Head bracket only attaches to head) ..... .40
11169-16—Head bracket support (attaches to tank)..... .60
11170-16—Head bracket screw and nut .10
11167-25—Head bracket, 1925..... 1.00
11167-26—Head bracket (Single).... 1.00
11171-X—Head Screw (2 used) ..... .05
3532-18—Tank Screw (2 used) ..... .04
0253 —Tank Screw Washer 2 used) .01
11172-X—Cable complete, 28½"... 5.00
11172-26—Cable Complete (Single, 30¼") 5.00
11173-X—Cable casing only, 28½".. 3.00
11173-26—Cable Casing only (Single, 30¼") 3.00
11174-16—Inside Chain with end fittings, 31" 2.00
11174-25—Inside Chain with end fittings, 28½" 2.00
11174-26—Inside chain with end fittings, (Single 30¼")... 2.00
11175-X—Wire link ..... .10
11176-X—Steel link (Dumb-belltype) .05
11177-X—Spring Link (upper end) . .45
11178-X—Ball bearing for spring link .20
11179-X—Lower end clutch..... .15
11180-16—Gear Section with 24T Fibre Gear 2.15
11180-24—Gear Section with 26T Fibre Gear 2.15
11180-25—Gear Section with 27T Fibre gear 2.15
11180-26—Gear Section with 28T Fibre Gear (Single)..... 2.15
11181-16—Fibre Gear 24T..... .50
11181-24—Fibre Gear 26T..... .50
11181-25—Fibre Gear 27T..... .50
11181-26—Fibre Gear 28T (Single).. .50
11182-X—Fibre Gear Bushing..... .10
11183-X—Fibre Gear Pin..... .05
11184-16—Gear Section Bracket complete (1916-1922) 1.25
11184-23—Gear Section Bracket complete (1923..)..... 1.25
11184-25—Gear Section Bracket complete (1924-1927)..... 1.25
11184-26—Gear Section Bracket complete (Single) 1.25
11185-X—Gear Section Bracket Cap Screws (set of 2)..... .10
11186-X—Gear Section Bracket Clamp Screws (set of 2) ..... .10
11187-16—Split Road Gear 85T..... 1.50
11187-25—Split Road Gear 92T..... 2.00
11188-X—Split Gear Tie Plates (set of 2) ..... .15
11189-X—Split Gear Tie Plate Screws (set of 4)..... .05
11190-X—Spoke Clips, Screws and Nuts (set of 8)..... .15
11159-X—Cable Strap ..... .10

FOR RESEARCH PURPOSES ONLY

We Recommend Weston Ammeters

The ammeter is the watchdog over your electrical system. With a Weston Ammeter on your motorcycle you can tell at a glance whether or not your generator is delivering sufficient current to keep your battery charged and provide for all current consuming devices. This ammeter is made by the internationally famous Weston Electrical Instrument Company — this fact alone insures high quality. The wiring and connections are approved by Harley-Davidson engineers. The mounting is substantial and attaches to the top of the tank just ahead of the seat bar bracket with the tank screws.

11200-25—For single and twins.....$3.50



Ammeter Parts

11202-25	Ammeter only	$ 2.25
11208-25	Ammeter insulating washer	.05
11212-25	Ammeter terminal insulating washer (2 used)	.02
11210-25	Bracket insulating washer	.03
11205-25	Wire complete with terminals	.50
11207-25	Wire clamp	.02
11213-25	Metal washers (3 used)	.01
11201-25	Ammeter bracket	.40

An A-K Lock Protects Your Motorcycle

No one can run off with your motorcycle when it is A-K locked. When you snap on this lock you know your Harley-Davidson is going to stay right where you left it.

Easy to put on. Neat in appearance. Genuine Corbin tumbler lock. Approved by the Underwriters' Laboratories.

11540-X—Twins.....$ 5.00
11541-26—Singles..... 5.00

A-K Lock Parts

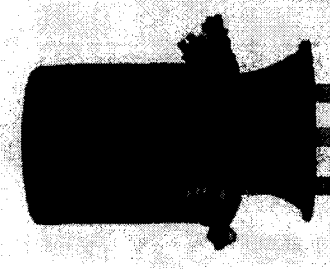
11540-XA	—Lock Housing with Lock and Keys—Twin	$ 4.00
11541-26A	—Lock Housing with Lock and Keys—Single	4.00
11540-XB	—Screw for Lock and Swivel Housing—Twin and Single	.05
11540-XC	—Swivel Housing only—Twin	.80
11541-26C	—Swivel Housing only—Single	.80
11540-XE	—Lock Rod Swivel—Twin and Single	.20
11540-XF	—Swivel Housing Spring—Twin and Single	.10
11540-XG	—Lock Rod—Twin	.50
11541-26G	—Lock Rod—Single	.50
11540-XH	—Clamp for Lock Rod—Twin	.30
11541-26H	—Clamp for Lock Rod—Single	.30

FOR RESEARCH PURPOSES ONLY

These Horns Will Clear the Way

You can shoot over the roads in safety when your motorcycle is equipped with one of these powerful horns. The traffic ahead clears and everyone moves over to let you pass. The loud, penetrating tone of these warning signals commands instant attention and gives you the undisputed right of way.

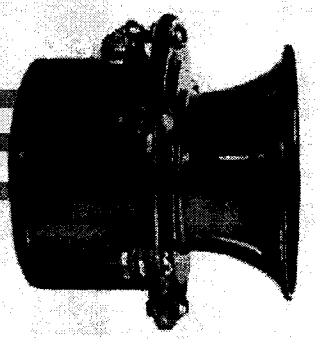
The Electric Sparton



This horn is the successful outcome of 14 years of intensive research work by Sparton engineers. The exclusive offset motor feature is found only in Sparton and is one of the chief reasons for its distinctive tone and unfailing service.

4801-20A ..... $ 6.00

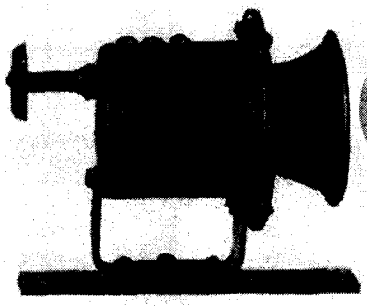
The "Single" Horn



Here is a dandy horn for your Single. Its clear, penetrating sound has made it a prime favorite with Harley-Davidson "Single" riders. It is a high quality signal that is always dependable. We do not hesitate to recommend it.

4801-26 ..... $1.75

The Hand Klaxon



This horn is operated simply by a push of the hand and requires little effort to produce a sharp, clear tone that commands attention and is far reaching and effective.

11220-25	With tank bracket, for 1925 and later models	$ 4.50
11220-16	With tank bracket, for all models prior to 1925	4.50
11221-X	With handlebar bracket, for all models	4.50
11223-25	Tank bracket only, for 1925 and later models	.50
11223-16	Tank bracket, for models prior to 1925	.40
11224-X	Handlebar bracket, for all models	1.20

Police Motorcycle Accessories

On this page we show three popular accessories that are designed especially for motorcycle police officers' use.

Electric Siren

This Sterling Electric Police Siren is especially designed for police use and is the largest, practical electrical siren on the market. Its loud, penetrating tone commands immediate respect and clears the road ahead to let you pass. It is well made and is easily attached in a few minutes' work. It is a siren we do not hesitate to strongly recommend.

11225X $32.00

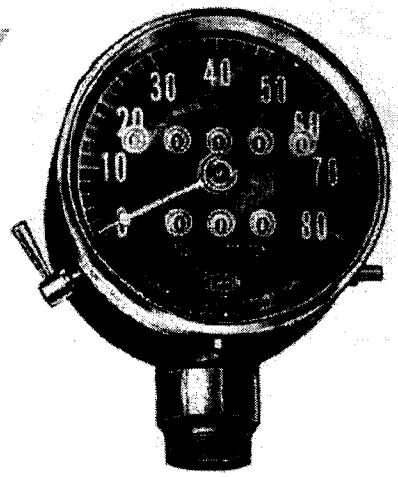
FOR RESEARCH PURPOSES ONLY

Rear Wheel Siren

The Hedberg Rear Wheel Siren is operated and controlled by means of a convenient lever attached to the left handlebar. This siren is unquestionably the best warning signal for all police purposes. It produces a sharp, penetrating signal that is an efficient warning to clear the road ahead, and gives you undisputed right of way. It is easily attached to the rear wheel by means of a rigid bracket which is bolted to the upper and lower frame stays. A strong spring keeps it clear of the rear wheel.

11225-27 ..... $35.00

Police Speedometer

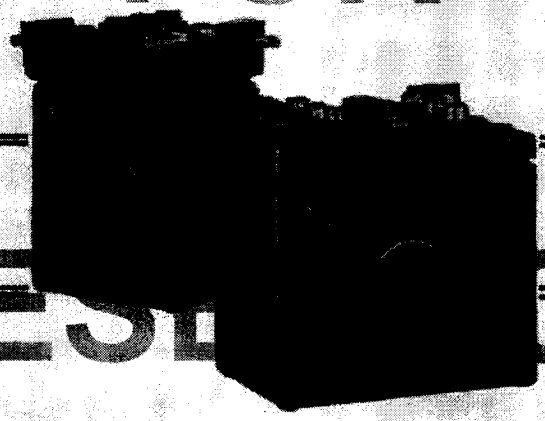


The Corbin Police Model Speedometer is constructed on the Centrifugal Principle and is extremely sensitive to variations in speed. The officer operates his motorcycle with the speedometer hand release. Upon overtaking a speeder, he follows at a fixed distance for just a few seconds, then locks the speedometer indicator with a backward swoop of the hand. The officer may then increase his speed to make the arrest without having the record of speed changed in any way.

11113-25 ..... $35.00

Harley-Davidson Approved Batteries Will Give You Better Service

FOR RESEARCH PURPOSES ONLY



Look for the Harley-Davidson trademark when you buy a new battery. It is your assurance of superior battery value — the very best on the market. It is the one motorcycle battery that is backed by Harley-Davidson service.

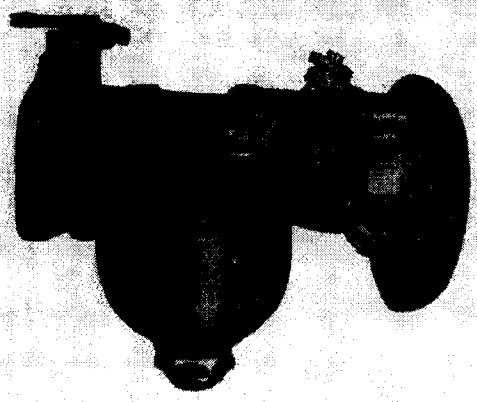
It is to our interest that Harley-Davidson owners obtain maximum service and satisfaction from their motorcycles. For this reason our electrical engineers have given a great deal of study to batteries, in order to provide a battery that will stand up to the rigid requirements of motorcycle service. The Harley-Davidson Approved Battery is designed and constructed to give better service to Harley-Davidson owners — one that will stand up under hard service — a battery on which we do not hesitate to put our stamp of approval.

On Harley-Davidson Approved Batteries the terminals extend outside the battery box and are readily accessible. Large vent plugs make it easy to add distilled water. Both case and jar covers are extra heavy and strongly reinforced. The connector parts that carry the plates are extra heavy and are firmly fastened into the top with large sealing nuts.

Made in two sizes as follows:

4303-15—Fits 1915-1925 Twins and all Singles $10.00
4303-26—Fits 1926 and later Twins 13.00

The Schebler Carburetors



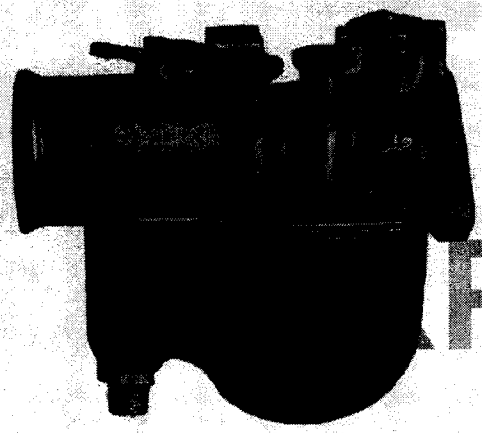
Schebler De Luxe Carburetor

This carburetor has rapidly grown in popularity with riders who want lots of zip and power as well as long life. It is unexcelled for fast road work and hill-climbing.

This is a plain tube type carburetor with separate jets for idling and running speeds. The 1¼ inch type is fitted with a combined choke and low speed needle operating mechanism that assures a quick start in the coldest weather.

1132-17—1" for 61" motors up to 1923 ..... $13.50
1133-21—1¼" for all 74" motors, also all 61" motors since 1923 ..... 14.00

Single De Luxe Carburetors



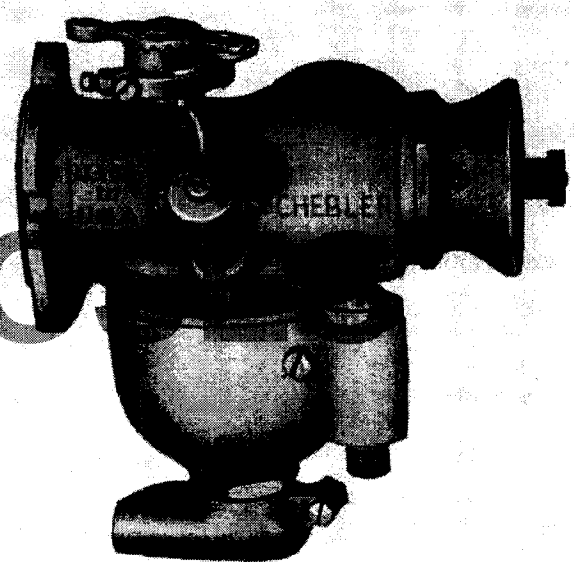
The carburetor for the Single is of very simple and sturdy construction and will give long and satisfactory service

Two jets are provided, one for idling and one for running speeds. The overhead model is fitted with a venturi slide that enlarges the venturi opening for running at high speeds.

The Single carburetor has very few moving parts which insures long life.

1129-26—For Side-by-Side valve model $10.50
1128-26—Overhead Valve model.... 12.00

Schebler Model H Carburetor



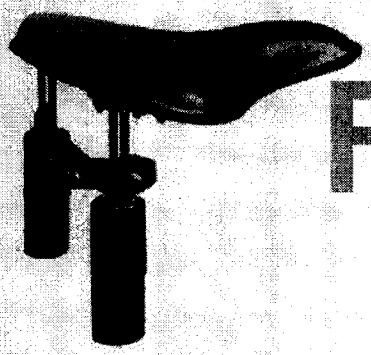
Here is an old standby that has been used for years on American motorcycles. Monel bushings are now used at all the wearing points and add years of satisfactory service by preventing air leaks. The latest type needle valve cam permits of a wide range of adjustment for both high and low speeds. An improved choke makes for easy starting.

1130-15—1" for 61" motors up to 1923 ..... $13.50
1131-21—1¼" for all 74" motors, also all 61" motors built since 1923 ..... 13.50

FOR RESEARCH PURPOSES ONLY

Saddles and Backrests

Mesinger Air Cushion Saddle



This Mesinger Air Cushion Saddle has for years been a big favorite with motorcycle riders. The patented air cushion device absorbs all sharp road shocks and the rider literally rides on air. This air cushion saddle, mounted on the Harley-Davidson seat post, makes a comfort combination that cannot be beat.

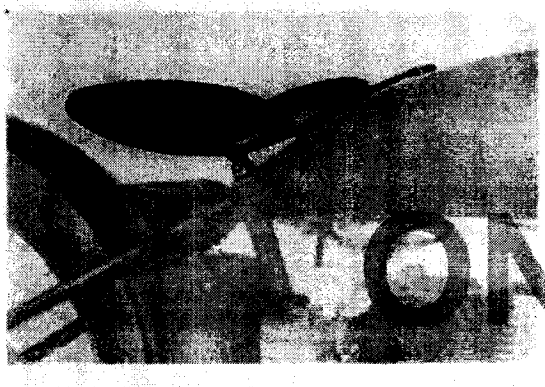
3176-15—For all models up to 1924 . . $ 8.00
3181-18—No. 4 Top only 2.00

Mesinger Cushion Suspension No. 3 Saddle

This saddle offers the comfort of the form fitting seat and the patented air cushion suspension. It's the most comfortable saddle ever built. Back plate is threaded for screws so a backrest can be attached. For all models up to 1924.

3176-15 . . . . . $12.00
3181-18A—No. 3 top only (fits No. 1 springs) . . . . . $ 7.00

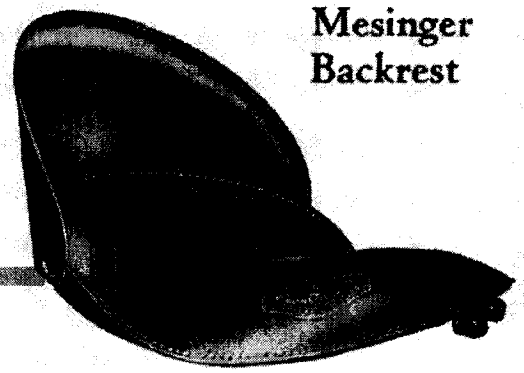
Mesinger "Single" Saddle



This saddle is the semi-bucket type and is specially designed for the Harley-Davidson Single. The leather top is fitted to a metal base that keeps the saddle in shape indefinitely.

3178-26 . . . . . $ 4.00

Mesinger Backrest



The Mesinger Backrest illustrated above is made especially for Cushion Suspension No. 3 Saddle. Easy to attach and adds to your riding comfort.

11232-X $4.00

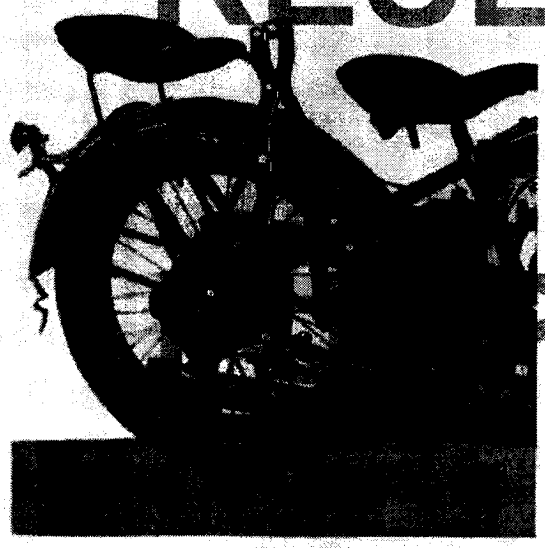
FOR RESEARCH PURPOSES ONLY

Put a Tandem on Your Motorcycle and Give Your Pal a Ride

Why not take your pal along on those big week-end and holiday trips? He will get a world of pleasure out of motorcycling and you'll have more fun because he came along. Most every day you use your motorcycle you'll have use for a tandem. The tandems shown on this page are easy to attach and for riding comfort can't be excelled. Once you have a tandem you will wonder how you ever got along without one.

FOR RESEARCH PURPOSES ONLY

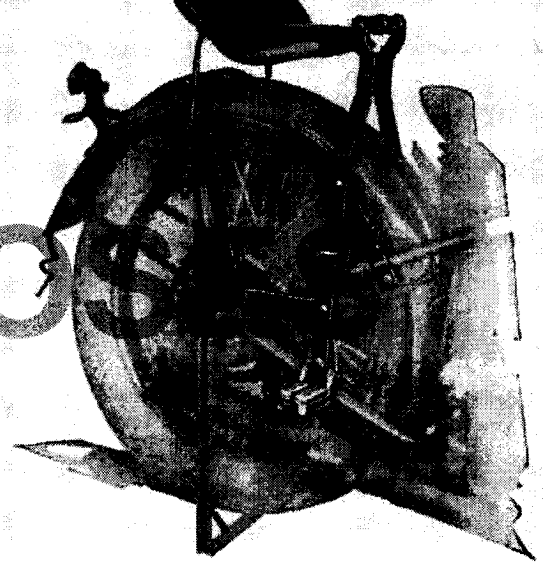
The Mesinger Tandem with Bucket Seat



The Mesinger Tandem is one of the best on the market. Has a very comfortable bucket type seat of finely grained leather mounted on tension springs which make for soft, easy riding. A back rest can be easily attached to this tandem and will add to the comfort of the rider. A handle grip and convenient foot rests are also provided.

11237-25—For Twin $15.00
11237-26—For Single 15.00

The Persons Tandem with Bucket Seat

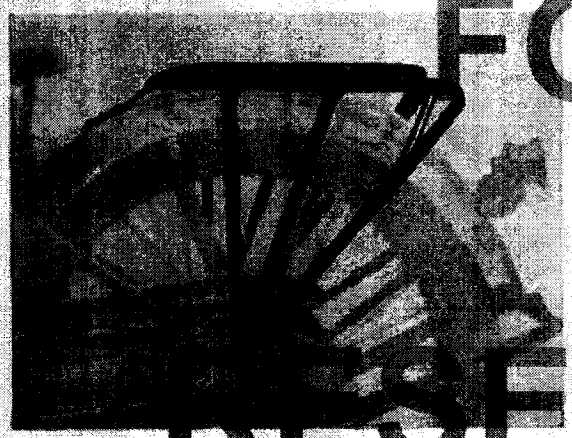


The Persons Tandem is very popular for all types of motorcycles. Made with a comfortable deep bucket type seat of genuine grain leather. Folding footrests are provided as shown, also a handle grip for the comfort of the rider. Your passenger can ride all day without fatigue.

11235-25—For Twin $15.00
11235-26—For Single 15.00

Harley-Davidson Carrier

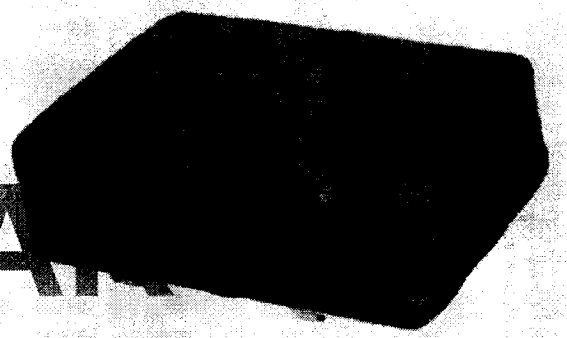
This Harley-Davidson Luggage Carrier is one of the standard accessories designed by our engineers



and built in our factory. It is extremely strong and durable and has a carrying space measuring 8x14 inches. This carrier can be furnished in brewster green or in olive green color.

2818-17—Olive Green $4.50
2818-22—Brewster Green 4.50
2818-26—Fo[illegible] Single 4.50

The Harley-Davidson Spring Cushion is designed to fit the Harley-Davidson Luggage Carrier and is the best of its type. Eight double coil springs firmly held in place by an interlocking construction, provide maximum riding com-

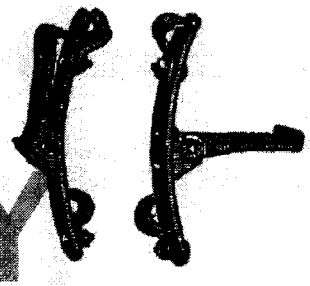


fort. The top and sides are waterproof material that is neat in appearance. The base is hardwood and the cushion is securely attached to the carrier with two wide pressed steel strips and four wing nuts.

11285-X..... $3.00

This Web Strap is a most convenient luggage strap. It is very handy for strapping on extra luggage, but can be used for many other purposes. The strap we are offering is full width, 7/8 inch wide. Made of strong, pliable olive drab webbing. The slip buckles give you instantaneous adjustment.

11290-X—7/8 inch by 48 inches .... $ .20
11291-X—7/8 inch by 78 inches .... .25



These Stoll Footrests fit all model Harley-Davidson motorcycles. In combination with the Harley-Davidson Carrier and the Spring Cushion they go to make a dandy tandem attachment. Made of heavy metal with strong attaching clips. Can be folded when not in use.

11286-X..... $2.00

FOR RESEARCH PURPOSES ONLY

Ride in Comfort with this Windshield and Lap Cover

Here is the ideal handlebar windshield combination that every motorcycle rider has been looking for. It gives the motorcycle rider the same generous protection the sidecar passenger enjoys behind the sidecar windshield.

Take a look at the pictures of the windshield shown on this page and you will quickly see its wonderful features. With the shield and apron in place you are all set to face the coldest winter winds. Your feet, legs, hands, arms, body, and face are all fully protected. The heavy transparent pyralin shield is firmly supported by a strong steel frame-work and gives full vision ahead. It deflects the wind up and over. By a novel arrangement the apron fits around the handlebars ahead of the grips and is held in place so that it does not interfere with the driving controls. The legshields are fastened at the bottom to a crosspiece on the frame and the sides are held in position regardless of handlebar motion with encased coil springs that attach through extension arms to the handlebar fittings.

The windshield can be quickly taken off when not needed. Merely loosen two nuts, remove the windshield and stow it away under the sidecar cowl, where it is held in place by special fittings that can be furnished and which anyone can easily attach. The apron can then be drawn back and can be used as a lap robe. If desired it too can be taken off and stowed away with the windshield.

FOR RESEARCH PURPOSES ONLY

11295-X—Windshield Complete $13.00
11317-X—Brackets for holding shield in sidecar ..... .75

Stop Winter Winds with Splashboards

Cold winter winds detour when they hit these Splashboards on your Harley-Davidson.

These splashboards are made of double thickness of reinforced sheet metal with a layer of felt in between—that's enough to stop any cold wind. Each splashboard is attached to the motorcycle frame by strong braces. There's no rattling or shaking loose. You can attach these splashboards in jiff time. They're just as easy to take off.

You can get these Harley-Davidson Splashboards in either the snappy new Olive Green or Brewster Green colors.

11326-22—Brewster Green for 1922, 1923 models 4.25
11326-25—Olive Green for 1925 models 4.25
11326-17—Olive Green for 1917, 1918, 1919, 1920, 1921, and 1924 models 4.25

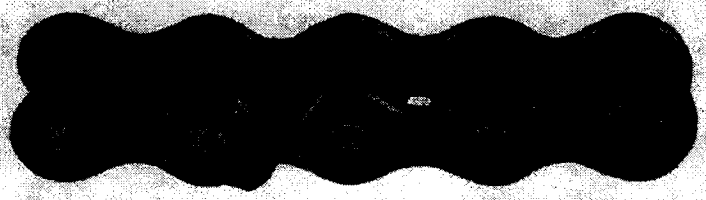
FOR RESEARCH PURPOSES ONLY

This Legshield is a Real Winter Fooler

This Legshield and Cover is made of heavy fabric. It's waterproof and it's warm. Six snap buttons — three on each side — fasten this new Legshield and Cover to a steel bracket just in front of the footboards. All the edges of this Legshield and Cover are turned over and sewed. There's a special reinforcement strip where this Legshield and Cover snaps on the bracket.

You can shift gears easily with this new Harley-Davidson Legshield and Cover without putting your hand under the cover. If the motor gets too warm, you can unsnap the Legshield and Cover in a jiffy. These covers are not recommended for long trips.

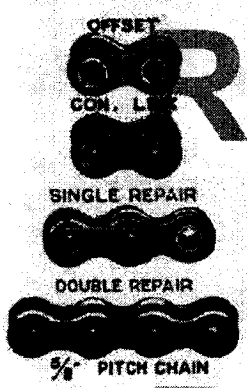
11320-X—For Twin $4.50
11320-26—For Single 4.50



Duckworth Motorcycle Chain

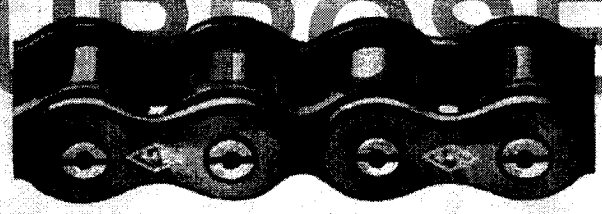
The most widely used motorcycle chain on the market and adopted as regular equipment by most manufacturers. Improved manufacturing processes and closer inspection standards make the present Duckworth chain more dependable than ever. Supplied in 25 foot lengths and motorcycle lengths.

11345-15—No. 170—3/8 inch wide-3/8 inch pitch, per ft..... $ .75
11345-12—No. 70—1/4 inch wide-5/8 inch pitch, per ft..... .75



Duckworth Chain Links

	3/8 inch wide		1/4 inch wide	
Connecting link	2007-15	$ .15	2007-12	$ .12
Offset repair link	2013-15	.27	2013-12	.25
Single repair link	2017-15	.25	2017-12	.20
Double repair link	2015-15	.35	2015-12	.30
Roller block	2011-15	.15	2011-12	.12
Springs	2008-12	.04	2008-12	.04



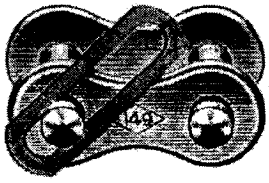
Diamond Motorcycle Chain

Diamond is a high quality chain that has attained its reputation by its performance. It is preferred by many riders. Supplied in 25 foot lengths and motorcycle lengths.

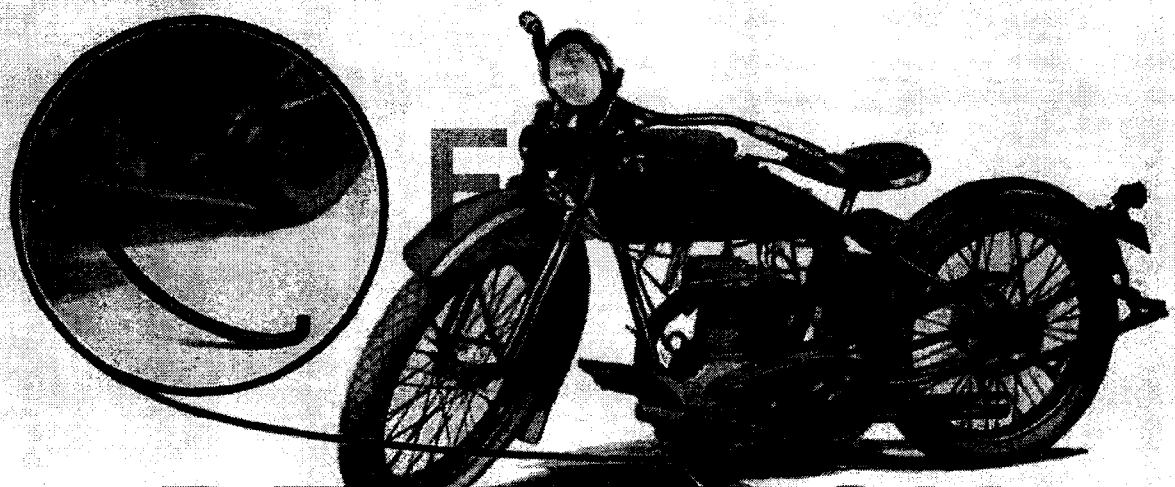
11346-15—No. 449—3/8 inch wide-3/8 inch pitch, per ft..... $ .75
11346-12—No. 149—1/4 inch wide-5/8 inch pitch, per ft..... .75

Diamond Chain Links

	3/8 inch Wide		1/4 inch Wide	
Connecting link	2006-15	$ .15	2006-12	$ .12
Connecting link spring	2008-12	.04	2008-12	.04
Roller block	2010-15	.15	2010-12	.12
Offset repair link	2012-15	.27	2012-12	.25
Double repair link	2014-15	.35	2014-12	.30



The Harley-Davidson Jiffy Stand



FOR RESEARCH PURPOSES ONLY

The Harley-Davidson Jiffy Stand keeps your Harley-Davidson in a standing position — ready for you to remount and drive away. The extension leg folds up under the footboard where it is out of the way, when not in use. When you stop, just kick the end of the extension leg with your heel and dismount. It keeps the motorcycle standing safely until you return. When you are ready to go, simply kick up the extension leg with your foot. The Jiffy Stand is easy to attach — you can put it on in just a few minutes, and it requires no further adjustment.

11331-X	—Twin	$2.50
11331-27	—1927 Twin with 25 x 3.85" Tires	2.50
11331-26	—Single	2.50

Jiffy Stand Parts

13200-X	—Leg Bracket—Twin	$1.00
13200-26	—Leg Bracket—Single	1.00
13201-X	—Leg—Twin	.85
13201-27	—Leg—Twin with 25" wheel	.85
13201-26	—Leg—Single	.85
13202-X	—Spring—Twin & Single	.15
13203-X	—Spring Collar—Twin & Single	.15
13205-X	—Leg Stop Plate—Twin	.20
13205-26	—Leg Stop Plate—Single	.20
13206-X	—Leg Stock Plate—Twin and Single	.20
13207-X	—Set Screw—Twin & Single (two used)	.03
0229	—Washer—Twin & Single	.02
13208-X	—Hex. Nut—Twin & Single	.02

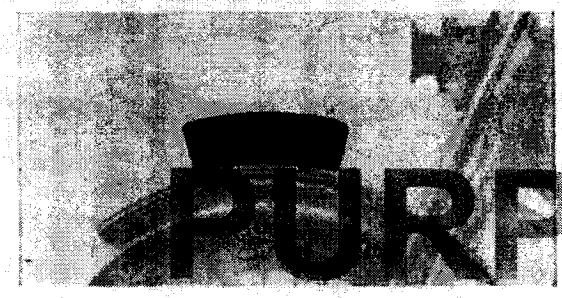
Single Front Wheel Dust Guards

Fit one of these attractive front wheel dust guards on your Single and protect your trouser legs from wet or muddy roads, and from sand, pebbles and dust.

The dust guard is made of heavy glazed waterproof olive drab material with a red center stripe. It fits snugly over the mudguard and is fastened with straps to the lower mudguard braces. Can be attached in a jiffy and adds to the appearance of your Single.

11333-26 ..... $2.00

Name Plates



These name or number plates are made of heavy sheet steel with a glossy enamel finish and are suitable for the fastening of license plates or for any advertising purpose.

11337-X—Front no. plate with studs..$ .60
11339-X—Rear no. plate, mag. models. .35
11340-X—Rear no. plate, elec. models. .35

Heel Brake

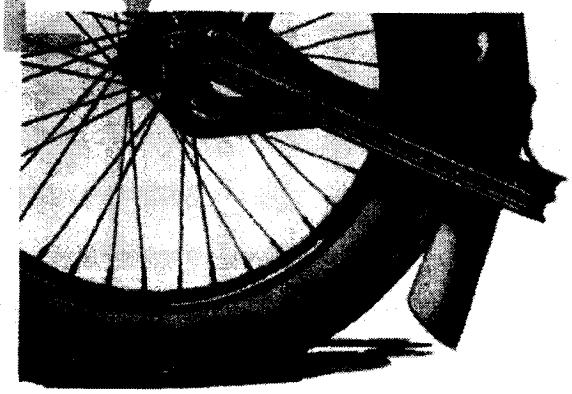
This external contracting brake for twin models is complete as shown in the illustration above. An efficient auxiliary brake that is required by law in some states and foreign countries.

4101-21—Late 1921 and 1922 models..$6.25
4102-23—1923 and 1924 models..... 6.25
4102-25—1925-1927 models..... 6.25

Front Stand

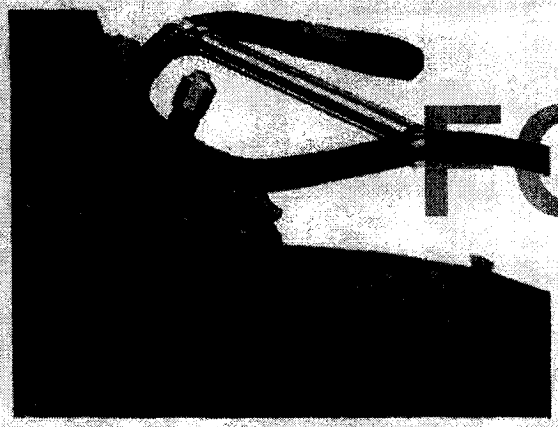
This front stand comes in very useful when the front wheel must be taken off to make any necessary repairs. On 1925 and later models the front stand is attached to the front fork. On previous models the stand is attached to the footboard side bars.

3001-25—For 1925-'27 (Shown here).$2.25
3001-26—Single 1.75
3001-23—For 1923 and 1924..... 1.40
3001-18—For 1918 to 1922..... 1.40



FOR RESEARCH PURPOSES ONLY

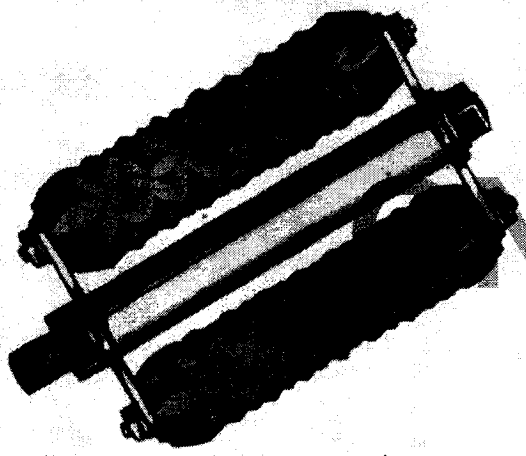
Harley-Davidson Handlebar Crossbar



Fit one of these classy Handlebar Crossbars to your big Twin or your Single. Then you can mount that new spotlight, handlebar watch, or other accessories on it. It certainly will add class to your motorcycle. Made of steel tubing with solid steel end inserts. The crossbar and clamps are nickel plated and highly polished. Easy to attach.

11359-X $2.00

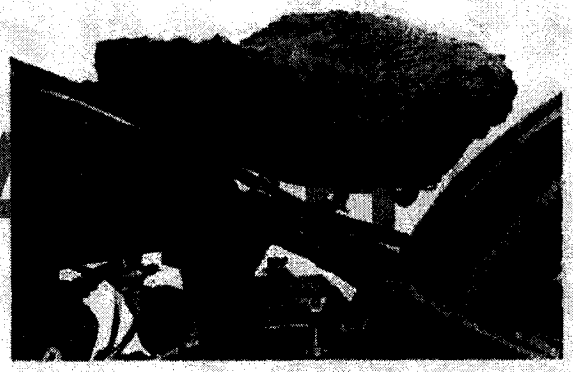
Pedals



Owners of 1915 and previous pedal Harley-Davidson motorcycles and the single speed models up to 1918 will be glad to know that they can still get these genuine Harley-Davidson pedals. We manufacture these pedals and know they are the best of their kind. They are made with specially treated high carbon steel axles and fitted with excellent quality rubbers.

11355-X2 ..... $2.00

Sheepskin Saddle Cover



Every motorcycle rider will appreciate the comfort of this genuine sheepskin saddle cover. Rough roads will seem like boulevards when this easy riding cover is attached. The heavy sheep wool makes it soft and warm. Ideal for cold weather. This genuine sheepskin saddle cover is made from long wool skins that have been thoroughly cured. Very easy to attach.

11351-X—For air cushion saddle.... $3.25
11352-X—For bucket type saddle.... 3.25
11353-X—For single 3.25

Control Wire

This wire is the same as used in our standard length control wire. It is made from the very best music wire available. Packed in one and five pound rolls.

11360-X—1 lb. roll..... $ .85
11361-X—5 lb. roll, per lb..... .75

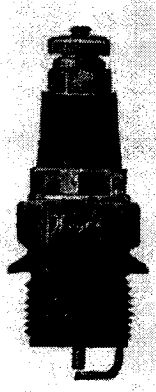
FOR RESEARCH PURPOSES ONLY

Spokes and Nipples

The spokes and nipples we offer are made of fine grained steel very carefully swaged to attain the greatest possible strength. These are exceptionally heavy spokes with extra large diameter at the head where the greatest stresses occur. Nipples are parkerized giving greater rust resisting qualities.

Spoke No.	Nipple No.	For Model	Price
3943-25	3947-16	1925-1927 Front and sidecar wheel	$ .07
3944-25	3947-16	1925-1927 Rear wheel	.07
3943-27	3947-16	1927 Front and sidecar wheels 8 9/16"	.07
3944-27	3947-16	1927 Rear wheels 8 9/16"	.07
3944-26	3947-16	Singles	.06
3943-16	3947-16	1916 Rear wheels, 1917 to 1920 both wheels, 1921 to 1924 front wheels only, all 28x3" sidecar wheels	.07
3944-2[illegible]	3947-16	1921 to 1924 rear wheels only	.07
3943-1[illegible]	3947-15	1915, 1916 front wheel only	.06
3945-15	3947-15	All Sport Models	.05
3946-15	3947-15	All racing wheels	.07

We Recommend These Spark Plugs



Wright Spark Plugs

Wright Spark Plugs have the best insulated mica core on the market. They are fitted with 95 per cent nickel electrodes and are as good a stock type mica plug as can be obtained.

36-11—7/8 in.
S. A. E..$1.00

Champion No. 12

The Champion No. 12 Spark Plug is specially constructed throughout to withstand the excessive heat of a motorcycle engine and deliver the maximum power. They are popular with all riders and give good service.

38-09, Metric $.75

Lodge Spark Plugs

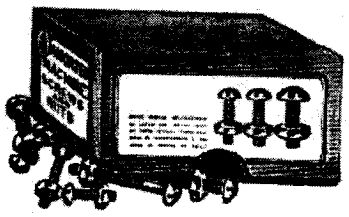
The Lodge Spark Plug is specially designed and constructed for use in racing motorcycles. There is none better.

This plug should NOT be used in a stock model.

36-24—7/8"
S. A. E..$3.00
37-24—Metric
.....$3.00

A Handy Screw and Nut Assortment

Here is an assortment that should be in every motorcycle and bicycle repair shop. Used on toe clips, bells, mud and chain guard braces, lamps, mechanical horns, license brackets, tanks, etc. The assortment contains one gross round head nickeled screws with hexagon nuts to fit.



11364-X $1.00

FOR RESEARCH PURPOSES ONLY

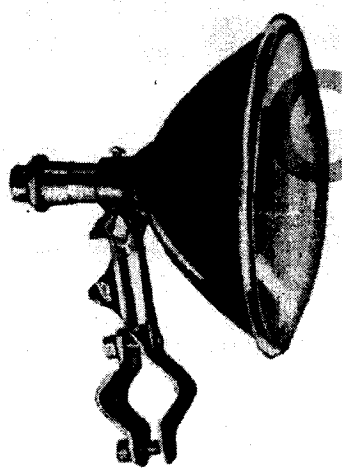
Shoot on Your Spotlight and Ride in Safety

Just turn on your Kay Bee Spotlight and watch a big, bright ray of light stream out over the road ahead. Makes clear as day any particular section of the road you want and makes your travel safe. Strange and dark roads are easy to drive over when your Kay Bee Spotlight is on the job. And then when you're in trouble, fixing a tire, making adjustments or looking at your gas you will find the Kay Bee a real friend.

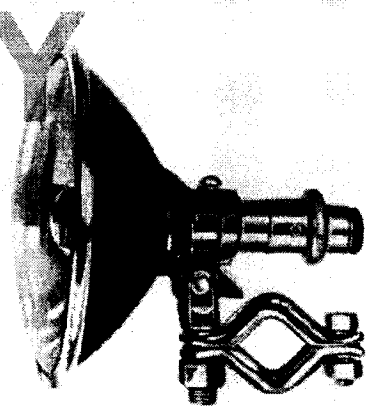
It's good-looking, too, and makes your motorcycle stand out from the rest. With a Kay Bee lighting up the way you'll make a big hit when you drop around and ask your girl to go out for an evening spin.

The Kay Bee Spotlight is quickly attached or detached. It is light in weight and therefore places a minimum of strain on the attaching bracket. The patented cupped reflector is heavily silvered and there is a substantial and efficient switch in the handle.

RESEARCH PURPOSES ONLY

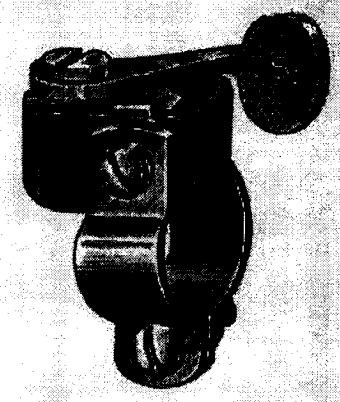


11366-X—Little King $4.50



11367-X—Competitor $4.50

Handlebar Switch

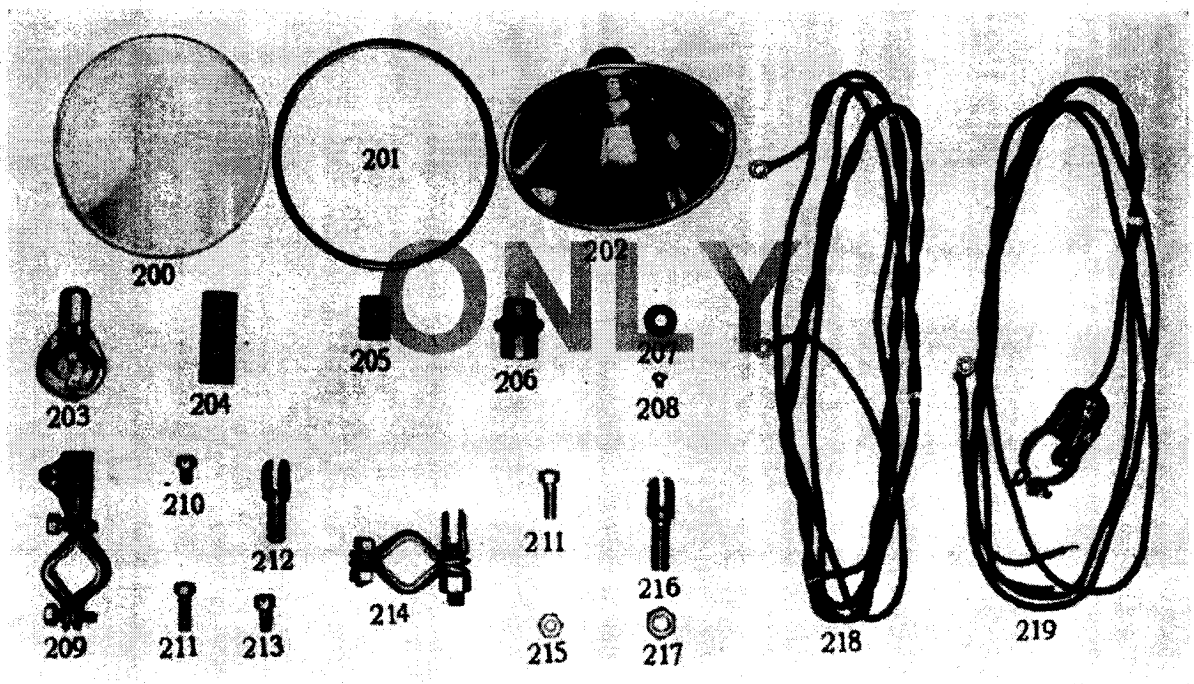


This useful little switch places the lighting of the spotlight at the motorcyclist's finger tips. With this switch attached you can turn the spotlight on and off without removing your hand from the handlebar. This switch will not interfere with driving control and looks neat on the motorcycle. For spotlight wire see photo No. 218 and 219, below and page 29.

11370-X—Handlebar switch only.....$ .75

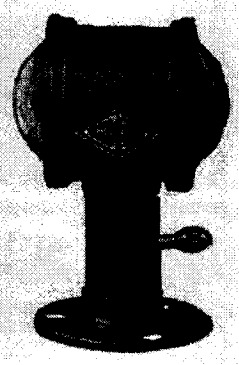
Kay-Bee Spotlight Parts

Stock No.	Photo No.		
11371-X	200	Glass	$ .35
11372-X	201	Glass Retainer	.45
11373-X	202	Lamp Body and Reflector	1.00
4925-26	203	Bulb	.35
1137[illegible]-X	204	Socket with Insert	.35
1138[illegible]-X	205	Connector Plug	.10
1138[illegible]-X	206	Connector Plug Cap	.15
1138[illegible]-X	207	Insulating Bushing	.05
11387-X	208	Focusing Screw	.05
11392-X	209	Little King Bracket	1.00
11394-X	210	Bracket Swivel Clamp Screw	.20
11393-X	211	Bracket Clamp Screw	.25
11389-X	212	Swivel (Double Ear)	.30
11391-X	213	Swivel Clamp Screw	.25
11392-26	214	Competitor Bracket	1.00
11393-X	211	Bracket Clamp Bolt	.25
11392-26B	216	Swivel	.10
11392-26C	215	Bracket Clamp Bolt Nut	.40
11392-26D	217	Swivel Nut	.10
11395-X	218	Spotlight Wire only	.35
11396-X	219	Spotlight Wire with Switch	1.00



FOR RESEARCH PURPOSES ONLY

Electric Sidecar Lamp



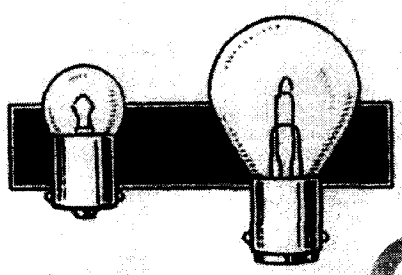
This is the popular Culver-Stearns parking or sidecar lamp. It can be attached to several places on the sidecar at the option of the owner. Some riders attach the lamp to the top of the sidecar mudguard. Others place it on the side of the body either directly ahead of the door or below the arm rest. The lamp is fitted with a white lens in front and a red lens in the rear and is provided with a switch.

11410-X—Lamp only	$1.50
11411-X—Lamp with wiring for single passenger sidecar	2.75
11412-X—Lamp with wiring for two passenger sidecar	2.75

FOR RESEARCH PURPOSES ONLY

Electric Bulbs

Factory No.	Contact	Voltage	Candle Power	Filament Cons.	For	Price
*4927-15	Single	6-8	3	C6	Dimmer, tail lamp and speedometer lamp	$ .20
11416-X	Double	6-8	2	S3	Sidecar lamp	.20
4925-20	Single	6-8	21	C2	Headlamp	.35
4925-26	Double	6-8	21	C2	Spotlight	.35

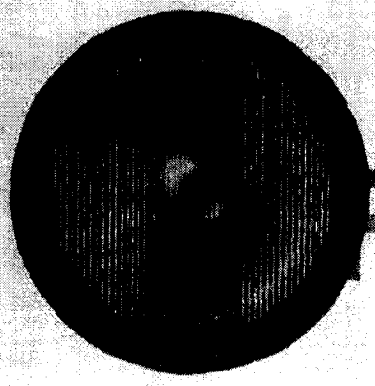


*NOTE—4927-15-C6 type electric bulb is an improved tail lamp and dimmer bulb with a fine coil filament extending in a gradual arc across filament supports. This construction has proven under thorough tests that it is unusually resistant to severe shocks. It is more durable—both in regard to ordinary road vibration and sudden shocks such as kicking up the stand, than the old S-3 type which has a straight wire bent to form two loops between the filament posts.

Wiring, Rubber Tubing and High Tension Cable

Factory No.		
4712-15	—Old code fixture wire, per foot	$ .04
11420-X	—Spotlight wire, per foot	.06
4720-15	—Small rubber tubing, 3/16 inch hole, 1/4 inch outside diameter, per foot	.06
4721-15	—Large rubber tubing, 9/32 inch, 3/8 inch outside diameter, per foot	.08
11422-X	—High tension cable (Generator and Magneto), per foot	.08
4718-15	—3/16 inch annealed copper tubing, per foot	.15

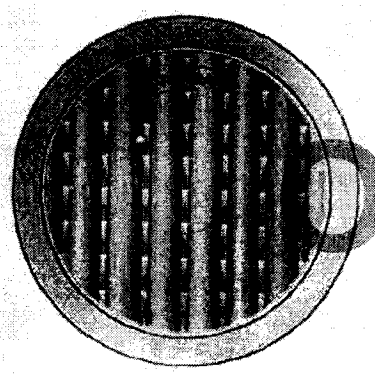
Monogram Lens



The Monogram is a diffusing lens that distributes the light over the full width of the road and still does not blind the approaching motorist. It transmits the full candle-power of the light and does not absorb it. This is the same lens used as standard equipment on current model Harley-Davidsons. It is legal in all states.

11425-15—6½ inch $1.00
11425-21—6⅛ inch 1.00

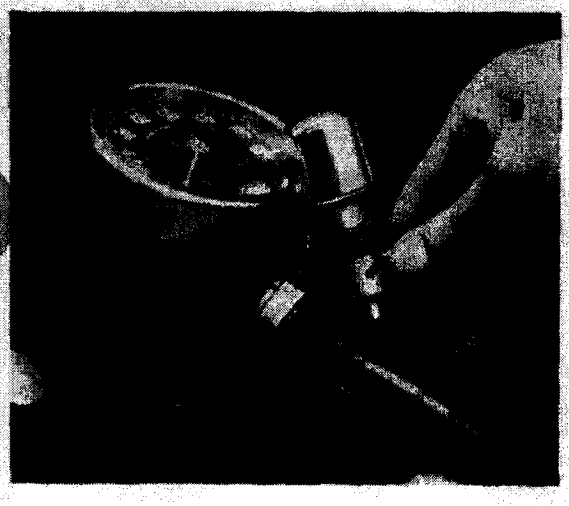
Standard Lens



A reasonably priced lens that diffuses the light and takes away the glare. Legal in most states.

11426-15—6½ inch ..... $ .30
11426-21—6⅛ inch ..... .30

Speedometer Lamp



Flip over the switch and a flood of light illuminates your speedometer. Just what you need for night riding.

A big feature of this speedometer lamp is the specially designed Harley-Davidson bracket. As shown in the illustration one band fits around the socket of the lamp and is firmly held in position with a bolt and nut. Another band fits around the cup brace extension of the speedometer head and is held solidly by another bolt and nut. This double bolt and nut design construction anchors the speedometer lamp permanently and does away with the annoyance of loosening and rattling.

This Lamp is supplied with 24 inches of rubber insulated cord covered with varnished cotton braid. A terminal at the end provides for attachment at the tail lamp and sidecar lamp connection which is protected by a fuse.

11430-X—Lamp complete $1.25
11433-X—Bracket complete ..... .15
11436-X—Reflector ..... .15
11386-X—Switch lever ..... .15

For RESEARCH PURPOSES ONLY

Weed Tire Chain

This genuine Weed Motorcycle Tire Chain is just what you need for bad weather riding. Slip a Weed Chain on your rear wheel and you have sure-footed protection against skidding or getting stuck in muddy ruts and snow drifts. Play safe and equip your motorcycle with a Weed Chain. Comes in handy bag ready to attach.

27 x 3½" and 27 x 3.85 Tires

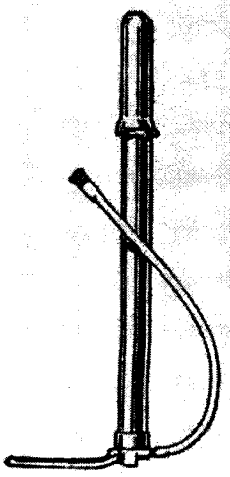
11545-25—Chain complete	$2.60
11546-25—Cross chain	.09
11548-X—Connecting hook	.50

Motorcycle Tire Tool Set

Consists of three irons, each seven inches long and made of thoroughly hardened steel. One special shaped iron starts the tire away from the rim and each of the other two digs under the bead of the tire, pulls the bead over the rim and hooks on to a spoke, thus allowing free use of both hands to use the next tire iron. Each set packed in a black enameled canvas kit.

11551-X—Per set	$ .60

Every Rider Needs a Tire Pump



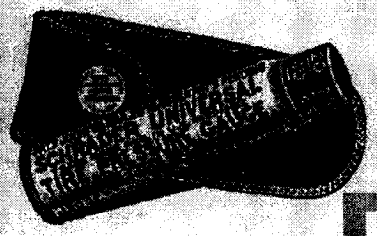
This tire pump is made of seamless brass tubing with foot attachment and is heavily nickeled. Furnished with two spring clips. The hose fits inside the handle when not in use. We do not hesitate to recommend this pump. It is the same pump used as regular equipment on current model Harley-Davidson motorcycles.

11553-25—Pump with clips for 1925 to 1927 models	$1.75
11553-08—Pump with clips for older and Single models	1.75
11555-X—Pump hose	.20
11557-25—Pump clips—large	.15
11556-08—Pump clips—small	.10

Note: 1925 to 1927 models use one small and one large clip. Previous models use two small clips.

RESEARCH PURPOSES ONLY

Schrader Tire Pressure Gauge



Nothing is so essential to the long life of tires as the proper inflation pressure. With the Schrader Gauge, correct pressure indication is assured. Packed in leather case as shown.

11561-X..... $1.35

Schrader Valve Caps

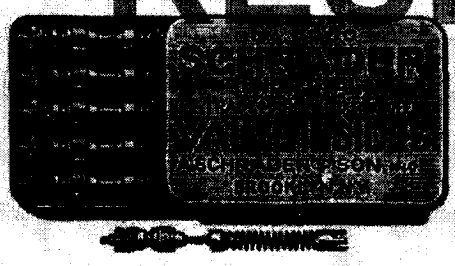
11[illegible]—Each ..... $ .06

Schrader Balloon Tire Gauge

This Schrader Gauge is for use on balloon tires exclusively and is of the latest design and construction. Is graduated in pounds instead of the regulation 5 pound scale. Comes in a neat leather case.

11562-X..... $1.50

Schrader Valve Insides



For use in all Schrader Tire Valve Stems under high or low pressure.

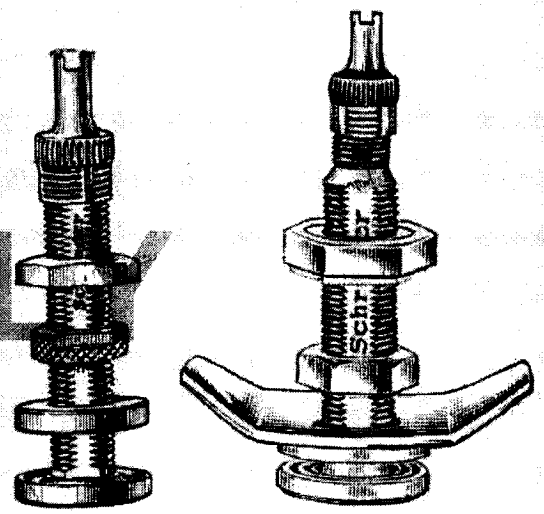
11564-X—Each ..... $ .06

Schrader Valve Repair Tool

This tool is capable of doing the following repairs on Tire Valves. Repairs inside and outside thread of valve stem. Smooths down valve cap washer seat on stem. Removes or inserts valve insides. Deflates tube.

11565-X..... $ .35

Schrader Universal Valves



You can easily replace your old valve with this Schrader Valve at any time.

11567-08—G & J Shoe Valve..... $ .21
11567-25—1925 type valve..... .22

FOR RESEARCH PURPOSES ONLY

The Schrader Reddy Seller

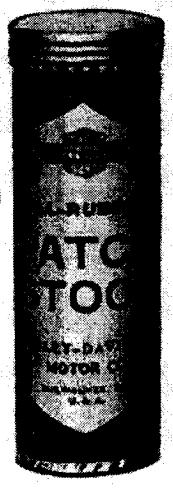
The Schrader "Reddy Seller" is designed and built like a big Schrader tire gauge, especially for the motorcycle dealer who wants to carry a complete assortment of fast selling Schrader items. It works like a slot machine and releases one box at a time. Display it on your show case or counter, where it will be a constant reminder to your riders to buy Schrader products.

The Schrader "Reddy Seller" consists of the following assortment of fast selling Schrader items:

50 No. 4990A Balloon Tire Gauges
150 No. 4000 Valve Inserts
300 No. 3800 Valve Caps

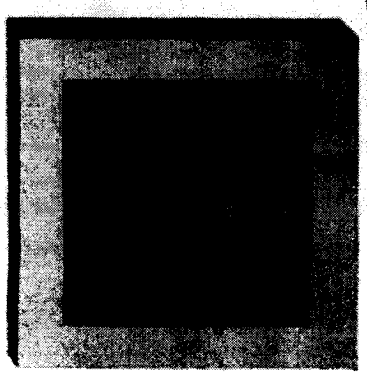
11570-X $22.50

All Rubber Patch Stock



This all rubber patch is supplied in one strip ten inches long and three inches wide. Supplying the patch in this size is a great advantage over the usual round or oval patches for it enables the motorcyclist to cut off a piece of the patch to fit the exact size of the puncture or blowout that is to be repaired. Patch stock, together with a tube of cement and a metal buffer, come packed in a round container with a metal screw top.

11571-X ..... $ .25



Friction Tape

This is a high grade, reliable friction tape, 3/4 inch wide, with exceptional adhesive qualities. Wrapped in tin foil and packed in individual cartons to prevent deterioration. Furnished in one, two, four and eight ounce rolls.

11572-X—1 ounce roll ..... $ .05
11573-X—2 ounce roll ..... .10
11574-X—4 ounce roll ..... .15
11575-X—8 ounce roll ..... .30

FOR RESEARCH PURPOSES ONLY

Rubber Cement

This is a medium heavy, quick drying pure gum cement put up by the Goodrich Rubber Company. We recommend it for all around use. Comes in tubes four inches long.

11576-X..... $ .10

Blow-out Patch

This patch is made strong enough so that it will hold an ordinary blow-out without the help of an outside boot. It has two flaps which make it fit snugly around the bead and hold it securely in place.

11581-X—3½ inch..... $ .30
11580-X—3 inch..... .25

FOR RESEARCH PURPOSES ONLY

Vulcanize and It Will Last

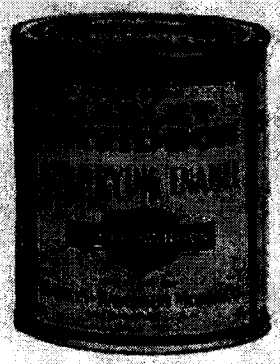
Vulcanize your punctures with this Shaler Vulcanizer and you have done the job for keeps. Only *five minutes* and you can turn out a permanent job that will outlast the tube. Far superior to any stuck on patch. Moulds the patch to a feather edge that will not loosen.

The simplicity comes from the use of a special patch and heat unit, one of which is used for each repair. Each unit consists of a metal pan containing a block of slow-burning fuel, and having a patch of raw rubber attached to its underside.

To make a repair you simply clamp one of the units over the puncture and touch a match to the fuel. Exactly enough heat is generated to vulcanize the rubber. After five minutes take off the clamp and throw the pan away. That's all. Anyone can do it anywhere. No gasoline, no cement—no danger of burning the tube. The patch is vulcanized—heat-welded—permanent.

Each oufit includes nickel plated vulcanizer and six round and six oval patch and heat units. Extra patch and heat units are obtainable, one dozen in a tube.

11585-X—Vulcanizer set $1.50
11586-X—Round patches, doz..... .75
11587-X—Oval patches, doz..... .75



Harley-Davidson Air Drying Enamel

This enamel is used for enameling or touching up scratches on frames, tanks, mudguards, etc. It is exactly the same quality and body as that used on our motorcycles and sidecars. Although we advertise it air drying enamel, it can also be used effectively where the baking process is preferred.

Olive Green Enamel

11595-X—¼	Pint Can	$ .35
11596-X—½	Pint Can	.60
11597-X—1	Pint Can	1.00
11598-X—1	Quart Can	1.75
11599-X—1	Gallon Can	6.50

Brewster Green Enamel

11601-X—¼	Pint Can	$ .35
11602-X—½	Pint Can	.60
11603-X—1	Pint Can	1.00
11604-X—1	Quart Can	1.75
11605-X—1	Gallon Can	6.50

Striping Color

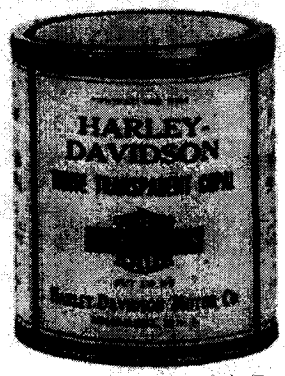
This striping color is the same quality we use in striping sidecars, tanks, guards, etc., in our own factory. Put up in small tubes ½ by 2½ inches.

Tubes

11631-X	Maroon	$ .25
11633-X	Black	.35

Striping Bronze

11641-X	Gold Bronze, per package	$ .45
11642-X	Aluminum Bronze, per package	.50



Harley-Davidson White Transparent Copal

A high grade copal or white varnish for protecting and finishing re-enameled parts. This is exactly the same grade of copal that we use in putting that high grade finish on our motorcycles and sidecars.

11620X—¼	Pint Can	$ .40
11621-X—½	Pint Can	.60
11622-X—1	Pint Can	1.10
11623-X—1	Quart Can	1.85
11624-X—1	Gallon Can	6.75

FOR RESEARCH PURPOSES ONLY

Striping Brushes

No. 1—No. 4 Sword Striper. This brush is used for the hair lines on the outside of the wide stripe. In other words, it is used for edging the stripes on the tank, mudguard, sidecar body, etc.

11650-X ..... $ .60

No. 2—No. 2 Sword Striper. The proper brush to use for the thin hair line stripe in the center of the broad stripe on the tank, mudguard, sidecar body, etc.

11651-X ..... $ .55

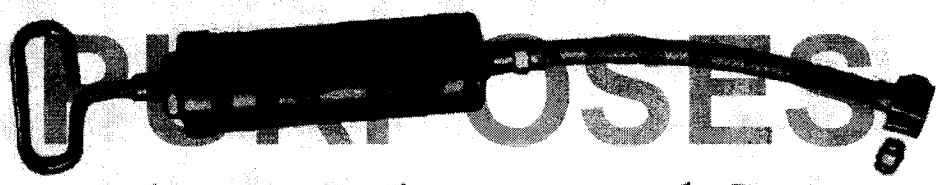
No. 3—The Quill Striping Brush is for the 1/4 inch broad line striping on the tool box and mudguards.

11652-X ..... $ .20

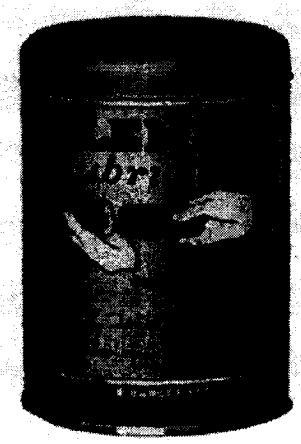
No. 4—The Metal Tube Brush is for the 3/4 inch broad stripe, on the tank, mudguard, sidecar body, etc.

11653-X ..... $ .70

FOR RESEARCH PURPOSES ONLY



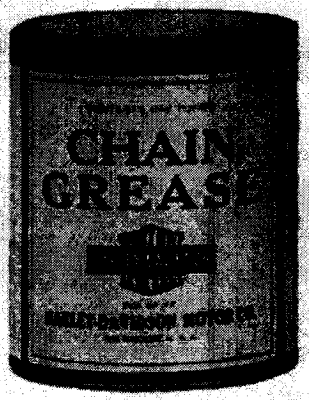
Alemite Lubricant and Gun



One of the biggest features of the later Harley-Davidson models has been the introduction of the famous Alemite System of lubrication. This system, first instituted into the motorcycle field by Harley-Davidson, takes but five minutes to thoroughly lubricate the entire machine and sidecar. Simply hook the cap of the gun over the fitting, turn the handle, and the lubricant is shot right where it is needed under 500 lbs. of pressure. A half back turn of the handle releases the pressure and you are ready for the next fitting.

11661-X—Compressor complete $2.25
11662-X—Compressor only 1.25
11663-X—Compressor Leather Washer .12
11664-X—Hose and fitting 1.00
11665-X—Washer for Alemite hose ... .08
11666-X—Hex. head screw for Alemite hose ..... $ .10
11667-X—Spring for Alemite hose .... .06
11656-X—1/2 lb. can Alemite ..... .25
11657-X—5 lb. can Alemite 1.75

Harley-Davidson Chain Grease

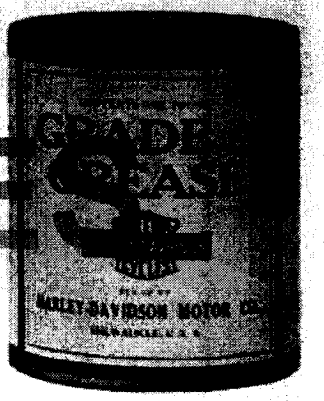


This is an extra fine quality lubricant possessing a very high melting point and an extremely low congealing point. It is especially recommended for oiling drive chains because of its excellent lubricating properties and ease of application. This grease requires no heating or melting and regular application will add many miles to the life of your chains and sprockets.

This Chain Grease is put up in convenient tubes and cans.

11688-X—Tubes	$ .35
11670-X—1 lb. cans	.75
11[illegible]—2 lb. cans	1.25
11[illegible]72-X—5 lb. cans	2.50

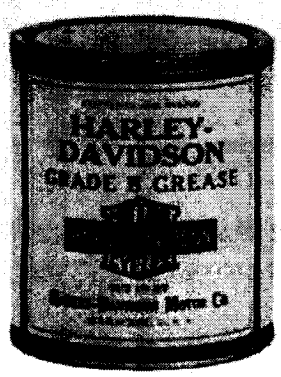
Harley-Davidson Grade "A" Grease



Grade "A" Grease is especially recommended for use in any ball or roller type bearings that are subjected to high temperature and severe usage. Especially suitable for Rear, Sidecar and Front Wheel Hub Bearings, Generator Bearings, Transmission Bearings, Clutch and Pull Rod Bearings. This grease has a very high melting point and an extremely low congealing point. It is put up in 1 lb., 2 lb. and 5 lb. cans.

11678-XA—1 lb. can	$ .60
11678-XB—2 lb. can	.95
11678-XC—5 lb. can	1.85

Harley-Davidson Grade "B" Grease



Grade "B" Grease is a high quality cup grease recommended for use where heat and cold resistance are not important factors. Also in bearings where the service is light. Should be used for lubricating upper and lower steering head bearings, fork recoil and cushion springs, sidecar ball joints and seat post springs.

This grease should NOT be used for lubricating generator or transmission bearings.

11673-X—1 lb. can	$ .40
11674-X—2 lb. can	.60
11674-X—5 lb. can	1.30

Harley-Davidson Oil is Made and Tested for Your Motorcycle

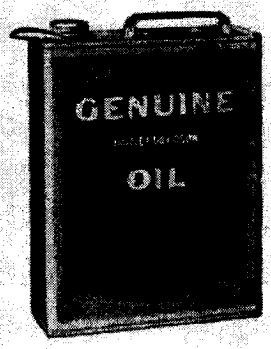
PURPOSES ONLY

USE the right kind of oil and your motor will run right — will give you countless happy, carefree motorcycling miles. Use the wrong kind of oil and you will shorten your motor's life by thousands of miles. You can't afford to take chances with any old kind of oil. Use the Genuine Harley-Davidson Oil and you'll be safe.

The same engineers who built and designed your motor have developed Genuine Harley-Davidson Oil. They know the kind of oil you need to get the maximum performance from your motor. Constant laboratory tests are made to insure an even standard grade of oil that you can absolutely depend on — an oil that will treat both you and your motor right — an oil that will give you all the power and pep your motor possesses.

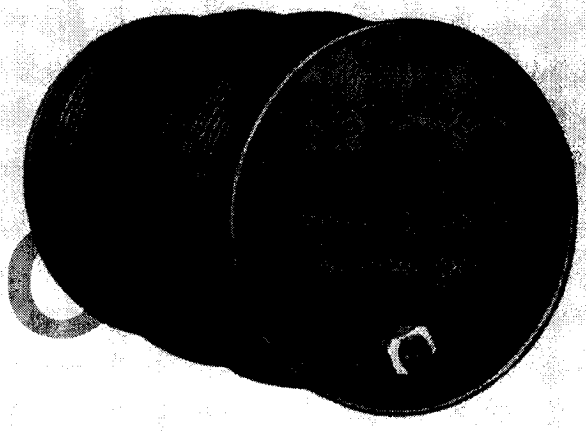
Your motor's life is largely determined by the kind of oil you use. It pays in the long run and in the short one, too, to use the oil that's tested and proved to be right for your Harley-Davidson motorcycle. Genuine Harley-Davidson Oil is known to be "the best by test". It comes to you in sealed containers for your protection. Demand and get it. Your dealer is ready to supply you.

Be Sure You Always Get the Genuine Harley-Davidson Oil



This one gallon can will fit nicely under the sidecar seat. Play safe and when you take a trip carry a can with you.

Here is the new five gallon can of Genuine Harley-Davidson Oil. It is much more convenient than the old can, and being weighted in the bottom handle it always remains upright and will not tip. Special drain spout is provided at top opening. You can save a nice little sum by buying this genuine oil in the larger container.



Supplied for dealers in these 30 and 55 gallon drums.

Summer Oil

11700-X—	1 Gallon Can	$1.45
11701-X—	5 Gallon Can	6.15
11703-X—	½ Barrel (30 Gal.), per Gallon	1.00
11704-X—	1 Barrel (50 Gal.), per Gallon	1.00

Winter Oil

11705-X—	1 Gallon Can	$1.45
11706-X—	5 Gallon Can	6.15
11708-X—	½ Barrel (30 Gal.), per Gallon	1.00
11709-X—	1 Barrel (50 Gal.), per Gallon	1.00

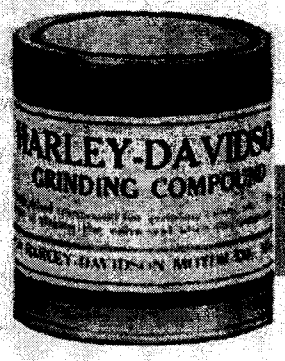
Crystal Oilzum

(For Race and Hill Climb use only)

11710-26—	1 Gallon Can	$3.50
11711-26—	5 Gallon Can	16.75

FOR RESEARCH PURPOSES ONLY

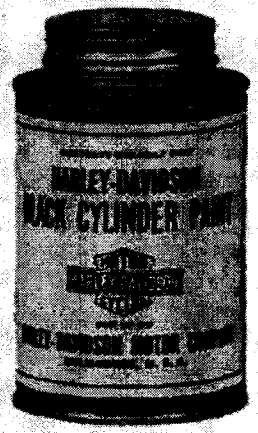
Grinding Compound



Harley-Davidson Valve Grinding Compound is in big favor with many dealers and riders. This is a ready mixed compound and is being used with very good results in our own factory. With this compound, there is no danger of grooving the valve or seat at any time. Comes in neat 1/6 lb., ½ lb. and 1 lb. cans. A reasonably priced valve grinding compound we highly recommend.

11720-X—1/6 lb. can		$ .45
11721-X—½ lb. can		.90
11722-X—1 lb. can		1.35

Black Cylinder Paint



Brighten up the appearance of your motorcycle by giving the cylinders, exhaust pipe and muffler a coat of this Black Cylinder Paint. Can be used on either the Twin or Single cylinder models. Very easy to put on.

11649-XA—¼ Pint Can		$ .30
11649-XB—½ Pint Can		.45
11649-XC— 1 Pint Can		.85

3-in-One Oil

The sterling qualities of 3 in 1 oil are well known. Put up in a handy three ounce can which is fitted with a special screw top spout.

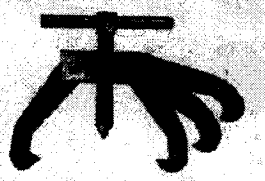
11690-X—Per can		$ .30

Holdfast Shellac

The old reliable liquid shellac.

11692-X—2 oz. bottle		$ .25
11694-X—1 pint can		1.20
11695-X—1 quart can		2.25
11696-X—1 gallon can		6.75

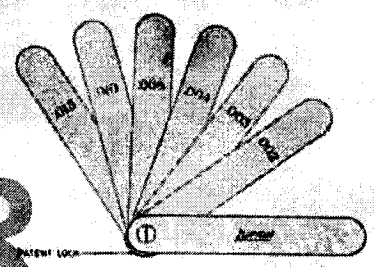
Harley-Davidson Tools



Sprocket Puller

A specially designed puller to easily remove odd and even tooth engine sprockets. Can also be used for removing EG-601 starter main shaft gear used on all rear stroke starter models since 1916.

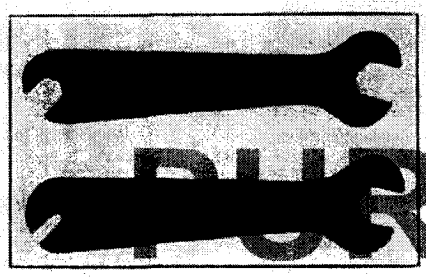
11920-X ..... $ .85



Thickness Gauge

Indispensable for obtaining proper valve tappet clearances and various bearing fits. This gauge has six leaves as follows: .002", .003", .004", .008", .010", .015". The steel back piece is ground to .030" and may be used for setting spark plug points. The leaves are carefully tempered and have the dimensions plainly marked.

11974-X ..... $ .90

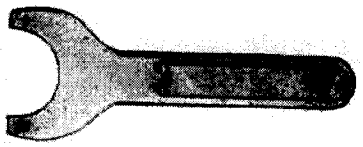


Exhaust Lifter Pin Adjusting Wrenches

This pair of wrenches is specially designed for use when adjusting exhaust valve lifter pins, valve stem clearances and inlet push rods. Sold in pairs only.

11904-X ..... $ .25

Inlet Housing and Crank Case Wrench



Two tools in one. Used to remove inlet housing collar nut, and also for removing casing stud nut.

11903-X ..... $ .45

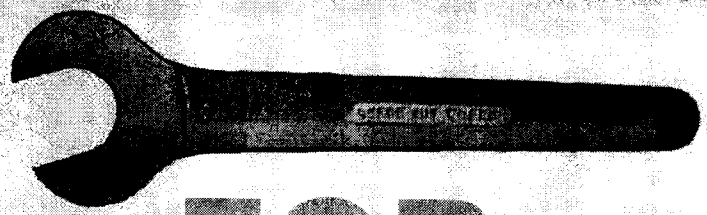
Inlet Housing Clamp Nut Drift

This specially designed drift is more than a common punch or chisel. It is shaped to fit the housing clamp nuts in such a way that they can be either tightened or removed without damaging the nut. The tool is made of a very high grade tool steel. In addition to being invaluable for inlet housing clamp nuts, it may be used for tightening or removing other gland nuts used at various places on our motorcycle.

11902-X ..... $ .60

FOR RESEARCH PURPOSES ONLY

Manifold and Sidecar Wrenches



A single end drop-forged wrench made to fit all carburetor manifold nipples and nuts on all 61 inch motors. Also fits all sidecar ball joint nuts.

12002-X..... $ .75

Same style wrench to fit 1924 and later 74 inch carburetor manifold nipples and nuts. Will not fit sidecar ball joint nuts.

12003-X..... $ .75

Sprocket Shaft and Flywheel Nut Wrench

A heavy wrench to fit flywheel gear shaft and sprocket shaft nuts, and early model handle-bar end nuts and crank nuts.

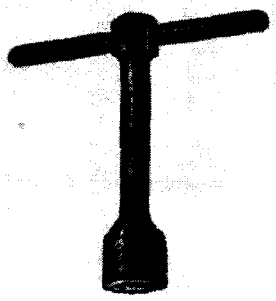
11930-X..... $ .30

Open End Wrenches

These are the very highest grade drop-forged open end wrenches. Lacquered to prevent rusting. They fit the various hexagon nuts used on the Harley-Davidson.

11976-X—Milled openings, 3/8 inch-7/16 inch..... $ .40
11977-X—Milled openings, 3/4 inch-7/8 inch..... .95
11978-X—Milled openings, 5/8 inch-3/4 inch..... .70
11979-X—Milled openings, 5/16 inch-13/32 inch.. .30
11980-X—Milled openings, 9/16 inch-11/16 inch.. .45
11981-X—Milled openings, 7/16 inch-1/2 inch.... .55
11982-X—Milled openings, 19/32 inch-1/2 inch.... .45

Socket Wrenches

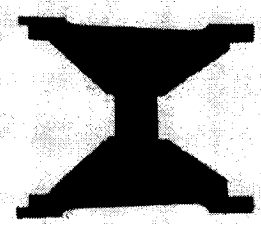


These are the very highest grade drop-forged socket wrenches. Lacquered to prevent rusting. They fit Harley-Davidson hexagon nuts perfectly.

11988-X— 7/16 inch hexagon nuts..... $ .80
11989-X— 1/2 inch hexagon nuts..... .80
11990-X— 9/16 inch hexagon nuts..... .90
11991-X—11/16 inch hexagon nuts..... 1.05
11992-X— 5/8 inch hexagon nuts..... 1.00
11993-X— 7/8 inch hexagon nuts..... 1.35
11994-X— 3/8 inch fits GO-501 tank screw..... .70

12000-X—Six inch blade screw driver..... $ .60

Three Speed Wrench



An inexpensive tool specially designed to be used in connection with a heavy monkey wrench for removing ball bearing housings and lock nuts on three speeds.

12017-X ..... $ .30

Gear Box Wrench

A double open end offset wrench specially designed to fit gear box mounting stud nuts for making front chain adjustment.

11803-X ..... $ .30

Rear Axle Cone Adjusting Wrench

A very handy tool for adjusting cones and cone lock nuts.

12024-X..... $ .30

Motorcycle Spoke Nipple Wrench

An extra heavy drop forged wrench for ordinary use.

12033-X—Fits all models since 1915..... $ .30

Speedometer and Tank Screw Wrench

An offset open end wrench especially designed to fit hexagon head tank screws used in connection with fitting the speedometer bracket on the tank.

12038-X..... $ .25

Front Wheel Cone Adjusting Wrench

This special wrench is made for adjusting the front wheel ball bearing cones. It will fit all front wheel cones used on 1921 and subsequent models.

12025-X..... $ .35

FOR RESEARCH PURPOSES ONLY

Contact Point Files are used to resurface circuit breaker points.

11840-X—For tungsten points.....$ .15
11841-X—For platinum points..... .15

Motorcycle Battery Hydrometer. A tested hydrometer that will give you accurate readings at all times. Comes carefully packed to prevent breakage.

11833-X $1.25

Harley-Davidson and Remy Generator Wrench.—For adjusting the circuit breaker point screw on all types of generators. The wrench has a convenient gauge attached for measuring the gap between the points.

1531-15 .....$ .10

Bosch Magneto Wrench.—For adjusting platinum pointed screws and lock nuts on Bosch magnetos.

11867-X—For armored type magneto.$ .30

Generator Brush Plate Screw Adjusting Wrench is made to fit the hexagon screw which retains third brush plates on all generators from 1919 on.

11864-X .....$ .25

Harley-Davidson Tool Kit

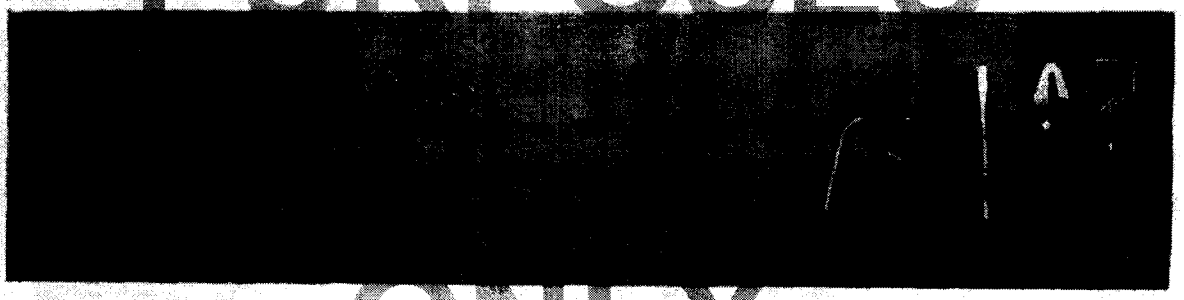
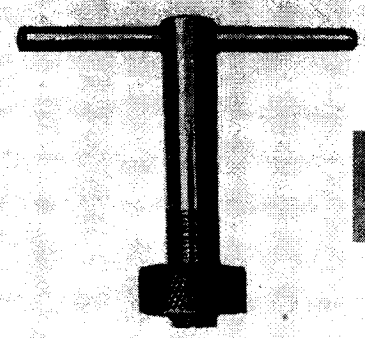


Photo Number	Stock Number	Name of Tool	Price
	11800-X	Complete tool kit	$3.00
1	11802-X	Front and rear wheel axle nut wrench	.45
2	11803-25	Transmission oil filler plug and stud nut wrench	.25
3	11804-X	Gasoline line unions and cylinder base nut wrench	.15
4	11806-X	Exhaust valve cover and valve tappet adjusting nut wrench	.20
5	11905-X	Valve tappet adjusting wrench	.15
6	12039-X	Chain repair tool	.65
7	11811-X	Two inch blade screw driver	.30
8	11812-X	Adjustable pliers	.40
9	11813-X	Monkey wrench	.40
	11819-X	Tool roll only	.50

FOR RESEARCH PURPOSES ONLY

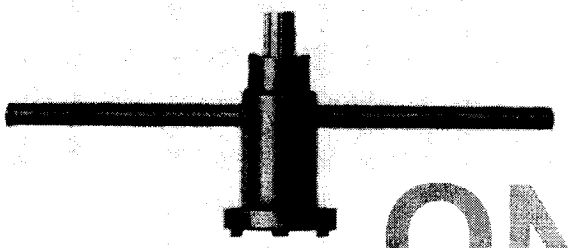
Valve Grinding Tool for Overhead Valve Model



As these valve heads are not provided with screw driver slots, this special tool, which attaches to end of valve stem, is required for turning the valves when necessary to grind them. It is fitted with a large chuck locking nut, which not only makes it easy to attach tool to valve stem, but also serves as a spring stop in case it is desired to place a light spring over the valve stem between tool and cylinder head, to hold the valve against its seat while grinding.

12636-26—For 1/4 inch stem.....$ .60
12636-27—For 5/16 inch stem..... .60

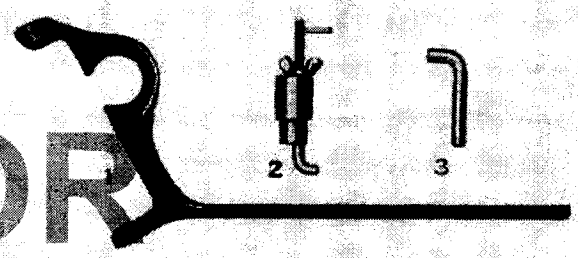
Clutch Wrench



One end of this double end T handle wrench fits the clutch spring tension adjusting nut. The other end fits the nut which secures the inner or back disc of clutch to clutch gear hub. Both ends of wrench pilot on gear hub and will not slip off the nuts. A sturdy wrench that will last a life time. It handles nuts that otherwise would require a punch and hammer.

12745-26..... $2.55

Valve Spring Compressor for Overhead Valve Model



The double spring combination used on the overhead valve model is so strong that it is almost impossible to remove or replace springs without the aid of a special tool. It is not advisable to attempt to perform this operation with a screw driver or some other makeshift tool.

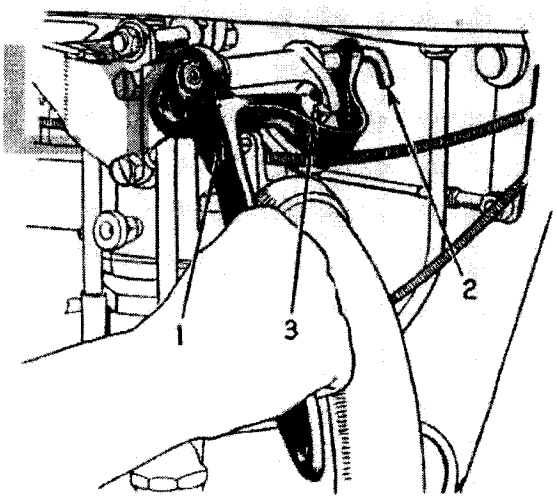
With this tool the springs can easily be compressed, either with the cylinder head removed or with head attached to motor assembled in frame. Instructions furnished with tool.

1—Compressor.

2—Valve support—Fits into spark plug hole. Bent end slips under valve head, holding valve in place after spring assembly has been removed.

3—Compressor pin—Fits into left rocker arm stud nut after removing grease cup and acts as pivot for compressor. See No. 2 in illustration below.

12630-26 .....$1.50



FOR RESEARCH PURPOSES ONLY

Here's a Complete Tool Kit for Your Single Cylinder Model

Photo Number	Stock Number	Name of Tool	Price
	11800-26	Tool kit complete	$1.50
1	11813-X	Monkey wrench	.40
2	11812-X	Adjustable pliers	.40
3	11811-X	Two inch blade screw driver	.30
4	11806-26	Valve tappet cover, tappet adjusting screw and lock nut wrench	.20
5	11814-26	Cylinder head clamp nuts and rear wheel axle nut wrench	.15
6	11815-26	Transmission clamp nuts, fork spring plunger nuts, mechanical oil pipe connection and fork rocker rear stud nut wrench	.15
7	11804-X	Front wheel axle nuts, fork rocker stud nuts, footboard nuts, gas and oil pipe nuts, battery box clamp nuts, cylinder head and base clamp nuts and carburetor clamp screw wrench	.15
8	11905-X	Valve tappet wrench (Fits tappet adjusting nuts and side by side valve tappet body)	.15
9	11810-X	Rear axle adjusting screw and lock nut, transmission adjusting screw and top of tank screw wrench	.10
	11819-26	Tool roll only	.40

PURPOSES ONLY

MOTOR HARLEY-DAVIDSON CYCLES

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FOR RESEARCH PURPOSES ONLY

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FOR RESEARCH PURPOSES ONLY

The New Harley-Davidson Cigarette Flipper

Pictured at left on this page is the new cigarette flipper that has taken the motorcycling fraternity by storm. It has created a real sensation wherever shown.

This flipper fits any standard pack of twenty cigarettes. The sides of the flipper slide easily into the package and hold the flipper securely in place, at the same time keeping the package in shape so that the cigarettes cannot become broken or crushed.

All you have to do to open the package is squeeze the edges of the pack with a slight pressure. This releases the spring top and causes one end of the cover to fly open so that any number of cigarettes can be taken out. When the cover is again snapped shut, no tobacco can spill out into the pocket.

This Harley-Davidson Cigarette Flipper is new and different. It really practical novelty. Has the Harley-Davidson trademark embossed on the cover. Finish is a beautiful dull bronze.

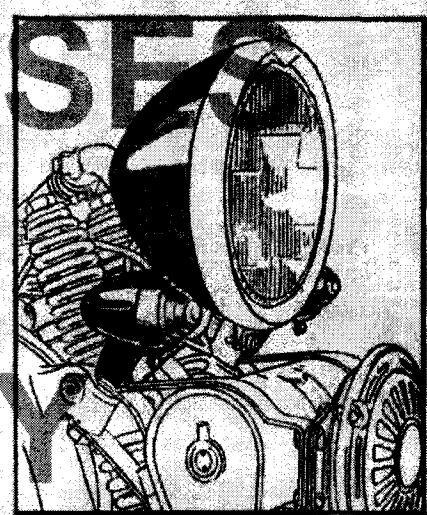
		CODE
11788-X—Cigarette flipper	*$0.35	blurv

New Bullet-type Parking Lights

These new parking lights are just what every rider of a 1931 model Harley-Davidson will want. In addition to the extra safety they afford your motorcycle when it is parked at night they add considerably to its good appearance during the day.

Although designed primarily for parking, they are also fine for city driving when the headlight is not needed. They can be connected to operate either from the main lighting switch or from a handlebar switch such as is used for spotlights. See page seven.

These new lights are plainly visible from the sides as well as from the front because the lenses project ahead of the lamp body approximately one-half inch.



		CODE
11400-X—For all 1931 models, per pair	*$2.95	hervo
11401-XL—Bullet parking light, left only	*1.65	berys
11401-XR—Bullet parking light, right only	*1.65	beaav

Harley-Davidson Felt Monogram

These orange and black embroidered emblems are fine for use on sweaters, jerseys and shirts. The design is embroidered in orange silk on a black felt background which is cut out in the shape of the Harley-Davidson trademark. Easily sewed to any article of clothing. Your mother, wife or girl friend can do the job in a few minutes.

		CODE
11766-X—Felt emblem	*$0.40	blysa

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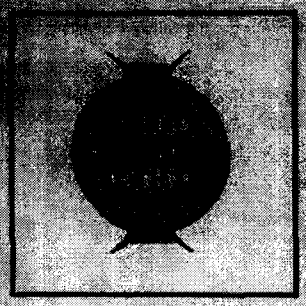
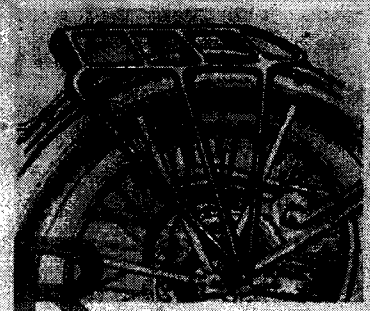
New Lapel Button



Pictured at left is the new style Harley-Davidson lapel button that looks like a motorcycle wheel. It is durably made of oxidized metal and presents a very neat, attractive appearance. Fitted with a buttonhole fastener. This item has proved very popular with riders everywhere.

CODE
11770-X—Lapel button.....*$0.10 boabo

Luggage Carrier



Designed by our engineers and built in our factory. It is extremely strong and durable and has a carrying space measuring 8 x 14 inches. Can be furnished in either brewster green or olive green.

CODE
2818-17—Olive Green.....*$5.50 ajvei
2818-22—Brewster Green.....* 5.50 ajvin
2818-26—For Single and 45" twins.....* 5.50 arsai

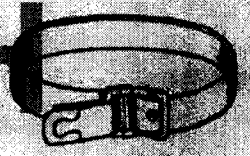
Wing Pin Emblem

Beautiful rolled gold center with porcelain enamel lettering and beautiful silver plated rim. Just the thing for your helmet or coat lapel. Fine for a present or for the girl friend.

CODE
11768-30—Wing pin..... $0.50 boagu

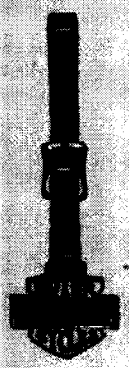
Luggage Strap

Strap is full width, 1⅛ inch wide. Made of strong flexible olive drab webbing. The buckles give you instantaneous adjustment.



CODE
11290-X—⅞" by 48".....*$0.25 bagra
11291-X—⅞" by 78".....* .30 begud

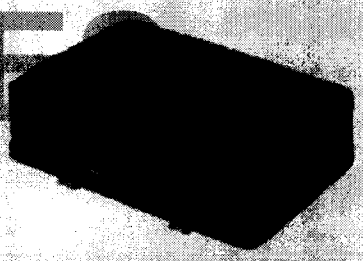
Watch Fob



These new watch fobs take the eye at once, with their attractive colors. They are the shape of the Harley-Davidson trademark with orange and black lettering against a white metal background. They do not tarnish. Each fob is fitted with a good strap and buckle.

CODE
11765-X.....$0.25 blyby

Spring Cushion



Designed to fit the Harley-Davidson Luggage Carrier. Coilsprings provide maximum riding comfort. Covered with water-proof fabric. The base is hardwood and fastens securely to the carrier.

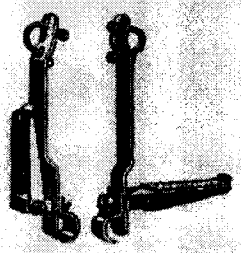
CODE
11285-X.....*$4.00 begen

New Cowhide Belts

These new, improved leather belts are from flexible, specially selected, highly polished black cowhide. The three strong straps are SEWED ON. No rivets to rust or catch in the clothing. Sizes 28 to 36. NEW LOW PRICES.

CODE
11073-XB—Plain belt, no binding.....*$3.50 bahnu
11075-XB—Pocket belt, with binding.....* 4.50 bahov

New Foot Rests



For use in combination with the luggage carrier and spring cushion, these new Harley-Davidson foot rests make a dandy tandem attachment. Strongly made of heavy cold rolled steel with unbreakable attaching clips. Adjustable to fit any model. Steps fold up out of the way when not in use.

CODE
11286-30.....*$2.50 belet

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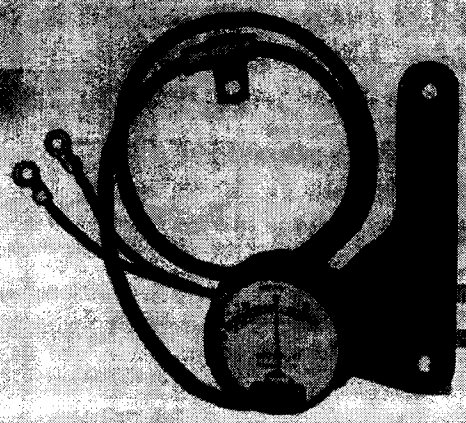


FOR RESEARCH PURPOSES ONLY

Ammeter

Everyone knows the value of an ammeter and how it keeps the driver informed as to whether or not the battery is charging. Only a high grade ammeter should be used. The ammeter we recommend is a Weston, made specially for [illegible] Harley-Davidsons, and is the same as [illegible] standard equipment on 1929 and late models.

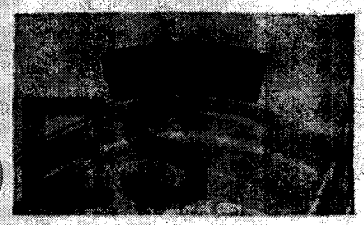
		CODE
11200-25—Ammeter with wire and bracket for 1925 to 1928 models	*$3.50	bayby
4580-29—Ammeter only	* 2.50	avijm

Front Stand

This front stand is very useful when the front wheel must be taken off.

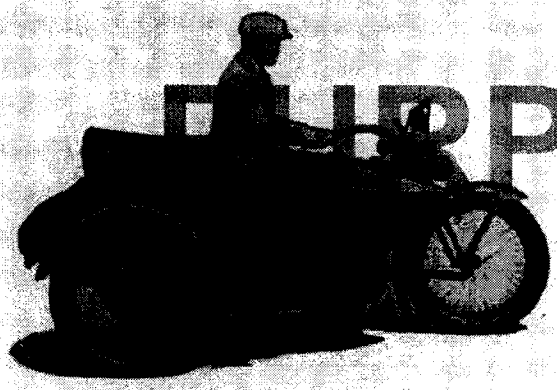
		CODE
3001-25—1925 to 1929 big twins	*$2.50	bykho
3001-26—1926 to 1929 singles and [illegible] singles	1.50	bykip
3001-28—1928 45° twins	2.00	bykmu
3001-30—1930 big twins	2.50	bluae
3001-30A—1930 and 1931 C singles and 45° twins	* 2.00	bluei
3001-31—1931 big twin	* 2.50	bykow

Name Plates



These name or number plates are made of heavy steel sheet with a [illegible] enamel finish and are [illegible] able for the fastening of license plates or for any advertising purpose.

		CODE
11337-X—Front number plate	*$0.80	bekre
11340-X—Rear number plate	* .50	bekyl



Sidecar Cover

Rain, hot sun or road dust won't have a chance to spoil the upholstery of your sidecar when you've got this Harley-Davidson waterproof sidecar cover fastened down over it.

The closely woven, first quality fabric is strong and exceptionally durable.

For Single Passenger Sidecars

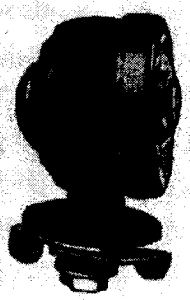
		CODE
11020-23—With cape for LT	*$8.50	bacza
11019-23—Straight cover for LT	* 5.00	bacuv
11019-29—Straight cover for LS	* 5.00	bacyz

For Two Passenger Sidecars

11021-23—Straight cover	*$7.00	badac

Sidecar Lamp

The new Harley-Davidson sidecar lamp is a practical, well built lamp, made specially for your side car. It has a large white lens in front and red jewel to the rear. A substantial switch is included with each lamp.



		CODE
11411-28—Lamp with wiring for LT	*$3.00	beani
11411-29—Lamp with wiring for LS	* 3.00	beayt
11412-28—Lamp with wiring for QT	* 3.00	beaoj
11413-28—Lamp with switch only	* 2.00	beauo
11410-28—Lamp only, less switch	* 1.80	beaje

Never a Drop Gets Through This Harley-Davidson Everdry One-Piece Rain Suit—It's Waterproof!

SPECIALLY designed for motorcycle riders, the Harley-Davidson one-piece rain suit can be depended upon to keep you dry under any conditions, no matter how severe they may be.

The rubberized fabric from which these suits are made is the best obtainable for the purpose and can be worn for hours in pouring rain without the slightest danger that any moisture will work through.

Every exposed seam has been hot cemented and taped carefully so that water cannot possibly get in through the seams. In addition, there are ten other good reasons why you will want one of these fine suits.

1—The diagonal front opening is positively guaranteed to keep out all the water. See the detailed drawing above. First you zip up the genuine Talon fastener, then button down the wide diagonal flap. This opening is so designed that water can't possibly get through it.

2—The Everdry rain suit has a good looking, watertight, military style collar.

3—The collar is fitted with a quickly adjustable strap and buckle. You can draw the collar snugly around your neck, thus keeping out all the rain. Your shirt collar will never get even damp when you are wearing this extraordinary rain suit.

4—The shoulder flap fastens with watertight snaps. It fits up under the collar and covers the upper end of the front opening so that the rain is shed down over the openings and cannot possibly get in.

5—There are built-in ventilators under each arm.

6—The pockets are roomy and waterproof. In this new type suit the small breast pocket is intended for cigarettes, maps and similar small articles. The large side pocket is of unusually large capacity. The big pocket is made so that you can get through to the pockets of your inside clothing if you want to.

7—The double thickness of material at the seat and between the knees is placed there to give you extra protection from water and wear at these important points.

8—The legs of the suit come way down over the ankles and protect the feet. They are held in place by elastics under the instepa.

9—The bottoms of the legs extend out over the shoe laces and shed all the rain that would otherwise soon wet the feet.

10—The wrists and ankles are held snugly in place with elastics sewed inside the sleeves and legs.

Here is a rain suit that offers you more real comfort and protection for your money than any other garment on the market. It is available in either white or olive drab color. When ordering from the factory please be sure to specify which color you prefer.

Made in four sizes—small, medium, large and extra large. Use the following table as a guide in ordering.

Size	Chest Measure	Height to
Small	36 to 38 inches	5 ft. 6 in.
Medium	40 to 42 inches	5 ft. 8 in.
Large	44 to 46 inches	5 ft. 10 in.
Extra large	48 to 50 inches	6 ft. 4 in.

			CODE
11055-X	Olive drab rain suit	$12.50	baiho
11055-XW	White rain suit	13.75	baimu

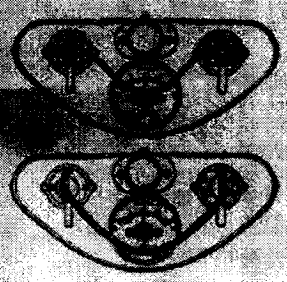
Legshield and Lap Cover

Enjoy motorcycling in any weather with one of these lap covers. Your legs and feet are fully protected from wind and rain as well as from splashing.

This legshield and lap cover can be snapped on or off in a jiffy. When not in use it can be rolled up compactly and carried in the sidecar or saddle bag.

Made of weatherproof fabric with turned and sewed edges. Strong, durable and very practical. Will last as long as the motorcycle. While it affords adequate protection to the lower part of the body, it does not interfere in any way with the controls.

		CODE
11320-X—For all models	*$6.00	bejam



Switch Keys

For the rider who wants something "different," the novelty switch keys shown at left are the last word in class.

The upper picture shows the new pyralin dice keys which are clever imitations of real transparent dice with the standard switch keys embedded in the dice. The keys are connected by a real braided leather strap which won't rattle against the switch panel.

The lower picture shows the linked keys with a braided leather strap.

		CODE
11780-X—Pair Dice Keys	$1.00	boauh
11781-X—Pair Linked Keys	.40	boavi

Steering Damper

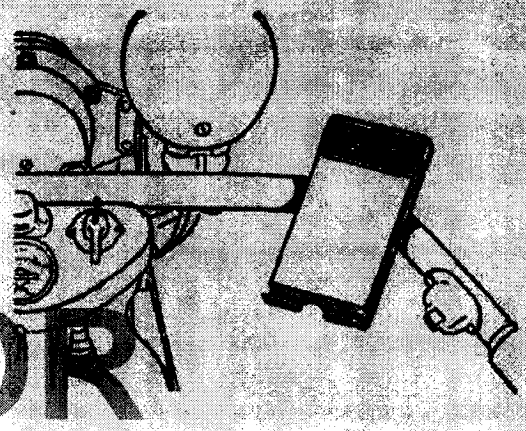
This is a well made, neat appearing steering damper that will take all the whip out of steering at any speed. Moving the simple lever control from left to right tightens up the steering adjustment. Very desirable for extremely high speeds.

		CODE
2776-30—For 1930 & 1931—74" twins	*$3.00	aykgo
2777-30—For 1930 & 1931 C singles and 45" twins	* 3.00	aykir

Front License Bracket

Some states require motorcycles to carry both front and rear license plates. If this is required in your state you will want one of these neat brackets for your front plate.

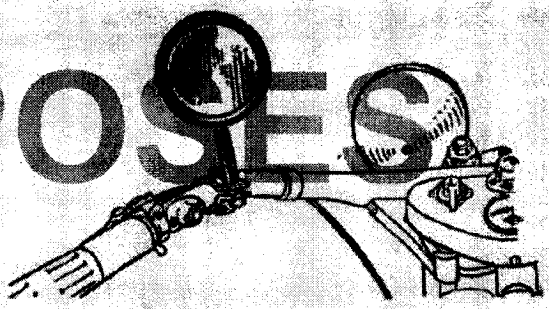
		CODE
11343-X—For 1925 to 1930 models with tool box in front	*$0.75	belfu
11343-31—For 1931	* .75	bemuj



Memorandum Pad

This handy memo pad and holder is a very handy accessory for the commercial driver to use for his list of calls, for the Mounted Officer to list stolen car numbers, etc., or for route lists on an endurance run or a long trip. Mount nearly anywhere on the handlebar so it can be seen easily when you drive along.

		CODE
11795-X—Complete	*$0.50	boayl



Handlebar Mirror

This big new mirror can be clamped to your handle bars in just the right position to give you a clear, uninterrupted view of the road behind you. No need to take a chance on turning your head to see oncoming traffic.

Very substantially made with black enameled steel frame and bracket, and 4" mirror glass. A ball and socket joint gives adjustment to any desired angle.

		CODE
11350-X	*$2.00	bemap

FOR RESEARCH PURPOSES ONLY

Snugfit Sport Glasses

These new Harley-Davidson Snugfit glasses are the most comfortable and, at the same time, the lowest priced sport glasses we have ever offered.

Sturdily constructed, with strong metal rims, heavily plated in 18 k gold, these new glasses are designed to fit lower over the eyes, thus giving better protection against wind, dust and dirt, as well as sun glare.

The lenses are wide and deeply curved. Made of optical glass to prevent eye strain. Available in clear, light amber, light smoke and light fieuzel. The medium and dark shades are also to be had on special order.

		CODE
11051-XD—Clear	*$2.75	beytu
11051-XE—Light amber	* 2.75	beyuv
11051-XF—Light smoke	* 2.75	beyxy
11051-XG—Light fieuzel	* 2.75	beyza

The "Autocrat" Model

The "Autocrat" model, shown above, is designed to meet the popular demand for a low-priced wide vision goggle that combines attractive appearance, ample protection, good ventilation, sturdy construction and low cost. Imported from France, this new goggle has a chenille-bound metal frame and easily replaceable lenses.

		CODE
11056-X	*$1.00	baept
11057-X—Extra lenses, pair	* .40	baeos

Non-Shatterable Glass Goggles

The non-shatterable glass goggles, described below, all have special shatter-proof lenses. They are made by permanently welding together two perfectly ground pieces of optical glass with a layer of non-shatterable Pyroxylyn cemented in between. These lenses are absolutely SAFE. They also prevent eye strain because only optical glass is used.

Model NAK has a polished aluminum frame, with hinged metal bridge, heavy chenille binding and ventilators.

		CODE
11043-X	*$5.00	baeyb
11044-X—Extra lenses, pair	* 4.00	bafae

Model DG, not illustrated, is similar to Model NAK, pictured above, except that it is also fitted with a no-glare visor.

		CODE
11040-X	*$5.50	baeux
11041-X—Extra lenses, pair	* 4.40	baevy

Model NMR, not illustrated, has a soft, clost-fitting sponge rubber face mask with ventilators and a metal hinged bridge.

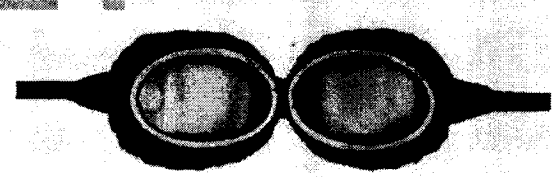
		CODE
11054-X	$7.00	bagin

Model RAV, not illustrated, is exactly the same as Model NAK, except that it is made with a soft, comfortable sponge rubber binding instead of the chenille.

		CODE
11055-X	*$5.50	bagjo

Model WYD has the drop eye design that provides wide vision in all directions. Chenille bound with leather hinge.

		CODE
11045-X	*$3.50	bafei
11046-X—Extra lenses, pair	* 2.50	bafim



Model OIO is an oval shaped goggle at a very moderate price. Non-shatterable glass lenses, chenille bound, with leather hinge.

		CODE
11047-X	*$2.60	bafko
11048-X—Extra lenses, pair	* 1.75	bafot

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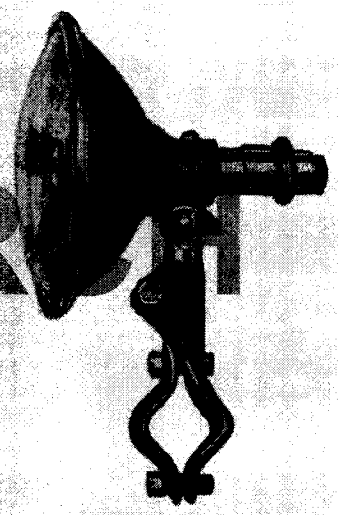
Kay Bee Spotlights

KAY BEE SPOTLIGHTS have given satisfactory service to motorcycle riders for years and need no detailed description. They are light, yet strongly made, and give much better light than the ordinary spotlight twice their size.

"Little Beauty"

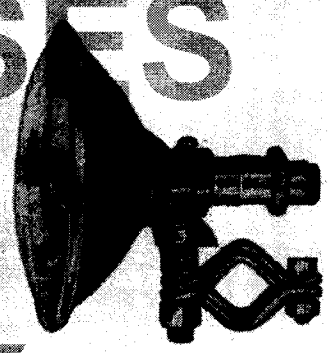
The new LITTLE BEAUTY is a bullet shaped lamp that matches well with the bullet headlights on later models. It is well made, has an on and off switch in the lamp body, and is fitted with a very sturdy bracket.

The LITTLE KING and COMPETITOR models are the same as heretofore supplied. Fitted with a switch in the handle. Small and light, yet very efficient. The only difference between these two popular models is in the brackets, as shown in the illustrations at right.



"Little King"

The new Harley-Davidson SPOTLIGHT SWITCH, shown above in the "Little Beauty" cut, is an on and off switch very much like the regular handlebar light switch used on 1929 and later models. Mounts just opposite the handlebar light switch or at any other point on the handlebar. Supplied with wire.



"Competitor"

		CODE
11366-30—Little Beauty spotlight	*$6.00	benof
11366-X—Little King spotlight	* 4.50	benja
11367-X—Competitor spotlight	* 4.50	benne
11370-29—Harley-Davidson spotlight switch and wire	* 1.00	bensi

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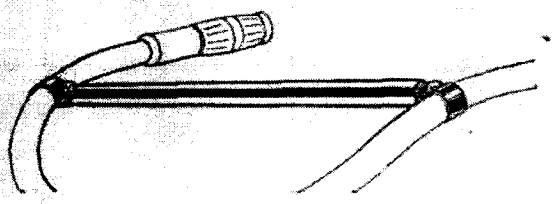
New Crossbar



One of these new handlebar crossbars provides the ideal mounting for that spotlight, and other items. It is made from steel tubing, with four rounded grooves formed in the steel. Each groove is lacquered in a bright color and the rest of the crossbar is a highly polished chromium plate. This combination makes a beautiful job that is light but very strong.

		CODE
11359-XB	*$3.50	bendu

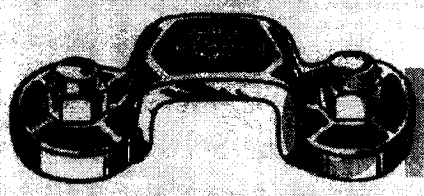
Jiffy Stand

This is the handiest accessory made for the solo rider. Just kick the stand down when you stop, and it holds the machine upright almost anywhere. When you start, another kick folds the stand back, where it is locked in place. The Harley-Davidson Jiffy Stand is made of selected materials that insure long life and is designed to be absolutely safe under all conditions.

The Jiffy Stand supplied for 1930 and 1931 models has a spring device for convenient that is a very desirable safety feature. If the rider forgets to kick up the stand when starting, this new Jiffy Stand is designed so that it will immediately fold back into place when striking the ground or any obstruction. Thus the Jiffy Stand will not upset the rider even though he forgets to kick it back into place when starting off.

		CODE
11331-X—Fits 1920 and earlier big twins with 27" or 28" tires	*$3.00	bekdr
11331-27—Fits 1920 and earlier big twins with 26" tires	* 3.00	bekgu
11331-26—Fits 1926 to 1928 singles	* 3.00	bekes
11331-29—Fits 1926 to 1928 45° twins	* 3.00	bekan
11331-29A—Fits 1929 singles	* 3.00	bekbo
11331-30—Fits 1930 and 1931 74" twins	* 3.00	bejwi
11331-30A—Fits 1930 and 1931 C singles and 45° twins	* 3.00	bejyk

Fork Stabilizers



The fork stabilizer is made to slip over the spring fork ends and eliminate all vibration of the fork ends. Easily attached, and adds to the appearance of your machine.

		CODE
11525-22—For 1922 to 1929 big twins only	*$1.50	bieiw
11525-26—For 1926 to 1929 singles and 45° twins	* 1.50	biemy
11525-30—For all 1930 and 1931 models	* 1.50	biete

Gear Shift Balls

Glass Onyx

These beautiful new gear shift balls will fit all 1931 style gear levers. For older models it is a simple matter to fit one of the new levers to which any style ball can be fitted.

THE GENUINE ONYX balls are made from hard, highly polished stone. Each one is different and all are beautiful. Assorted round and oval.

THE GLASS GEAR SHIFT BALLS are supplied in a variety of colors, and in two shapes. They make a wonderful appearance.

		CODE
11783-X—Genuine Onyx ball	*$1.25	bobao
11784-X—Glass shift ball	* .40	bobet
2204-25A—Shift lever less ball, for 1925 to 1930 big twins	* 1.50	eaufv
2204-26A—Shift lever less ball, for singles and 45° twins	* 1.50	eaugw

Eagle Ornament

Every rider who takes a lot of pride in the appearance of his motorcycle will fit one of these eagle ornaments to his front guard. As the illustration shows, this is a replica of an eagle in full flight. It conveys the impression of swift and powerful, yet graceful flight, so it is a very good symbol of Harley-Davidson performance.

This is a very strong and durable item that will look well indefinitely. It is cast from a metal that will not corrode, and is very easy to fasten to the front guard. It has a wing spread of fully six inches.

		CODE
11782-X	*$1.25	boazm

Pennants

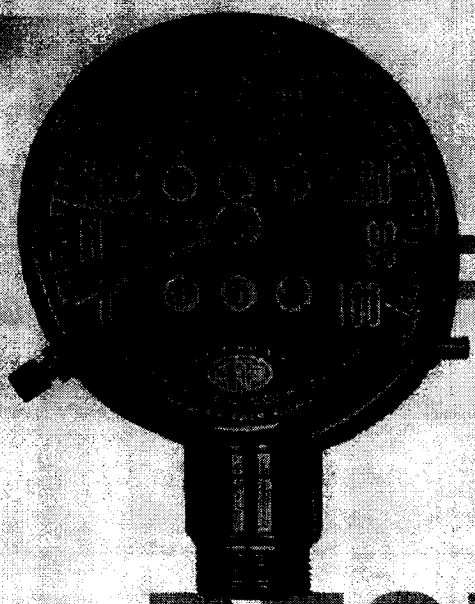
Orange background with black lettering. Long straps for tying on.

The larger pennants are 24 inches long and 9 inches wide; the smaller ones are 13 by 5½.

		CODE
11771-X—Large pennants	$0.25	boadr
11772-X—Small pennants	.15	boaes

FOR RESEARCH PURPOSES ONLY

Equip Your Motorcycle with a Corbin Speedometer



The Corbin Speedometer operates on the centrifugal principle. It is dependable and accurate. In addition to the regular speedometer features it can be obtained with a maximum hand that automatically registers the highest speed attained and remains there until released to zero by pushing the plunger located on the side of the head. Of course there is a speed hand that registers your varying speeds as you ride along. Also has season and trip odometers with trip release plunger.

100 Mile Maximum Hand

		CODE
11109-25 —For 1925 to 1929 big twins with 27" wheels	20.00	[illegible]
11109-26 —For 1926 to 1929 singles and 45" twins and 1930 B single	20.00	bakud
11109-27 —For 1925 to 1929 big twins with 25" wheels	20.00	balny
11109-30 —For 1930 and 1931—74" twins	20.00	bamsd
11109-30A—For 1930 and 1931 C singles and 45" twins	20.00	banam

80 Mile Plain Dial

11106-25 —For 1925 to 1929 big twins with 27" wheels	17.00	bakyh
11106-26 —For 1926 to 1929 singles and 45" twins and 1930 B single	17.00	bakz
11106-27 —For 1925 to 1929 big twins with 25" wheels	17.00	bakve
11106-30 —For 1930 and 1931—74" twins	17.00	bamoa
11106-30A—For 1930 and 1931 C singles and 45" twins	17.00	bamyj

Police Special

11113-25 —For 1925 to 1929 big twins with 27" wheels	36.00	bamfr
11113-27 —For 1925 to 1929 big twins with 25" wheels	36.00	bammy
11113-30—For 1930 and 1931—74" twins	36.00	bamxi
11113-30A—For 1930 and 1931 45" twins	36.00	banhu

130 Kilo Plain Dial

11111-25 —For 1925 to 1929 big twins with 27" wheels	17.00	bam[illegible]
11111-26 —For 1926 to 1929 singles and 45" twins and 1930 B singles	17.00	bamdo
11111-27 —For 1925 to 1929 big twins with 25" wheels	17.00	balyi
11111-30 —For 1930 and 1931—74" twins	17.00	bamte
11111-30A—For 1930 and 1931 C singles and 45" twins	17.00	banco

160 Kilo Maximum Hand

11112-25 —For 1925 to 1929 big twins with 27" wheels	20.00	bamep
11112-26 —For 1926 to 1929 singles and 45" twins and 1930 B singles	20.00	bakra
11112-27 —For 1925 to 1929 big twins with 25" wheels	20.00	bamiu
11112-30 —For 1930 and 1931—74" twins	20.00	bamuf
11112-30A—For 1930 and 1931 C singles and 45" twins	20.00	baner

Speedometer Lamp

A speedometer lamp will make your speedometer as effective at night as in the day time. A turn of the simple switch floods the face of the speedometer with light.

This Harley-Davidson speedometer lamp, with its special bracket, is designed particularly for your machine and is supplied with the necessary wiring and terminal to attach. Chrome plated.

		CODE
11430-28—Lamp and wiring cpt.	*$1.50	beuhe
11433-X—Bracket cpt. *	.20	beuol
11436-X—Reflector or shield *	.20	beuxu
11386-X—Switch lever *	.10	bepex

FOR RESEARCH PURPOSES ONLY

Cordovan Saddle Bags

The very latest and most popular style in saddle bags — greatly improved in appearance and wearing qualities — at no increase in price. A wonderful value!

These new Harley-Davidson Saddle Bags are just what you've always wanted for your motorcycle. They are made of thick, heavy brown Cordovan Horsehide, in the natural grain finish. The leather in these handsome new bags is always soft and pliable, yet tough and durable as only horsehide can be.

The large carrying capacity of these saddle bags makes them very convenient for carrying extra clothing, tools, parcels, lunches, etc. Practically a necessity on a solo machine, and an addition to the good appearance of a sidecar outfit.

These bags are quickly and easily attached, either to the mudguard as shown, or to the luggage carrier.

		CODE
11785-X—Saddle bags, per pair.	$7.50	boama
11786-X—One bag only.....	4.00	boaoc

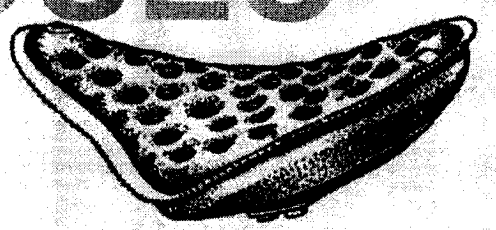
Sheepskin Saddle Cover

You will enjoy greatly increased riding comfort when you put on one of these soft, wooly sheepskin saddle covers.

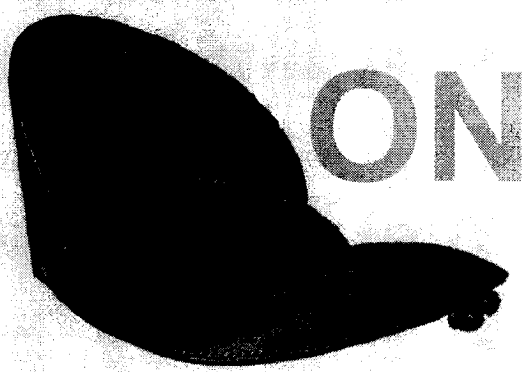
No. 11352-X is made of ONE PIECE of sheepskin with no seams or edges. The long, fur-like wool is specially processed so that it will not mat down. This high quality saddle cover comes in two finishes — natural color (yellow) and beaverized (gray). Be sure to specify which shade you want.

No. 11852-XP is a pieced sheepskin cover. Available in either the natural color or beaverized finish.

		CODE
11352-X—For all models.....	$3.50	bemeu
11852-XP—For all models.....	2.50	benev



Mesinger Backrest



The Mesinger Backrest illustrated is made especially for the Bucket Type Saddle. Easy to attach and adds to your riding comfort.

		CODE
11232-X.....	$4.00	bebae

Oso-Soft Saddle Cushion

This air cushion will add greatly to your comfort on every ride. It is made of rubber and can be inflated with an ordinary tire pump to suit the individual rider's weight. The tufted design provides for the necessary air circulation and keeps you from getting saddle-sore on long trips.

The air cushion has the advantage of being waterproof in wet weather. It can be put on or taken off in just a few seconds, and conforms perfectly to the shape of the saddle. Can be repaired like an inner tube in the unlikely event that it gets punctured.

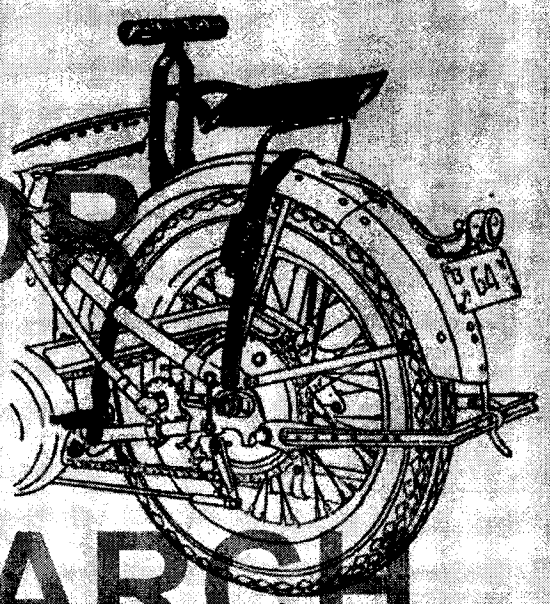
		CODE
11787-X.....	*$4.50	bobfu

RESEARCH PURPOSES ONLY

Harley-Davidson Tandem

This simple new tandem seat was specially designed and built by Harley-Davidson engineers to give easier riding comfort for the passenger and better handling qualities to the motorcycle. With the passenger's weight centering over the rear axle, the superb handling of your machine will astonish you.

The comfortable bucket type seat can be raised or lowered and is mounted on two adjustable tension coil springs. Double handles with rubber grips are provided and the whole outfit is securely bolted to the mudguard and frame.



	CODE
11235-30—To fit 1930 and 1931 74" twins.....	**$15.00** belth
11235-30A—To fit 1926 to 1931 singles and [illegible] twins.....	**[illegible]** [illegible]
11235-30B—To fit 1925 to 1929 big twins.....	**15.00** belym

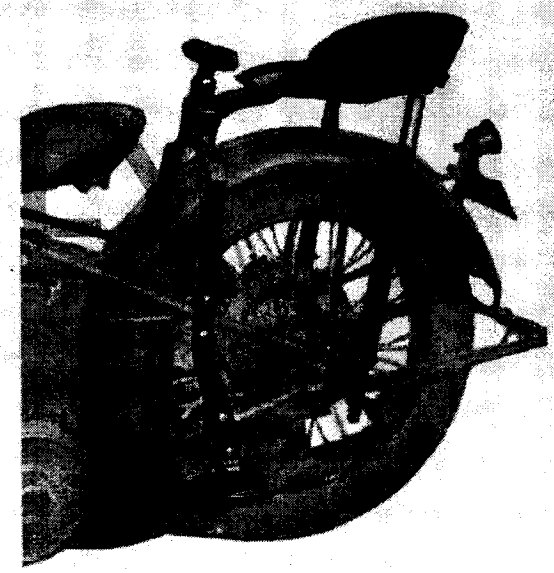
Standard Mesinger Tandem

Bucket seat on springs adjustable to the rider's weight. Good size handle and comfortable foot rests.

	CODE
11237-25—For 1925 to 1929 big twins.....	**$15.00** bebuy
11237-26—For 1926 to 1929 singles and 45" twins.....	**15.00** bebwa
11237-30—For 1930 and 1931 74" twins.....	**15.00** becaf
11237-30A—For 1930 and 1931 singles and 45" twins.....	**15.00** becdi

Mesinger Social Seat

Bucket seat on long enclosed cushion springs. Adjustable to rider's weight. Large, comfortable handles and footrests.



	CODE
11238-28—For 1925 to 1929 all models.....	**$18.00** bebyc
11238-30—For 1930 and 1931 74" twins.....	**18.00** beefm
11238-30A—For 1930 and 1931 singles and 45" twins.....	**18.00** beegn

FOR RESEARCH PURPOSES ONLY

Harley-Davidson
Spring and Su

Leather Breeches

These soft, pliable riding breeches are made of genuine black horsehide leather which never peels or gets hard after exposure to wet weather.

They are cut snug at the hips and knees, with just the right ease above the knees to give them that much desired snappy appearance.

Lined throughout with khaki cloth, these leather breeches are absolutely wind and weather proof. Five roomy pockets and reinforced seat. Sizes 28 to 42. Look for the Harley-Davidson trade mark on the hanger strap.

CODE
11068-X—Leather breeches....$14.50 bahio

The New Silver Wing S

It's brand new! This handsome n over sweater with the new Harley-D wing emblem is making a tremendou ers everywhere. Because it is so looking, so reasonably priced, ever rider will want one of these orange-t slip-overs. The new silver wing emb nearly 8 inches from tip to tip and s up great. Why not be the first rider to wear this snappy new number?

Medium weight makes this new ideal all-around garment. It is knit quality yarns and is first class in Sizes 34 to 48.

11034-X—New slip-over sweater.....

Slip-On Gloves

These gloves are designed for summer riding and are unlined. They are made of fine, soft black glove leather and have full welted seams which make the glove last twice as long as gloves made with ordinary sewed seams. The wear comes on the leather welts instead of on the thread. There are no seams in the palms of the hands to cause chafing or discomfort. Made in half sizes, 6½ to 11. Look for the Harley-Davidson trade mark in each glove.

CODE
11080-X—Summer gloves, per pr. *$2.25 balip

Gauntlet Gloves

Like the Slip-on gloves shown above, these gauntlets are unlined. They have thesamelong-wearing glove leather hands with welted seams. In addition, they have pebble finish full grain black cowhide cuffs. They are stiff enough to always hold their shape, yet they can be folded up so compactly that both gloves will easily go into one pocket. Sizes 6½ to 11.

CODE
11081-X—Gauntlet gloves, per pr. $3.75 baiks

Jersey Sport Coat

This smart looking sport coat is preferred by thousands of motorcyclists because it is heavy enough to be warm, yet light enough to be comfortable even in warm weather.

Like the new sweater illustrated above, this jersey coat is snug-fitting and can be worn under a coat or jacket for extra warmth in cool weather. It is black, trimmed with orange, and has the orange and black Harley-Davidson monogram.

Its flexible ribbed weave is fashioned for utmost comfort and wears exceptionally well.

CODE
11033-X—Sizes 34 to 50.....*$5.25 baefi
11766-X—Monogram only.....* .40 blysa

FOR RESEARCH PURPOSES ONLY

Accessories for Summer Riding

Sweater

black slip-
dson silver
t with rid-
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notorcycle
med black
measures
does show
your town

weater an
l from fine
y respect.

CODE
$3.50 baeil

Leather Puttees

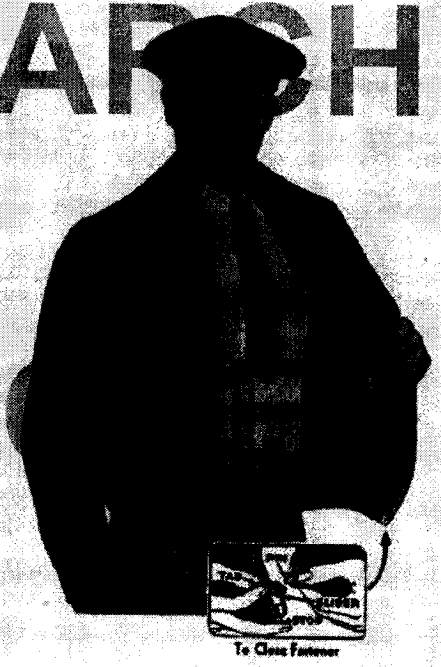
Every motorcycle rider should have a pair of these leather putts. The two styles shown are made of selected, full grain black cowhide. The loop front style, shown at the left, comes in half sizes from 13½ to 17. The ever popular spring front style, shown at the right, comes in full sizes only, 14 to 17. Both of these models are perfectly formed and built to hold their shape. For those who prefer a cheaper puttee, the spring front style is also made in a good grade of split leather.

		CODE
11090-X—Loop front, pair	$6.00	bajdl
11091-X—Spring front, cowhide	6.00	bajem
11089-X—Spring front, split leather	4.00	bajai

Leather Helmets

For summer riding, nothing equals a helmet. Harley-Davidson leather helmets are soft and pliable, snug fitting and very smart appearing. They are made in quarter sizes, 6¾ to 7½, to assure perfect fit. Adjustable chin strap and handy goggle straps. Available in the following styles:

		CODE
11064-X—Black glove leather, chamois lined	$3.90	bagso
11065-XB—Black glove leather, unlined	*2.90	bahag
11065-XW—White glove leather, unlined	*2.90	bahci
11061-X—Regular leather, chamois lined	3.25	bagus



Cloth Helmets

Harley-Davidson cloth helmets are cool, comfortable and easily cleaned. Made of soft, closely woven drill, they fit smoothly and snugly, without gathering at the seams. The nifty 3½" wing emblem, shown in the illustration, is woven on a white background. Sizes, small, medium and large.

		CODE
11060-TW—White, with wing emblem	*$1.00	byvew
11060-TT—Tan, with wing emblem	* 1.00	byvgy
11066-XW—White, without emblem	* .80	byune
11066-XT—Tan, without emblem	* .80	byuof
11773-X—Wing emblem only	* .30	blupu

Leather Zipper Jacket

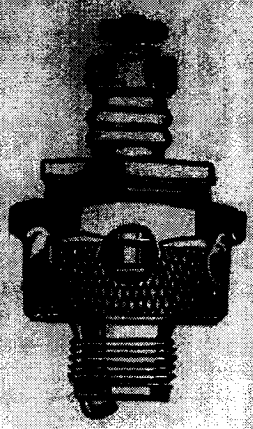
This nifty leather sport jacket now has a dandy new feature—the zipper front. It is quick and simple to operate and opens completely, as shown.

For Spring and Summer this leather jacket is ideal. It is absolutely windproof and wears like iron. Made of finest quality black horsehide, with leather collar and cuffs, knit wristlets and knit waistband. Soft plaid lining with inside pocket. Two outside flap pockets fitted with snap buttons.

		CODE
11067-X—All sizes, 36 to 48	$14.75	bahek

FOR SEARCH PURPOSES ONLY

Harley-Davidson Spark Plugs



Genuine Harley-Davidson Spark Plugs were designed by our own engineers because no other manufacturer of spark plugs could build one that would continue to function satisfactorily in our present high efficiency motors.

Since they were first introduced, these Harley-Davidson built plugs have given satisfactory service in all parts of the world, under the most trying conditions. They are made right in our own factory, under the strictest supervision and inspection, and are fully guaranteed by Harley-Davidson.

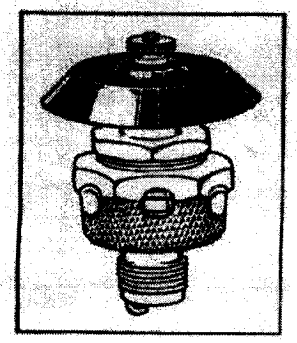
The standard Harley-Davidson Spark Plug, illustrated above, has a specially designed air-cooled base which dissipates the heat from around the core. Another exclusive feature is the special construction which compensates for expansion and contraction of the parts due to heat or cold. This eliminates the leaks that cause most ordinary spark plugs to fail. Long-lived and durably constructed, the Harley-Davidson standard plug will give you very good service under usual conditions.

The New "Hot Stuff" Plug

For riders who travel extemely fast and keep it up mile after mile, we strongly recommend the new Harley-Davidson "Hot Stuff" spark plug. Overheating or pre-ignition are unkown when this new plug is used because it is specially designed to withstand extremely high temperatures. Due to its heavier base and new porcelain it will operate the hottest motor for long periods of continuous hard riding.

		CODE
36-11—⅞" Standard plug, for models prior to 1926	*$1.00	adcaf
37-09—Metric standard plug, for 1926 and later models	* 1.00	adcah
37-30—"Hot Stuff" plug, metric	* 1.25	byjek

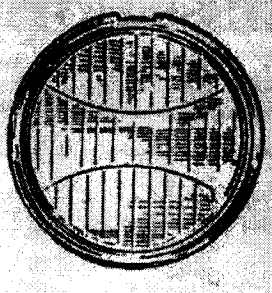
Spark Plug Shield



Pictured at left is the Harley-Davidson Spark Plug Shield which fits on the top of the plug. It prevents the water from running down over the plug and shorting it in wet weather.

		CODE
43-09	*$0.10	byjio

1929 to 1931 Lenses



Standard equipment in the two bullet type headlights of the 1929 and 1930 models, and in the 1931 lamp. These lenses spread a powerful, diffused beam of light to both sides of the road and far ahead. Legal in all states.

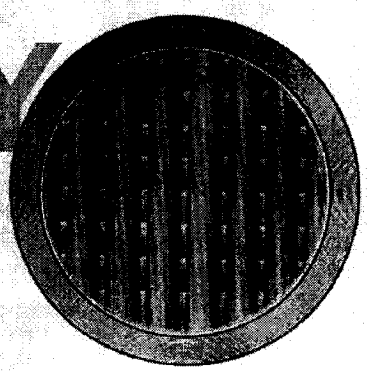
		CODE
4906-29—4⅛ inch diffusing lens	*$0.50	avmub
4906-29A—4⅛ inch plain lens	* .50	ayjho
4906-31—1931 diffusing lens	* .75	eakua
4906-31A—1931 plain lens	* .75	eakye

Monogram Lens

The Monogram is a diffusing lens that distributes the light over the full width of the road and still does not blind the approaching motorist. It transmits the full candlepower of the light and does not absorb it. This is the same lens used as standard equipment on 1928 and earlier model Harley-Davidsons. It is legal in all states.

		CODE
11425-21—6⅛ inch	*$1.00	beuby

Standard Lens

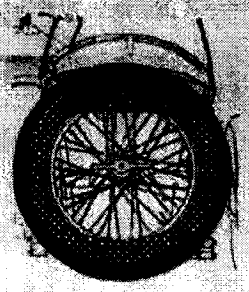


A reasonably priced lens that diffuses the light and takes away the glare. Legal in most states.

		CODE
11426-21—6⅛ inch	*$0.30	beuda

FOR REPAIR PURPOSES ONLY

Spare Tire Cover

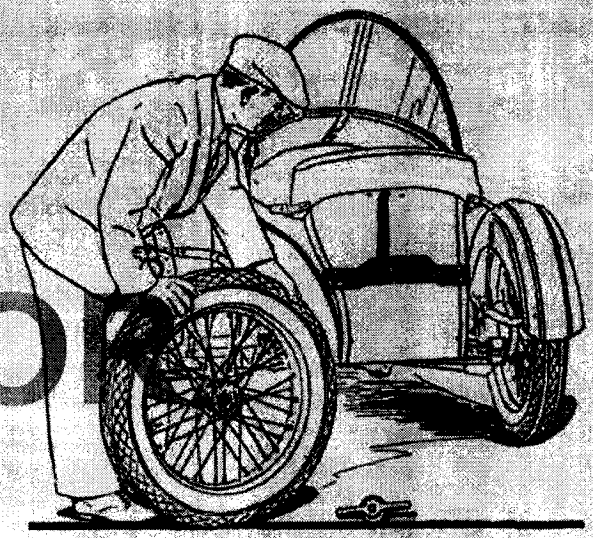


Here is the new Harley-Davidson spare tire cover. It is just what you need to protect your spare tire from sun, rain and dust.

This new cover is made of a good grade of black enameled fabric with the Harley-Davidson trademark in orange and black at the top. The streak of lightning is in yellow on the black background and shows up vividly.

Bright and snappy, this new tire cover will pep up the appearance of your sidecar outfit wonderfully. It is made with an elastic edge and fits snugly on either the 19x4 inch tires or the 19x4.50 inch size.

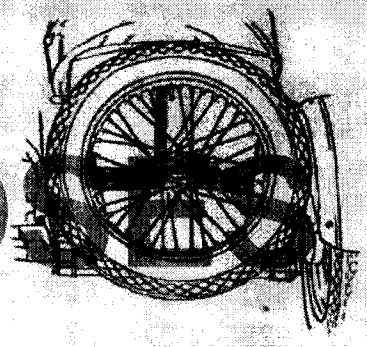
		CODE
11025-X—Spare tire cover	*$2.00	badmo



Spare Wheel Carriers

For 1930 and 1931 Big Twins

The Harley-Davidson quick detachable and interchangeable wheels that feature these models enable the owner to make lightning-quick tire changes on the road. With one of these sturdy carriers on the sidecar you can carry an extra wheel complete with inflated tire.



Tire and Luggage Carrier

For 1927 to 1929 Models

This convenient tire carrier and luggage rack provides a convenient place to carry a spare tire and tube, as well as any luggage you want to take along. The luggage rack folds up when not in use. This item improves the appearance of the outfit and is very convenient. Strong enough for the roughest use.

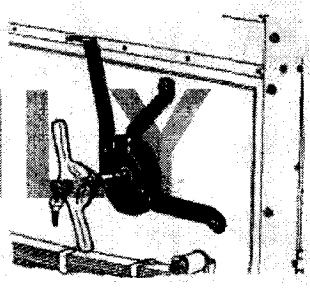
For Single Passenger Sidecars

		CODE
11004-27—For 27x3.85 in. tire, LT models	*$8.50	baapo
11004-25—For 27 and 3½ in. tire, 1925 and 1926 LT models	* 8.50	baaut
11006-27—For 25x3.85 in. tire	* 8.50	bacab
11004-29—For LS sidecar	* 8.50	baasr

For Two Passenger Sidecars

11005-25—For 27x3½ and 27x3.85 in. tire	* 8.50	baavu
11105-28—For 25x3.85 in. tire	* 8.50	bacde

The illustrations show the simple yet strongly built carriers for sidecars and package trucks. Each carrier is equipped with a positive, substantial lock and two keys. The hub of the spare wheel fits snugly over the spindle of the carrier and the lock holds the wheel firmly in place.

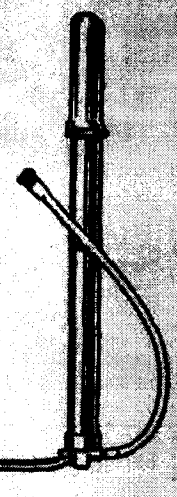


		CODE
11004-30A—For LT (single pass.) sidecar	*$ 6.00	backl
11105-30—For QT (two pass.) sidecar	* 4.00	bacij
11004-30MA—For Package Trucks	* 6.00	bacst
3902-30—Spare wheel less tire	* 15.00	ayaay

RESEARCH USE ONLY

Tire Pump

This tire pump is heavily nickel plated. Made of seamless brass tubing with foot attachment. Furnished with spring clips.



	CODE
11553-25—Pump with clips for 1925 to 1931 big twins *$1.60	bihao
11553-08—Pump with clips for older models and singles, 45" twins . . . * 1.60	bigyl
11555-X—Pump hose . . . . * .20	bihfu
11557-25—Pump clips — large . . . . . * .15	bihjy
11556-08—Pump clips — small . . . . . * .15	bihix

Clean Your Motorcycle Without Water!

Don't ride a dirty, dusty, muddy machine! You don't need to, now that science has perfected KOZAK, the chemically treated dry wash cloth for cleaning and polishing all enameled surfaces.

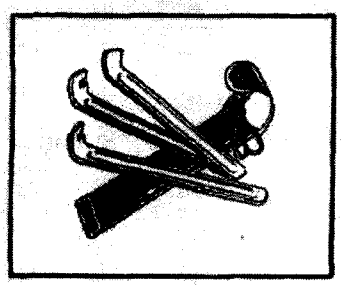
Simply whisk this greaseless fibre polishing cloth over your machine — watch the dust and mud disappear. KOZAK is made of a specially woven and treated fabric that absorbs dirt. It is good for scores of cleanings. Instructions enclosed with each package of KOZAK tell you exactly how to get best results.

	CODE
11775-X—Kozak $1.00	boaky

Weed Tire Chains

This genuine Weed Motorcycle Tire Chain is just what you need for bad weather riding. With a Weed Chain on your rear wheel you have sure-footed protection against skidding or getting stuck in muddy ruts and snow drifts. Comes in handy bag, ready to attach.

Tire Chains		CODE
11545-14—28"x3"	*$3.30	bigbo
11545-27—27"x3.85"	* 3.30	biggu
11545-27A—25"x3.85"	* 3.00	bigiw
11545-27B—26"x3.30"	* 3.00	biges
11545-30—All 1930 and 1931 models	* 2.90	bifyk
Cross Chains		
11546-27—3.85"	*$0.12	bigky
11546-27B—3.30"	* .12	bigma
11546-30—4" or 4.50"	* .10	bigan
Chain Hooks		
11548-X—Pair	*$0.70	bigoc



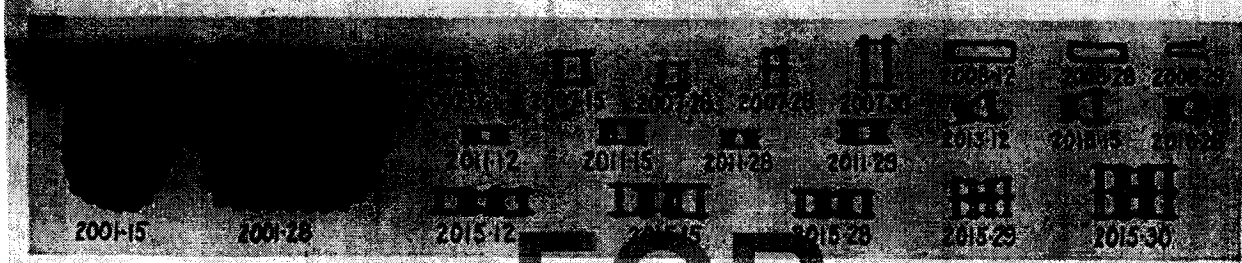
Motorcycle Tire Tools

These tire tools come in mighty handy when you have to change a tire. Set consists of three, 7-inch, strong and thoroughly hardened tools. Specially shaped for motorcycle tires. Nickel finished and packed in black enameled canvas kit.

	CODE
11551-X—Set of three tools *$0.90	bigvi

FOR RESEARCH PURPOSES ONLY

Drive Chain



As it is usually better to buy chain cut to length and thus save the time and waste incidental to cutting up bulk chain, we are listing the cut length sizes as well as bulk chain. The new front double chain as used on 1929 to 1931 singles and 45" twins, and 1930 and 1931 big twins, is sold only in motorcycle lengths as it should only be used as a continuous chain, without a removable connecting link.

Cut Length Chain—Duckworth Only

Each length includes a connecting link.

				CODE
2001-15	Front chain ¼"	*2.50	1915 to 1929—61" and 74" twins	ahsih
2001-26	Front chain ¼"	*2.50	1926 and 1927 singles	ahson
2001-28	Front chain	*2.50	1928 singles	asfif
2001-29	Front chain	*3.00	1929 to 1931 singles, 45" twins	aurpa
2001-30	Front chain, for 2[illegible] tooth sprocket	*5.00	1930 and 1931 [illegible] 74" twins	axcfe
2001-30A	Front chain, for 1[illegible] tooth sprocket	*5.00	1930 and 1931 sidecar [illegible] twins	axcih
2002-15	Rear chain ¾"	*4.50	1915 to 1931—61" and 74" twins	ahspo
2002-26	Rear chain ¼"	*4.00	1926 and 1927 singles	ahsut
2002-28	Rear chain	*4.00	1928 singles	asfili
2002-29	Rear chain	*4.00	1929 to 1931 singles, 45" twins	aurue

Duckworth Repair Links

2007-12	Connecting link ¼"	* .14	1926 and 1927 singles	ahukl
2007-15	Connecting link ⅜"	* .15	1915 to 1931 twins, 1929 to 1931 singles	ahumn
2007-28	Connecting link	* .14	1928 singles	asfol
2007-29	Connecting link, for double chain	* .25	1929 to 1931 singles, 45" twins	aurvf
2007-30	Connecting link, for double chain	* .25	1930 and 1931—74" twins	axcpo
2008-12	Connecting link spring	* .05	1912 to 1931 [illegible] singles	ahuno
2008-28	Connecting link spring	* .05	1928 singles, 1930 and 1931—74" twins	asfso
2008-29	Connecting link spring (front chain)	* .05	1929 to 1931 singles, 45" twins	auryi
2011-12	Roller block ¼"	* .14	1926 and 1927 singles	ahuop
2011-15	Roller block ⅜"	* .15	1915 to 1931 twins, 1929 and 1931 singles	ahupr
2011-28	Roller block	* .14	1928 singles, 1930 and 1931—74" twins	asfur
2011-29	Roller block (front chain)	* .14	1929 to 1931 singles, 45" twins	ausal
2013-12	Offset link ¼"	* .30	1926 and 1927 singles	ahssy
2013-15	Offset link ⅜"	* .30	1915 to 1931 twins, 1929 to 1931 singles	ahuab
2013-28	Offset link	* .30	1928 singles	asgay
2015-12	Double repair link ¼"	* .40	1926 and 1927 singles	ahugh
2015-15	Double repair link ⅜"	* .40	1915 to 1931 twins, 1929 to 1931 singles	ahuhi
2015-28	Double repair link	* .40	1928 singles	asgca
2015-29	Double repair link (front chain)	* .60	1929 to 1931 singles, 45" twins	ausbm
2015-30	Double repair link (front chain)	* .60	1930 and 1931—74" twins	axcyx

Bulk Chain

(In 25 foot rolls)

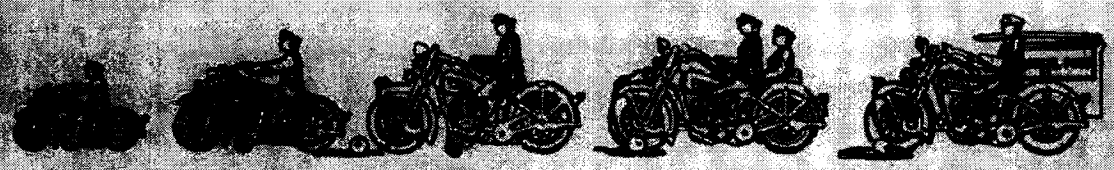
11345-12	Duckworth No. 70 ¼" wide—⅝" pitch—per ft.	* .90	beljy
11345-15	Duckworth No. 170 ¾" wide—⅝" pitch—per ft.	* .90	bella
11345-28	Duckworth .305" wide—½" pitch—per ft.	* .90	belix
11346-12	Diamond No. 149—¼" wide—⅝" pitch—per ft.	* .90	belod
11346-15	Diamond No. 449—¾" wide—⅝" pitch—per ft.	* .90	belpe

Diamond Repair Links

(⅜ inch wide)

2006-15	Connecting link	* .15	byjov
2008-12	Connecting link spring	* .05	ahuno
2010-15	Roller block	* .15	byjua
2012-15	Offset repair link	* .30	byjsy
2014-15	Double repair link	* .40	byjye

Toy Motorcycles



11755-X 11754-X 11753-X 11752-X 11750-X

Just the thing for the youngsters. Faithful reproductions of Harley-Davidson motorcycle and side attachments. Very strongly built of cast iron.

The small solo toy is about two and one-half inches long and the large one is nine inches. The four larger toys are fitted with real rubber tires. Painted in attractive colors.

		CODE
11756-X—New hill climber toy (not shown)	*$1.25	bloon
11755-X—Small solo toy	* .35	blosr
11754-X—Medium solo toy	* .80	blopo
11753-X—Large solo toy	1.25	blozy
11752-X—Large sidecar outfit, two men	2.00	bloyx
11751-X—Large sidecar outfit, one man	1.75	blovu
11750-X—Large package truck outfit	1.90	blots

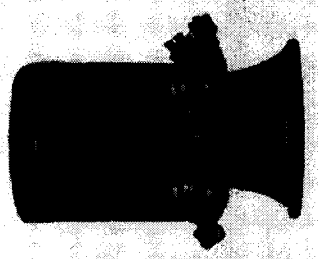
Hand Clutch Control

With this simple hand control you can operate the clutch from the right handlebar. Solo riders appreciate hand control which leaves both feet free for use in traffic or heavy going.

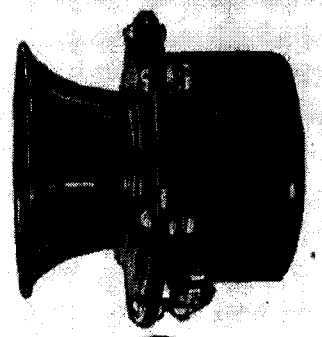
		CODE
2555-30A—For 1930 & 1931 45" twins	*$4.00	ayoiv
2555-30B—For 1930 & 1931 C singles	* 4.00	ayojw

Harley-Davidson Horns

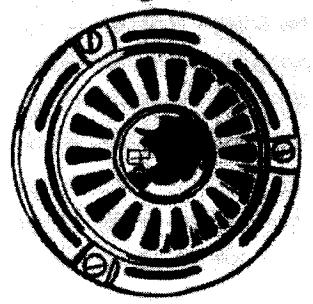
At the left, below, are shown the Klaxon Horns for the 1929 and 1930 Harley-Davidsons. These popular horns have a pleasant yet penetrating tone that clears the way.



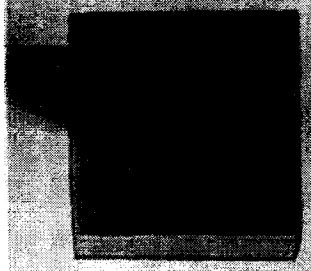
At the right, above, is shown the Electric Sparton for the Big Twins. Has the exclusive Sparton offset motor feature. Center, at right, is the dandy electric horn that proved so dependable on the Single. At right, below, is the new 1931 style horn. This is the very latest development in electric horns.



		CODE
4801-29—Klaxon Horn with brackets, for 1929 and 1930 big twins	*$4.00	avkin
4801-29A — Klaxon Horn, less bracket for 1929 and 1930 singles and 45" twins	* 4.00	avkou
4801-20A — Sparton 1920 to 1928 twins	* 6.00	anyep
4801-26 — Vibrator, Horn, 1926 to 1928 singles	* 1.75	anyiu
4801-31—Remy No. 16 Horn for 1931 models	* 4.00	eajin



RESEARCH FOR PURPOSE ONLY



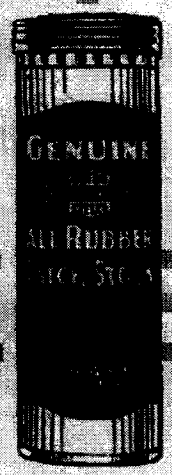
Friction Tape

This is a high grade, reliable friction tape, ¾ inch wide, with exceptional adhesive qualities. Wrapped in tin foil and packed in individual cartons to prevent deterioration. Furnished in one, two, four and eight ounce rolls.

		CODE
11572-X—1 ounce roll	*$0.05	bikas
11573-X—2 ounces roll	* .10	bikcu
11574-X—4 ounce roll	* .18	bikew
11575-X—8 ounce roll	* .35	bikgy

All Rubber Patch Stock

This all rubber patch is supplied in one strip. Supplying the patch in one piece is a great advantage over the usual round or oval patches for it enables the motorcyclist to cut off a piece of the patch to fit the exact size of the puncture or blowout that is to be repaired. Patch stock, together with a tube of cement and a metal buffer, come packed in a round container with a metal screw top.



		CODE
11571-X	*$0.25	bijyo

Va-Car Casing Patch

This self-vulcanizing patch forms a permanent, self-sealing repair for punctures, breaks or blowouts. When placed inside the casing directly under the break and applied according to instructions, this patch fills and seals the hole forever. Vulcanizes automatically while you ride. Outlasts the tire. Made in three standard sizes to fit any casing or any size tire.

		CODE
11582-X—Spot patch	*$0.15	bikyp
11583-X—Small size patch	* .20	bilat
11584-X—Medium size patch	* .30	bilex

Shaler Vulcanizer

Permanently vulcanizes a puncture in just a few minutes. No gasoline or cement to bother with. Anyone can use it anywhere. Outfit includes nickel plated vulcanizer, six round and six oval patch and heat units.

		CODE
11585-X—Set complete	$1.50	bilex
11586-X—Round patches, box of one dozen	.75	bilfy
11587-X—Oval patches, box of 1 dozen	.75	bilha

Blow-out Patch

This patch is made strong enough so that it will hold an ordinary blow-out without the help of an outside boot. It has two flaps which make it fit snugly around the bead and hold it securely in place.

		CODE
11581-X	*$0.40	bikxo

Rubber Cement

This is a medium, quick drying pure gum cement put up by the Goodrich Rubber Company. We recommend it for all around use. Comes in tubes four inches long.

		CODE
11576-X—Per tube	*$0.10	bikia

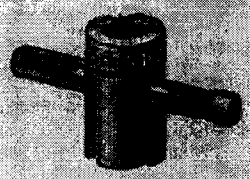
FOR REFERENCE PURPOSES ONLY

Schrader Trutest Tire Gauge

This genuine Schrader gauge is designed exclusively for use on balloon tires and is of the very latest bar type design. It is graduated in pounds. Comes in neat leather case.

CODE
11562-X..... $1.65 bijym

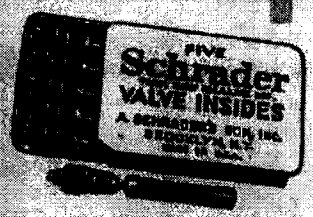
Schrader Valve Repair Tool



This tool is capable of doing the following repairs on tire valves. Repairs inside and outside thread of valve stem. Smooths down valve cap washer seat on stem. Removes or inserts valve insides. Deflates tube.

CODE
11565-X..... *$0.35 bijev

Schrader Valve Insides

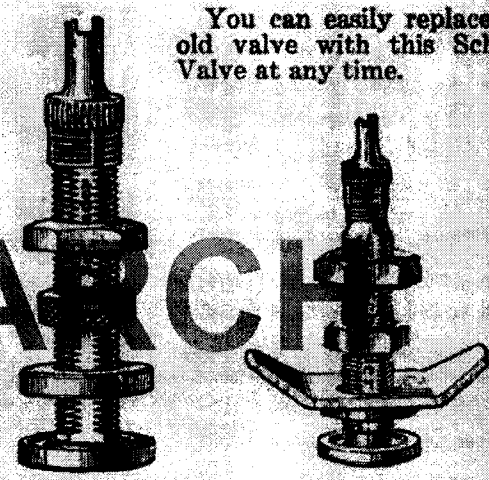


For use in all Schrader Tire Valve Stems under high or low pressure.

CODE
11564-X—Each..... $0.06 bijdu

Schrader Universal Valves

You can easily replace your old valve with this Schrader Valve at any time.



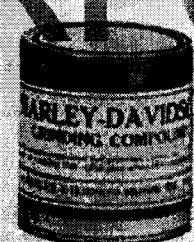
CODE
11567-08—Old style valve..... $0.25 bijja
11567-25—New type valve..... .30 bijne
11566-08—Rim nut, small..... * .03 bijhy
11566-25—Rim nut, large..... * .04 bijiz

Schrader Valve Caps

CODE
11563-X—Each..... $0.06 bijar

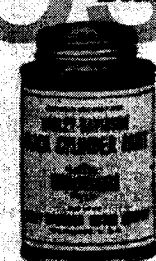
Grinding Compound

Harley-Davidson Valve Grinding Compound is in big favor with many dealers and riders. This is a ready mixed compound and is being used with very good results in our own factory. With this compound, there is no danger of grooving the valve or seat at any time. Comes in neat ⅛ pound, ½ pound and 1 pound cans. A reasonably priced valve grinding compound we highly recommend.



CODE
11720-X—⅛ pound can..... *$0.50 blapa
11721-X—½ pound can..... * 1.00 blaue
11722-X— 1 pound can..... * 1.70 blayi

Black Cylinder Dressing



Brighten up the appearance of your motorcycle by giving the cylinders, exhaust pipe and muffler a coat of this Black Cylinder Dressing. Can be used on either the Twin or Single cylinder models. Very easy to put on.

CODE
11649-XA—¼ pint can..... *$0.35 birro
11649-XB—½ pint can..... * .60 birsp
11649-XC— 1 pint can..... * 1.10 birus

Holdfast Shellac

The old reliable liquid shellac.

CODE
11692-X—
2 oz. bottle. *$0.25 bixwa
11694-X—
1 pint can.. * 1.50 biyaf

Three-in-One Oil

The sterling qualities of 3-in-one oil are well known. Put up in a handy 3 ounce can which is fitted with a special screw top spout.

CODE
11690-X—
Per can..... $0.30 bixpu

FOR RESEARCH PURPOSES ONLY

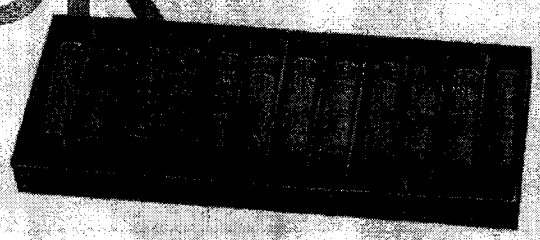
Harley-Davidson Chain Grease

"GRADE A"

This is an extra fine quality lubricant possessing a very high melting point and an extremely low congealing point. It is especially recommended for oiling drive chains because of its excellent lubricating properties and ease of application. This grease requires no heating or melting and regular application will add many miles to the life of your chains and sprockets.

This grease is especially recommended for use in any ball or roller type bearings that are subjected to high temperature and severe usage. Especially suitable for Rear, Sidecar and Front Wheel Hub Bearings, Generator Bearings, Transmission Bearings, Clutch and Pull Rod Bearings.

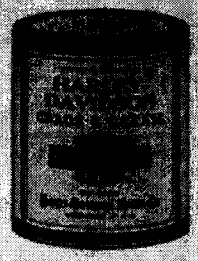
This Chain Grease is put up in convenient tubes and cans.



		CODE
11688-X—Tubes	*$0.40	bixim
11670-X—1 lb. cans	* .80	bivsu
11671-X—2 lb. cans	* 1.40	bivuw
11672-X—5 lb. cans	* 3.10	bivwy

Harley-Davidson Grade "B" Grease

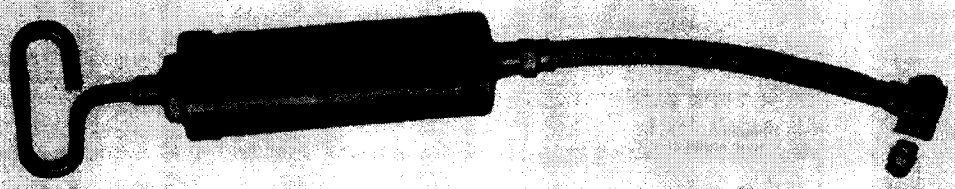
Grade "B" Grease is a high quality lub grease recommended for use where heat and cold resistance are not important factors. Also in bearings where the service is light. Should be used for lubricating upper and lower steering head bearings, fork recoil and cushion springs, sidecar ball joints and seat post springs.



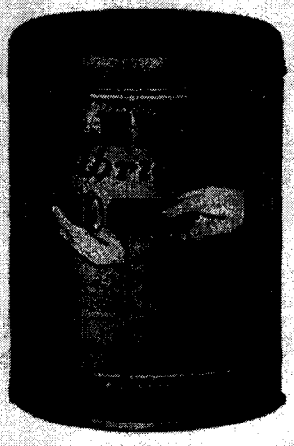
This grease should NOT be used for lubricating generator or transmission bearings.

		CODE
11673-X—1 lb. can	*$0.50	bivya
11674-X—2 lb. can	* .70	biwad
11675-X—5 lb. can	* 1.50	biweh

Alemite Lubricant and Gun



One of the biggest features of the later Harley-Davidson models has been the introduction of the famous Alemite System of lubrication. This system, first instituted into the motorcycle field by Harley-Davidson, takes but five minutes to thoroughly lubricate the entire machine and sidecar. Simply hook the cap of the gun over the fitting, turn the handle, and the lubricant is shot right where it is needed under 500 lbs. of pressure. A half back turn of the handle releases the pressure and you are ready for the next fitting.



		CODE
11661-X—Compressor complete	$2.25	bisyx
11662-X—Compressor only	1.25	bissy
11663-X—Compressor Leather Washer	* .12	bivae
11664-X—Hose and fitting	1.00	bivoe
11665-X—Washer for Alemite hose	* .10	biveg
11666-X—Hex. head screw for Alemite hose	* .10	bivgi
11667-X—Spring for Alemite hose	* .08	bivik
11658-X—1 lb. can Alemite	.40	biats
11657-X—5 lb. can Alemite	1.75	biapo

FOR RESEARCH PURPOSES ONLY

Harley-Davidson Air Drying Enamel

This enamel is used for enameling or touching up scratches on frames, tanks, mudguards, etc. It is exactly the same quality and body as that used on our motorcycles and sidecars. Although we advertise it as air drying enamel, it can also be used effectively where the baking process is preferred.

FOR RESEARCH PURPOSES ONLY

Standard Colors

OLIVE GREEN PART NO.	CODE	BREWSTER GREEN PART NO.	CODE	SIZE	PRICE	BLACK PART NO.	CODE	PRICE
11595-X	bilyr	11601-X	bimoi	¼ pt. can	*$0.35	11607-X	bleao	*$0.30
11596-X	bimau	11602-X	bimun	½ pt. can	* .65	11608-X	bleer	* .45
11597-X	bimey	11603-X	bimvo	1 pt. can	* 1.25	11609-X	bleet	* .80
11598-X	bimga	11604-X	bimys	1 qt. can	* 2.30	11610-X	blefu	* 1.50
11599-X	bimic	11605-X	binav	1 gal. can	* 8.70			

Special Colors

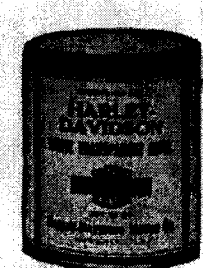
AZURE BLUE PART NO.	CODE	POLICE BLUE PART NO.	CODE	COACH GREEN PART NO.	CODE	ORANGE PART NO.	CODE	SIZE	PRICE
11611-XA	[illegible]	[illegible]	[illegible]	11613-XA	blezn	11625-XA	bindy	¼ pt.	*$0.50
11611-XB	[illegible]	[illegible]	[illegible]	11613-XB	bliat	11625-XB	[illegible]	½ pt.	* .90
11611-XC	[illegible]	[illegible]	[illegible]	11613-XC	blibu	11625-XC	binfa	1 pt.	* 1.60
11611-XD	[illegible]	[illegible]	[illegible]	11613-XD	[illegible]	11625-XD	binid	1 qt.	* 2.80

MAROON PART NO.	CODE	[illegible] PART NO.	CODE	CREAM PART NO.	CODE	VERMILION PART NO.	CODE	SIZE	PRICE
11614-XA	blify	11615-XA	blioh	11616-XA	blivn	11626-XA	binje	¼ pt.	*$0.50
11614-XB	bliha	11615-XB	blipi	11616-XB	bliwo	11626-XB	binni	½ pt.	* .90
11614-XC	bliib	11615-XC	blisk	11616-XC	bliyr	11626-XC	binoj	1 pt.	* 1.60
11614-XD	blile	11615-XD	blium	11616-XD	bloas	11626-XD	binuo	1 qt.	* 2.80

Striping Colors

This striping color is the same quality we use in striping sidecars, tanks, guards, etc., in our factory. Put in small tubes ½ x 2½ inches.

TUBES		CODE
11631-X—Maroon	*$0.95	biphe
11634-X—Florentine	* .25	binyt
11633-X—Black	* .50	bipli
11641-X—Gold, per package	* [illegible]	birec
11642-X—Aluminum, per package	* .60	birge



White Transparent Copal

A high grade copal or white varnish for protecting and finishing re-enameled parts. This is exactly the same grade of copal that we use in putting that high grade finish on our motorcycles and sidecars.

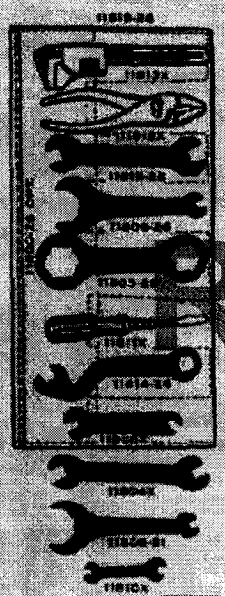
		CODE
11620-X—¼ pint can	*$0.40	biomi
11621-X—½ pint can	* .70	biook
11622-X—1 pint can	* 1.30	biosn
11623-X—1 quart can	* 2.50	bioto
11624-X—1 gallon can	* 9.70	bioup

Transfers

Decalcomania transfers are just the thing for putting the Harley-Davidson name on the tanks and the trademark on the frame head or tool box. Instructions for applying are included with each set.

		CODE
5915-08—Complete set	*$0.30	aomij
5917-08—Tank transfers, only	* .10	aomno
5917-30—Small tank transfers	* .10	eawgy
5919-08—Frame head transfer only	*$0.05	aomtu
5920-08—Trademark transfer (for tool box or sidecar)	* .05	aomuv

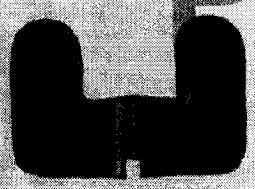
Big Twin Tool Kit



NUMBER	NAME OF TOOL	PRICE	CODE
11800-X	Complete tool kit	*$4.75	bobix
11803-31	Motor tappet and transmission wrench	* .30	boeeu
11804-X	Gas line and cylinder base nut wrench	* .25	bobym
11805-29	Spark plug wrench	* .30	boeka
11806-X	Valve cover and tappet wrench	* .25	boeeu
11806-26	Valve cover and tappet wrench	* .25	bocly
11806-30	Upper valve cover and tappet wrench	* .25	boetl
11806-30A	Lower valve cover wrench	* .25	bobla
11811-X	Two inch blade screw driver	* .30	becyn
11812-X	Adjustable pliers	* .50	boeso
11813-X	Monkey wrench	* .50	bodar
11818-X	Tool roll only	* .70	bodne
12039-X	Chain repair tool	* .90	boziv
12048-X	Axle nut and brake hub nut wrench	* .70	brapf

Single and 45-Inch Tool Kit

11800-26	Tool kit cpt. less chain tool	* 3.00	bobjy
11804-X	5/16" x 1/2" all purpose wrench	* .25	bobym
11805-29	Spark plug wrench	* .30	boeka
11806-26	Valve cover and tappet wrench	* .25	bocly
11806-31	Valve cover and tappet wrench	* .25	boegy
11810-X	5/16" x 3/8" open end wrench	* .15	beauj
11811-X	Two inch blade screw driver	* .30	becyn
11812-X	Adjustable pliers	* .50	boeso
11813-X	Monkey wrench	* .50	bodar
11814-26	Head nut and rear axle nut wrench	* .25	boddu
11815-26	5/16" x 11/16" all purpose wrench	* .25	bodev
11819-26	Tool roll only	* .50	bodof
11905-X	Valve tappet wrench	* .20	bolih

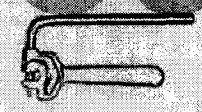


Motorcycle Spoke Nipple Wrench

An extra heavy drop forged wrench for ordinary use.

		CODE
12035-X—Fits all models except heavy spoke nipples	*$0.60	boyuf
12032-X—Heavy — Fits same as above	* 1.20	boyte
12032-26—Fits extra heavy nipples to 1929	* 1.20	boser
12032-30—1930—74" Twins	* 1.20	boyep

Chain Tools



12039-26

Made in our factory for repairing motorcycle chains.

		CODE
12039-X—Cpt. for 5/16" pitch chain	*$0.90	boziv
12039-26—Cpt. for 1/2" pitch chain	* .90	bozob

Head Wrench

A convenient wrench for the cylinder head bolts on 1930 and later big twins.

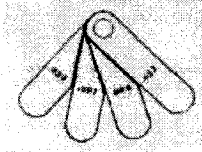
		CODE
12047-X—Socket wrench for head bolts	*$0.50	brsoe

Motorcycle Battery Hydrometer

A tested hydrometer that will give you accurate readings at all times. Comes carefully packed to prevent breakage.

		CODE
11831-X—Complete	*$1.00	boeul

Feeler Gauge



Every one ought to have one of these very handy gauges for adjusting tappets, spark plug points and breaker points. The four blades measure .004", .007", .022" and .030".

		CODE
11974-30—Feeler gauge	*$0.25	botov

FOR RESEARCH PURPOSES ONLY

Harley-Davidson Windshields

With these Harley-Davidson shields you ride in comfort the whole year 'round. No matter how unfavorable the weather may be—wind, rain or cold—you are well protected behind one of these windshields.

See your nearest Harley-Davidson dealer today. You'll be agreeably surprised at the added comfort and convenience you will enjoy.

If the Harley-Davidson dealer cannot supply you with these shields, you can order direct from the factory. All orders filled promptly.

Harley-Davidson Legshields

In the picture at right the handlebar windshield is shown complete. However, if you prefer, you can use the metal legshields separately. In this way you have complete protection for your feet and legs without the extra weight and bulk of the complete shield.

For Spring and Summer riding, many riders prefer this combination, especially when they ride solo.

These legshields are available for all models, from 1925 to 1931.

At left—The rear view shows how the handlebar windshield looks from the rider's viewpoint. Note the simple, yet sturdy construction of the Harley-Davidson windshield. The Pyralin is adjustable up or down to suit the individual rider. Note the window for the parking light, and the availability of all the controls.

Below—The sporty sidecar windshield gives ample protection without offering too much wind resistance. Its streamline design makes an excellent appearance. Adjustable up or down for tall or short passengers, and easily moved ahead for entering or leaving the sidecar.

		CODE
11294-X—Windshield less legshield assembly	$11.00	bakuh
11295-X—Motorcycle windshield cpt., for 1926 to 1929 big twins	15.00	begaid
11295-30—Motorcycle windshield cpt., for 1930 and 1931 big twins	15.00	begve
11295-30A—Motorcycle windshield cpt., for 45° twins	15.00	begyh
11295-30B—Motorcycle windshield cpt., for singles	15.00	begzi
11296-X—Set legshields with brackets for 1926 to 1929 big twins	* 7.50	begaj
11296-30—Set legshields with brackets for 1930 and 1931 big twins	* 7.50	begis
11296-30A—Set legshields with brackets for 45° twins	* 7.50	begku
11296-30B—Set legshields with brackets for singles	* 7.50	begoy
11000-30—Sport windshield for LT & LS (single pass.) sidecars	12.50	'aziah
11001-X—Circular windshield cpt., for QT (two passenger) sidecars	20.40	baaed

RESEARCH PURPOSES ONLY

FOR

RESEARCH

PURPOSES

ONLY

INTERNAL USE ONLY

1937 ACCESSORY CATALOG

RESEARCH PURPOSES ONLY

AMERICA'S MOST COMPLETE LINE OF MOTORCYCLE ACCESSORIES, RIDING CLOTHES, TOOLS AND SHOP SUPPLIES

PRICED IN U. S. DOLLARS F.O.B. MILWAUKEE, U.S.A. ALL DUTIES, TAXES AND TRANSPORTATION EXTRA

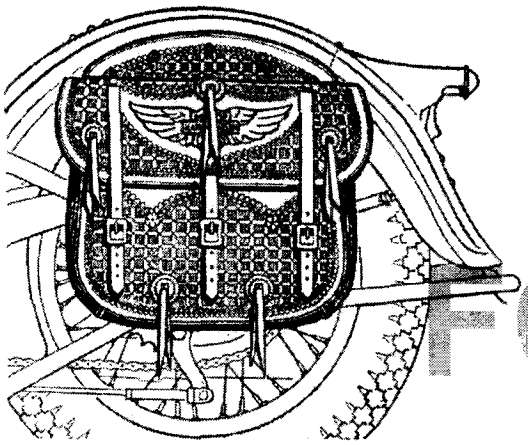
On account of rapidly changing costs, all prices are quoted subject to change without notice.

INSPECTED & APPROVED ACCESSORIES

LOOK FOR THIS LABEL ON EVERY ACCESSORY YOU BUY — IT GUARANTEES QUALITY

HARLEY-DAVIDSON MOTOR CO.
MILWAUKEE, WIS., U. S. A.

"DELUXE" SADDLE BAGS



These beautiful DeLuxe Saddle Bags are offered in response to a universal appeal for larger and roomier bags. Their capacity is several times that of the regular saddle bags.

These DeLuxe Saddle Bags are made of soft, pliable, well tanned, genuine cowhide—the best wearing leather available.

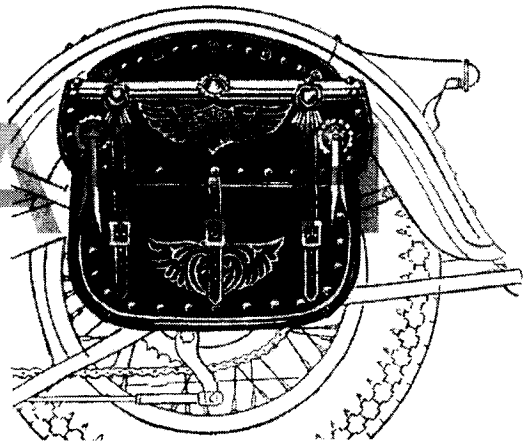
DeLuxe Saddle Bags come in two designs, both the same size. Both types are heavily reinforced on the back, at the openings and at the point where they are supported. The bags are designed to fasten directly to the fender by means of five supporting screws, and make a very fine appearance when placed in proper position.

The black saddle bags are decorated with very fine looking nickel plated spots and other nickel trimming. They are further set off by pure white leather strips cut in a fancy pattern.

The tan bags are hand-tooled throughout the outside surface in a beautiful basket weave design worked right into the leather. They are further decorated by leather rosettes fastened to the bag by latigos or straps of pure white leather.

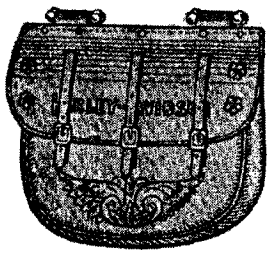
Riding belts to match either of the two described bags can also be supplied and are fully described on Page 10.

A combination every rider will be glad to own.



		Code
11785-37T—Tan DeLuxe Saddle Bags per pr.	**$13.95**	eoaue
11785-37B—Black DeLuxe Saddle Bags per pr.	**13.95**	eoapa

Quality Saddle Bags

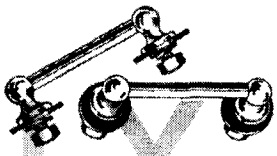


These bags are made from well tanned, soft and pliable cowhide — the best wearing leather that we could select for the purpose. Rugged straps are provided to hold the bags at the top, and for anchorage at the bottom. These saddle bags will fit equally well over the rear fender, or hang from chrome plated holders, as shown at the right or attached to a Harley-Davidson luggage carrier.

The low price makes these a bargain and brings them within the reach of every rider.

		Code
11785-X—Pair of saddle bags complete (without holders)	**$7.90**	boama
11786-X—One bag complete (without holders)	**4.00**	boaoc

Chrome Plated Bag Hangers



The neatest, classiest, most practical saddle bag mountings ever made. It is no longer necessary to strap your saddle bags over valanced fenders thus spoiling the appearance of your motorcycle. These chrome plated hanger mountings and a pair of saddle bags add real class to your mount.

		Code
11794-X—Set of 4 saddle bag holders	**$1.90**	elkxo

Will not fit De Luxe Bags

FOR REFERENCE PURPOSES ONLY

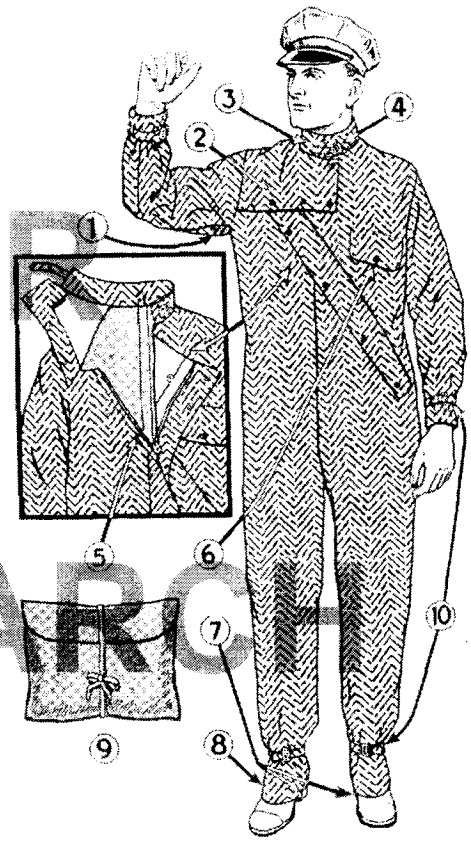
ALL WEATHER PROTECTION WITH A HARLEY-DAVIDSON RAINSUIT

Wear a Harley-Davidson rainsuit in wet or cold weather and you will feel as "Snug as a bug in a rug." This greatly improved rainsuit is the best value you can get. It is the popular one-piece suit and is now being made of a grey checked fabric, soft, flexible, comfortable and above all—WATER-PROOF!! The tough cloth is two layers well cemented together, seams are taped and cemented. Water cannot get through the diagonal front opening and the collar can be pulled up tight enough to keep out every drop.

This suit was expressly designed for your comfort; to keep you dry while driving in wet weather. Besides the protection it affords from rain, it is ideal for keeping out cold—the wind cannot penetrate.

A very good investment for your riding comfort at an exceptionally low cost. Note these features:

1. Ventilators under each arm.
2. Shoulder flap and collar one piece. Cannot leak. Fitted with snaps that always work and stay closed.
3. New style stand up collar, fits snugly and is watertight.
4. Collar fitted with takeup strap and snap fastener.
5. Diagonal front opening is guaranteed not to leak—water cannot run up hill. A genuine Talon fastener makes it easy to open and close the front.
6. Breast pocket is roomy and waterproof.
7. Good elastics under the instep keep the suit over the shoes.
8. Leg bottoms extend out over the shoe laces to prevent water getting through at this point.
9. A convenient blue denim bag to store rainsuit when not in use.
10. Adjustable takeup straps at wrists and ankles keep suit snug at these points.



Every rainsuit is guaranteed to be absolutely waterproof when sold. To keep it that way it is only necessary to use reasonable care. Don't fold and pack away wet. The suit should be kept free from gasoline or oil. Do not subject the suit to extreme heat. These simple precautions will keep the suit waterproof for a long time, usually until worn out.

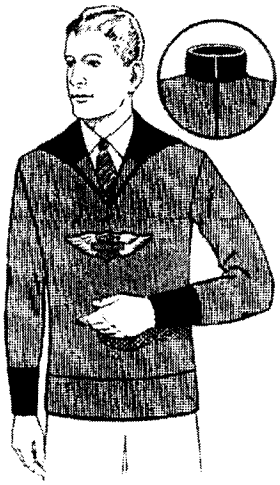
		Code
11095-36	New style Rainsuit	$9.50 extra

How to Order Size

Size	Chest Measure	Hgt. to
Small	36 to 38 ins.	5 ft. 6 ins.
Medium	40 to 42 ins.	5 ft. 8 ins.
Large	44 to 46 ins.	5 ft. 10 ins.
Extra large	48 to 50 ins.	6 ft. 4 ins.

FOR RESEARCH PURPOSES ONLY

NEW SWEATERS! NOVEL COLORS!



This newest of styles two color combination zipper collar sweater is our most popular model and is always in demand. This type collar, when open, makes a fine V neck sweater. When closed it is a turtleneck. The genuine Talon fastener will stay fixed at any point to allow the collar to be worn to suit the wearer.

This super quality sweater is a fine Baby Shaker knit of long fibre wool. It will keep its shape and give long and satisfactory wear. Double cuffs and waistband for longer service. Fully guaranteed against ripping or premature wear. Trimmed with beautiful Harley-Davidson silver wing emblem.

Sizes 34 to 48 inclusive. We can furnish special colors and lettering for clubs. A few suggestions are printed at bottom of this page.

		Code
11033-37G—Gold with Kelly Green collar and cuffs	**$4.95**	eogne
11033-37R—Scarlet with Black collar and cuffs	**4.95**	eogof
11033-37W—White with Royal Blue collar and cuffs	**4.95**	eogsi

Special colors and color combinations can be made up on order. Colors available are maroon, scarlet, royal blue, navy blue, white, black, orange, Kelly green and gold. State full specifications with order.

11033-37S—Special color sweaters ..... **$5.25** eohia

Just the thing for cool summer days. An all wool summer knit, lightweight, classy sweater, in two attractive colors. You cannot match its quality at anywhere near our low price.

Bodies are knit in either pure white with black cuffs and collar trim, or bright scarlet with black cuffs and collar trim. Either choice will please you. Made with the popular U-Vee neck and trimmed with the beautiful Harley-Davidson wing emblem. The best buy of the year! Sizes 35 to 48.

		Code
11030-37W—White Body with Black trim	**$2.95**	eocly
11030-37R—Scarlet Body with Black trim	**2.95**	eocix

Special colors and color combinations can be made up on order. Colors available are maroon, scarlet, royal blue, navy blue, white, black, orange, Kelly green and gold. State full specifications with order.

		Code
11030-37S—Special color sweaters	**$3.25**	eohew

Popular Club Name and Emblems

The club lettering or emblem idea is becoming increasingly popular. These illustrations suggest some possibilities for your club. You may offer your own design or tell us what you would like to have and we will be glad to quote prices.

FOR RESEARCH PURPOSES ONLY

LEATHER ZIPPER JACKET

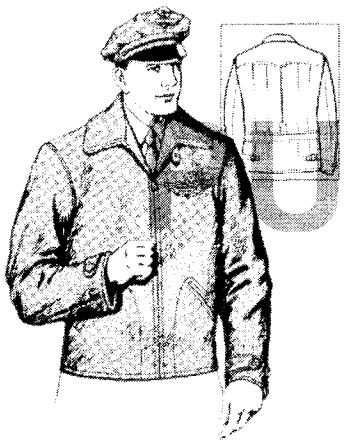
Here is a fine leather jacket that has every good quality. It is warm, durable, showerproof, windproof, and good-looking. It is made of full grain black select horsehide, soft and pliable, and is lined throughout with a high grade black moleskin cloth of exceptional wearing qualities. Has Cossack waistband with take-up straps for proper waist adjustment.

Has leather collar and adjustable cuffs, genuine Talon zipper front. Two roomy slash pockets.

Fashioned with the popular "By Swing" shoulders, insures maximum of room for utility and comfort. An ideal jacket for every occasion. Sizes 34 to 48.

			Code
11069-35	Leather Jacket (while stock lasts)	$13.25	byehi
11069-37	New Aviator Style Jacket	15.75	eohog

DANDY CLOTH SUEDE JACKET



A dandy garment for general all-around purpose at a very low price. It is a fine looking jacket and will give long satisfactory service. It is a great bargain.

It is made up of two layers of cloth firmly cemented together with several layers of rubber cement. This makes it both waterproof and windproof. The outer layer of cloth is a dark brown cloth suede and the inner layer is finished similar to a sheep skin lining.

It can be washed in warm—not hot—water, with a mild soap. In fashion and appearance, it is very similar to our leather jacket described above.

			Code
11085-X	Badger Suede Jacket	$3.95	bopux

For Safety and Warmth

These soft, pliable leather riding breeches are just the thing for the competition rider as they afford quite a protection against injury in case of a spill. They are very comfortable in severe weather as wind cannot penetrate the leather.

These exceptionally fine tailored horsehide breeches are made from fine soft, black, front quarter horsehide, and are fully lined. Have five pockets and belt loops.

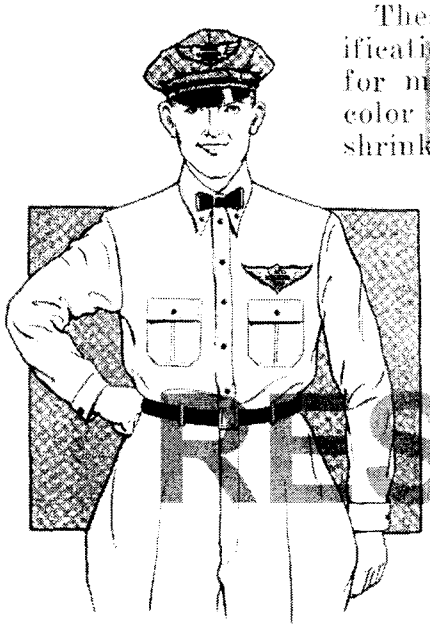
			Code
11068-X	Black Horsehide Breeches	$14.25	bahio

FOR RESEARCH PURPOSES ONLY

MOTORCYCLISTS ARE DRESSING UP!

With brighter, shinier, and cleaner mounts than ever before, it is only natural that riders are looking to their own personal appearance in keeping with their motorcycles.

To meet this demand for nobby and practical riding togs we are offering a wonderful selection of the finest Twillardine shirts and fine weave linen shirts at most reasonable prices. Just the thing for club groups as well as for individuals.

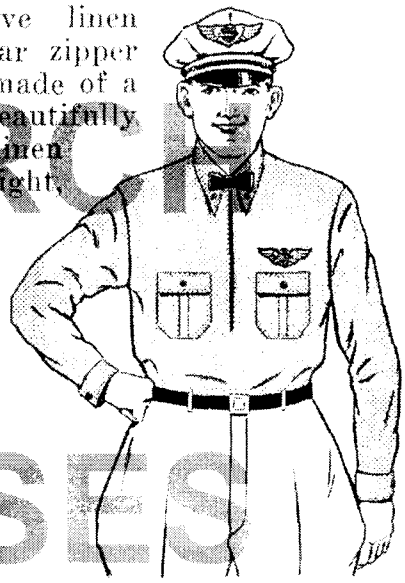


Twillardine Shirt

These beautiful shirts are made to our own specifications, are most correctly tailored and are ideal for motorcycling. They are fully guaranteed to be color fast and being thoroughly pre-shrunk, will not shrink when properly washed with warm water and pure soap. Every rider will want one or more of each style for the coming season.

These shirts are offered in two distinctive styles:

The close weave linen shirt is the popular zipper front style. It is made of a very close grain, beautifully woven, light tan linen fabric, light weight, and cool for summer use. This is the best shirting available for the purpose and is practically wear-proof. Pointed button-down collar. Two roomy bellows pockets with button-down flaps.



New Zipper Shirt

The Twillardine shirt is the front button type, button-down collar, two roomy bellows pockets with button-down flaps and is trimmed with black buttons. Material is of the best white Twillardine. It is easily laundered and wears like iron. A fine dressy shirt you will be proud to wear for any occasion.

		Code
11031-36—White twillardine shirt	**$2.75**	eltih
11031-37—Tan close weave linen zipper shirt (Specify collar size and sleeve length)	**2.65**	eogiz

Classy Caps

A fine dressy twillardine cap, as shown above on shirt pictures. The cloth is mercerized and sanforized and may be easily removed from the frame for washing. A strong, comfortable, bamboo frame keeps the cap in shape. A haircloth riser holds the front of the cap in a snappy "up" position. Patent leather visor and black cord set off cap with rakish style. Made in two colors: Sun Tan and Navy Blue, with winged emblem on the front.

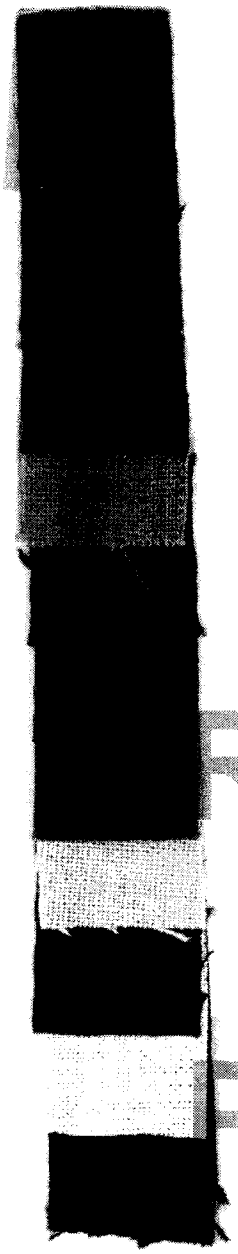
For riders desiring a leather cap we offer a most attractive and durable all leather cap made of close grain brown leather—dust and practically waterproof. Brown color. Vent holes in side. Visor and cord same as our twillardine cap shown above.

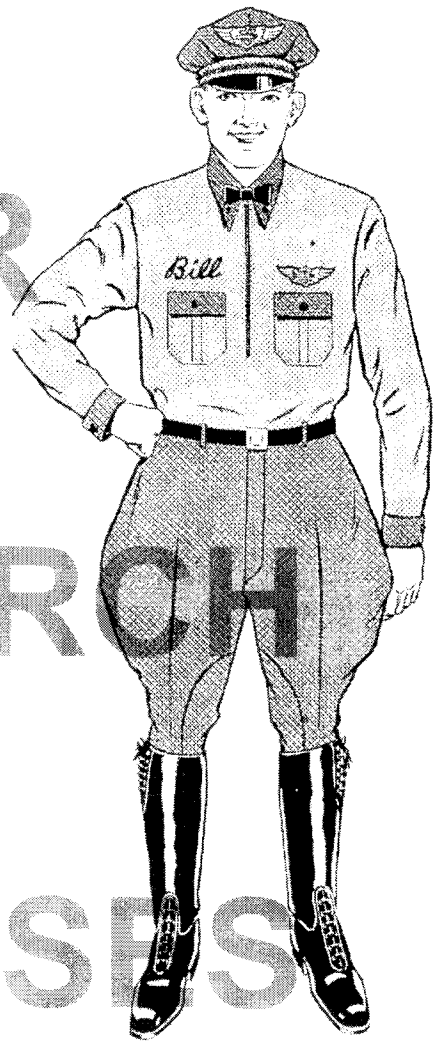
All cap sizes in 1/8s—6 3/4 to 7 1/2.

		Code
11798-XT—Twillardine sun tan with black cord	**$1.95**	elrpr
11798-XN—Twillardine navy blue with orange cord	**1.95**	elrsp
11798-XL—Rich brown leather cap with black cord	**2.50**	emeny

FOR RESEARCH PURPOSES ONLY

CLUB UNIFORMS
of MATCHED RIDING TOGS





Dress up your motorcycle club members in colorful, well-fitting and comfortable "Matched Riding Togs." This year, more than ever before, club uniforms are going to be very popular. Well-dressed riders, wherever they go, singly or as a club group, are receiving favorable comment. Why not set the style in your community—have your club talked about and recognized—have your riders all neatly uniformed and distinctive. Ladies' auxiliaries, too, are going in for dressy uniforms in a big way. It is all so easy and the cost is nominal. We have just what you want in colors, style, material, quality, and the prices are right. A complete line of breeches, shirts, sweaters, caps, helmets, riding boots, etc., to choose from.

Examine carefully the specimen swatches attached to this page. Note the fine quality of material and the wonderful color combinations possible. Select your colors and get a good-looking outfit.

Colors available in shirts, caps and riding breeches are: white, black, scarlet, maroon, tan, brown, green, gold, orange, navy blue and royal blue. Usually one body color is selected for shirts, with the collar, pocket flaps and cuffs another color. Breeches can be trimmed with colored strips down the sides if desired.

For special colors or combinations of colors in shirts, riding breeches, and caps, order as follows. Be sure to give full particulars.

FOR RESEARCH PURPOSES ONLY

11031-37S—Special color linen shirt, zipper front **$3.50**
11031-36S—Special color twillardine shirt, button front **3.75**
For club name on the back, plus individual's name over pocket, add **1.00**
11094-36S—Special color, men's gabardine breeches **4.00**
11092-36S—Special color, ladies' gabardine breeches **4.00**
11798-XS—Special color, twillardine top caps **1.95**

Neat Emblems for Trim

11763-36

11766-XW

11773-X

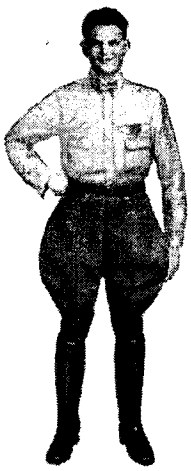
These beautifully embroidered emblems make a very fine looking addition to a sweater, blouse, shirt, jacket, cap or helmet. They show that you belong to the red blooded group of fine fellows who ride motorcycles.

The largest of the three has silver colored silken wings and a golden silk trademark, mounted on preshrunk gray felt. The medium size has the same beautiful colors embroidered on fast black felt. The smaller one is on a cloth pad, thin enough to go on a cloth helmet or shirt.

		Code
11763-36—13" Winged emblem	**$0.75**	byeon
11766-XW—7½" Winged emblem	.50	biwil
11773-X—4" Winged emblem	.25	blupu

FINEST MEN'S RIDING BREECHES

Best Quality, Comfortable and Durable



English Military Style Breeches

One of the most essential items for perfect comfort in a rider's wearing apparel is a pair of good-fitting and serviceable riding breeches. The following fine appearing, long wearing, quality breeches were selected especially for motorcycle riders. Style and fine workmanship make these quality breeches in every respect.

FOR

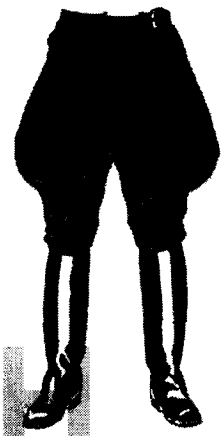
Polo Style Whipcord

Dark Oxford or Police Blue

A leader in riding breeches. Made of a strong, closely woven, pre-shrunk, cotton whipcord material. The polo style is dressy and durable—it wears like iron. Double thickness on inside of knees and seat. Five roomy pockets. Sizes 28 to 40 in standard lengths; 30 to 38 in extra long; 28 to 32 in extra short.

RESEARCH

		Code
11097-34—Dark oxford whipcord	**$3.85**	bykah
11097-38—Police Blue whipcord	**3.85**	bycpr



Polo Style Breeches

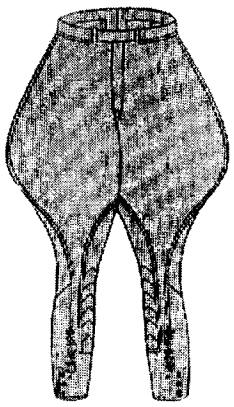
English Military Style

You cannot buy a better breech anywhere at this price. The last word in style and quality. These extra high grade breeches will appeal to the most critical buyer. Made from a closely woven tan part wool material. Full grain leather facings are used at the knees. Sizes 28 to 40 in standard lengths; 30 to 38 in extra long; 28 to 32 in extra short.

PURPOSES

		Code
11099-X—Tan only	**$7.75**	bajox

COOL SUMMER WEIGHT GABARDINES



Officers Style

Two light weight but extra strong and long-wearing summer breeches of gabardine are carried in stock. The pure white is the same popular material and style supplied in 1936. Made in the polo style, with double knees and five pockets.

ONLY

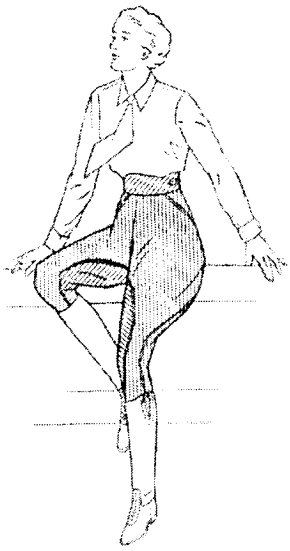
The light tan, Officer's Model, breech is a new type that is bound to be popular. It is made from a very finely woven gabardine material that is very strong, but cool and light in weight. Is a military cut with reinforced knees, five pockets and a combination lace and button calf.

Both of these are available from stock in even sizes from 28 to 42 standard length, 28 to 36 extra shorts, and 28 to 38 extra longs.

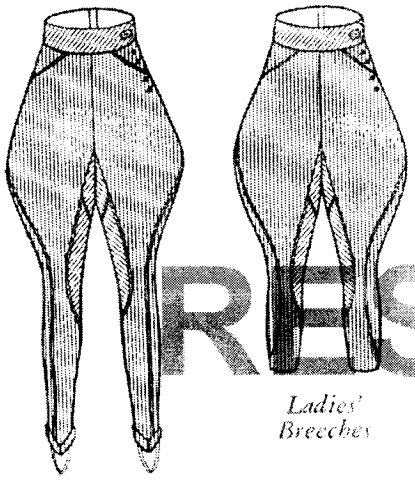
		Code
11094-36—White gabardine breeches	**$3.95**	byede
11098-37—Tan officer's breeches	**3.95**	conjn

NEW! BRONCHO STYLE!

Fine Riding Breeches and Jodhpurs . . . FOR THE LADIES



Every girl who rides, either as a passenger or a driver, will be wanting at least one pair of these new style, Broncho breeches and jodhpurs. They feature a wider waistband, higher rise, and an adjustable fastener at the waist that assures a better fit. The one button fastening at the bottom is also a fine improvement.



Ladies' Breeches

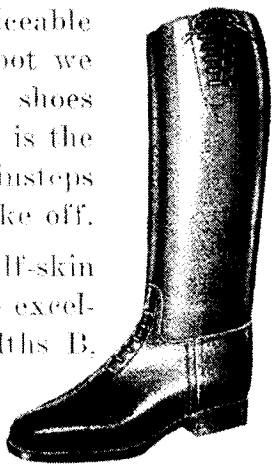
Ladies' Jodhpurs

These very good-looking breeches are made from mercerized and sanforized garbardine of a fine quality. The tailoring is of the best. Both the breeches and jodhpurs are reinforced on the insides of the knees, and have four roomy pockets.

Broncho breeches and jodhpurs are carried in stock in a beautiful pure white color, and a very good-looking shade of light tan. Even sizes from 24 to 34 inclusive are immediately available. Standard lengths only are supplied.

		Code
11092-37T—Ladies' tan breeches	**$3.95**	eoadu
11092-37W—Ladies' white breeches	**3.95**	eoaeo
11093-37T—Ladies' tan jodhpurs	**3.95**	eoagr
11093-37W—Ladies' white jodhpurs	**3.95**	eoaii

FIELD BOOTS



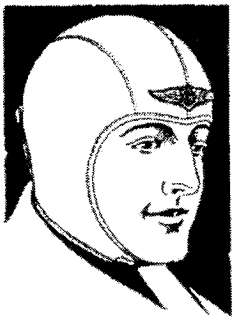
To complete a motorcycle riding ensemble, a pair of serviceable and dressy riding boots are essential. The high grade boot we list is practical economy—lower in cost than a pair of shoes plus a pair of puttees. The field boot style, we illustrate, is the style desired by motorcycle riders. The lacings at the insteps and the calf make this style of boot easy to put on and take off.

Harley-Davidson boots are made from high grade calf-skin that will give long service. They are fully lined and have excellent soles. Can be supplied in sizes 5 to 12 and in widths B, C, and D. Get your proper measurement from your shoe dealer. Stocked in black only.

		Code
11090-34—Field Boots	**$10.95**	bursh

FOR RESEARCH PURPOSES ONLY

HELMETS FOR COMFORT . . . . . *In Any Weather*



Fine Cloth

Cloth Helmets Are Ideal For Summer

Harley-Davidson cloth helmets are cool, comfortable and easily cleaned. Made of sanforized and mercerized gabardine, they fit smoothly and snugly, without gathering at the seams. The nifty 3½ inch wing emblem, shown in the illustration, is woven on a white background. Just the thing for summer wear. Very popular with the boys and their girl friends. Sizes small, medium and large.

		Code
11060-37W—White, with wing emblem	*$1.00	byvew
11060-37T—Tan, with wing emblem	* 1.00	byvgy
11066-37W—White, without emblem	* .80	byune
11066-37T—Tan, without emblem	* .80	bynof
11773-X—Wing emblem only	* .25	blupu

Summer Leather Helmets

Unlined Leather

Our leather helmets are soft and pliable, snug fitting and very smart appearing. Adjustable chin strap and handy goggle straps. Available in small, medium and large size, and in the following styles:

		Code
11065-XB—Black glove leather (unlined)	$1.90	bahag
11065-XW—White glove leather (unlined)	1.90	bahci

Real Leather

Best Leather Seller

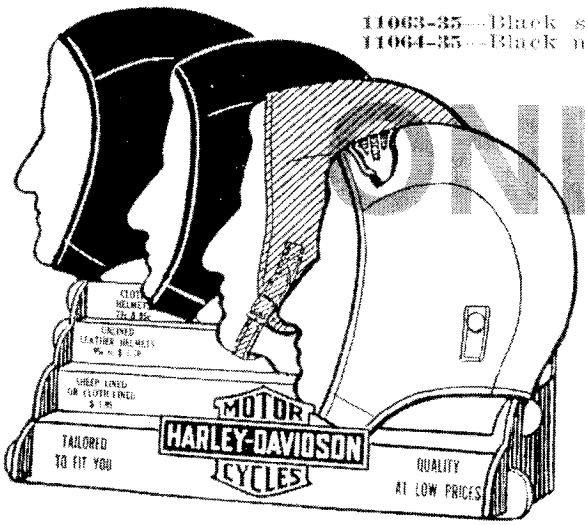
Real soft, pliable leather, well made and tailored to fit. Smooth finished so as to shed dirt and dust. Fashioned with adjustable chin strap and buckle and also goggle retaining straps. This is the biggest helmet bargain we ever offered. Made in small, medium and large sizes. Your choice of either rich tan or white.

		Code
11062-35—Tan helmet	$ .95	bycpo
11062-35W—White helmet	.95	bycut

Lined Winter Leather Helmets

Harley-Davidson lined glove leather helmets are designed to meet the requirements for warm head gear during cool and blustery weather. These helmets are made with the neat and close fitting front to rear seam style. The sheeplined helmet with its soft, thick sheep's wool lining throughout is the favorite for real cold weather. Many riders prefer the chamois lined helmets for all year service. Sizes, small, medium and large. In black only.

		Code
11063-35—Black sheeplined helmet	$2.25	bycvu
11064-35—Black moleskin lined helmet	2.25	bycyx



Dealers Attention!

This attractive Helmet Display stand was made up especially for you. It displays four different kinds of helmets and the selection can be changed for every season.

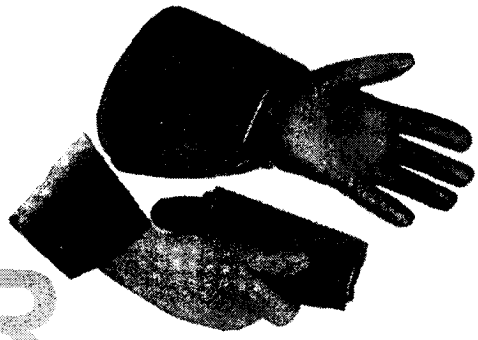
Display one prominently on your show case and watch your helmet sales grow! No charge for Helmet Display Stand when ordered with an assortment of helmets. Act now.

FOR RESEARCH PURPOSES ONLY

LONG WEARING MITTS AND GLOVES

Slip-on gloves, as shown below, are ideal riding gloves. They are very comfortable. Slip on or off very easily and can be carried in your pocket. Made from finest black horsehide. They are not to be compared to ordinary gloves as they will outwear many pairs in hard service. They wear like iron. Fleece-lined for cool weather.

The unlined gloves are great for warm weather as they are cool and comfortable. Half sizes 7 to 11.



		Code
11080-X—Unlined slip-on gloves, per pr.	**$2.25**	baiip
11080-34—Lined slip-on gloves, per pr.	**2.60**	bosyd

These are also supplied in unlined high grade buckskin.

11082-X—Buckskin gloves, per pr.	**$2.65**	biwab

For those who prefer gauntlet gloves we have the same high grade glove leather as used in our slip-on gloves. The cuffs are real leather with pebble grain finish. They may be folded right up for carrying without harming them.

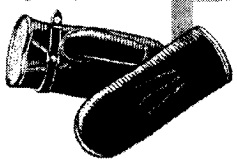
The gauntlet gloves are also supplied in two styles: Unlined for warm weather and good fleece-lined for cooler weather. Both have take-up straps at the wrists. Half sizes 7 to 11.

		Code
11081-X—Unlined gauntlet gloves	**$3.25**	baiks
11081-34—Lined gauntlet gloves	**3.50**	bajpy

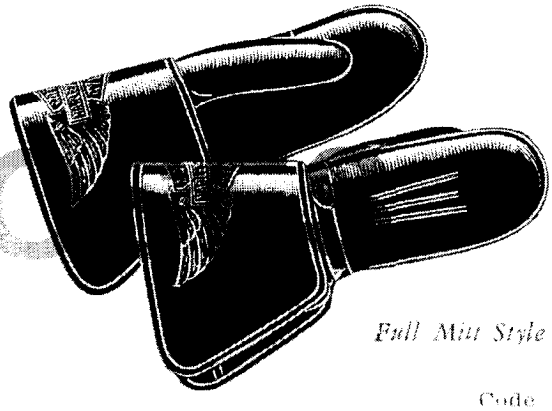
Sheeplined Mitts

Extra thick sheep-lined! For cold weather driving comfort these dandy, lined, gauntlets or short mitts cannot be excelled. Your hands keep warm in the coldest weather!

The soft, thick, sheeps wool lining extends way out into the wrists of the cuffs. These mitts have tough black horsehide hands and strap leather cuffs. The gauntlet cuffs are beautifully embossed with the Harley-Davidson emblem and are very attractive. Made in two styles, full mitt and one-finger style.



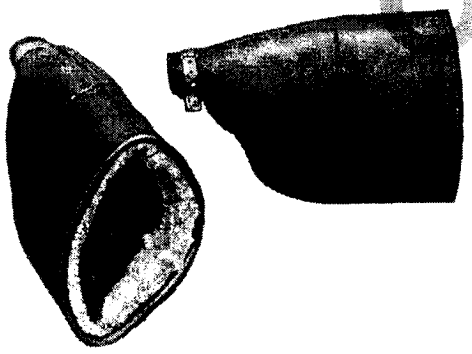
The short sheeplined mitts are of the same excellent quality and design, minus the cuff. Fitted with wrist strap. All mitts carried in sizes small, medium and large.



Full Mitt Style

		Code
11078-X—Full mitt lined mitts	**$5.75**	baign
11077-X—One finger mitt lined mitts	**5.95**	baiel
11079-X—Short sheeplined mitts	**3.75**	eluro

Lined Handlebar Muffs

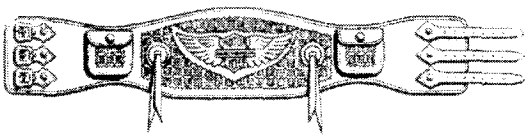


These warm and roomy handlebar muffs are lined throughout with thick sheep's wool. The metal clamp on the front holds them securely to the bars. Light and horn switches as well as front brake lever are easily operated from inside the muffs. The leather surface keeps out the cold and they are long enough to keep out the cold without wearing gauntlets. Very practical.

		Code
11083-30—Handlebar muffs, per pr.	**$6.00**	bairy

FOR SEARCH PURPOSES ONLY

DELUXE RIDING BELTS



We are justly proud of these fine new DeLuxe Riding Belts. They are made from flexible, specially selected, genuine cowhide. The three take-up straps and buckles are securely fastened. Stitched for stability and riveted for strength, they cannot pull off. Two spacious pockets for change, keys, or cigarettes.

These belts are offered in two styles, tan and black. The tan belt is beautifuly hand-tooled basket weave design. Finished with leather rosettes with pure white leather trim.

Black belt is finished with our emblem artistically hand-tooled in leather and finished with metal ornaments and leather rosettes with white leather trim.

A perfect match to our DeLuxe Saddle Bags. Every rider will want a matched set. In even sizes 26 to 42.

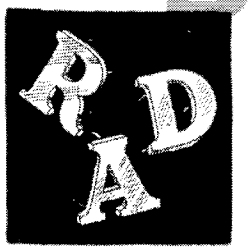
		Code
11075-37B—Black, trimmed, pocket belt	**$4.50**	eoany
11075-37T—Tan, trimmed, pocket belt	**4.50**	eoaoz

Plain Riding Belts

For riders preferring a plain riding belt, we can supply this improved, highly polished, black cowhide belt. Three strong straps are sewed on. No rivets to rust or catch in the clothing. Sizes 28 to 42.

		Code
11073-XB—Plain Belt, no binding	**$3.35**	bahnu

Initial Letters and Spots

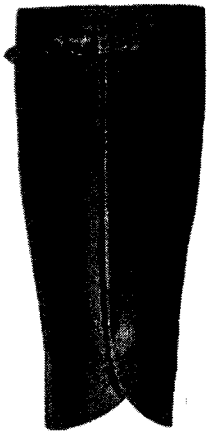


These one inch block letters are made of brass, highly nickeled and polished. Have good substantial nails or brads built into them for fastening to leather or any other appropriate place.

The polished nickel spots are ideal for decorating leather. Riders will want them for working out designs on saddle bags, belts, etc.

		Code
11758-37—Block letters (specify letters wanted) each	**$0.15**	eoela
11757-37—Nickeled spots ⅜", per hundred	**.60**	eohas

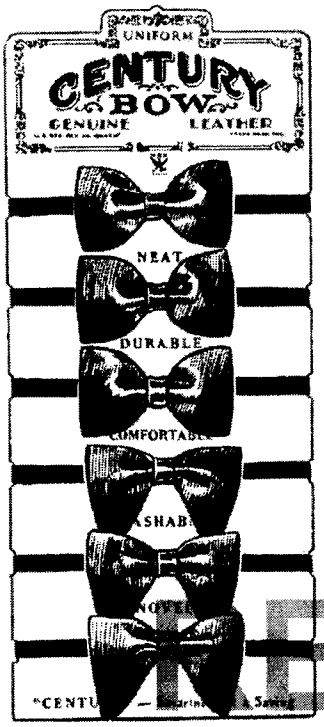
Neat Attractive Puttees



There are times when a motorcycle rider will want to wear something different from riding boots for certain occasions. Our fine full grain cowhide puttees are just the thing. These neat, attractive Police Model Puttees are made of genuine cowhide. Will take a high polish, and KEEP their SHAPE. Will not fold up like an accordian when they get wet. They are fitted with the double spring front, and come in even sizes 14 to 17. Order from actual calf measurements.

		Code
11091-X—Puttees	**$5.25**	bajem

TIE UP WITH A LEATHER TIE

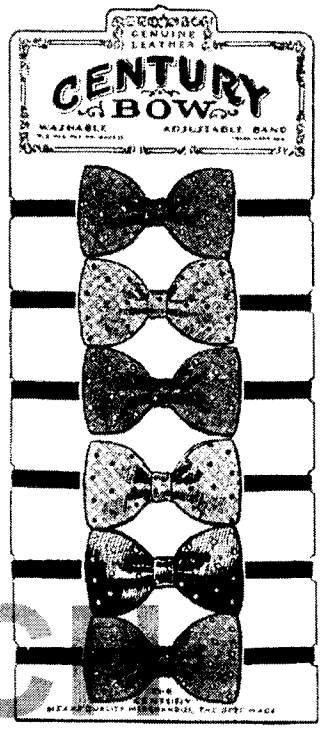


Leather ties are very practical for the outdoor man. Their appearance is not affected by dust or rain, as they stay in shape and look well under all conditions. When dirty they can easily be cleaned with a damp cloth.

The genuine leather ties we offer are very high grade ties, of much better quality than the average. The material in them is of the best, they are very carefully finished, and are fitted with high grade elastics. They make a fine appearance.

The styles we have to offer are the Standard, either in the plain black, or in colors with the dots, and the Pointex in plain black only.

Put upon attractive display cards of six ties each.



Code
11029-34—Leather Bow Tie (specify color) each ..... **$0.35** below

Nifty 4-In-Hand Ties

The finest quality leather 4-in-hand ties made. Of the thousands in use we have had only favorable comment. A wonderful repeater in sales. Very popular with riders.

Made in assorted colors and patterns and black. New styles are available. Requires close examination to detect from real silk. A style and color for every use—police, firemen, car men, station attendants, and postmen are just a few users besides motorcyclers and all outdoor sportsmen. Buy them in dozen lots. Unlimited sales possibilities.

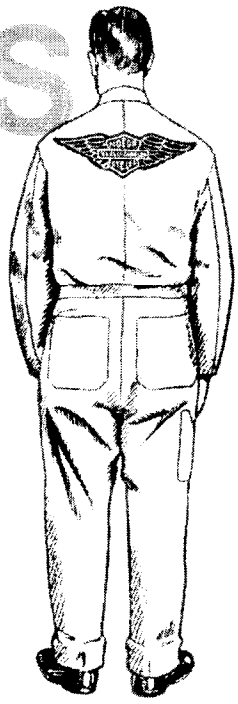
Code
11028-34—4-in-hand tie, each **$0.75** below

Wear Coveralls

Harley-Davidson coveralls are made of the finest sail cloth and the workmanship is excellent. They are pre-shrunk, tough and durable. Will stand lots of hard rough wear and cleaning. The Harley-Davidson winged emblem on the back makes for neat trim appearance.

You may buy lower priced coveralls, but you'll not get better than these at any price.

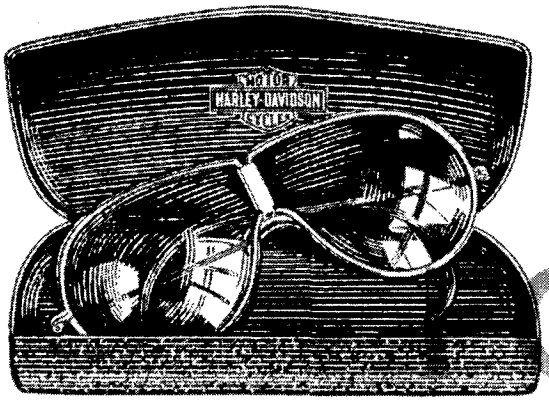
Snap-on buttons for convenience. White or Hickory stripe. Sizes 34 to 50.



Code
11760-X—Hickory stripe ..... **$3.75** below
11762-X—White ..... **4.00** below

FOR RESEARCH PURPOSES ONLY

A QUALITY SPORTGLASS . . . *The Motorcyclists Choice!*



The Very Best Sport Glass

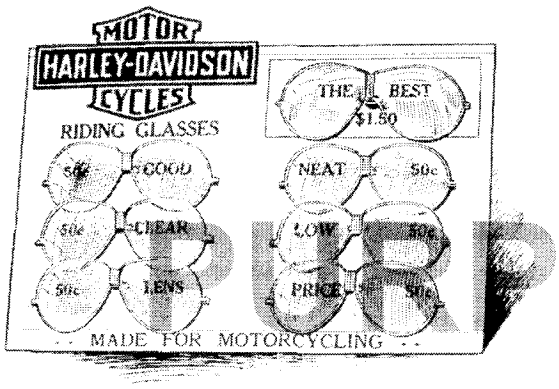
The low prices on these improved Harley-Davidson sport glasses will enable you to own a pair of the finest glasses made for motorcycle service. The most comfortable sport glass obtainable.

Sturdily constructed, with strong metal rims, heavily plated in gold, these new glasses are designed to fit lower over the eyes, thus giving better protection against wind, dust and dirt, as well as sun glare.

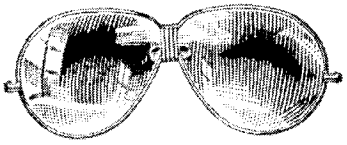
The lenses are wide and deeply curved. Made of optical glass to prevent eye strain. Available in clear, blue, light amber, light smoke and light fieuzel. The medium and dark shades are also to be had on special order. Priced without case.

		Code
11050-XA—Clear	*$1.50	bycha
11050-XB—Amber	* 1.50	byced
11050-XC—Daylight blue	* 1.50	bycfe
11050-XD—Smoke	* 1.50	bycih
11050-XE—Fieuzel	* 1.50	bycji
11051-XX—Goggle case only	.25	bihod

A Mighty Good, Low Priced Sportglass



These low priced riding glasses have clear lenses free from flaws and distortion. Do not confuse these riding glasses with the cheap variety on the market. Frames are well made and attractively finished. Bows are attached with screws, not rivets. Nose piece and bows can be bent to fit properly and comfortably. Six of the 11049-X glasses and one 11050-X glass mounted on attractive counter display card is available for dealers. Keep your display card full!

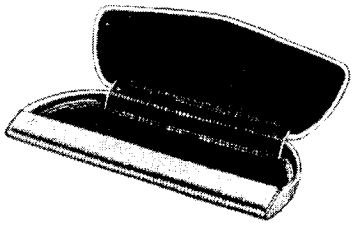


11049-XA

		Code
11049-XA—Clear	$0.50	bybro
11049-XB—Amber	.50	bybus
11049-XC—Blue	.50	bybwu
11049-XD—Smoke	.50	bybyw
11049-XE—Fieuzel	.50	bycaz
11051-XX—Goggle case only	.25	bihod

Sportglass Case

For the convenience of purchasers of new sport glasses or those who have inadvertently mislaid or lost their glass cases, we offer this sturdy covered and cloth lined metal case at a very nominal price. Spring tension cover.



Will protect your sport glasses when carried in pockets or saddlebags.

		Code
11051-XX—Sport glass case only	$0.25	bihod

FOR RESEARCH PURPOSES ONLY

EYE INSURANCE!

Wear Goggles

Only the clearest, non-shattering lenses obtainable, those free from all defects, are used in Harley-Davidson goggles. Therefore, these lenses are not only absolutely SAFE—they also prevent eye strain.

The lenses are held in highly polished aluminum frames which are strongly sewed to a closely woven, durable, lightweight, tan cloth. The high grade elastic band is double adjustable and is fastened with grain leather tabs. Genuine lamb or fine rubber bindings. These goggles are fully guaranteed.

Wideview—Lamb Binding

This new model has the popular drop eye design which gives excellent range of vision. It is fitted with a leather hinge and represents a wonderful value at the price.

		Code
11059-X—Wideview goggles, pair	***$2.25**	baelo
11059-XA—Extra lenses, pair	*** 1.25**	badwy

Wideview—Rubber Binding

Same popular model as above except binding is of pliable rubber. A dandy summer goggle.

		Code
11045-X—Wideview with rubber binding	**$2.50**	bivor

Safespeed—Lamb Binding

This model has specially shaped lenses which afford even wider range of vision than the Wideview model. This high grade goggle has a metal hinge and built-in ventilators in the ends of the frame.

The latest model with the new hinge design, can be folded into a small space.

		Code
11058-X—Safespeed, pair	***$3.50**	baekn
11058-XA—Extra lenses, pair	*** 1.75**	badsu

De Luxe Safespeed—Rubber Mask

As shown in the picture, this goggle is the same general shape as the Safespeed. Instead of the binding used on the Safespeed this style is fitted with a molded soft rubber mask.

The rubber mask type is preferred by many because the protection from dust or wind is 100%, there is absolutely no chance of either getting through or around this goggle. The mask is soft, form-fitting and comfortable. Ventilation is provided.

This type can be worn over the ordinary pair of glasses. Formerly sold for as much as $7.00.

		Code
11043-X—R. M. Safespeed, pair	***$4.50**	bivmo
11058-XA—Extra lenses, pair	*** 1.75**	badsu

FOR RESEARCH PURPOSES ONLY

Good Low Priced Goggles

French Style

This popular French style goggle is a great favorite. Fitted with plain curved lenses that are low priced and easily replaceable. Mountings are sewed to durable mesh cloth and are bound with an excellent grade of chenille. Good, clear vision goggles at a very low price.

		Code
11053-X—French style goggle	**$1.25**	bajgo
11053-XA—Lenses only, per pr.	**.60**	bajfr

Comfortable and Durable

The "Autocrat" model shown here, is designed to meet the popular demand for a low-priced wide vision goggle.

		Code
11056-X	**$0.95**	baept
11057-X—Extra lenses, pair	**.50**	baeos

CHROME PLATED LICENSE FRAME

Dress up the new license in one of these attractive chrome plated brass frames. Adds greatly to the appearance of motorcycle and also reflects light to make for safer night riding. Designed so it can be fitted to any rectangular motorcycle license plate 2¾" x 5" to 5¼" x 10" maximum size. Easily attached. Strong—attractive—durable.

Code

11336-36—Adjustable license plate frame, each ..... **$0.95** eoddr

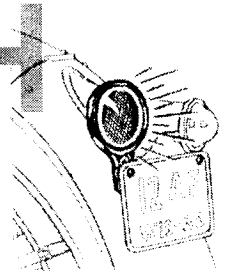
It's A Jewel!

These new high reflex license jewels reflect light to resemble balls of colored fire. Help make safer night riding. Can be seen from 500 to 1000 feet. Jewels are embedded in strong metal caps which are shaped to fit the new license plate frame. Anchor bolt cannot pull out. Available in four attractive and effective colors—crystal, red, green and yellow. Use them for attractive decorations.

Code

11777-XP—One pair license jewels (specify color)..... **$0.35** bopad

Rear Reflector Lens



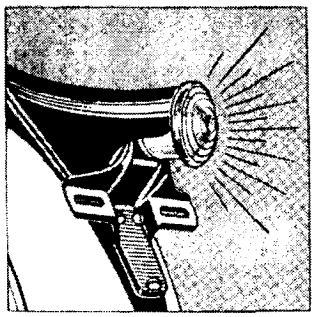
In an emergency when the tail light bulb fails, a rear reflector lens proves its worth and will repay itself many times over. Our new rear reflector is ideal for this purpose. This lense, 2½" in diameter, will reflect light from a long distance. Strong black enameled mounting is easily attached to license bracket.

Code

11778-X—Reflector ..... **$0.65** byaif

Buy A Dependable Stop Light

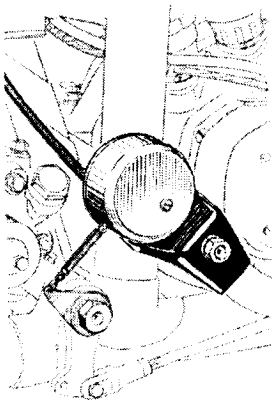
Avoid rear end collisions; warn those behind you when you set your brakes! The new Harley-Davidson Stop Light will flash a brilliant RED signal plainly visible day or night every time you set your brakes. Motorists behind you will appreciate this safety warning; it puts them on guard. Some states require those Stop Lights by law. EVERY motorcycle should be Stop Light equipped for the rider's own safety and protection.



City and State Police and County Officers should have Stop Light protection. As essential as the brake itself.

Designed and made by Harley-Davidson. That means sure and dependable service. Switch mounts on transmission on 45's and Singles.

Lamp body is fitted with a two-filament bulb—regular 2 c. p. for normal night tail light and 21 c. p. filament for Stop Light—day or night.



Switch

Code

11450-30—Stop and tail light complete—1930 to 1936 74" & 80" models ..... **$4.00** bosuz

11450-30A—Stop and tail light complete—1929 to 1934 45" and singles ..... **4.00** bosva

11450-35—Stop and tail light complete—1935 to 1937 45" twins ..... * **4.00** bwyfy

11450-35A—Stop and tail light complete—1935 to 1937 G & GA Servi-Cars ..... * **4.00** elkri

11450-35B—Stop and tail light complete—1935 to 1937 GD & GDT Servi-Cars ..... * **4.00** elkph

11450-36—Stop and tail light complete—1936 & 1937 61", 1937—74" & 80" twins ..... * **4.00** ekith

FOR RESEARCH PURPOSES ONLY

"Sport Shield" Adds to Your Solo Pleasure

The Solo "Sport" Shield *for Summer Riding*

Real Comfort . . . Fits All Models

This popular Harley-Davidson solo sport shield has the same rugged construction and long wearing high quality material as the regular windshield. Just the thing for your long distance summer trips, as well as for added comfort on short trips.

The solo sport shield is designed to eliminate wind pressure, bugs and dust from the face and upper body. It is small but very effective and will enable you to go without goggles under many conditions. The wind resistance is little more than that offered by your body, thus speed is barely affected.

11292-36—Summer Solo Sport Shield complete ..... **$7.00** Code: etrom

Extensions are provided to raise the solo shield for a very tall rider. Easily installed.

11299-36A—Sport Shield Extensions, pair ..... **$0.60** Code: emaue

Leg Protection With A Lap Cover

Your legs and feet are fully protected from wind and rain as well as splashing with these lap covers. They help you enjoy motorcycling under all weather conditions.

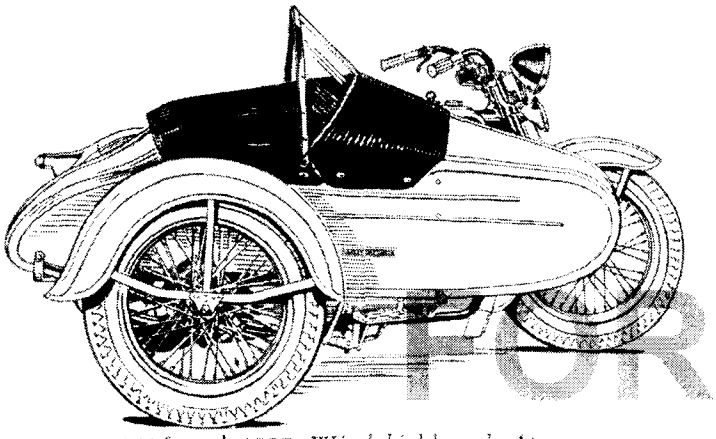
Made of waterproof fabric with turned and sewed edges. Strong, durable and practical. Will last as long as the motorcycle. It affords adequate protection to the lower part of the body. Does not, in any way, interfere with the controls.

This legshield and lap cover can be snapped on or off in a jiffy. When not in use it can be rolled up compactly and carried in the sidecar or saddlebag.

11320-X—For all models ..... **$6.50** Code: bejam

FOR RESEARCH PURPOSES ONLY

SIDECAR WINDSHIELD



1936 *and* 1937 *Windshield and Apron*

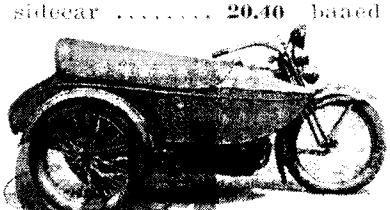
The Harley-Davidson sidecar windshield gives ample protection to the passenger without offering too much wind resistance. Its streamline design, as illustrated, makes an excellent appearance from any angle.

The 1936 and 1937 sidecar wind-shield incorporates a sidecar cover which is kept in place by snap-on fasteners. This makes a neat and streamlined combination.

The windshield for the two passenger sidecar, not illustrated, is made in the circular style and is adjustable up or down, and forward or backward.

			Code
11000-30—Sport Windshield for LT and LS (single pass.)		**$15.00**	aziah
11000-36—Windshield for K & LE (1936 & 1937) sidecar		**17.50**	ekowr
11001-X—Circular Windshield complete, for QT (two pass.) sidecar		**20.40**	baaed

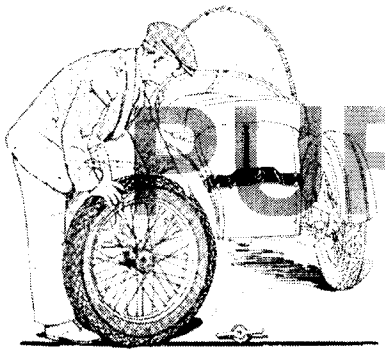
Protects Upholstery



Rain, hot sun or road dust won't have a chance to spoil the upholstery of your sidecar when you've got this Harley-Davidson waterproof sidecar cover fastened down.

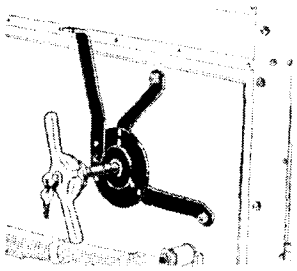
			Code
11019-23—Straight cover for LT single passenger	*	$ **5.25**	bacuv
11019-29—Straight cover for LS single passenger	*	**5.25**	bacyz
11019-36—Straight cover for K & LE single passenger	*	**5.25**	elpur
11021-23—Straight cover for two passenger sidecars	*	**10.00**	badac

Handy Spare Wheel Carrier



On all big twins from 1930 to 1937 the wheels are quickly removable, and are interchangeable. Every sidecar or truck owner should take advantage of this by carrying a spare wheel with tire attached ready to use. Then only a few minutes are required to change wheels in case of a puncture or blow-out.

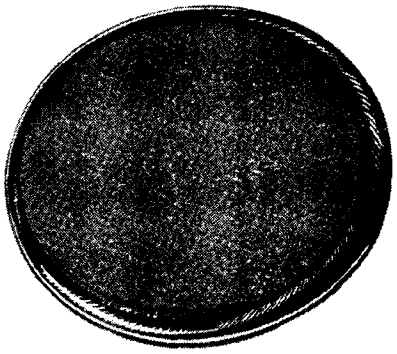
The spare wheel is, of course, a standard wheel with hub, as used on late models. The spare wheel carriers are shown in the illustrations. They are very simple, and rugged enough to carry the spare easily. Both carriers are fitted with locks.



Carrier for Truck Body

			Code
3902-30—Spare wheel, less tire (specify size) 1930 to 1936 74" & 80" twins	*	**$16.50**	ayaay
3951-36—Spare wheel less tire (61" O. H. V. twin and 1937 74" & 80" twins)	*	**17.00**	ejuyx
11004-30A—LT spare wheel carrier	*	**7.00**	backl
11004-36—K with 19" wheel (1936 74" & 80")	*	**7.00**	ellat
11004-36A—K with 18" wheel (1936 74" & 80")	*	**7.00**	ellba
11004-36B—LE (all 61", 1937 74" & 80" twins)	*	**7.00**	ellex
11005-30—QT spare wheel carrier	*	**4.00**	bacij
11004-30MA—Carrier for package truck	*	**7.00**	baesf

Protect the Spare Tire

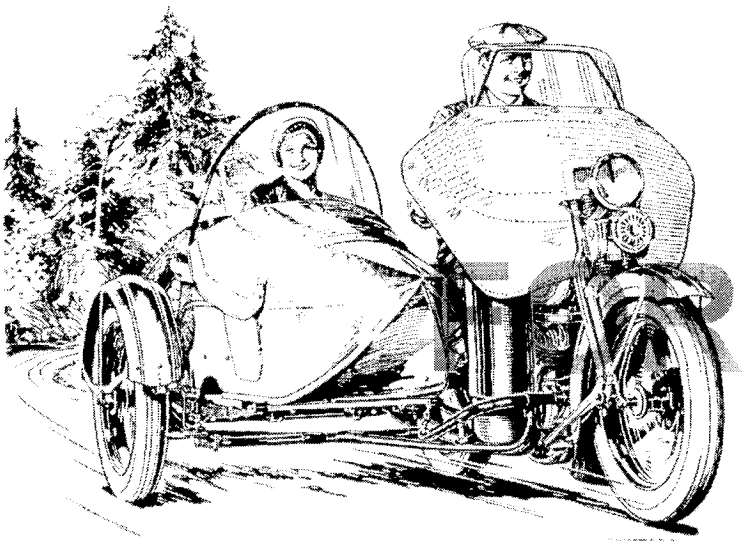


The spare tire should be protected from the sun, and from the dust and dirt. Plenty of space is provided for advertising, etc. Fits snugly and keeps the spare tire in good condition.

			Code
11025-36—Drum style tire cover	*	**$2.50**	bador

FOR RESEARCH PURPOSES ONLY

HARLEY-DAVIDSON WINDSHIELDS



Showing both sidecar and motorcycle windshields. This is an all-weather combination.

With this windshield the rider can keep warm and comfortable the year around. No matter how unfavorable the weather—wind, rain, snow or cold—he is well protected.

The black fabric apron is fastened at the lower end with two springs that keep it in place at all times. The Pyralin is adjustable up or down to suit the individual rider. The metal legshields protect the rider's legs and feet, yet allow plenty of air to circulate around the motor.

Note the simple yet sturdy construction of the Harley-Davidson windshield. All the controls are inside the shield. It gives complete all-weather protection.

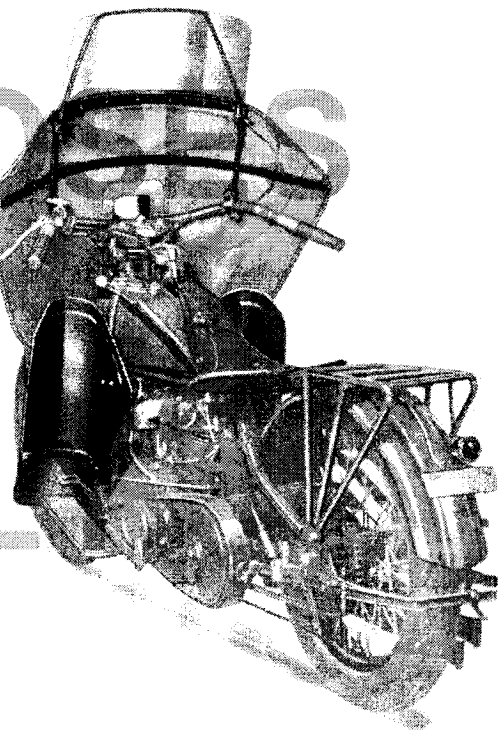
Some riders prefer to use the metal legshields separately, especially when riding solo, or during mild weather. In this way the rider has complete protection for his legs and feet without the extra weight and bulk of the complete shield. These legshields are available for all models from 1925 to 1937.

Motorcycle Windshield and Legshields Complete

11295-X	—1925 to 1929 big twins	$15.00	Code behak
11295-30	—1930 to 1936 big twins	15.00	begve
11295-30A	—1929 to 1931 45" twins	15.00	begyh
11295-30B	—All singles	15.00	begzi
11295-32A	—1932 to 1937 45" twins	15.00	beniz
11295-36	—1936—61" twins with two piece safety guard	15.00	elloh
11295-37	—1936—61" with one piece safety guard and 1937—61", 74" and 80" twins	15.00	embzi
	—Windshield only	All models, except 61", 1937, 74" & 80" twins.	
11294-X	—Windshield, less legshield assembly	11.00	bekuh
11294-36	—Windshield, less legshields for 1936, 61"—1937, 61", 74" & 80"	11.00	ehhre

Legshields Only

11296-X	—1925 to 1929 big twins	$5.50	begaj
11296-30	—1930 to 1936 big twins except 61"	5.50	begis
11296-30A	—1929 to 1931 45" twins	5.50	begkt
11296-30B	—All singles	5.50	begoy
11296-32A	—1932 to 1937 45" twins and servicar	5.50	badgi
11296-36	—1936—61" twins	5.50	ellpi
11296-37	—1936—61" with one piece safety guard, 1937—61", 74" & 80"	5.50	emcak



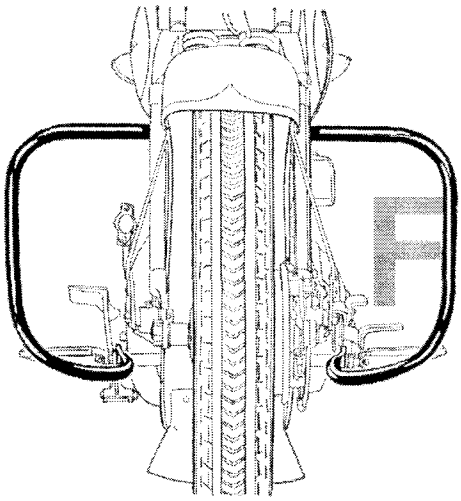
Showing the rear view of the handlebar windshield and legshields

FOR RESEARCH PURPOSES ONLY

Better Than INSURANCE

Insist on

HARLEY-DAVIDSON SAFETY GUARDS



Quickly Attached

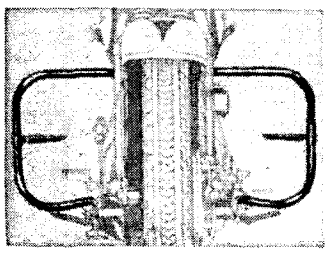
Without question the Safety Guard is the most outstanding accessory ever designed for the motorcyclist. Unbelievably strong, it prevents injury to either rider or motorcycle in any kind of spill or accident. It pays for itself many times over in eliminating repair bills.

The Safety Guard has the unqualified endorsement of every rider who has used it, and the hundreds of letters we receive about the serious injuries it prevents would convince anyone of its great value to the rider.

Endorsements are on file from the heads of some of the largest police organizations, whose records absolutely prove the great value of the Safety Guard. Fully covered by patents.

		Code
13015-X—1930 to 1936—74" & 80" twins	**$3.50**	biwfi
13025-X—1925 to 1929—61" and 74" twins	**5.50**	biyin
13017-26—1926 to 1928—21" singles	**5.50**	brupz
13017-29—1929 to 1934 all singles	**5.50**	boeri
13016-29—1929 to 1931—45" twins	**5.50**	boeme
13020-35—1932 to 1937—45" twins and servi-cars	**5.50**	bwyle
13021-36—1936—61" twins, 1937 61", 74" and 80" twins	**5.50**	ekhma
13015-XH—Henderson Four	**$5.50**	bonop
13015-XJ—1932 and later Indian Four	**5.50**	bosdi

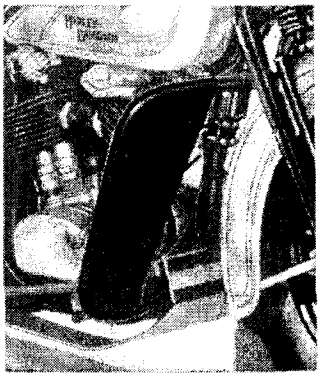
You'll Like These Foot Rests



The rider who takes many long rides will surely appreciate these extra rests for his feet. They clamp around the Safety Guard at the sides, as shown, and enable the rider to change his riding position and still keep full control. They can be placed in any desired position.

		Code
11286-34—Pair Footrests only for safety guard	**$2.00**	burzi

Keep Off the Splash or Cold



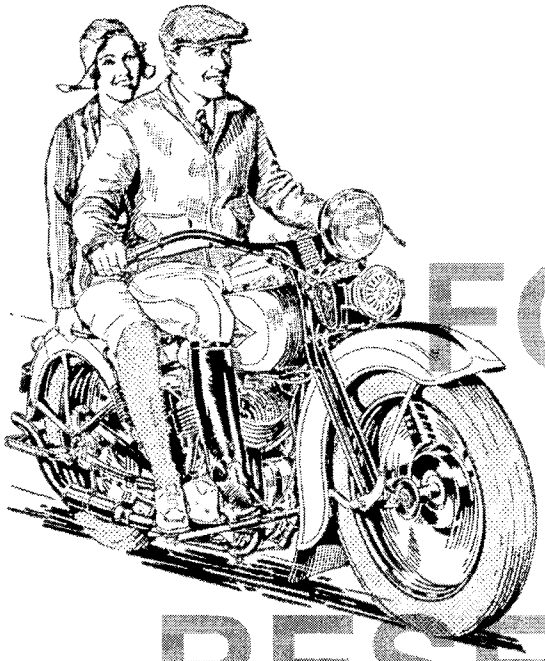
These Splash Shields are designed to slip over any Safety Guard to shield the driver's feet and legs from water thrown up by the front wheel. They are fine on a cold day, too.

The Splash Shields are made from a very strong waterproof fabric that will give long service.

		Code
13050-X—Set Splash Shields for 1930 to 1936, 1937—45" twins	**$3.50**	borko
13050-37—Set Splash Shields, 1937 except 45" twins	**3.50**	corcol

FOR RESEARCH PURPOSES ONLY

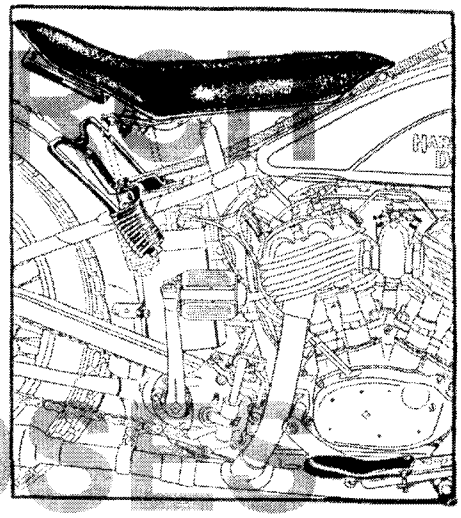
TWO Can Ride on a BUDDY SEAT



Double your riding pleasures. Two can ride safely and conveniently with the Buddy Seat. Share the thrills of motorcycling with your wife, girl friend or "buddy." Thousands are in service.

Passenger sits in rear, out of the way, and will not interfere with driver. This should make the Buddy Seat legal in your community.

With a Buddy Seat you will find it just as easy to handle your motorcycle with an extra passenger as without. Over good roads or bad, at high speeds or slow, you will find a Buddy Seat the the most satisfactory passenger-carrying accessory.



Seat is well cushioned with sponge rubber and covered with full grain, well waterproofed leather, and is practically wearproof. An auxiliary set of springs is provided to compensate for the weight of the extra passenger. Provision is made for engaging or disengaging these extra springs quickly. Separate foot rests and handles are also supplied. Buddy Seat is Harley-Davidson made and guaranteed.

Supplied with support rod footrests.

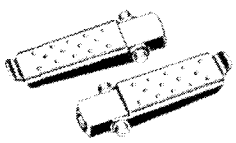
		Code
11240-30—Buddy Seat complete for 1930 to 1936—74" and 80" twins.....	**$11.25**	blaoz
11240-29—Buddy Seat complete for 1929 to 1937—45" twins and C singles....	**11.25**	ekgam
11240-25—Buddy Seat complete for 1925 to 1929—61" and 74" twins.....	**11.25**	bofwo

Supplied with footboard extension footrests.

11240-36—Buddy Seat complete for 1936 and 1937—61" 1937—74" and 80" twins	**11.25**	ekgco
11240-29A—Buddy Seat complete for 1929 to 1937—45" twins and C singles..	**11.25**	enxtz
11240-30A—Buddy Seat complete for 1930 to 1936—74" and 80" twins.....	**11.25**	enxua

Handy Foot Rests

The support rod foot rests as shown in illustration can be put on in a few minutes time. These foot rests are ideal for solo riding with or without Buddy Seat. Many riders prefer them to foot boards for riding comfort. Foot rests are of folding design and may be lifted up out of the way. Fit a pair to your motorcycle.



Support Rod Foot Rests

		Code
11241-30—Foot rest for 1930 to 1936 74" and 80" twins, each....	**$0.75**	ekhbo
11241-29—Foot rest for 45" twins, each....	**.75**	ekhan

Regular equipment on 11240-25, 29 and 30. Does not fit with 11240-36.

FOOT BOARD EXTENSIONS

(as shown above)

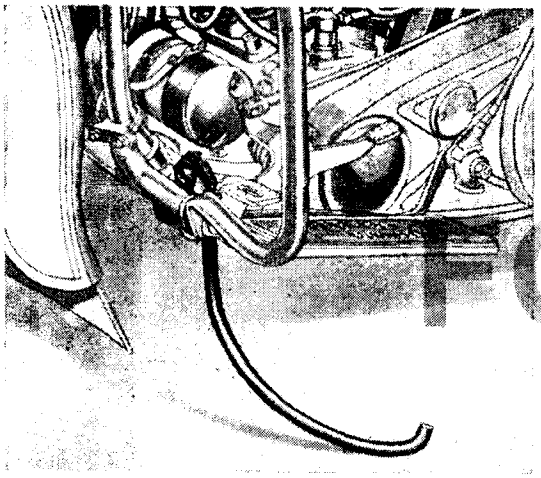
A rigid metal extension that can be fastened to the rear end of the foot board. Adds several inches to its length and provides foot rests for the extra Buddy Seat rider. This extra length is also appreciated by long distance riders as it allows change of position of feet for comfort. Supplied as regular equipment with 11240-36 Buddy Seat. Optional on other models.

		Code
13344-33—Set of foot board extensions ...	**$1.20**	eneyl

FOR RESEARCH PURPOSES ONLY

INSTANT PARKING WITH A JIFFY STAND

The Jiffy Stand supplied for 1930 to 1937 models has a very desirable safety feature. If the rider forgets to kick up the stand when starting, this new Jiffy Stand is designed so that it will immediately fold back into place when striking the ground or any obstruction. Thus the Jiffy Stand will not upset the rider even though he forgets to kick it back into place when starting off.



		Code
11331-X—Fits 1929 and earlier Big Twins with 27" or 28" tires.	**$3.50**	bekdr
11331-27—Fits 1929 and earlier Big Twins with 25" tires....	**3.50**	bekgu
11331-28—Fits 1926 to 1928 singles	**3.50**	bekes
11331-29—Fits 1929—45" twins...	**3.50**	bekan
11331-29A—Fits 1929 singles.....	**3.50**	bekbo
11331-30—Fits 1930 to 1936—74" and 80" twins	**3.50**	bejwi
11331-30A—Fits 1930 to 1934 C singles—1931—45" twins....	**3.50**	bejyk
11331-32A—Fits 1932 to 1937—45" twins	**3.50**	bewba
11331-32B—Fits 1932 to 1934—B singles	**3.50**	bewed
11331-36—Fits 1936-1937 — 61" and 1937—74" and 80" twins..	**3.50**	elkme

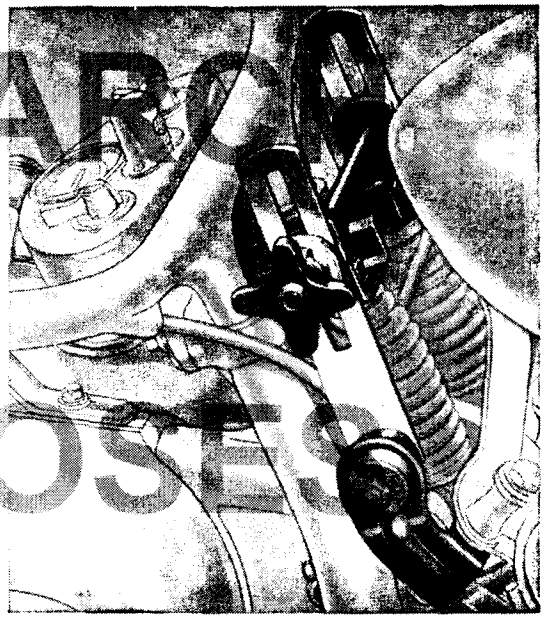
Safety at High Speeds

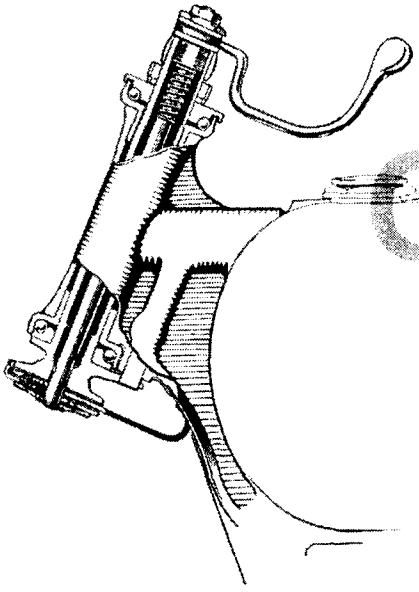
Eliminates Bounce

This Ride Control controls absolutely the action of the front fork springs. The adjusting range enables you—while riding along—to set the Ride Control at any point from a completely free and easy working spring action to a locked and rigid fork.

Just turning the hand wheel adjusts the spring action to the road you are traveling. All the bounce is taken out of the front wheel, and you can travel safely at high speeds on roads that are otherwise too rough for fast riding. Fits all 1931 to 1935 twins and C singles and all 1930 models equipped with a single headlight.

		Code
11250-30—1931 to 1936—45", 74" and 80"; 1937—45" twins, 1931 to 1934 C singles	**$5.75**	biwxa
11250-36—1936 and 1937—61", 1937—74" and 80" twins....	**5.75**	ekfop





Stop That Shimmy

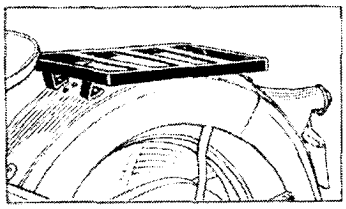
This simple, lever operated steering damper, designed and built by Harley-Davidson engineers for Harley-Davidson motorcycles exclusively, will take all the whip out of steering at any speed. It is particularly desirable for extremely high speed riding, and for sidecar use.

The cross section view at left shows how this well made, neat appearing steering damper is attached. When the lever is moved to the right the tension is increased, and when moved to the left the tension is decreased. It is so designed that the lever will remain fixed at any adjustment desired.

Easy to operate, absolutely safe, cannot lock.

		Code
2776-30—For 1930 to 1936—74" and 80" twins	***$3.00**	aykro
2777-30—For 1930 to 1936—45" twins C singles	***3.00**	aykir
2776-36—For 1936 and 1937—61", 1937—74" and 80" twins	**3.00**	ejjix
2776-37—For 1937—45" twins	**3.00**	enwel

New Flat Carrier Is Handy

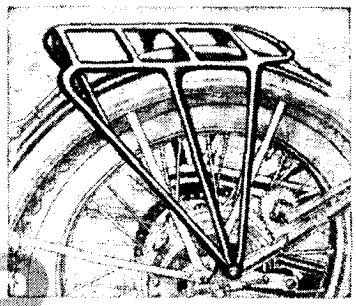


This new style flat luggage carrier is extremely sturdy and rigid. Made of heavy metal formed and welded. Strong brackets permit it to be fastened directly to rear mudguard. Provides ample carrying space and is very handy and efficient for stowing luggage and camping equipment for extended trips.

Supplied in black only.

		Code
2818-36A—Luggage Carrier	**$3.00**	elkia

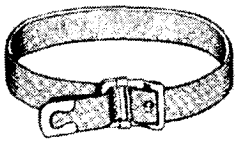
Regular Luggage Carrier



Designed by our engineers and built in our factory. It is extremely strong and durable and has a carrying space measuring 8 x 14 inches. Can be furnished in any of our regular colors. Specify color wanted.

		Code
2818-17—For big twins	***$5.00**	ajvel
2818-26—For single and 45" twins	***5.00**	arsal

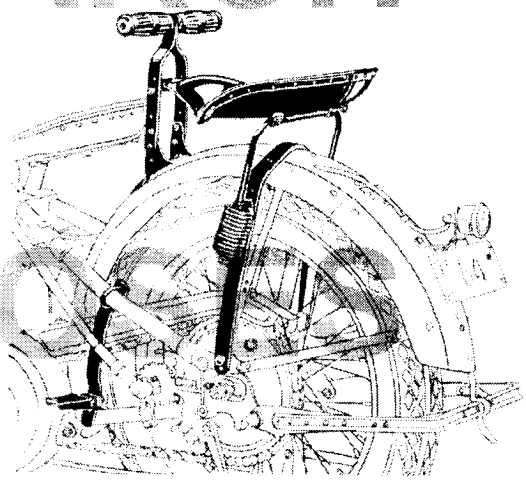
Strap on That Package



Strap is full width, ⅞ of an inch wide. Made of strong, pliable olive drab webbing. The buckles give instantaneous adjustment.

		Code
11290-X—⅞" by 48"	**$0.25**	begra
11291-X—⅞" by 60"	**.30**	begud

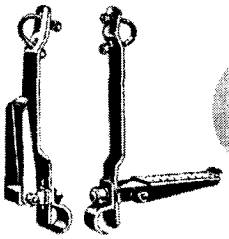
The Best Balanced Tandem



The simple Harley-Davidson tandem was designed particularly to give easier riding comfort for the passenger and easier handling for the driver. The seat centers over the rear axle and is adjustable up or down to suit the load. Spring tension is also adjustable.

11235-36—To fit 1936 and 1937 —61", 1937 -74" and 80" twins	**$14.50**	elkog
11235-34—To fit 1934 to 1936 74" and 80" twins	**14.50**	byhot
11235-34A—To fit 1934 to 1937 45" twins	**14.50**	bylpu
11235-30—To fit 1926 to 1933 74" twins	**14.50**	belth
11235-30A—To fit 1926 to 1933 singles and 45" twins	**14.50**	belni
11235-30B—To fit 1925 to 1929 74" twins	**14.50**	belym

Tandem Foot Rests



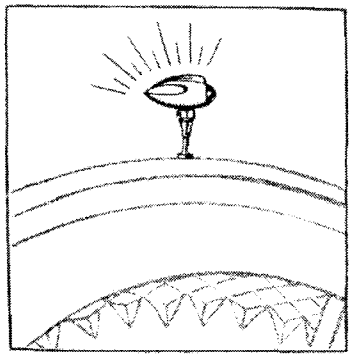
These strong folding footrests are adjustable to fit any model and make a safe, comfortable place for the passenger's feet. Footrests can be folded up, out of the way, when not in use.

		Code
11286-30—Pair Footrests	**$2.75**	belet

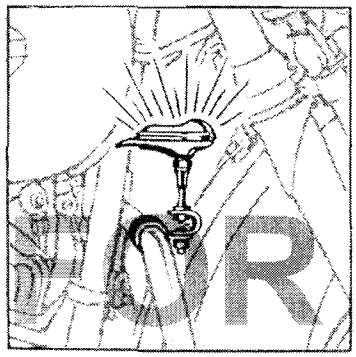
FOR RESEARCH PURPOSES ONLY

Something New!

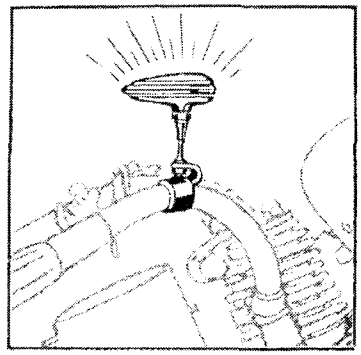
NOVEL MARKER LIGHTS



Yellow



Red



Onyx

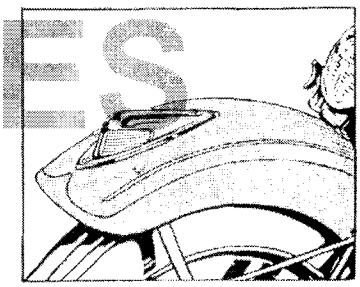
These very attractive marker lights will prove very popular with motorcycle riders. Can be installed very easily on safety guards, handlebars, fenders, or anywhere to suit the taste of the rider. Can be used as marker lights and are very effective as parking lamps.

These novel marker lamps are made of a translucent body, chromium trim, and are beautifully streamlined. No words can adequately describe these lamps. They must be seen to be appreciated. Each lamp is supported upon a chrome finished standard or pedestal, threaded and fitted with fastening nut. This allows lamps to be fitted on fenders or other flat surfaces. Simple and practical brackets can be supplied to fasten lamps to safety guard, handlebars or other tubular surface. Brackets are adjustable allowing lamps to be mounted in an upright position. Available in three striking colors, Yellow, Red and Onyx.

		Code
11405-37A—Yellow marker light with wire (less bracket), each	**$0.75**	eoepe
11405-37B—Red marker light with wire (less bracket), each	**.75**	eoesg
11405-37C—Onyx marker light with wire (less bracket), each	**.75**	eoeth
11407-37 —Mounting bracket, each	**.25**	eoeui

Buy pairs for real beauty.

New Chrome Plated Fender Light Is Snappy



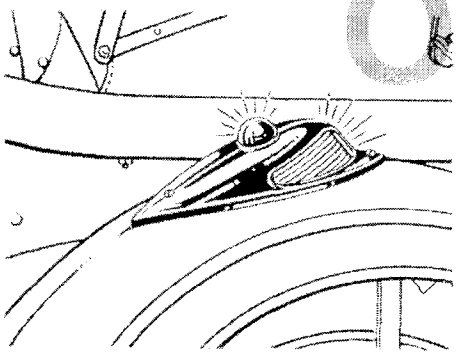
Without a doubt this is the most attractive fender light and ornament ever made for a motorcycle. Graceful, streamline design and finished in chromium plate. Nearly 8 inches long. Fitted with frosted glass.

Adds very much to appearance of old or new machines—dresses up the whole job.

Strong and durable—will give satisfactory service.

Furnished with or without wire and copper conduit. Easily attached. Every rider wants one of these fender lights.

		Code
11400-34—Lamp and wiring	**$1.95**	bwefe
11401-34—Lamp less wiring	**1.50**	bweod



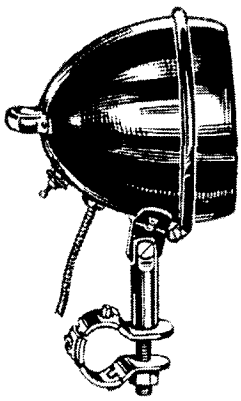
New Sidecar Fender Light

Here is a new sidecar fender light to match the front fender light. Same general appearance as front fender light except it is fitted with RED beehive lens for rear light. A real classy and useful light. Can be seen from long distance either front or rear. Makes sidecar driving more safe. Frosted front lens prevents glare—does not interfere with driver.

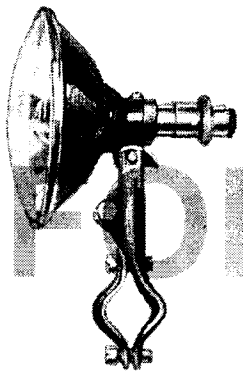
		Code
11410-35—Lamp only	**$2.00**	bypgh
11411-35—Lamp and wiring for LT, LS and K sidecars	**3.00**	bypzl

REPRODUCED FOR PURPOSES ONLY

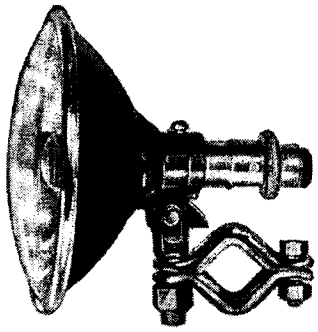
SPOTLIGHTS... *Show the way*



"Little Beauty"



"Little King"



"Competitor"

KAY-BEE SPOTLIGHTS have given satisfactory service to motorcycle riders for years and need no detailed description. They are light, yet strongly made, and give much better light than the ordinary spotlight twice their size.

The new LITTLE BEAUTY is a bullet shaped lamp that matches well with the bullet headlights on later models. It is well made, has a new on and off switch in the lamp body, and is fitted with a very sturdy bracket.

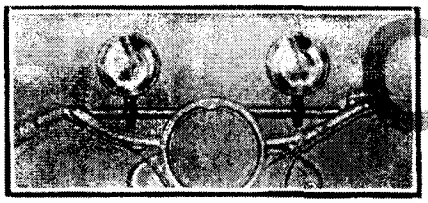
The LITTLE KING and COMPETITOR models are the same as heretofore supplied. Fitted with a switch in the handle. Small and light, yet very efficient. The only difference between these two popular models is in the brackets, as shown in the illustration above.

The Harley-Davidson SPOTLIGHT SWITCH, shown below at right, is an on and off switch very much like the regular handlebar light switch used on 1929 and later models. Mounts just opposite the handlebar light switch or at any other point on the handlebar. Supplied with wire.

			Code
*11366-30	Little Beauty spotlight	*$5.00	benof
*11366-X	Little King spotlight	*3.50	benja
*11367-X	Competitor spotlight	*3.50	benne
11370-29	Harley-Davidson spotlight switch & wire	* 1.25	bensi

*Supplied in full chrome plate for $1.00 extra.

Switch and Wires



In Pairs with Crossbars

The best way to buy spotlights is to purchase an entire assembly of two spotlights, handlebar crossbar, toggle switch and wiring. These combinations are sold as follows:

With Clear Lenses

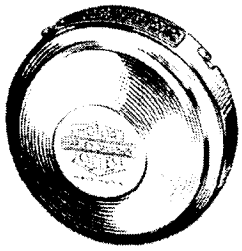
			Code
11368-XW	Little King spotlights and crossbar	$10.50	bojbe
11368-30W	Little Beauty spotlights and crossbar	13.00	bojli

With full chrome plated lamps $2.00 extra.

With One Red Lens (For Police Service)

11368-XP	Little King spotlights and crossbar	$11.00	bojek
11368-30P	Little Beauty spotlights and crossbar	12.50	bojff

HARLEY-DAVIDSON AIR CLEANER SAVES MOTOR



This Harley-Davidson designed and built cleaner is neat and efficient. A special metallic filler is packed inside the cleaner housing. Hence, this cleaner is easy to "clean". Keeps harmful dust and dirt out of motor. Constructed so as not to materially affect top speeds. Most cleaners "choke" top speeds. Contained in beautiful chrome plated housing. Fits 1925 and later models using DeLuxe or Linkert carburetors. Users are enthusiastic boosters. Instructions on each air cleaner.

		Code
1404-35—Harley Davidson Air Cleaner	*$5.00	egblo

Light Up Your Old Speedometer

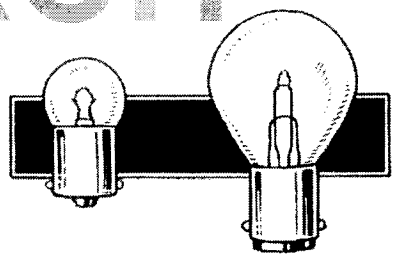
A speedometer lamp makes the speedometer just as useful at night as it is in the daytime. A turn of the simple switch floods the face of the speedometer with light. This speedometer lamp, with its special bracket, is designed particularly for Harley-Davidson motorcycles and is supplied with the necessary wiring and terminal to attach. The lamp is heavily chrome plated.

For 1936 and earlier models.

		Code
11430-28—Lamp and wiring complete	*$1.50	beuhe
11433-X—Bracket complete	* .20	beuol
11430-X—Reflector or shield	* .20	beuxu
11436-X—Switch lever	* .10	bepex
11437-X—Connector plug	* .25	bewfe

Use the Correct Light Bulbs

NOTE: 4927-15 and 4925-31 are bulbs specially constructed to withstand a lot of road vibration and should not be confused with the ordinary bulb.



Part No.	Contact	Voltage	Power	For		Code
4567-29—	Double	6-8	2	1919 to 1936 switch panel	*$0.13	betaw
4925-20—	Single	6-8	21	1920 to 1925 headlights	* .23	aoeum
4925-26—	Double	6-8	21	1926 to 1928 headlights	* .25	aorut
4925-29—	Double	6-8	*21-31	1929 and 1930 headlights, double filament	* .25	avnwe
4925-31—	Double	6-8	32-21	1931 to 1934 headlights, double filament	* .38	ealks
4925-35—	Double	6-8	21-32	1935 to 1937 headlights (pre-focused)	* .45	egbeh
4927-15—	Single	6-8	2	Dimmer, tail lamp, speedometer lamp, side-car lamp, parking lamp	* .42	aoewo
5058-34—	Double	6-8	21-3	Stop and tail light	* .35	efswo
11195-34—	Screw	6-8		Speedometer internal light and marker lights	* .09	byxey

Advertise!

Your Name, Number, or Club Lettering

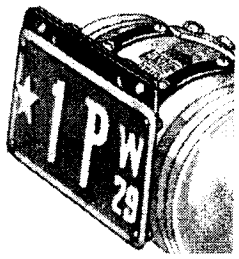
These name or number plates are made of heavy sheet steel with a glossy enamel finish and are suitable for the fastening of license plates for any advertising purpose.

		Code
11337-X—Front number plate	*$0.90	bekre
11340-X—Rear number plate	* .60	bekyl
11337-35—For use with front fender light	.90	ebed

Front License Mounting

Some states require motorcycles to carry both front and rear license plates. If this is true of your state, you will want one of these neat, strongly made brackets.

They are easily and quickly attached to any model with the tool box in front.

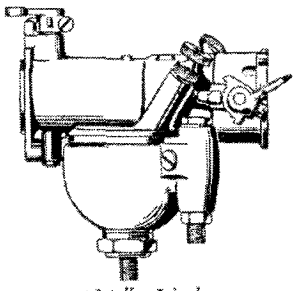


		Code
11343-X—For 1925 to 1930 models	$0.75	belfu
11343-31—For 1931 to 1936 models, 1937-45" twin	.75	benuj
11343-36—Front license plate holder, 1936-61", 1937 61", 74" and 80"	.75	eody

FOR RESEARCH PURPOSES ONLY

MORE POWER and SPEED

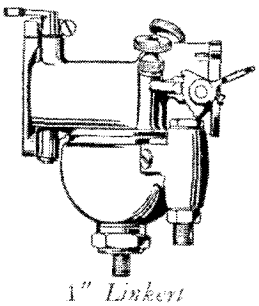
LINKERT IMPROVED CARBURETORS



1¼" *Linkert*

Here is a brand new, improved carburetor that every rider will be interested in. It is *the conventional straight* tube type, but is greatly improved in construction over any previous models. The Linkert carburetor is all brass, and will last a lifetime.

The float size has been increased to insure more positive action; the float needle valve is positively guided. Every part is made carefully of the highest grade of materials. They are separate needles, of course, for high and low speed adjustments.



1" *Linkert*

For better all around performance, plus gasoline economy, buy a new Linkert for your motorcycle. The following carburetors are available:

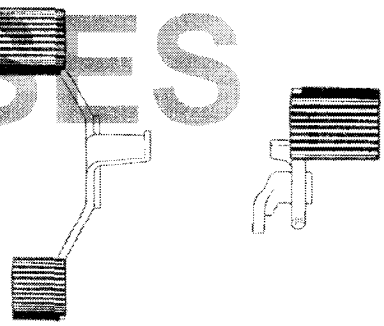
			Code
1133-27	—For 1927—61" and 74" twins	**$12.50**	egewa
1133-28	—For 1928 and 1929—61" and 74" twins	**12.50**	asdzu
1133-29	—For 1929—45" twins	**14.50**	aunek
1133-30	—For 1930 to 1935 Std. RL—45" twins, 1930 to 1933—74" commercial motors	**12.50**	axetu
1133-36	—For 1936 to 1937 R, W. & servi-cars	**12.50**	eljev
1134-30	—For 1930 to 1933—74" twins except commercial, 1930 to 1936 DLD & RLD, 1936 RL	**12.50**	awwri
1134-33	—For 1933 VLD, 1934 to 1936 74" twins, 1935—45" W. & WLD	**12.50**	edevy
1134-37	—For 1937—74" twins	**12.50**	emopm
1134-35	—For 1935 and 1936—80" twins	**12.50**	einog
1134-37A	—For 1935—80" twins	**12.50**	emoso
1134-36	—For 1936 and 1937—61" twins	**12.50**	einri

SPECIAL EXCHANGE OFFER

Through special arrangements with the manufacturers, we are prepared to make a special exchange offer on Linkert Carburetors. If you return to us (or to your dealer) your old carburetor, we (or your dealer) will exchange it for any BRAND NEW LINKERT CARBURETOR listed above at a cost of only $9.00. Take advantage of this very special offer to get a brand new, improved carburetor at low cost.

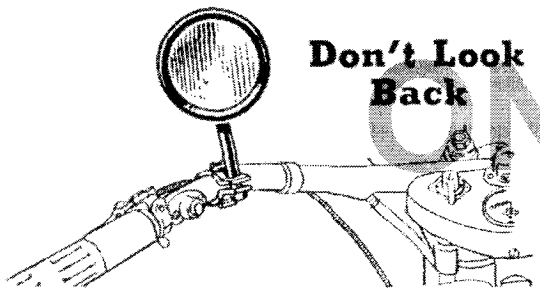
Durable "Surefoot" Pedal Rubbers

These corrugated rubber pads for clutch and brake pedals are very comfortable. They are molded so they fit tightly over the pedals and usually are just pushed on, and they stay in place. For additional security they can be put on with shellac. They will wear a long time and add to your comfort and pleasure.



			Code
11791-X	—Set foot pedal rubbers	**$1.00**	bluot
11791-XA	—Black pedal rubber only	**.40**	booce
11791-XB	—Front clutch pedal rubber only	**.40**	booeg
11791-XC	—Rear clutch pedal rubber only	**.30**	booya

Don't Look Back

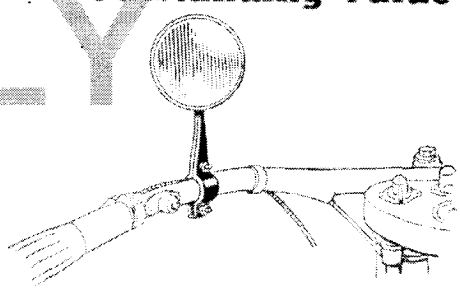


With this de luxe mirror there is no need to look over your shoulder—you can ride with your eyes ahead.

Very substantially made with black enameled steel frame and bracket and 4" mirror glass. A ball and socket joint gives adjustment to any desired angle.

			Code
11350-X	—Mirror complete	**$2.00**	bemap
11350-XP	—Above chrome plated	**2.60**	eltfe

An Outstanding Value

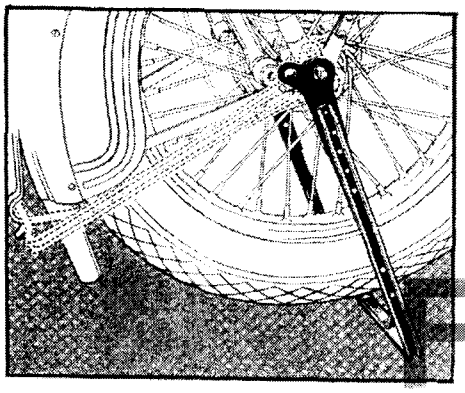


An inexpensive handlebar mirror that will give good service. Good, clear mirror, well supported. You'll like this model. Worth much more. Each mirror has the new, no-glare lens.

			Code
11350-34	—Mirror complete	**$1.00**	bylaf

FOR RESEARCH PURPOSES ONLY

FRONT STAND IS CONVENIENT



This front stand is very useful when the front wheel must be taken off, fixing tires, changing tubes, etc.

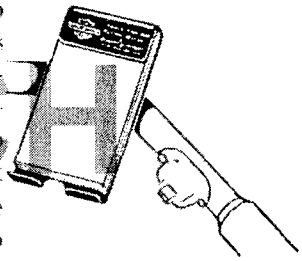
			Code
3001-25	1925 to 1929 big twins	**$3.00**	bykho
3001-26	1926 to 1929 singles, 1930 to 1934 B singles	**1.50**	bykip
3001-29	1929 45" twins	**2.00**	bykmu
3001-30	1930 to 1933 big twins	**3.00**	bluae
3001-30A	1930 to 1934 C singles, 1930 to 1933 45" twins	**3.00**	bluei
3001-34	1934 to 1936 74" twins	**3.00**	efmes
3001-34A	1934 to 1937 45" twins	**3.00**	efmgu
3001-36	1936—61", 1937—61", 74" and 80" twins	**3.00**	ejkyn

Ideal Crossbar

One of these handlebar crossbars provides the ideal mounting for that spotlight and other items. It is made from steel tubing with four rounded grooves formed in the steel. Each groove is lacquered in a bright color and the rest of the crossbar is a highly polished chromium plate. This combination makes a beautiful job that is light but very strong.

			Code
11359-XB	Handlebar crossbar	**$4.00**	bendu

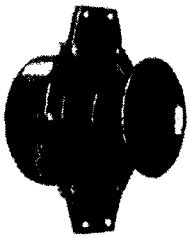
Memo Pad Is Useful



The handy memo pad and holder is a very handy accessory for the commercial driver to use for his list of calls, for the Mounted Officer to list stolen car numbers, etc., or for route lists on an endurance run or a long trip. Mounts nearly anywhere on the handlebar so it can be seen easily when you drive along.

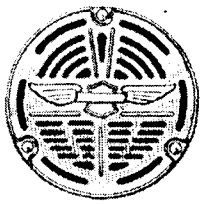
			Code
11795-X	Memo pad complete	***$0.50**	boayl
11795-XA	Paper Refill	**$0.05**	blofe

These Horns Clear the Way



4801-29

A horn is only of value when it gives instantaneous response to the will of the motorcyclist. These excellent horns, used as standard equipment on Harley-Davidsons, have proven their worth. They are reliable. You can depend on them to give their clear, pleasant, but penetrating warning signal when needed. Both horns are of the vibrating type and will stand up well in hard service.

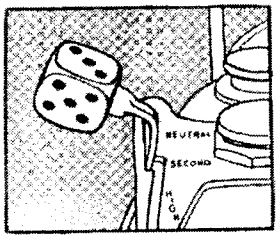


4801-31

			Code
4801-31	Remy No. 16 horn for 1931 to 1937	**$2.75**	cajin
4801-29	Klaxon for 1929 and 1931 big twins	**2.00**	aykin
4801-29A	Klaxon for 1929 and 1930 single and 45" twin	**2.00**	aykou
4801-26	Remy No. 16 horn and fittings for 1926 to 1928 singles	**4.00**	anyiu

FOR RESEARCH PURPOSES ONLY

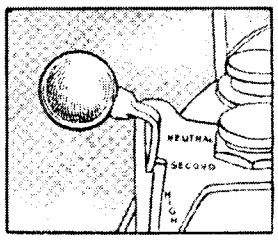
COLORFUL SHIFTER KNOBS



Dice Shift Knob

These beautiful gear shift balls will fit any 1931 to 1935 style gear levers. For older models it is a simple matter to fit one of the new levers to which any style ball can be fitted.

The DICE SHIFTER KNOBS are very attractive and will get attention everywhere. They are made from an almost unbreakable onyx-like material, with the spots pressed in. Offered in three very good looking colors: Red, white and yellow. The spots are black.



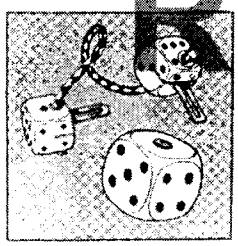
Round Shift Knob

The ROUND SHIFTER BALLS are also made from the same tough material. Available in four very good looking colors: Red, white, yellow and blue. They are just the right size.

		Code
11783-31—Round shifter ball (specify color)	**$0.60**	burnd
11784-31—Dice shifter knob (specify color)	**.65**	burve

Riders Like These Matched Sets

SPECIAL DICE SET

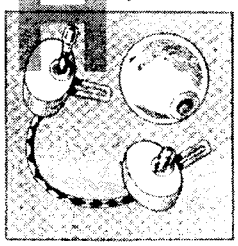


Dice Knob and Key Set

You can order shifter knobs and fancy switch keys in sets of matched colors that will just suit the color of your motorcycle. This is the best way to order, as they will match each other perfectly. Be sure to specify color wanted.

		Code
11780-XB—Set of dice keys and shifter knob (Colors of the above: red, white or yellow).	**$1.50**	bluju

SPECIAL ROUND SET



Round Knob and Key Set

		Code
11780-33B—Set of key knobs and round shift ball (Colors of the above: red, white, yellow, blue).	**$1.35**	bouth

RESEARCH PURPOSES ONLY

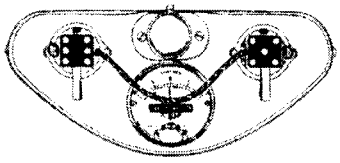
Fancy Linked Switch Keys

Every rider likes to use fancy switch keys, because they are so prominent and show up so well. Those we show here are made from our own standard switch keys, and we know that they are OK in every respect.

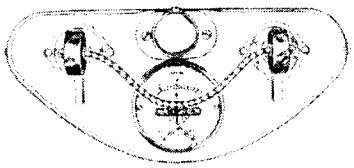
The KEY KNOBS are made of an onyx-like composition that does not break and is not inflammable. The knobs are connected by a multi-colored, braided leather strap. They come in FOUR beautiful colors: clear onyx, blue, yellow and red. Specify colors wanted when ordering.

DICE KEYS have always been very popular. They are composition dice, mounted on regular switch keys, and connected by a genuine leather, braided strap of several colors. Supplied in red, yellow and white.

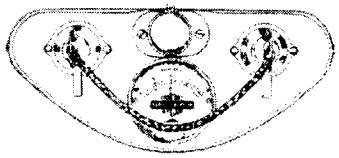
LINKED KEYS cost so little more than a pair of standard switch keys, that it hardly pays for any rider to buy keys only. The set consists of two standard switch keys connected by a braided leather strap made of several colors.



Dice Keys 11780-34



Key Knobs 11780-33

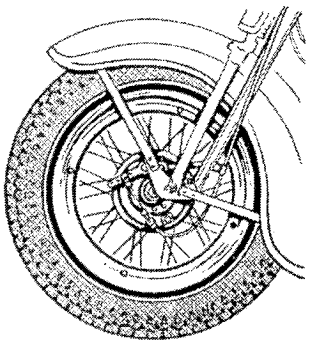


Linked Keys 11781-X

		Code
11781-X—Linked keys	**$0.30**	bonxi
11780-34—Dice keys (specify colors)	**.90**	burra
11780-33—New key knobs (specify colors)	**.80**	bluko

NEW! CHROME PLATED WHEEL RINGS

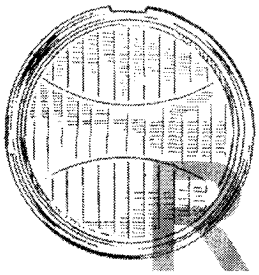
At last—chrome plated wheel rings made especially for motorcycle wheels. These attractive rings add class and zip to the appearance of any motorcycle, regardless of age or color. Easy to attach, only 4 screws and spacers being used. Easy to keep clean. Every motorcyclist will want a set of these classy wheel rings. Made for 18" and 19" drop center rims.



Chromed Wheel Rings Are Classy

		Code
11265-36—Set wheel rings, 19" rims	*$5.00	eluid
11266-36—Set wheel rings, 18" rims	5.00	elnui

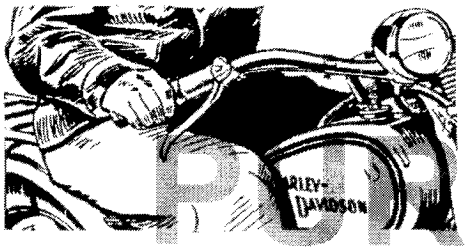
Correct Lenses for Good Lighting



The diffusing lenses following are the same as used on standard equipment at the factory. They will give excellent light where you want it on the road.

		Code
4906-29—4½" diffusing lens for 1929 and 1930 (bullet type lamps)	*$1.00	avmub
4906-29A—Clear lens for 1929 and 1930 (bullet type lamps)	.50	ayjho
4906-31—Diffusing lens for 1931 and 1932	1.00	eakna
4906-31A—Clear lens for 1931 and 1932	.75	eakye
4906-33—Diffusing lens for 1933 and 1934	1.00	edpui
4906-35—Cycle-ray lens for 1935 to 1937	1.00	egmjy

"Hand Control" Your Clutch



Many solo riders like this auxiliary hand clutch control because it leaves both their feet free for use in traffic or heavy going. The illustration shows the simple lever mounted on the right handlebar which can be used to operate the clutch as effectively as with the usual foot pedal.

The hand clutch control is available on all models except the Big Twin. On the 74 motors, the clutch springs are so strong that a foot pedal is required to properly operate them.

		Code
2555-30A—For 1930 to 1937 45" twins	*$4.50	ayoiv
2555-30B—For 1930 to 1934 C singles	* 4.50	avojw
2555-32—For 1932 and 1934 "B" single	* 4.50	ebwum

Control Wire and Coils

This wire is the same as used in our standard handlebar control wire. It is made from the best music wire available. Packed in one and five pound rolls.

		Code
11360-X—1 lb. roll	$1.15	bemzo
11361-X—5 lb. roll, per lb.	1.00	benar

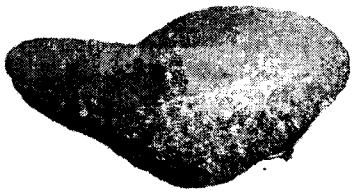
Stranded control wire (same as used on front brake)

		Code
4145-26A—100 ft. rolls or more, per ft.	$0.03	eofap

Covered control coil

		Code
4143-26A—In 25 ft. lengths, per ft.	$0.12	eofeu

SADDLE COVERS ARE POPULAR



These fine saddle covers are very popular. Motorcycle riders, everywhere, are going for them in a big way. Just the thing for that extra increased riding comfort. Made from skins selected for the long thick wool. They are evenly clipped and will not mat down. These saddle covers will fit 1937 and earlier saddles (either Standard or Buddy seat). Available in two grades: DeLuxe and Economy.

DeLuxe covers are reversible and are waterproofed on one side—a very desirable feature. Choice of light or dark colors in long natural wool. DeLuxe covers are individually boxed.

TheEconomy covers are well worth their price. A quality cover in every respect. Not reversible and no choice of colors, must take colors as they come.

		Code
11351-36—DeLuxe standard	**$3.35**	elnyt
11352-36—Economy standard	**$2.70**	elnzu
11353-36—DeLuxe Buddy seat	**4.00**	eloaw
11354-36—Economy Buddy seat	**3.25**	elocy

Ride On A Harley-Davidson Saddle

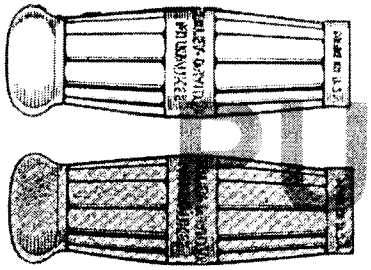
Ride on one of our new 1937 Harley-Davidson rubber cushion saddles. You will agree that it is the finest motorcycle seat made. Designed by our own motorcycle engineers who ride, no effort has been spared to produce a saddle giving the maximum of riding comfort plus stability. You will notice how much easier it is to control your machine, how much more balanced you feel in this saddle.

Has a strong, pressed steel base, with thick sponge rubber padding, covered with real horsehide leather. Will give years of service without losing its softness. Shaped just right for comfort.

		Code
3178-26—With seat bar to fit 1926 to 1934—21 singles	**$8.00**	akmig
3181-25—Saddle only—to fit all other models since 1925	**7.00**	auyia

Colored Grips

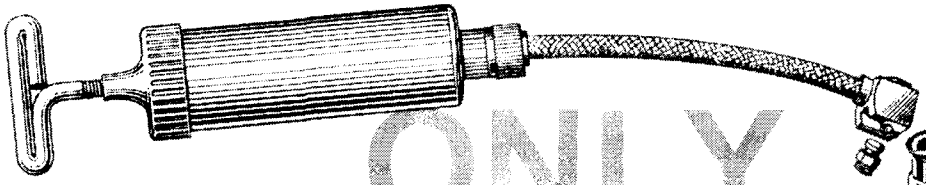
Riders have desired colored grips so much that many of them have used enamel and lacquer on them. This does not work out well because the grip is too flexible and the paint will not stay on.



Now we stock regular rubber grips in white and red. These colors are permanent because the dye is right in the rubber. As they are made in our standard molds they fit perfectly. They are made from a higher grade of rubber than the standard black grips. Fit all except 1935 models.

		Code
3310-09—Standard (black) grip, each	**$0.25**	akyir
3310-09R—Red rubber grip, each	**.30**	edykh
3310-09W—White rubber grip, each	**.30**	edyif
3310-35—White for 1935 to 1937	**.25**	eghfo
3310-35B—Black for 1935 to 1937	**.25**	ejhna

Alemite Gun and Pressure Grease



1 ½ Can

One of the biggest features of the later Harley-Davidson models has been the introduction of the famous Alemite system of lubrication. This system, first instituted into the motorcycle field by Harley-Davidson takes but five minutes to thoroughly lubricate the entire machine and sidecar.

		Code
11661-X—Compressor complete, as shown	**$2.90**	bisyx
11662-X—Compressor only	**1.65**	bisey
11663-X—Compressor leather washer	**.12**	bivac
11664-X—Hose and fitting	**1.25**	bivce
11665-X—Washer for Alemite hose	**.10**	biveg
11666-X—Hex. head screw for Alemite hose	**.10**	bivgi
11667-X—Spring for Alemite hose	**.10**	bivik
11658-X—1 lb. can pressure grease	**.25**	bists
11657-X—5 lb. can pressure grease	**1.25**	bispo

FOR RESEARCH PURPOSES ONLY

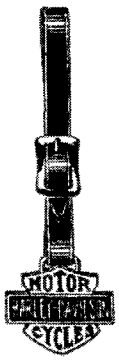
Good-Fellowship Bar Pin

Beautiful bar wing pin two inches wide. Made of heavy metal of golden color which glistens in natural or artificial light. Monogram lettering in red enamel. A most attractive wing pin for helmet or coat lapel. This badge of good fellowship makes an ideal present.

Code

11768-30—Wing pin .....**$0.25** boagu

Hold Your Watch



These new watch fobs take the eye at once, with their attractive colors. They are the shape of the Harley-Davidson trademark with orange and black lettering against a white metal background. They do not tarnish. Each fob is fitted with a good strap and buckle.

11764-X is made of heavy rolled gold and is truly a beautiful fob.

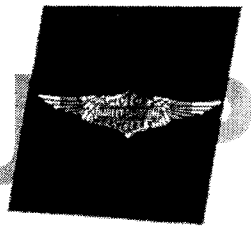
Code

11765-X .....**$0.25** blypy

This Fob in Rolled Gold

11764-X—Gold fob ..... **3.50** boaiw

Silver-Wing Pin



A neat and attractive silver-wing pin 1⅝" long with gold colored embossed monogram. Monogram has black enamel lettering. This is a neat pin for lapel, cap, helmet, jacket or for any bar pin use. The girls like this little silver-wing pin.

Code

11768-X—Silver-wing pin .....**$0.25** blywe

For Club Runs or Vacation

Orange background with black lettering. Long straps for tying on.

The larger pennants are 24 inches long and 9 inches wide; the smaller ones are 13 by 5½.

Code

11771-X—Large pennants .....**$0.35** boadr

11772-X—Small pennants ..... **.25** boaes

Anchor That Tie

A good looking tie clasp to hold your four-in-hand tie in place. The silvery finished spring is highly polished and the gold finished "flying diamond" sets it off perfectly. Makes an ideal gift. Give them to your friends.

Code

11788-35—Tie clasp .....***$0.25** byahc

For Shirt or Jacket

Popular demand prompted us to list the new beautiful Harley-Davidson wing emblem as used on our coveralls. This emblem is of gold and red embroidery on gray felt backing. Ideal for coveralls, shop coats or dark shirts. Full 13 inches wide.

Code

11765-36—13" wing emblem....***$0.75** bycon

11766-XW—Large 8" silver-wing sweater emblem.....* **.50** biwil

11773-X—Small 4¼" helmet emblem .....* **.25** blupu

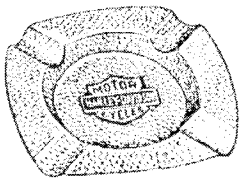
TNT Motor Button

This lapel button is a faithful reproduction of the TNT motor. It is just the size shown in the picture. Has a silver oxidized finish that looks fine. Wear one of these to show everyone that you belong to the big fraternity of motorcycle riders.

Code

11770-34—Motor lapel button...***$0.10** boabo

NEW!
For Home, Office or Club



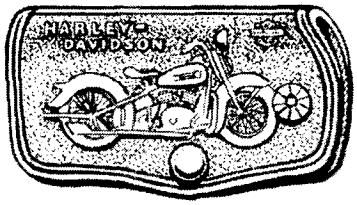
A new, hammered bronze finished ash tray with trade-mark embossed in bottom. One of the neatest ash trays we ever offered. No illustration can do these trays justice.

Code

11769-35—Ash tray .....**$0.35** byaco

FOR RESEARCH PURPOSES ONLY

LEATHER KEY CASE



Here is a dandy key case that motorcycle riders will appreciate. Just the thing for carrying those elusive keys.

Made of genuine leather. Artistically embossed on one side with the name Harley-Davidson, a very small trade mark and a motorcycle in detail. Sufficient space on other side for dealer's name and address, will make this key case an attractive and effective advertising novelty.

Code

11750-37—Key case (without name imprint) ..... **$0.20** eoezu

(Special prices on quantities and imprinting)

FOR RESEARCH PURPOSES ONLY

MECHANICAL PENCIL

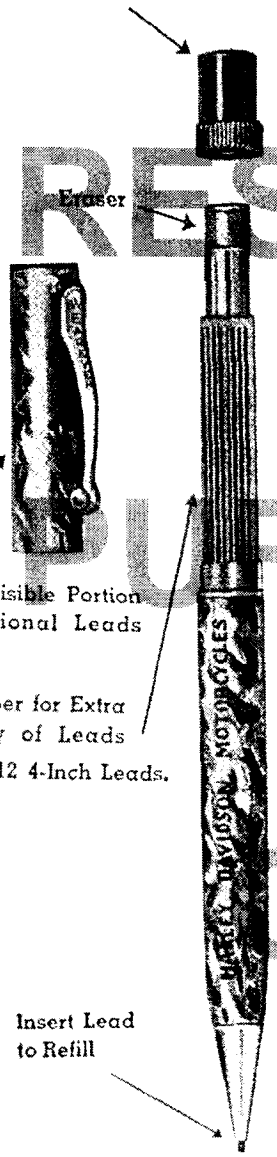
A Good Will Item

The "Rite-Rite" is an excellent mechanical pencil. It is fitted with a four inch lead, an eraser, and a good pocket clip. It is of the propel and repel type. A full length pencil.

The pencils are furnished in an assortment of colors. Each one carries imprint "Harley-Davidson Motorcycles." Makes an excellent good will item for your customers. We can imprint your own firm name (1 line) at an additional cost of $2.00 per 100.

Code

13739-X—Octagonal pencil ..... **$0.15** eiole



Magazine Pencil

MAGAZINE PENCIL

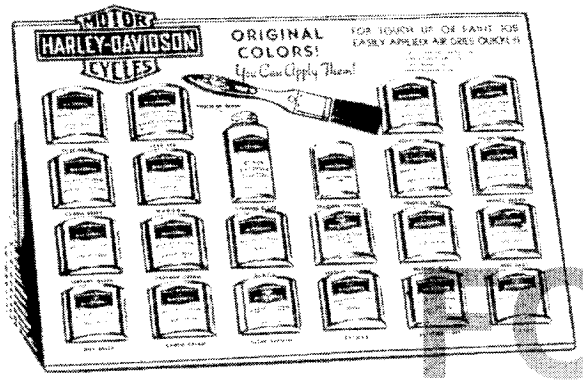
A high grade super pencil of the magazine type, carrying twelve extra 4" leads in barrel. These full length oversize pencils have sparkling barrels of a semi-transparent material in translucent green, red, black and pearl. Gold filled trim. Black bakelite cap over eraser and sturdy ball clip. "Harley-Davidson Motorcycles" imprinted on barrel. A great advertising opportunity.

Code

13738-X—Magazine pencil ..... **$0.50** eiojf

Mechanical Pencil

ENAMELS TO MATCH ORIGINAL COLOR



For touching up scratches, etc., you will want to use the original colors as used by the factory. Then you can match your machine and the damage will not be so noticeable.

For repaint jobs Genuine Harley-Davidson Enamel is best because it is an enamel that has been worked out to give the best possible results on motorcycle parts. The colors listed below are the new quick drying enamel like that used on late models. It is easily applied, dries in just a short time, and has all the wearing qualities of lacquer, and the brightness of enamel.

Dealers everywhere are praising the superb display stand (as illustrated) containing a full assortment of 19 color enamels, varnish, transfer cement, cylinder black, saddle lacquer, and 6 touch-up brushes.

Put one on display and watch your paint sales grow.

			Code
11590-37	Enamel Display Stand	**$9.50**	eoguk

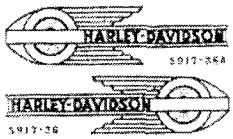
Enamels

Price	**$0.40**		**$0.75**		**$1.40**		**$2.60**		**$9.00**	
Size	¼ Pt. Can		½ Pt. Can		1 Pt. Can		1 Qt. Can		1 Gal. Can	
Color	Part No.	Code	Part No.	Code	Part No.	Code	Part No.	Code	Part No.	Code
Croyden Cream	11616XA	blivn	11616XB	bliwo	11616XC	bliyr	11616XD	bloaz	11616XE	buyhy
Cameo Cream	11617-35A	bwoci	11617-35B	bwoud	11617-35C	bwove	11617-35D	bwoyh	11617-35E	bwozi
Egyptian Ivory	11616-35A	bwuao	11616-35B	bwucr	11616-35C	bwuet	11616-35D	bwufu	11616-35E	bwuix
Royal Buff	11601-36A	ellsk	11601-36B	ellum	11601-36C	ellvn	11601-36D	ellwo	11601-36E	ellyr
Orlando Orange	11625-34A	butmy	11625-34B	buwfu	11625-34C	buwpe	11625-34D	buwiu	11625-34E	buwym
Teak Red	11626XA	binie	11626XB	binni	11626XC	binoj	11626XD	binuo	11626XE	buyev
Maroon	11614XA	blify	11614XB	bliha	11614XC	bliib	11614XD	blile	11614XE	buyja
Nile Green	11613-36A	elmau	11613-36B	elmbv	11613-36C	elmey	11613-36D	elmga	11613-36E	elmic
Olive Green	11595X	bilyr	11596X	bimau	11597X	bimey	11598X	bimga	11599X	bimic
Sherwood Green	11613XA	blezn	11613XB	bliat	11613XC	blibu	11613XD	bliex	11613XE	buyne
Verdant Green	11646XA	bokge	11646XB	bokro	11646XC	boktr	11646XD	bokwu	11646XE	buxti
Police Blue	11612XA	biesg	11612XB	bleth	11612XC	bleui	11612XD	belym	11612XE	buyof
Delft Blue	11628XA	biolh	11628XB	biovr	11628XC	bioyu	11628XD	bipax	11628XE	buxzo
Venetian Blue	11628-35A	bwujy	11628-35B	bwula	11628-35C	bwuod	11628-35D	bwupe	11628-35E	bwusg
Delphine Blue	11628-37A	eobep	11628-37B	eobfr	11628-37C	eobiu	11628-37D	eobmy	11628-37E	eoboa
Seafoam Blue	11601-34A	busoz	11601-34B	buspa	11601-34C	buxue	11601-34D	busyi	11601-34E	buxeu
Sunshine Blue	11645XA	bojol	11645XB	bojso	11645XC	bojur	11645XD	bojyv	11645XE	buxuj
Dusk Gray	11615-36A	elmke	11615-36B	elmoi	11615-36C	elmun	11615-36D	elmvo	11615-36E	elmys
Dawn Gray	11615-35A	bwoaj	11615-35B	bwoov	11615-35C	bwopz	11615-35D	bwora	11615-35E	bwosb
Regent Brown	11629-35A	bwuym	11629-35B	bwuzn	11629-35C	bwyat	11629-35D	bwybu	11629-35E	bwyex
Bronze Brown	11629-37A	enyyf	11629-37B	enzai	11629-37C	enzem	11629-37D	enzgo	11629-37E	enzir
Silver	11647XA	bolji	11647XB	bonrf	11647XC	bonhi	11647XD	bonij	11647XE	buxoe
Copper	11647-34A	bwywo	11647-34B	byaax	11647-34C	byaby	11647-34D	byacz	11647-34E	byada
Black	11607X	bleao	11608X	bleer	11609X	bleet	11610X	blefu	11610XE	buvol
White	11648XA	bipol	11648XB	bipso	11648XC	bipur	11648XD	bipxu	11648XE	buxiy
Clear Varnish	11620X	biomi	11621X	biook	11622X	biosn	11623X	bioto	11624X	bioup

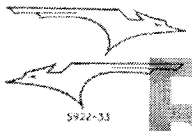
FOR RESEARCH PURPOSES ONLY

TRANSFERS ARE POPULAR

The transfers we supply are the same good looking transfers that are used as original equipment. They are easy to apply with the transfer cement or varnish listed below.



		Code
5917-08—Tank Transfer (large red letters), each	*$0.10	aomno
5917-08A—Tank Transfer (large gold letters), each	* .10	ehpwi
5917-08B—Tank Transfer (small, red, letters), each	* .20	ebpyk
5917-08C—Tank Transfer (small, gold letters), each	* .20	ebran
5919-08—Tool Box Transfer, each	* .05	aomtu
5920-08—Trade Mark Transfer, each	* .05	aomuv
5922-33—Silver, Eagle Head Transfers, pair	* .25	edyli
5923-33—Black, Eagle Head Transfers, pair	* .25	edyol
5917-34—Rt. Tank Transfer (1934 and 1935)	* .20	efpsi
5917-34A—Lt. Tank Transfer (1934 and 1935)	* .20	efpuk
5917-36—Rt. Tank Transfer (1936 and 1937)	.20	ekevf
5917-36A—Lt. Tank Transfer (1936 and 1937)	.20	ekeyl



For Applying Transfers

Transfer cement, or transfer varnish, makes it an easy job to apply transfer properly, without spoiling them. The preparation we supply is made specially for cementing the transfers to the enameled surface, and for varnishing over the surface after they are applied. Can be applied with a small brush, or a cloth, and works rapidly.

Complete instructions for applying transfers are printed on the label.

		Code
11640-X—Transfer Cement	*$0.20	bopil

Touch-Up Brush

An ideal 1" Flat Varnish Brush. Just the right size for applying our Touch-up Enamel as well as for re-enameling, varnishing, or applying our transfers.

		Code
11654-X—1" Touch-Up brush	$0.15	eoecr

Striping Colors

This striping color is the same quality we use in striping sidecars, tanks, guards, etc., in our factory. Put in small tubes ½ by 2½ in.

		Code
11631-X—Maroon	*$0.25	biphe
11634-X—Florentine	* .25	binyt
11633-X—Black (large tubes only)	* .50	bipil
11634-37—Delphine blue	* .35	enzyg
11641-X—Gold, per pkg.	* .50	birec
11642-X—Aluminum, per pkg.	* .60	birge

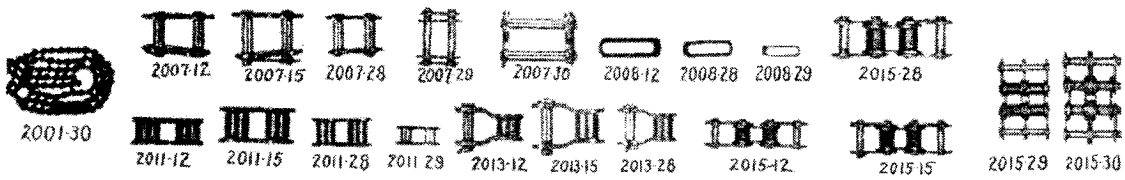
For The First Coat

When re-enameling it is always advisable to remove all the old paint, and start fresh with a good primer enamel. The primer we use and sell is specially recommended, as it seals all the pores of the metal and supplies a good bond coat for the colors to stick to. A good primer adds years to a paint job.

		Code
11617-XA—¼ pt. can primer	*$0.30	busak
11617-XB—½ pt. can primer	* .50	buseo
11617-XC—1 pt. can primer	* .90	busgr
11617-XD—1 qt. can primer	* 1.60	busju
11617-XE—1 gal. can primer	* 5.90	busny

FOR RESEARCH PURPOSES ONLY

Buy HARLEY-DAVIDSON Specification Chain



There is quite a lot of drive chain offered for sale to motorcycle riders that is built primarily for operating machinery of various kinds, or that is surplus chain made up years ago. Most of this chain is absolutely unsuited for present-day high powered motorcycles.

To avoid any difficulty buy cut-to-length chain from Harley-Davidson dealers in sealed packages bearing our "Inspected and Approved" label.

Cut Length Chain — Duckworth

				Code
2001-15	—Front chain ⅝"	**$4.00**	1915 to 1929—61" & 74" twins	ahsih
2001-26	—Front chain ¼"	**3.00**	1926 & 1927 singles	ahsou
2001-28	—Front chain ½" pitch	**3.00**	1928 singles	asfif
2001-29	—Front chain, 100 links	**3.50**	1929 to 1937 singles & 45" twins	aurpa
2001-29A	—Front chain, 102 links	**3.50**	1929 to 1934 singles & 45" twins	ebsix
2001-30	—Front chain, 90 links	**5.80**	1930 to 1937 solo 74" & 80" twins	axefe
2001-30A	—Front chain, 88 links	**5.80**	1930 to 1937 sidecar 74" & 80" twins	axeih
2001-36	—Front chain, 82 links	**5.30**	1936 & 1937—61" solo	eisto
2001-36A	—Front chain, 80 links	**5.30**	1936 & 1937—61" sidecar	eisup
2002-15	—Rear chain ⅝"	**5.00**	1915 to 1937—61", 74" & 80" twins, Servi-Cars, 1935 to 1937 45" twins	ahspo
2002-26	—Rear chain ¼"	**4.50**	1926 & 1927 singles	ahsut
2002-28	—Rear chain ½" pitch	**4.50**	1928 singles	asfli
2002-29	—Rear chain	**4.80**	1929 to 1934 singles, 45" twins	aurue

Cut Length Chain — Diamond

2001-15D	—Front chain, ⅜"x⅝" chain	**4.00**	1915 to 1929—61" & 74" twins	efvsn
2001-30D	—Front chain, 90 links	**5.80**	1930 to 1937 solo 74" & 80" twins	efvvr
2001-30AD	—Front chain, 88 links	**5.80**	1930 to 1937 sidecar 74" & 80" twins	efwax
2001-36D	—Front chain, 82 links	**5.30**	1936 and 1937—61" solo	eisvr
2001-36AD	—Front chain, 80 links	**5.30**	1936 and 1937—61" sidecar	eisyu
2002-15D	—Rear chain, ⅝"	**5.00**	1915 to 1937—61", 74" & 80" twins, singles & Servi-Car, 1935 to 1937—45" twins	efvto

Duckworth Repair Links

2007-12	—Connecting link ¼"	**$0.14**	1926 & 1927 singles	ahukl
2007-15	—Connecting link ⅝"	**.15**	1915 to 1935 twins, 1929 to 1934 sgle.	ahumn
2007-28	—Connecting link	**.14**	1928 singles	asfol
2007-29	—Connecting link, double chain	**.15**	1929 to 1936 singles & 45" twins	aurvf
2007-30	—Connecting link, double chain	**.25**	1930 to 1937—61", 74" & 80" twins	axepo
2008-12	—Connecting link spring	**.05**	1912 to 1932 except 1928 singles	ahuno
2008-28	—Connecting link spring	**.05**	1928 singles, 1930 to 1937—61", 74" & 80" twins	asfso
2008-29	—Conn. link spring (front chain)	**.05**	1929 to 1937 singles, 45" twins	auryi
2011-12	—Roller block ¼"	**.14**	1926 & 1927 singles	ahuop
2011-15	—Roller block ⅝"	**.15**	1915 to 1937 twins, 1929 to 1934 singles	ahupr
2011-28	—Roller block	**.14**	1928 single, 1930 to 1937—61", 74" & 80" twins	asfur
2011-29	—Roller block (front chain)	**.14**	1929 to 1937 singles & 45" twins	ausal
2013-12	—Offset link ¼"	**.30**	1926 & 1927 singles	ahszy
2013-15	—Offset link ⅝"	**.30**	1915 to 1933 twins, 1929 to 1934 singles	ahuab
2013-28	—Offset link	**.30**	1928 singles	asgay
2015-12	—Double repair link ¼"	**.30**	1926 & 1927 singles	ahugh
2015-15	—Double repair link ⅝"	**.40**	1915 to 1937 twins, 1929 to 1934 singles	ahuhi
2015-28	—Double repair link	**.40**	1928 singles	asgca
2015-29	—Double rep. link (front chain)	**.40**	1929 to 1937 singles & 45" twins	aushn
2015-30	—Double rep. link (front chain)	**.60**	1930 to 1937—61", 74" & 80" twins	axeyx

Diamond Repair Links

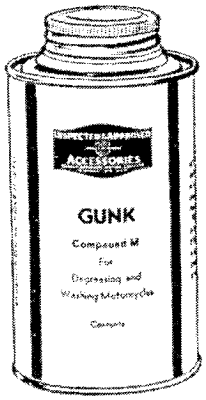
2006-15	—Connecting link, ⅜"x⅝" chain	**.15**	1915 to 1937 twins	byjov
2006-30	—Connecting link (front chain)	**.25**	1930 to 1937—61", 74" & 80" twins	efwez
2008-12	—Conn. link spring, ⅜" chain	**.05**	1912 to 1937 except 1928 singles	ahuno
2008-30	—Conn. link spring (front chain)	**.05**	1930 to 1937—61", 74" & 80" twins	efwda
2010-15	—Roller block, ⅜"x⅝" chain	**.15**	1915 to 1937 twins	byjun
2010-30	—Roller block (front chain)	**.15**	1930 to 1937—61", 74" & 80" twins	efweb
2012-15	—Offset repair link, ⅜" chain	**.30**	1915 to 1937 twins	byjsy
2014-15	—Double repair link, ⅜" chain	**.40**	1915 to 1937 twins	byiyo
2014-30	—Double repair link (front chain)	**.60**	1930 to 1937—61", 74" & 80" twins	efwif

Bulk Chain (*In 25 Foot Rolls*)

11345-12	—Duckworth No. 70 ¼" wide—⅜" pitch—per ft.	**$1.00**	beliy
11345-15	—Duckworth No. 170 ⅝" wide—⅝" pitch—per ft.	**1.00**	belia
11345-28	—Duckworth .305" wide ½" pitch—per ft.	**1.00**	belix
11346-15	—Diamond—⅜" wide, ⅝" pitch—per ft.	**1.00**	buyyo

FOR RESEARCH PURPOSES ONLY

A Real Grease Remover



Nothing else like it! Here is the grease and oil solvent you've wished for. Just apply Gunk, with a brush, to the greasy parts of your motor or frame. Let stand a few minutes—then hose it off. Presto! and you've got a clean job.

Does not damage enameled, lacquered or plated parts. A little goes a long ways, it is economical to use. Use Gunk and your cleaning job is half done. Better, cheaper and safer than gasoline or kerosene. Full instructions on can.

		Code
11728-XA—1 pt. can Gunk....	***80.25**	bwyoh
11728-XB—1 gal. can Gunk...*	**1.50**	bwysk
11728-XC—55 gal. drum		bwyum

Shine Up with "20-Grand"

Works equally well on enamel or lacquer; it can be used on fine furniture. Also polishes glass, nickel or chrome plated surfaces.

You can do the job with "20-Grand" in a fraction of the time required with most polishes. It leaves a glossy, hard finish that does not collect dust easily. Will not injure the fine finish of your motorcycle.

Put up in handy ½ pint bottles.

		Code
11725-XA—20-Grand Polish	**$0.50**	buzas

"Canspout" is Best Oil Dispenser

"The best oil dispenser I ever tried," that's what everyone says after using "Canspout." We tried 'em all before selecting this dispenser to offer you. "Canspout" fits our needs perfectly—drains the quart can without fuss or muss. The switch panel does not interfere.

Just pierce the Harley-Davidson quart oil can with "Canspout" and pour the oil into the tank. You do not have to hold the can while draining! A jiffy job—slick as a whistle.

Many riders buy "Canspout" to keep at home.

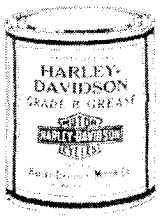
		Code
11719-35—Canspout	**$1.35**	bypwi

"Jiffy" Can Opener

This handy, inexpensive can opener punctures the can for draining. Just hook lip on outer rim of can and lift up on handle—pierces a clean "V" shaped hole for pouring. Owing to location of switch panel it will be necessary to use a small funnel to completely drain the can. Our "Canspout" opener and dispenser does a quicker, neater job.

		Code
11718-X—Quart Can Opener	**$0.10**	bweih

Harley-Davidson Grade "B" Grease



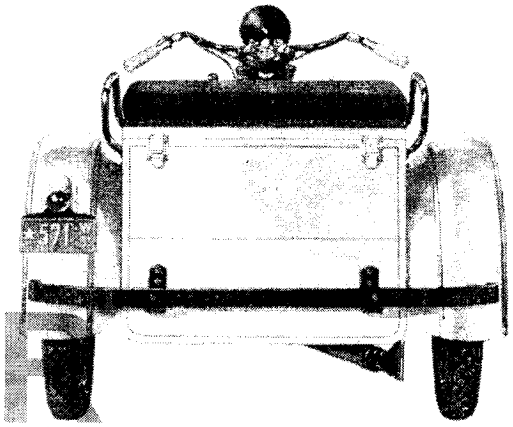
Grade "B" Grease is a high quality cup grease recommended for use where heat and cold resistance are not important factors. Also in bearings where the service is light. Should be used for lubricating upper and lower steering head bearings, fork recoil and cushion springs, sidecar ball joints and seat post springs.

This grease should NOT be used for lubricating generator or transmission bearings.

		Code
11673-X—1 lb. can	***80.50**	bivya
11674-X—2 lb. can	***.70**	bivad
11675-X—5 lb. can	***1.50**	bivch

FOR RESEARCH PURPOSES ONLY

GETTING THE MOST OUT OF SERVI-CARS



Many garages put Servi-Car to its utmost utility by equipping with suitable accessories. These accessories are made by us specially for Servi-Car. They are strong and durable.

Servi-Car equipped with cushion and hand rails offers the fastest and most economical method for carrying men to or from outside jobs.

The rear bumper is a safety feature besides providing a convenient spare tire carrier. Rear bumper also provides foot rest for rear passengers. Garages often call for and deliver spare tires. The body protector keeps a spare tire from rubbing the body besides providing convenient strap holds.

These tried and proven accessories are giving many Servi-Car users better customer service and money-making satisfaction.

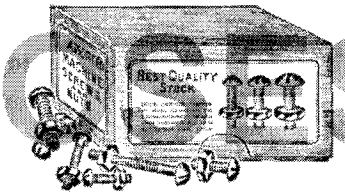
			Code
13000-X	—Seat and bumper cpt. 1932-37 G, GA, GD, GDT	**$18.00**	boumu
13000-XA	—Seat and double-bar bumper cpt. GD, GE	**24.00**	edxyu
13005-X	—Bumper assembly for 1932-37 G, GA, GD, GDT	**7.00**	bouow
13005-XA	—Bumper (double bar) assembly, 1932-37 GD, GE	**10.00**	byxau
7366-32	—Body protectors (spare tire guards) G	**3.00**	efvok
7366-32A	—Body protectors (spare tire guards) GD	**3.00**	efvmi
7358-32	—Seat cushion only 1932-37 model G	* **8.80**	bovgo
7358-32A	—Seat cushion only 1932-37 model GD	**11.00**	efrxo
7354-32	—Hand rail (2 used) 1932-37 G	* **3.30**	boysa
7354-32A	—Hand rail (2 used) 1932-37 GD	* **3.30**	efrul

Best Grinding Compound

Harley-Davidson approved grinding compound is in big favor with many dealers and riders. This ready-mixed compound (fine and coarse grades) is now put up in a 2 ounce combination handy can. This will appeal to riders who grind their own valves. One pound cans (medium grade) recommended for repair shop.

			Code
11720-X	—2 oz. comb. can	* **$0.25**	blapa
11722-X	—1 lb. can (medium)	* **1.00**	blayi

Screw and Nut Assortment



Here is an assortment that should be in every motorcycle and bicycle repair shop. Used on toe clips, bells, mud and chain guard braces, lamps, mechanical horns, license brackets, tanks, etc. The assortment contains one gross round head nickeled screws with hexagon nuts to fit.

			Code
11364-X		* **$1.35**	benky

Holdfast Shellac

The old reliable liquid shellac.

			Code
11692-X	—2 oz. bottle	* **$0.25**	bixwa
11694-X	—1 pint can	* **1.50**	biyaf

Three-In-One Oil

The sterling qualities of 3-in-one oil are well known. Put up in a handy 3 ounce can which is fitted with a special screw top spout.

			Code
11690-X	Per can	**$0.30**	bixpu

FOR RESEARCH PURPOSES ONLY

LUBRICATE WITH CORRECT GREASE

Grade "A" Harley-Davidson Chain Grease

This is an extra fine quality lubricant possessing a very high melting point and an extremely low congealing point. It is especially recommended for oiling drive chains because of its excellent lubricating properties and ease of application. This grease requires no heating or melting and regular application will add many miles to the life of your chains and sprockets.

This grease is especially recommended for use in any ball or roller type bearings that are subjected to high temperature and severe usage. Especially suitable for Rear, Sidecar and Front Wheel Hub Bearings, Generator Bearings, Transmission Bearings, Clutch and Pull Rod Bearings.

This Chain Grease is put up in convenient tubes and cans.

		Code
11688-34—New 5" handy tube (12 in a display box), per tube	**$0.15**	bovwe
11670-X—1 lb. cans	* **.80**	bivsu
11671-X—2 lb. cans	* **1.40**	bivuw
11672-X—5 lb. cans	* **3.10**	bivwy

FOR RESEARCH PURPOSES ONLY

Black Leather Lacquer

Now you can "dress" your saddle or Buddy Seat top to look and wear like new. This is real lacquer, applied with a brush like paint. Just lacquer the saddle top and after several hours you'll be surprised at the wonderful results. The finest saddle preservative you can buy.

		Code
11655-XA—½ pt. black leather lacquer	**$0.40**	bwcon
11655-XC—1 pt. black leather lacquer	* **1.00**	bwepo

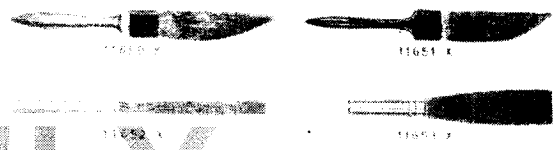
Keep Cylinders Black

Cylinders, mufflers and exhaust pipes can be kept in good condition with Harley-Davidson black cylinder coating. This is a special preparation, made up in our own plant, for renewing the black surface on any part exposed to heat. It costs very little, is very easy to apply, and should be used every time these parts tend to become discolored.

		Code
11649-XA—¼ pint can	* **$0.35**	birro
11649-XB—½ pint can	* **.60**	birsp
11649-XC—1 pint can	* **1.10**	birus

Special Brushes Necessary for Striping

The stripes on a repaint job cannot be replaced unless the proper brushes are available. The following brushes are the same as those used in the factory's production, and will be found suitable for any size stripe we use.



No. 4 Sword Striper. This brush is used for the hair lines on the outside of the wide stripe. In other words, it is used for edging the stripes on the tank, mudguard, sidecar body, etc.

		Code
11650-X	* **$0.80**	bisaz

The Quill Striping Brush is for the ¼" broad line striping on the tool box and mudguards.

11652-X	* **$0.30**	bised

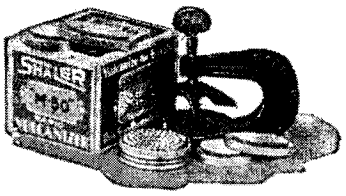
No. 2 Sword Striper. The proper brush to use for the thin hairline stripe in the center of the broad stripe on the tank, mudguard, sidecar body, etc.

11651-X	* **$0.70**	bisba

The Metal Tube Brush is for the ¾" broad stripe, on the tank, mudguard, sidecar body, etc.

11653-X	* **$0.90**	bisfo

"ECONOMY" VULCANIZING IS BEST



Permanently vulcanizes a puncture in just a few minutes. No gasoline or cement to bother with. Anyone can use it anywhere. Outfit includes nickel plated vulvanizer, round and oval patches and heat units.

		Code
11585-36—Set complete	**$0.50**	eloea
11586-X—Round Patches, box of 10	**.75**	bilfy
11587-X—Oval Patches, box of 10	**.75**	bilha

"Sure Stick" Casing Boots

This self-vulcanizing patch forms a permanent, self-sealing repair for punctures, breaks or blowouts. When placed inside the casing directly under the break and applied according to instructions, this patch fills and seals the hole forever. Vulcanizes automatically while you ride. Outlasts the tire. Made in three standard sizes to fit any casing, or any size break.

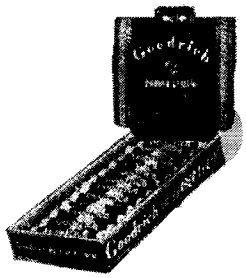
		Code
11582-X—Spot patch	**$0.15**	bikyp
11583-X—Small size patch	**.20**	bilat
11584-X—Medium size patch	**.30**	bilbu

For That Roadside "Fix"

This all rubber patch is supplied in one strip. Supplying the patch in one piece is a great advantage over the usual round or oval patches for it enables the motorcyclist to cut off a piece of the patch to fit the exact size of the puncture or blowout that is to be repaired. Patch stock, together with a tube of cement and a metal buffer, come packed in a round container with a metal top.

		Code
11571-X	**$0.15**	bilyo

Goodrich Rubber Cement



This is a medium, quick - drying pure gum cement put up by the Goodrich Rubber Company. We recommend it for all-around use. Comes in tubes four inches long, 12 to a carton.

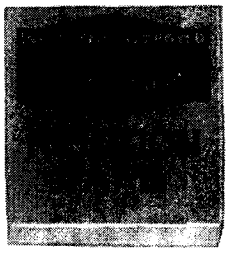
		Code
11576-X—Per tube	***$0.13**	bikia

Schrader Tire Gauge

This genuine Schrader gauge is designed exclusively for use on balloon tires and is of the very latest bar type design. It is graduated in pounds. Comes in neat leather case.

		Code
11562-X	**$1.50**	bihym

Always Carry a Roll

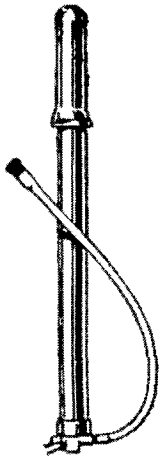


This is a high grade, reliable friction tape, ¾ inch wide, with exceptional adhesive qualities. Wrapped in tin foil and packed in individual cartons to prevent deterioration.

		Code
11572-X—1 ounce roll	***$0.05**	bikas
11573-X—2 ounce roll	***.10**	bikeu
11574-X—4 ounce roll	**.20**	bikew
11575-X—8 ounce roll	***.35**	bikgy

Don't Ride Without a Good Pump

This tire pump is heavily nickel plated. Made of seamless brass tubing with foot attachment. Furnished with spring clips.

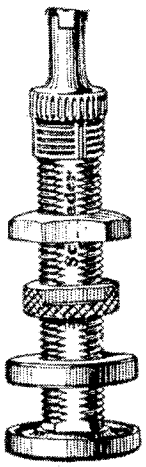


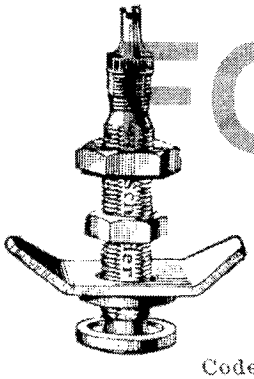
		Code
11553-25—For 1925 to 1936 big twins	***$1.60**	bihao
11553-08—For older models and singles, 45" twins	***1.60**	bigyl
11555-X—Pump hose	***.20**	bihfu
11557-25—Pump clips, large	***.15**	bihjy
11556-X—Pump clips, small	***.15**	bihix

FOR RESEARCH PURPOSES ONLY

Schrader Universal Valves

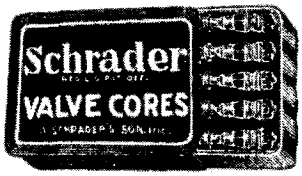
You can easily replace your old valve with this Schrader Valve at any time.





		Code
11567-08—Old Style Valve	**$0.25**	bijja
11567-25—New Type Valve	**.35**	bijne
11566-08—Rim Nut, small	**.03**	bijhy
11566-25—Rim Nut, large	**.05**	bijiz

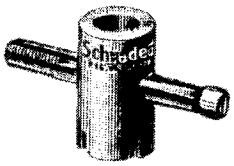
Schrader Valve Insides



For use in all Schrader Tire Valve Stems under high or low pressure.

		Code
11564-X—Each	**$0.06**	bijdu

Schrader Valve Repair Tool



This tool is capable of doing the following repairs on tire valves. Repairs inside and outside thread of valve stem. Smooths down valve cap washer seat on stem. Removes or inserts valve insides. Deflates tube.

		Code
11565-X	**$0.30**	bijev

Schrader Valve Caps

		Code
11563-X—Each	**$0.06**	bijar

"Weed" Traction for Mud or Snow

This genuine Weed Motorcycle Tire Chain is just what you need for bad weather riding. With a Weed Chain on your rear wheel you have sure-footed protection against skidding or getting stuck in muddy ruts and snow drifts. Comes in handy bag ready to attach.

TIRE CHAINS

		Code
11545-27—27" x 3.85"	***$3.30**	biggu
11545-27A—25" x 3.85"	***3.00**	bigiw
11545-27B—26" x 3.30"	***3.00**	biges
11545-30—All 1930 to 1937 models	***2.90**	bifyk

CROSS CHAINS

11546-27—3.85"	***$0.12**	bigky
11546-27B—3.30"	***.12**	bigma
11546-30—4" or 4.50"	***.10**	bigan

CHAIN HOOKS

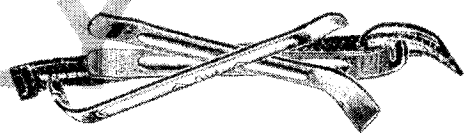
11548-X—Pair	***$0.70**	bigoc

Cylinder Priming Gun

The cylinder priming gun is handy for cold weather starting or drawing gasoline from the tank for other purposes. Fine for repairing inner tubes. Fits 1925 to 1936 tanks.

		Code
3517-25—Cylinder priming gun	***$1.50**	asnyd
3517-36—For 1936—61" and for all 1937	**1.50**	ejpdy

Carry Handy Tire Tools in Your Kit

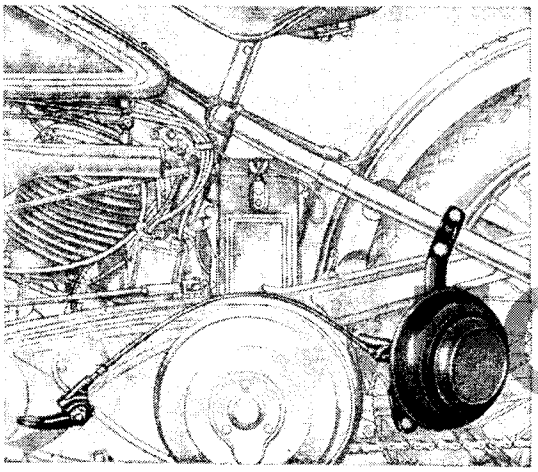


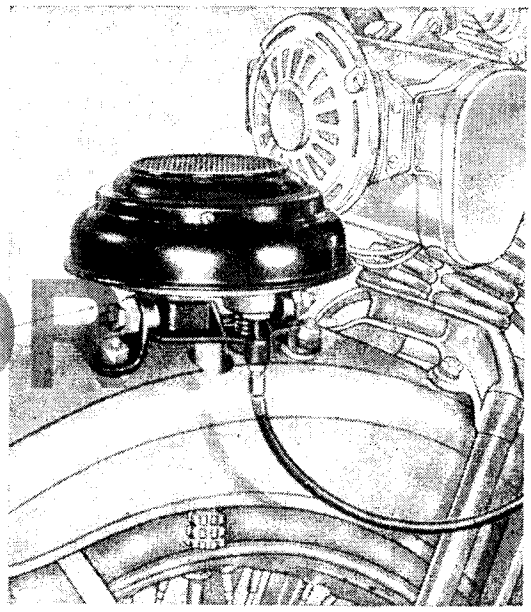
Set consists of three, 7-inch, thoroughly hardened steel tire tools. Specially shaped for motorcycle tires. Packed in a black enameled canvas kit.

		Code
11551-X—Per set	***$0.75**	bigvi

FOR RESEARCH PURPOSES ONLY

THESE SIRENS CLEAR THE WAY





The Harley-Davidson (Sterling) rear wheel siren is a new design that is ideal for motorcycle service. It is extremely well designed and constructed, and we do not hesitate to claim that it will give more satisfactory service than any other siren on the market. It is operated from a simple and convenient heel lever. The tone is ideal for penetrating traffic noises.

Code

11225-32—Rear Wheel Siren for 1930 to 1936—74" & 80" models. **$27.50** badik

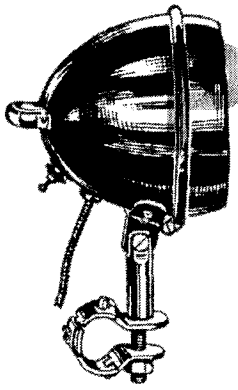
11225-36—Rear Wheel Siren to fit 1936—61", 1937—61", 74", 80" **27.50** enxsy

The front wheel siren is designed for those departments that prefer a siren operated from the handlebar. It mounts on the front mudguard, and is operated from the left handlebar with a lever similar to the front wheel brake lever. The drive is by means of a pulley that makes contact with the front tire when the siren is operated. It operates efficiently at either fast or slow speeds.

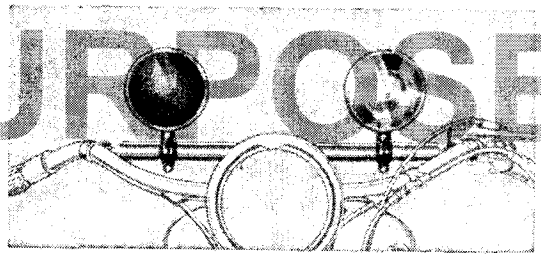
Code

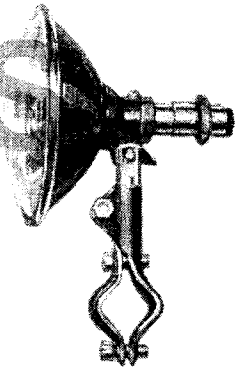
11225-31—Front Wheel Siren for all models ..... **$27.50** beail

Use Spotlights For Pursuit Lights



Little Beauty





Little King

Pursuit lights are rapidly becoming an essential part of Police equipment for vehicles operated at night. They consist of two spotlights: one red and one clear. Both are visible from a great distance and serve to clear the way through traffic for the Police vehicle. They are generally used only when making an emergency run that requires high speed.

Kay-Be spotlights, in combination with the Harley-Davidson crossbar and toggle switch, are ideal for this use. They are small and light, so the motorcycle is not too top heavy for easy handling, but provide more light than many larger spotlights. The crossbar makes a fine mounting and the toggle switch enables the officer to turn on both lamps instantly.

Toggle Switch

Either the Little Beauty or the Little King models work well in this service, and will give satisfaction to the user. Both are well constructed and have switches embodied in the lamps, so one can be turned off if desired.

Code

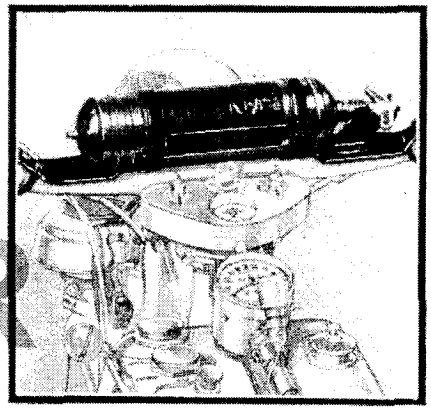
11368-30P—Little Beauty pursuit light assembly, complete ..... **$12.50** bejif

11368-XP—Little King pursuit light assembly, complete ..... **11.00** bojeb

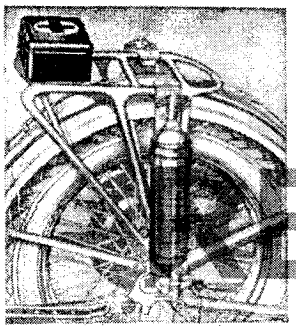
THESE EXTINGUISHERS ARE EFFECTIVE

Stop Car Fires - - Brush Fires

Many city, county and state police departments and highway patrols are equipping their men with Pyrene motorcycle-type extinguishers so that they will be better able to handle automobile fires, brush fires, etc. With this equipment they can put out the fire before it gets a chance to become serious. The saying that "Every big fire was once a little fire" is perfectly true and only tends to emphasize the importance of effective fire fighting equipment for motorcycle police.



Pyrene on Handlebars



Pyrene and First Aid Kit on Carrier

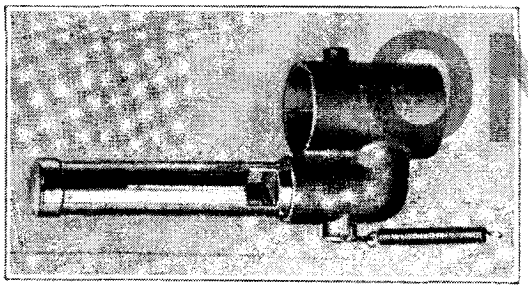
The Motorcycle Type Pyrene Extinguisher we sell is specially constructed for motorcycle service. It is fitted with a special packing at each end that compensates for the jarring the Pyrene gets in motorcycle service, and prevents leakage of the contents. Two special brackets are offered—both made in our factory for motorcycle service.

The bracket for carrying the Pyrene extinguisher on the handlebars supports it securely. It is a combination bracket that will fit either the 1937 or earlier models. See 11355-32.

The bracket for mounting the Pyrene extinguisher at the rear of the motorcycle can be used in several ways. It can be used with or without a luggage carrier, and will also fit models equipped with the saddle bag type radio. Two can be used, one on each side. See 11355-X.

			Code
11356-X	Motorcycle type Pyrene fire extinguisher with bracket for rear end mounting	**$16.00**	benka
11356-32	Motorcycle type Pyrene fire extinguisher with bracket for handlebar mounting	**16.00**	bayol
11355-X	Bracket for mounting on rear	**5.50**	bemoe
11355-32	Bracket for mounting on handlebar	**5.50**	bayli

A Different Police Signal



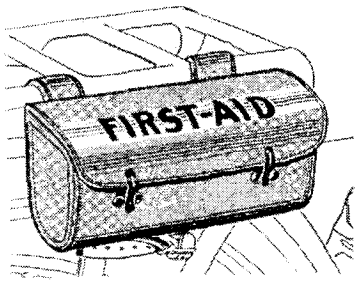
This is a warning signal for the motorcycle police squad that is exclusive and different. It is not a siren . . . not an ordinary exhaust whistle . . . it has a new and different note. Therein lies its chief advantage—it serves to distinguish the motorcycle squad's warning from that of the fire department, the ambulances and the other kinds of police equipment.

The Purdy whistle is simple and economical to install and has proved very satisfactory with departments that have tried it.

			Code
11358-X	Purdy whistle	**$10.00**	bemti

FOR RESEARCH PURPOSES ONLY

PUBLIC FIRST AID EQUIPMENT FOR POLICE

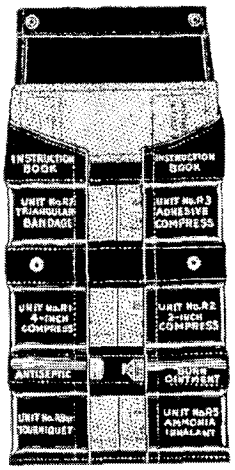


New Cowhide First Aid Kit
11535-36

Many Police and Sheriffs departments realize the desirability of providing first aid in case of automobile accidents, etc., especially when outlying districts are patrolled. The first aid equipment we supply has been worked out from the experience of many of these departments, and contains all the essential items for this service.

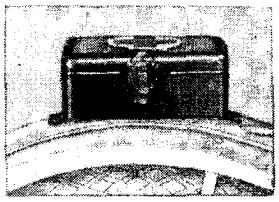
You may choose either of two styles—the new cowhide case or the metal case. Since adopting the cowhide case, it has become quite popular. This is probably due to its adaptability to the motorcycle—it can be attached in many places.

The metal case with contents is the same we have featured for many years—can be attached to fender or luggage carrier.



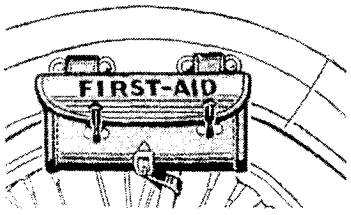
Roll-Up Kit with Contents.

			Code
11535-36	—Cowhide First Aid Kit complete	**$7.75**	elrig
11535-36A	—Cowhide First Aid Kit complete with Chrome Hangers	**8.50**	elray
11535-30	—Metal Box First Aid Equipment complete (for luggage carrier)	**8.50**	bifna
11536-30	—Metal Box First Aid Equipment complete (for mudguard)	**8.50**	bifob
11536-X	—First Aid Metal Box, outside box only (for mudguard)	**4.00**	bifiv



Metal Kit for Fender or Luggage Carrier
11535-30

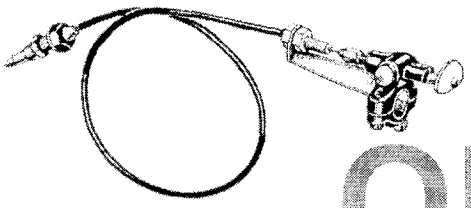
		Code
11535-X—First Aid Metal Box, outside box only (for luggage carrier)	**$4.00**	bifhn
11537-36A—Roll-Up Kit with contents for metal case	**4.50**	emcit
11536-36—Cowhide First Aid Kit Case only	**4.00**	elrec
11537-36—Roll-Up First Aid Kit for Cowhide Case	**4.50**	elrea



Cowhide Case With Chrome Hangers
11536-36A

FOR RESEARCH PURPOSES ONLY

Speedometer Control



This speedometer control is an ingenious device by which the speedometer speed indicating hand can be controlled from the handlebars at the will of the rider.

By setting the lever the speedometer hand will register and function normally.

Pressing a plunger on hand control at any instant desired on a run will instantly lock speed hand showing actual speed traveled.

Speedometer hand can be released again by re-adjusting lever.

This device controls speed hand only and does not interfere with regular operation of speedometer.

This hand control clamps to right handlebar within instant command of the rider. Easily connected to speedometer head by flexible cable. It can be used only on the type of speedometer head that has the trip odometer register included.

An important and necessary accessory for police machines where pacing speed readings are required.

		Code
11152-36—Speedometer hand lock, cpt. for 1936—61, 1957—61 and 74" Twins	**$3.50**	ekyrv

Harley-Davidson Police Radio

★★★

The Modern Mounted Minute Man

The Harley-Davidson police motorcycle radio offered for 1937 is the result of intensive development and is proving its dependability and efficiency in scores of departments throughout the nation. The entire set, converter, antenna and speaker, is designed to function as a synchronized unit. It is Harley-Davidson designed and built for exclusive use on Harley-Davidson police motorcycles. The finest, strongest built set on the market!

The latest developments in super-hetrodyne police receivers are employed. An outstanding feature is the new high impedance screen antenna. It is mounted inconspicuously above the tail light of the motorcycle where it is free from the effects of oil, dirt and water, thus assuring dependable performance under all conditions.

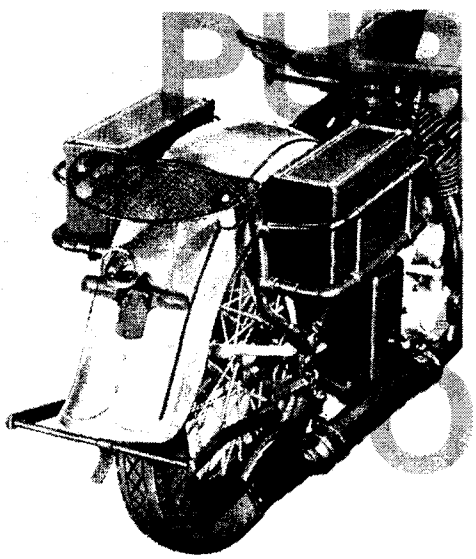
Only five tubes are used, which, with "B" converter, consume only 2.7 amperes. This is less current than is required to light a 32 c. p. headlight bulb.

This is the most rugged and accessible police radio set ever made!

Weight of entire radio installation is only 35 pounds.

The new, saddle-type radio and "B" convertor carrier gives low gravity riding control and does not interfere with mounting or dismounting the motorcycle.

The Harley-Davidson police radio is comparable only to the finest automobile short wave police sets for range of reception, selectivity, sensitivity, dependability and efficiency, plus "battleship" construction.



Rear View Showing Saddlebag Mounting of Receiver. Weight Was Down Low.

Equipment

The Harley-Davidson police radio includes the following:

1—Harley-Davidson police receiver complete, mounted on special carrier—including all tubes and cables.

1—Antenna with insulators and all fittings.

1—Speaker including speaker unit.

1—Super-size Harley-Davidson radio generator with by-pass condenser attached.

1—Shielded spark coil with shielded cables.

1—Set spark plug shields.

1—All necessary nuts and washers for attaching the radio.

1—Complete operating and installing instructions.

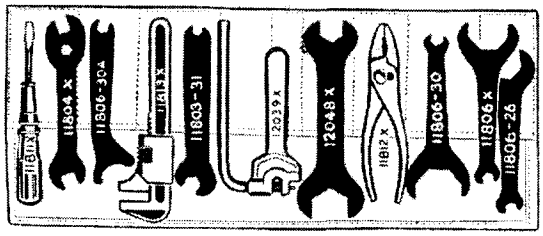
When ordering, specify frequency in kilocycles of your police broadcast station.

Prices on Harley-Davidson Police Radio

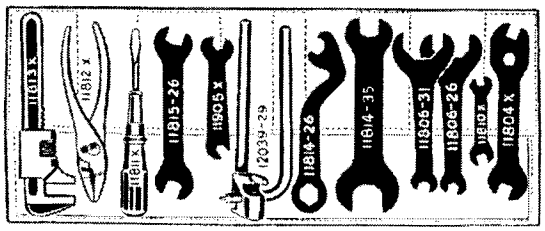
		List
	Radio complete, installed on new Harley Davidson, at the factory	$120.00
		Code
S001-36	Radio cpt., including higher output generator and shielded spark coil, for installation by dealer on 1932 to 1936—74" & 80" twins	$130.00 (abo
S001-37	Radio cpt., including higher output generator and shielded spark coil, for installation by dealer on 1936—61", 1937—61", 74" & 80" twins	130.00 (abri

(Installation charge is extra.)

HANDY TOOLS FOR EMERGENCY REPAIRS



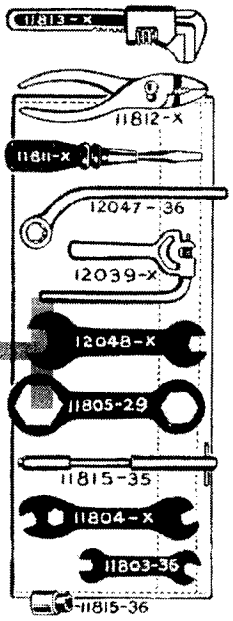
Big Twins Kit 11800-X



45" *and Single Kit* 11800-26

74 and 80 Inch Tool Kits

			Code
11800-X	—Complete tool kit, as illustrated	$5.25	bobix
11803-31	—Motor tappet, transmission and oil filler plug	.35	boceu
11804-X	—Gas line and cylinder base nut wrench	.25	babym
11806-X	—Valve cover and tappet wrench	.25	boceu
11806-26	—Valve cover and tappet wrench	.25	bociy
11806-30	—Upper valve cover and tappet wrench	.25	bocti
11806-30A	—Lower valve cover wrench	.25	bobla
11811-X	—Two inch blade screw driver	.30	bocyn
11812-X	—Adjustable pliers	.50	boczo
11813-X	—Monkey wrench	.50	bodar
11819-X	—Tool roll only	.50	bodof
12039-X	—Chain repair tool	1.00	boziv
12048-X	—Axle nut and brake hub nut wrench	.90	brapf



11800-36
61" o. h. v.

Single and 45 Inch Tool Kits

			Code
11800-26	—Tool kit complete, as illustrated	$5.00	bobjy
11804-X	—$\frac{3}{8}$" x $\frac{1}{2}$" all purpose wrench	.25	babym
11806-26	—Valve cover and tappet wrench, 1930 and earlier	.25	bociy
11806-31	—Valve cover and tappet wrench, 1931 and later	.25	boegy
11810-X	—$\frac{5}{8}$" x $\frac{3}{8}$" open end wrench	.15	bocui
11811-X	—Two inch blade screw driver	.30	bocyn
11812-X	—Adjustable pliers	.50	boczo
11813-X	—Monkey wrench	.50	bodar
11814-26	—Head nut and rear axle nut wrench	.40	boddu
11814-35	—Rear axle and transmission nuts	.60	bwoku
11815-26	—$\frac{5}{8}$" x $\frac{11}{16}$" all purpose wrench	.25	bodev
11819-X	—Tool roll only	.50	bodof
11905-X	—Valve tappet wrench	.20	bolih
12039-29	—Chain repair tool	1.50	bozwi

1937 — 74 and 80 Inch, all 61 Inch O. H. V. Twin Tools

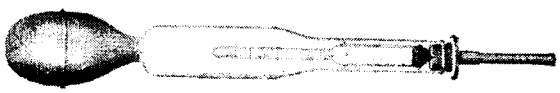
			Code
11800-36	—Complete tool kit as illustrated	$5.50	elovr
11813-X	—Monkey wrench	.50	bodar
11812-X	—Adjustable pliers	.50	boczo
11811-X	—Two inch blade screw driver	.30	bocyn
12047-36	—Cylinder head bolt wrench	.90	elnfa
12039-X	—Chain repair tool	1.00	boziv
12048-X	—For rear axle and brake sleeve nuts	.90	brapf
11805-29	—Spark plug wrench	.35	bocka
11815-35	—Wheel lug screws	.65	bwois
11804-X	—$\frac{3}{8}$" x $\frac{1}{2}$" wrench (handle for 11815-35)	.25	babym
11803-36	—Valve tappet adj. wrench	.25	elnav
11815-36	—Trans. mounting stud nuts (use 11815-35 and 11804-X as handle)	.25	elnez
11819-X	—Tool roll, only	.50	bodof

Chain Tools

Made in our factory for repairing motorcycle chains.

			Code
12039-X	—Cpt. for $\frac{3}{8}$" pitch chain	*$1.00	boziv
12039-28	—Cpt. for $\frac{1}{2}$" pitch chain	* 1.00	bozob
12039-29	—Cpt. for 45" double chain and single models	* 1.50	bozwi

Motorcycle Battery Hydrometer



A tested hydrometer that will give you accurate readings at all times. Comes carefully packed to prevent breakage.

			Code
11831-X	—Complete	*$1.00	boeul

FOR RESEARCH PURPOSES ONLY

Strong Head Bolt Wrench

This is a good strong wrench made for shop use. It has a long heavy handle and will pull up tightly the cylinder head bolts or nuts on side by side valve motors. 1930 to 1935—74" and 80" twins. 1930 to 1937—45" twins.

Code
12047-30 .....***$2.00** breke

Wheel Lug Wrench

A strong, handy tool to remove or replace the five lug screws which retain the 1935 to 1937—45" rear wheels, and all wheels on 1936—61", 1937—61", 74" & 80" models. Can be carried in the tool kit.

Code
11815-35—Wheel lug wrench....**$0.65** bwols

Head Bolt Wrench

A convenient wrench for the cylinder head bolts on 1930 to 1937 74" & 80" twins.

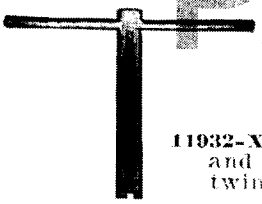
Code
12047-X—Socket wrench for head bolts .....***$0.60** brace

Spark Plug Wrench

A new double end spark plug wrench for the shop. Fits large and small spark plugs. For all models.

Code
11929-36—Spark plug wrench ...**1.30** cofoe

Crank Case Stud Nut Wrench



A shop wrench of rugged construction for removing or tightening crank case nuts.

Code
11932-X—For 1929 and earlier big twins .....***$0.80** bookm

Tappet Adjusting Wrenches

A handy pair of wrenches designed specially for adjusting exhaust valve and inlet valve tappets.

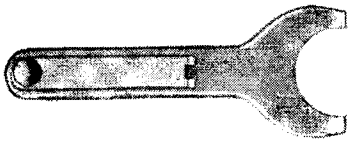
Code
11904-X—Per set .....***$0.40** bolfe

Contact Point Files

Have extremely fine cuts on both sides. Thin enough to get in between circuit breaker points and clean and surface them without taking off too much of the valuable metal.

Code
11840-X—For tungsten points...***$0.15** bofle

Inlet Housing and Crank Case Bolt Wrench



Two tools in one. Used to remove inlet housing clamp nut, and also for removing crank case stud nuts.

Code
11903-X—1929 and earlier big twins .....***$0.80** boled

Cylinder Base Nut Wrench

This is a specially designed wrench for the cylinder base nuts on 1930 to 1937 twins. It is shaped so it can be used on all of the base-nuts on these models. Fits several other standard nuts.

Code
12050-30—1930 to 1937 big twins ***$3.50** branj
12650-29—45" twins .....***2.50** buzew

Spark Plug Wrench Adapter

Code
12056-X—Adapter for spark plug nuts.***$0.25** briay

Inlet Housing Clamp Nut Drift

This specially designed drift is shaped to fit the housing gland clamp nuts on 1929 and earlier big twins.

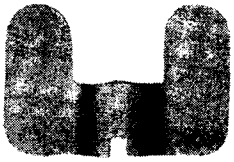
Code
11902-X .....***$1.00** bolba

Circuit Breaker Point Wrench

For adjusting the circuit breaker point screw on all except late types of generators.

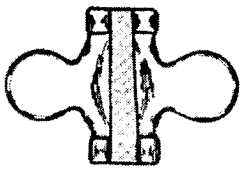
Code
1531-15 .....***$0.15** agkey

Motorcycle Spoke Nipple Wrench



An extra heavy drop forged wrench for ordinary use.

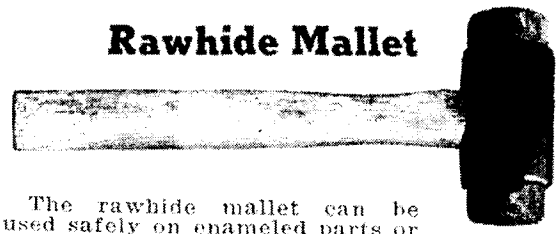
Code
12033-X—Fits all models except heavy spoke nipples .....***$0.60** boyut
12032-X—Heavy. Fits same as above ***1.20** boyte
12032-28—Fits extra heavy nipples to 1929 .....***1.20** bozer
12032-30—1930 to 1937 twins .....***1.30** boyep
12033-33—"Clifford" 1930 to 1937 ...***.25** bosej



"Clifford" Model

FOR RESEARCH PURPOSES ONLY

Rawhide Mallet



The rawhide mallet can be used safely on enameled parts or for work where a heavy blow is necessary without damaging results. It is especially handy for drifting handlebars into place.

		Code
12034-X—Rawhide mallet	***$4.50**	boyxi
12035-X—Rawhide ends, per pair	***1.50**	bozam

Copper Hammer

Specially designed for truing flywheels, but can be used wherever a heavy blow is necessary without leaving hammer marks.

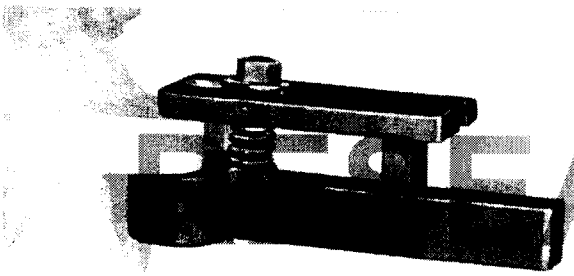
		Code
11970-X	***2.80**	botci

"C" Clamps

A set of strong metal clamps are an asset to any repair shop. They can be used when adjusting the fork stem cone, truing flywheels or any place where a clamp is necessary. Furnished in 2½" and 4" sizes.

		Code
11971-X—2½"	***$1.20**	botek
11972-X—4"	***2.70**	botio

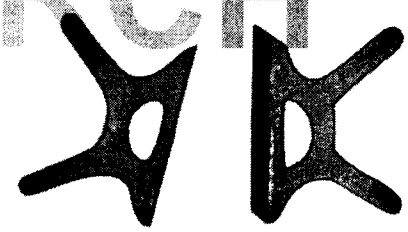
Fixtures for Holding Motor in Vise



You will appreciate this clamping fixture or adapter with which the motor can be held securely in a vise when working at bench.

		Code
12729-26—For all single and 45" twins up to 1931	***$4.00**	bwyb
12729-30—For 1920 to 1936 big twins (not 61" o. h. v. twins)	***4.00**	buwet

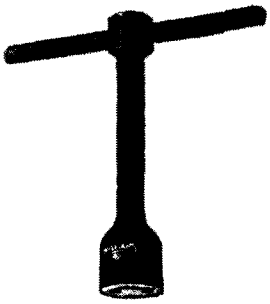
Copper Vise Jaws



To be put on vise jaws when clamping hardened, ground surface or parts that are likely to become injured by the steel jaws of the vise.

		Code
11973-X—For 4" vise	***$1.50**	botkr

Best Grade Socket and Open End Wrenches



Here we are offering a selection of high grade drop forged socket and open end wrenches made to fit the most important bolts and nuts on the Harley-Davidson motorcycle and sidecar.

Socket Wrenches

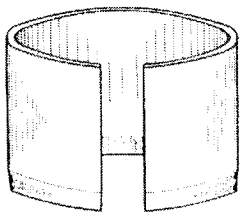
		Code
11988-X—⅜" nut	***$1.30**	boury
11989-X—½" nut	***1.30**	bouta
11990-X—⅝" nut	***1.50**	bouub
11991-X—¾" nut	***1.80**	bouxe
11992-X—⅞" nut	***1.60**	bouyf
11993-X—⅞" nut	***2.20**	bovzc
11994-X—⅞" nut	***1.10**	bovem

Open End Wrenches

		Code
11976-X—⅜"-⅜" nut	***$0.60**	botsy
11977-X—⅜"-½" nut	***1.10**	bottz
11978-X—½"-⅝" nut	***1.05**	botua
11979-X—⅝"-¾" nut	***.40**	botye
11980-X—⅝"-⅞" nut	***.80**	boush
11981-X—⅝"-⅞" nut	***.80**	boubi
11982-X—⅝"-⅞" nut	***.70**	boubl

FOR RESEARCH PURPOSES ONLY

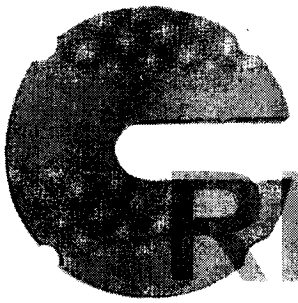
Piston Ring Guide



This sleeve or guide compresses rings on Dow metal and Lynite pistons so it is easy to slide the assembly into cylinder. Supplied in two sizes, for $3\frac{7}{16}$" pistons.

		Code
12068-X—Std. to .015" oversize	*$4.00	byaur
12069-X—.015" to .030" oversize	* 4.00	buroy

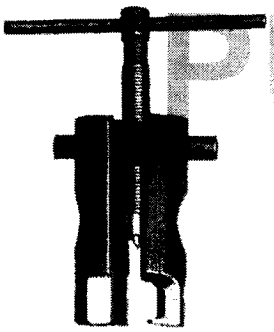
Piston Squaring Gauge



This gauge is used to determine whether a connecting rod is out of true by placing the gauge on the crankcase and turning the motor until the skirt of the piston bears lightly on it.

		Code
11919-X—For all 61", 74" and 80" models	*$1.80	bonkl
12655-26—For all singles and 45" twins	* 1.30	buzri

Gear and Bearing Puller

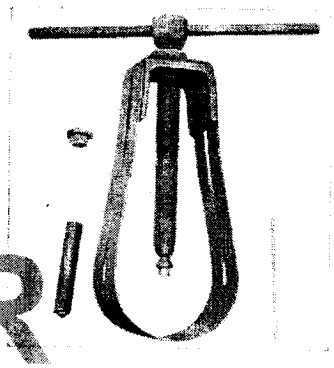


Gear pullers are the handiest tools you can have in your shop.

This puller is designed to remove armature bearings, worm gears and timer shaft gears, and pinion gears on 45" twins and 1930 to 1937 74" and 80" twins. 1936 & 1937—61" o. h. v. twins.

		Code
11849-X	*$5.20	bogga

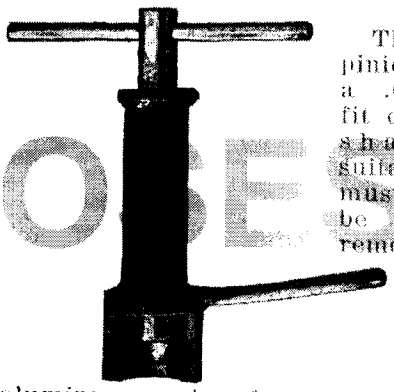
Piston Pin Pusher Tool



The design of this tool is such that it can be used for removing or replacing piston pins in both twin and single motors. The steady screw action of the pusher eliminates any possibility of piston breakage and is therefore a most valuable tool for every motorcycle shop. Fits all types and models of Harley-Davidson motor pistons.

		Code
11910-X—Tool complete	*$5.50	bolut
11911-X—Remover pin	* .40	bolvu
11912-X—Guide pin	* .25	bolyx
11913-X—Pusher collar	* .25	bolzy

Pinion Gear Puller



The motor pinion gear has a .001" press fit on the gear shaft and a suitable puller must therefore be used when removing it to prevent possible damage to the gear, shaft or aluminum casing boss. This puller is identical with the pullers used in our motor assembling department.

		Code
11931-X—1929 and earlier big twins, all singles. See 11849-X, for later models.	*$5.00	boolk

Cylinder Plug Wrench

An extra heavy drop forged socket wrench designed for shop use on 1929 and earlier cylinder plugs when the motor is out of the frame.

		Code
11929-X For 1929 and earlier big twins	*$1.00	boofh

FOR RESEARCH PURPOSES ONLY

Flywheel Shaft Nut Wrenches

These special wrenches are necessary because there is very little clearance and these nuts cannot be tightened properly with an ordinary wrench.

12645-29 fits main shaft nut (right side) 61″ and 74″ twins.

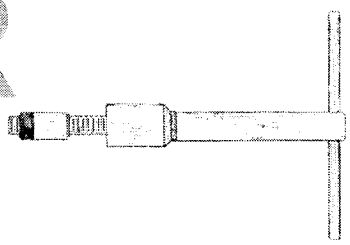
		Code
11933-X—Crank pin nut wrench for big twins	*$2.90	boomo
12645-26—1⅛″ crank pin nut wrench for singles and 45″ twins	* 2.00	buyuk
12645-29—⅝″ flywheel shaft nut wrench for 45″ twins	* 2.00	bowfo

Lock Ring Tool

This simple tool makes it a very simple matter to install the 1932 and later type of piston pin lock rings in the late motors with aluminum or Dow metal pistons. Without this tool the late type lock rings are rather hard to install.

		Code
12052-32—1932 to 1937 twins (Lynite or Dow metal pistons)	*$1.10	brica
12052-30—1924 to 1931, 1932 singles (Lynite or Dow metal pistons)	* 1.10	breoi

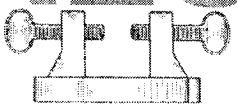
Piston Pin Bushing Tool



With this handy tool it is possible to remove and replace piston pin bushings without removing the rods from the crank case. It fits all large diameter bushings as used from 1924.

		Code
12057-X—Piston pin bushing tool	*$4.70	bropu

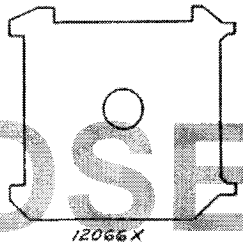
Connecting Rod Clamping Tool



Clamping fixture for holding connecting rod when fitting new upper bushing and reaming, without disassembling motor base. This clamp is needed with bushing tool above. Fits all models.

		Code
12058-X—Clamping fixture	*$4.80	bronu

Oiler Lock Nut Wrench



A handy wrench made to fit all mechanical oiler lock nuts from late 1922 up to 1933 models. Hold in a vise and remove these units without drifting and damage.

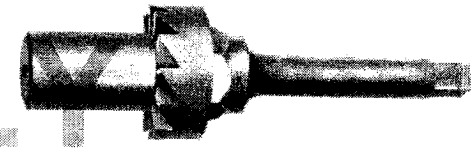
		Code
12066-X	*$0.90	buzgy

Connecting Rod Lapping Arbor

Used to make a perfect fit when standard or oversize rollers are fitted to either new or worn connecting rods, lower end bearings.

		Code
11944-X—Lapping arbor for all 1″ crank pins	*$10.00	bopos
11944-12—Lapping arbor for ⅞″ crank pins	* 10.00	bopru
11944-36—Lapping arbor opt. for 1⅛″ crank pins	* 10.00	eogyo
11949-X—Lap only for 1″ crank pins	* 4.50	bopyb
11949-12—Lap only for ⅞″ crank pins	* 4.50	borae
11949-36—Lap only for 1⅛″ crank pins	* 4.50	elugh
11950-X—Wrench for lapping arbor	* 1.25	borei

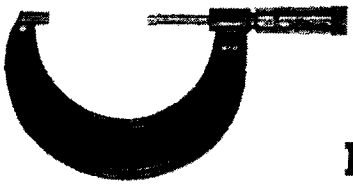
Facer for Crank Case Bushing



This tool is designed to face off the thick shoulder of the gear side bronze crank case bushing after it has been pressed into the case. The cutter is made of the very best tool steel and will give long service when handled in the proper way.

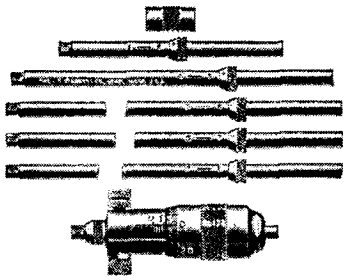
		Code
11939-X—Complete as shown, for 1929 and earlier big twins	*$4.00	bopbe
11940-X—Cutter only	* 2.30	bopeh

FOR RESEARCH PURPOSES ONLY



Experienced and Factory-Trained Mechanics Use

MICROMETERS



All parts of the Harley-Davidson are made to such close standards that they are inspected and checked for accuracy with instruments reading in thousandths and ten-thousandths of an inch. Such parts as pistons, piston pins, cylinders, flywheel shafts, crank pins and roller bearings must be accurately measured for proper clearances when making repairs to the motor.

		Code
12062-X—0 to 1 inch outside	*$12.00	breau
12063-X—2 to 3 inch outside	* 17.50	breey
12064-X—3 to 4 inch outside	* 20.00	brega
12065-X—2 to 8 inch inside	* 14.00	breic

Speedometer and Tank Screw Wrench

An offset open end wrench specially designed to fit hexagon head tank screws used in connection with fitting the speedometer bracket on the tank.

		Code
12038-X	*$0.35	bozhu

Manifold and Side Car Wrenches

A single end drop forged wrench made to fit carburetor manifold nipples and nuts on all twin motors. Also fits all sidecar ball joint nuts.

		Code
12002-X—Sidecar wrench	*$1.50	bovyg
12003-X—Same style wrench to fit 1924 to 1929 74" motors. Will not fit sidecar ball joint nuts	* 1.50	bowaj
12002-29—Manifold wrench for 45" twins	* 1.50	bowis
12002-30—Manifold wrench for 1930 to 1937 74" twins	* 1.50	boduk

Flywheel Truing Device

You cannot get along very well without this special tool in your shop. Flywheels must be assembled so that the shafts are in perfect alignment. Power, speed and smooth, quiet running in a motor depend to a large degree on perfectly balanced and aligned flywheels.

The only way you can check flywheel shafts for alignment is to use this special Harley-Davidson flywheel truing device. By no other method can you determine when the shafts are true within .002" of accuracy.

Extra large hardened and ground steel centers are used to support the wheels while they are being drifted with a copper hammer to obtain perfect alignment.

Precision calibrated indicators are furnished with each truing device. These indicators show at a glance how many thousandths of an inch the flywheel shafts run out of true. Each graduation on the indicators is equivalent to .002".

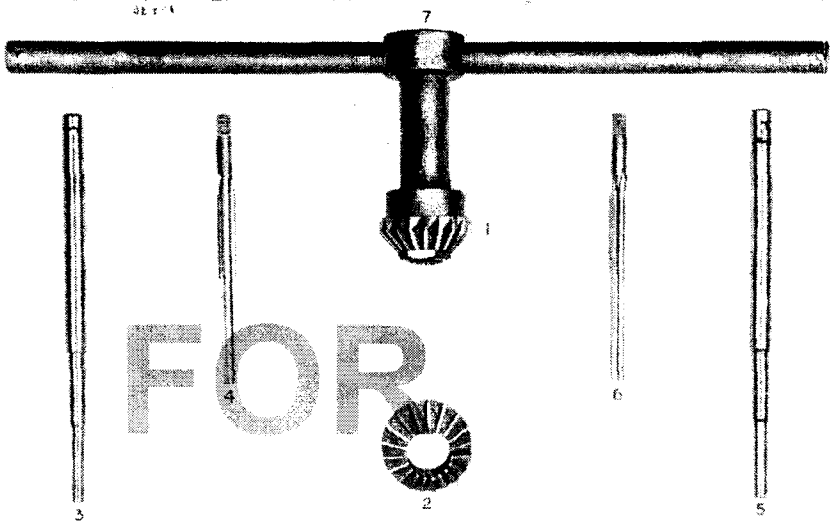
This truing device will accommodate all models of Harley-Davidson flywheels.

		Code
11962-X—Truing device complete	*$50.00	bosin

FOR RESEARCH PURPOSES ONLY

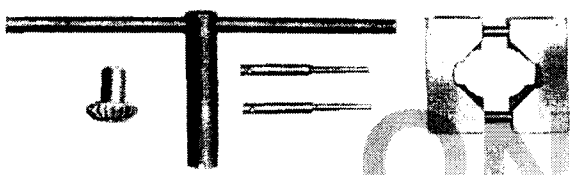
Valve Seat Refacing Tools

[*Cannot be used on 1936—61" o. h. v. twins*]



			Code
11887-X	—Complete set for big twin (as illustrated)	*$28.50	bojxu
	Above consists of:		
11889-X	—No. 1—74" and 80" seat cutter for refacing exhaust seats (all models)	* 4.00	bokay
11890-X	—No. 2—Clearance cutter used to remove the shoulder caused by excessive reseating or wear of the valve seat. This cutter is made eccentric so it can be passed into the valve chamber and the pilot inserted through the tool handle (1929 and earlier)	* 4.75	bokca
11890-30	—(Not shown)—Clearance cutter for 1930 to 1937	* 4.75	bodiz
11891-X	—No. 3—Small pilot to guide holder when refacing valve seats (1929 and earlier)	* 1.70	bokec
11891-30	—(Not shown)—Small pilot for 1930 to 1937	* 1.70	bodhy
11893-X	—No. 5—Large pilot, same as above except larger to be used in worn guides. Marked with a groove near hole in pilot (1929 and earlier)	* 1.40	bokig
11893-30	—(Not shown)—Large pilot for 1930 to 1937	* 1.70	bodja
11894-X	—No. 4—Pilot reamer, to clean carbon from valve guides (1929 and earlier models)	* 3.30	bokki
11894-30	—Pilot reamer (1930 to 1937)	* 3.30	bokom
11898-X	—No. 7—Holder, handle and nut (all models)	* 3.50	bokus
12620-26	—Complete set for side valve single	* 17.00	buwix
	Above consists of:		
11898-X	—No. 7—Holder, handle and nut, same as big twin	* 3.50	bokus
11889-X	—No. 1—Seat cutter, same as big twin, faces both inlet and exhaust seats	* 4.00	bokay
12621-26	—Small pilot for valve guide, .344"	* 1.30	buwyi
12622-26	—Large pilot for valve guide, .346"	* 1.30	buwla
12623-26	—Reamer for valve guide	* 3.10	buwod
11890-X	—No. 2—Clearance cutter, same as big twin	* 4.75	bokca
12620-29	—Complete set for 45" twins	* 17.00	buvyl
	Above is the same set as 12620-26 for side valve singles, except that the following item replaces 11890-X clearance cutter:		
11890-29	—Clearance cutter for 45" twins	* 4.75	buwao

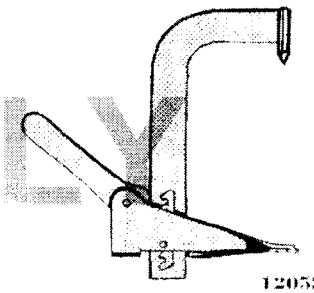
Inlet Housing Refacer



This set consists of an inlet housing clamping arrangement that will hold any 1929 and earlier models inlet housing firmly in a vise, a reamer, for the valve seat, a handle for the reamer, and standard and oversize pilots. This tool will salvage many inlet housings that otherwise would have to be thrown away, and will save a lot of time on valve grinding jobs.

		Code
12125-X	—For 1929 and earlier	*$11.00 bowud

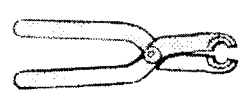
Handy Valve Spring Compressor



This is one of the handiest tools in the repair shop. It is strongly built, and will fit all side valve motors. Can be used either with the head on the cylinder or detached. The cam keeps the spring compressed until released.

		Code
12053-30		*$3.30 bresl

Handy Valve Key Tool



This very handy tool is to hold the split valve key while placing it in position on the valve stem. With the help of this tool an otherwise awkward job can be done easily and quickly. Used on late side valve big twins.

		Code
12054-30		*$1.10 breun

FOR RESEARCH PURPOSES ONLY

SPECIAL REAMERS FOR THE SHOP

Special reamer for gear shifter shaft bushing on singles and 45" twins. Code
12660-26C .....*$5.00 bwafa

Special reamer for big twin brake shackle bushings. Code
12044-28 .....*$10.00 bwado

Special reamer for countershaft bushing on singles and 45" twins. Code
12660-26A .....*$12.50 bwaje

Special reamer for countershaft gear bushing and low speed gear bushing on singles and 45" twins. Also used for big twin brake side cover bushings. Code
12660-26D .....*$7.00 bwaoj

Special reamer for single and 45" twin brake shackle bushings. Code
12665-28 .....*$8.50 bwasm

Special reamer for clutch gear bushing and brake side cover bushing on singles and 45" twins. Code
12660-26B .....*$5.50 bwald

Generator Shaft Bushing Reamer for "45" Twins

This is a combination reamer that reams both the right and left side bushings for the generator drive shaft at the same time. In this way these bushings are kept in perfect alignment. Not illustrated.

12676-29—For 45" twins prior to 1932 ..... Code *$13.00 bowoy

Spiral Expansion Reamers

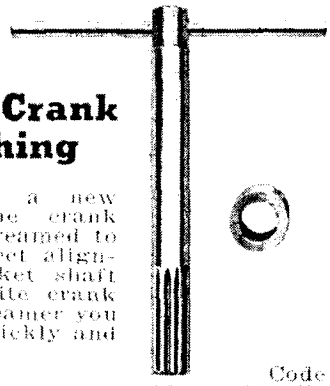
These spiral expansion reamers are used for reaming Harley-Davidson pistons and upper connecting rod bushings. With these reamers and a supply of oversize piston pins, the mechanic will be in a position to make quick and efficient repairs to pistons and to upper connecting rod bushings of all models.

These reamers are made to expand only .010" oversize. More than .010", the cutting blades may break. When a reamer becomes dull it can be returned to our factory for resharpening at small cost. Code

11914-X—.39 61" for small piston pins ..... *$8.50 bomb

11915-X—.790" for large piston pins ..... *11.00 bomb

Reamer for Crank Case Bushing



After pressing a new bushing into the crank case, it must be reamed to size, and in perfect alignment with sprocket shaft bearing in opposite crank case. With this reamer you can do the job quickly and accurately.

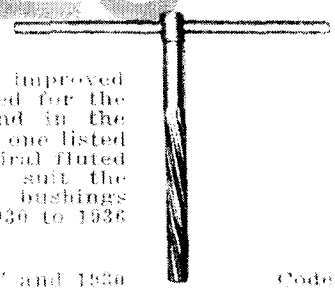
Code
12675-26—Single ..... *$9.00 bweji
12675-29—45" twins ..... *10.00 bowka
11941-X—1929 and earlier big twins ..... *10.00 bopfi
11941-30—1930 to 1936 big twins ..... *10.00 bodsi

Oil Pump Gear Shaft Bushing Reamer

This reamer is used for reaming only the front exhaust cam and oiler gear bushings in crank case and timing gear case. When either one, or both the oil pump shaft bushing and gear shaft bushing are replaced this reamer should be used to ream the bushings to proper size and bring them into alignment. Two oiler bushing reamers included.

Code
12679-29—For 45" and 1930 to 1936 big twins ..... *$10.00 bowra

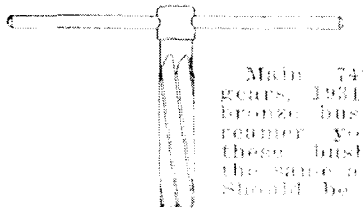
Reamer for Cam Gear Shaft Bushing



This is an improved reamer to be used for the same purpose and in the same way as the one listed above. It is a spiral fluted reamer made to suit the cam gear shaft bushings in the 45" and 1930 to 1936 big twins.

Code
12678-29—For 45" and 1930 to 1936 big twins ..... $6.00 bwets

Transmission Main Drive Gear Bushing Reamer



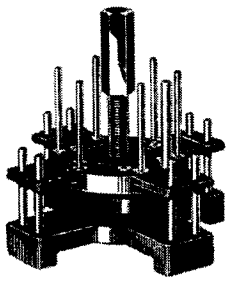
Main 74" transmission gears, 1931 and later are bronze bushed. With this reamer you can replace these bushings (2257-31) the same as a factory job. Should be in every shop.

Code
12732-31 Transmission main gear reamer ..... *$10.90 bazcu

FOR RESEARCH PURPOSES ONLY

SPROCKET, TRANSMISSON & CLUTCH TOOLS

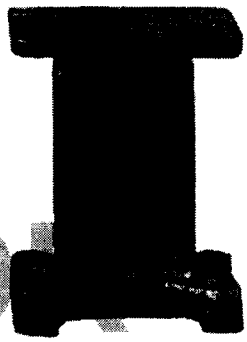
Clutch Assembling Tool



Regardless of how much or how little clutch work you have in your shop, this tool is a valuable time saver. It will save several minutes on any clutch job requiring complete disassembling and assembling. It can be used either in a vise or resting on a bench. It will work equally well with late or early type big twin clutches to 1936 except 1936 61" motor.

Code
12055-X .....*$18.50 breve

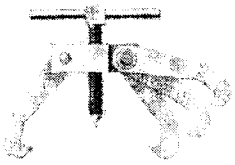
Transmission Assembling Stand



A very convenient shop fixture. With this stand a transmission can be clamped on the bench and repairs or adjustments made with much greater speed than by any other method. The time saved will pay for this stand in a very short time.

Code
12016-X .....*$5.30 boxeo

Sprocket Puller



This is a specially designed puller to remove both old and even tooth engine sprockets easily. It can also be used for removing starter main shaft gears used on all models since 1916.

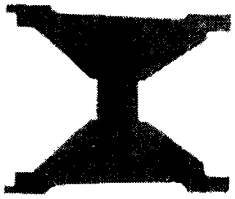
Code
11920-X .....*$2.00 bonno

Clutch Puller

This is a very handy tool to have on hand when a clutch job comes in. It is designed to pull off the clutch of 1930 to 1936 74" and 80" motors.

Code
12022-30 .....*$4.50 boxue

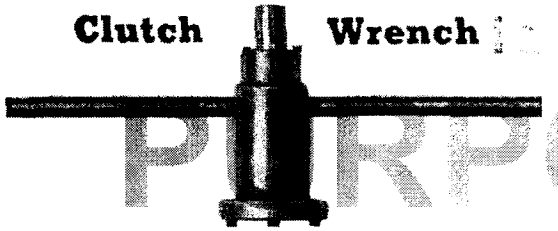
Transmission Bearing Wrench



An inexpensive shop tool specially designed to be used in connection with a heavy monkey wrench for removing the right side ball bearing housing and lock nuts on all transmissions. Also used to obtain proper main shaft end thrust and to tighten up oil retaining washers. Fits all three speed big twin models to 1936.

Code
12017-X .....*$0.75 boxit

Clutch Wrench



One end of this double end T handle wrench fits the clutch spring tension adjusting nut. The other end fits the nut which secures the inner or back disc of clutch to clutch gear hub. Both ends of wrench pilot on gear hub and will not slip off the nuts. A sturdy wrench that will last a life time. It handles nuts that otherwise would require a punch and hammer.

Furnished with adapter.

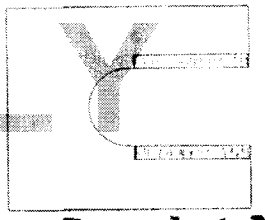
Code
12745-26—Single & 45" twins ..*$4.50 byaso

Square Shank Screw Driver

An extra heavy screw driver with a square shank so that a wrench may be used on large and stubborn screws. Specially adapted for removing transmission countershaft.

Code
12018-X .....*$1.70 boxju

Roller Race Remover



This wedge tool is for removing the roller race from the big twin main drive gear. Inserted back of the race it is driven on until the race comes off. Fits big twins to 1936.

12073-X—Wedge tool for roller race ...*$2.50 Code buris

Countershaft Sprocket Lock Nut Wrench

It's a mighty tough job to get off the countershaft sprocket lock nut without a specially designed wrench. We've made up the wrench shown to make this job easy. It will take off any big twin countershaft sprocket lock nut from 1915 to 1939 and 1937.

Code
12023-X .....*$3.30 boxyi

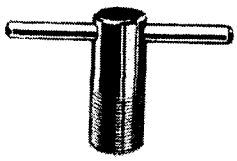
Sprocket Nut Wrench

This box end wrench is made to fit the engine sprocket nut on all models—countershaft sprocket nut on singles and 45" twins. Also fits 1929 and earlier 61" and 74" twins and all single and 45" crank pin nuts.

Code
12731-29 .....*$2.00 bowen

FOR RESEARCH PURPOSES ONLY

Clutch Puller



It is easy to remove the clutch on 61" o. h. v. models, and 1937 74" and 80" twins with this sturdy puller. Plenty husky for shop use.

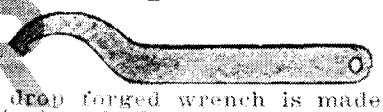
Code
12749-36—Clutch puller .....**$3.00** eogex

Handlebar End Tap

This special tap is made for cleaning up the threads in the handlebar where the end nuts screw in.

Code
12043-X—1930 and earlier....***$11.00** bozyk
12043-31—Fits 1931 to 1937 bars ***11.00** breys

Exhaust Pipe Nut Wrench



This drop forged wrench is made to fit exhaust pipe nipples on old models and the slotted exhaust pipe nuts used on various models. It also fits the head cone lock nut on all twin models. Will stand hard usage.

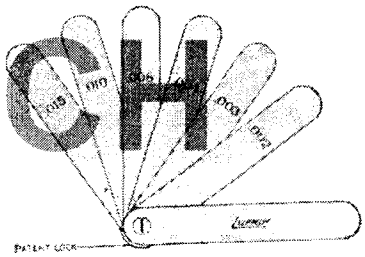
Code
11934-X—For 1929 and earlier big twins .....***$0.80** boops

Clutch Nut and Adjusting Nut Wrench

This sturdy shop wrench fits the clutch nut and clutch adjusting nut on 61" o. h. v. models, and 1937 74" and 80" twins. Every dealer needs one.

Code
12746-36—Clutch wrench .....**$5.80** elveg

Thickness Gauge



Indispensable for obtaining proper valve tappet clearances and various bearing fits. This gauge has six leaves as follows: .002", .003", .004", .008", .010", .015". The steel back piece is ground to .030" and may be used for setting spark plug points. The leaves are carefully tempered and have the dimensions plainly marked.

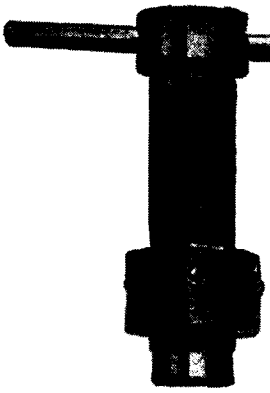
Code
11974-X .....***$2.20** botnu

For Bending Tubing of All Kinds

This bending bar is a real husky tool, suitable for bending handlebars, forks, or frame tubing. Has two large hooks turned each way, and can be hooked on most anywhere. Strong enough for use with a long pipe on the handle.

Code
12082-X Straightening bar.....***$7.70** broue

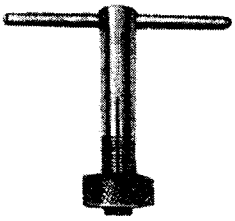
Fork Stem Die and Holder



Specially designed to chase or straighten threads on rigid fork stem. Holder is so designed as to permit unhindered use of the die. The die is 1-9/64"—24 Vthread adjustable.

12036-X—For Big Twin .....***$15.50** bozco

Valve Grinding Tool for Overhead Valve Single

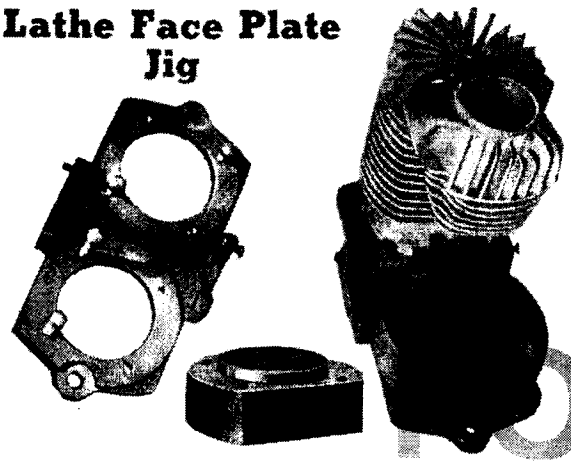


As these valve heads are not provided with screw driver slots, this special tool, which attaches to end of valve stem, is required for turning the valve when necessary to grind them. It is fitted with a large chuck locking nut.

Code
12636-26—For ½" stem .....***$0.90** buyzu
12636-27—For ⅝" stem .....***.90** buyzu

FOR RESEARCH PURPOSES ONLY

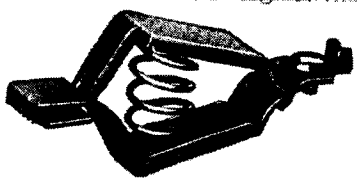
Lathe Face Plate Jig



To fit oversize inlet housing clamp nuts, the cylinder inlet chamber must be rethreaded on a lathe.

The jig is provided with a counterweight which prevents the cylinders from jumping as they revolve and is made to accommodate both 61" and 74" cylinders. When not in use for rethreading purposes, it can be mounted on the work bench for holding cylinders while grinding valves, etc.

Code
11901-X—Fits all big twins ..*$15.50 bolaz



Testing Clips

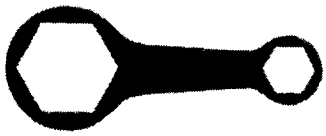
These convenient snap clips are extensively used in electrical work as a ready means for connecting inspection or test lamp wires, ammeter circuits and battery terminals for charging. Lead coated.

Code
11826-X .....*$0.12 bocia

Front Wheel Cone Wrench

This special wrench is made for adjusting the front wheel ball bearing cones. It will fit all front wheel cones used on 1921 to 1929 big twin models. Proper adjustment of wheel bearing cones is of vital importance. We, therefore, suggest that each shop have one or more of these special wrenches.

Code
12025-X .....*$0.60 boydo

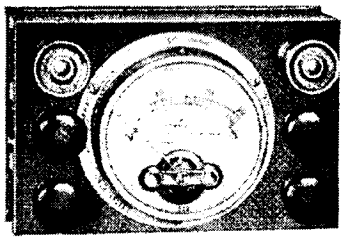


Hub Cap Wrench

This is a special box end wrench that fits the sidecar hub cap and the sidecar axle lock nut.

Code
12029-X .....*$0.35 boymy

Combination Volt-Ammeter



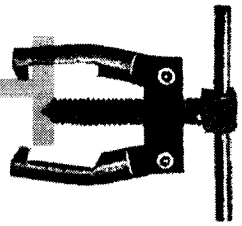
A thoroughly reliable meter of this type is needed in your shop to test generators, batteries and all electrical circuits. The average small ammeter or voltmeter is not accurate enough for making tests.

This meter consists of a 30 ampere meter, 3 ampere meter, 30 volt meter, 3 volt meter. A 90 mil-volt connection is also provided but is not used when testing motorcycle circuits.

Complete and comprehensive instructions are sent with each instrument.

Code
11828-X .....$33.70 boeog

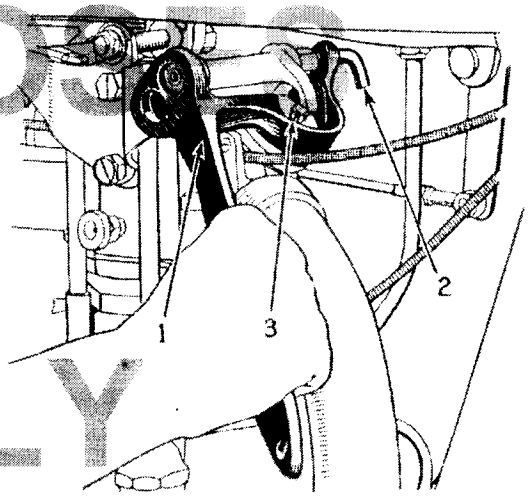
Generator Gear Puller



For removing Harley-Davidson and Remy Model 235 generator drive gears. This puller can also be used to remove the timer cam on Remy Model 250 and 235 generators. Very rugged construction and will stand hard usage.

Code
11857-X .....*$1.30 bohdy

Valve Spring Compressor for Overhead Valve Single



The double spring combination used on the overhead valve model is so strong that it is almost impossible to remove or replace springs without the aid of a special tool.

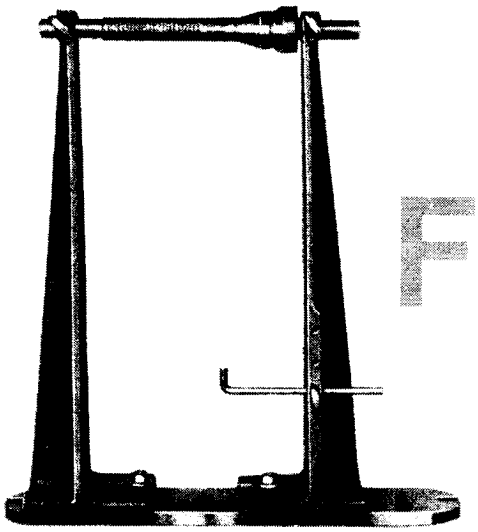
1—Compressor.
2—Compressor pin. Fits into left rocker arm stud nut after removing grease cup and acts as pivot for compressor.
3—Shows spring and cap depressed so as to remove or replace keys.

Code
12630-26 .....*$2.50 buxka

RESEARCH PURPOSES ONLY

SPROCKET, WHEEL, AND BRAKE TOOLS

Wheel Truing Stand



A very rugged cast adjustable stand for supporting motorcycle, sidecar and bicycle wheels while they are being trued.

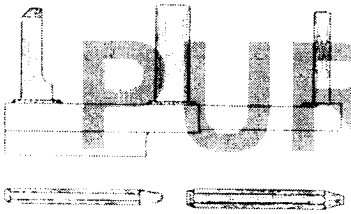
12028-X—Stand cpt. with arbors for interchangeable wheels ***$23.00** Code boyin

12028-XA—Arbor for sidecar wheels 1929 and earlier ...* **3.60** boxny

12028-XB—Arbor for interchangeable wheels ..... **3.70** boyfr (included in 12028-X)

12028-XC—Arbor for 1937 Servi-Car wheels ..... **3.70** eohri

Sprocket Riveting Tools



This set of tools makes it much easier to replace the rear sprocket on 1930 and later models. Consists of riveting block to hold and guide the assembly, and two rivet punches. Real time-savers.

12067-X—Sprocket riveting tools .....***$10.30** Code burfo

Brake Shell and Rear Wheel Sprocket Nut Wrench

With this wrench it is a simple matter to remove or tighten the brake shell and rear sprocket nuts. A husky wrench that can be treated rough without danger of breakage.

12755-26—Single and 45" twins ***$2.80** Code bybom

A combination wrench with one side for brake shell nuts (1919 and later), the other side for rear wheel sprocket nuts (all three speeds). Once you've used this wrench, you'll wonder how you ever got along without it.

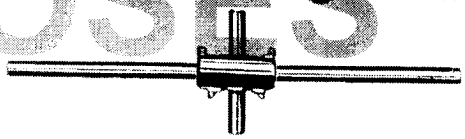
12030-X—1929 and earlier big twins only .....***$3.90** Code boyoa

Axle Sleeve and Axle Nut Wrench

This heavy wrench is to fit the axle sleeve nuts and the axle nuts on the 1930 to 1937 big twins. It is a good heavy tool for shop use.

12051-30 .....***$1.10** Code brawl

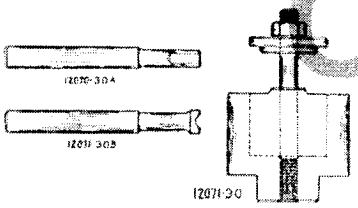
Wheel Assembling Wrench



This is a husky tool for tightening the nut and lock nut on the interchangeable wheels used on 1930 to 1936 big twins. The long handles make it easy to pull these nuts up tight.

12049-30 .....***$5.00** Code brati

New Riveting Jigs for Front & Rear Brake Shells & Hubs

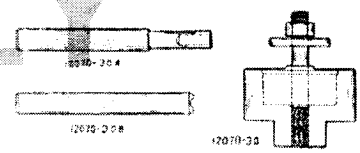


To hold rear brake shell and hub while riveting. Secured in a vise it makes this tough rivet job easy. For all interchangeable wheel models. Furnished with a sturdy rivet set and punch.

12071-30—Rear brake jig.....**$13.90** Code buroy

12071-30B—Rivet set ..... **1.60** buzog

12070-30A—Hollow punch ..... **1.60** buzia



To hold front brake shell and hub while riveting. Same principle as 12071-30. You need these two handy jigs to save time and turn out better work. All interchangeable wheel models.

12070-30—Front brake jig....**$11.60** Code burku

12070-30B—Rivet set ..... **1.25** buzme

12070-30A—Hollow punch ..... **1.60** buzia

FOR RESEARCH PURPOSES ONLY

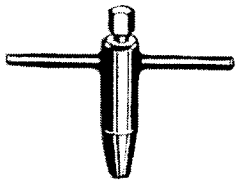
SPECIAL TOOLS FOR 61" O. H. V.

Valve Grinding Tool

A handy newly designed tool for grinding valves for the new o. h. v. motors.

Code
12636-36—Valve grinding tool...**$1.50** eofzo

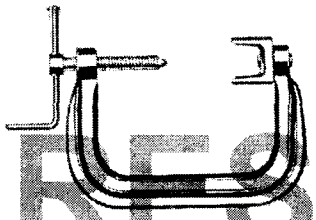
Rocker Arm Shaft Adjusting Tool



Used for making oiler adjustments on rocker arms.

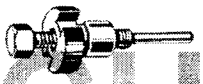
Code
12627-36—Rocker arm shaft adjusting tool .....**$3.25** eofti

Valve Spring Compressor



Code
12630-36—Valve spring compressor .....**$4.00** eofuj

Flywheel Truing Device Adapter

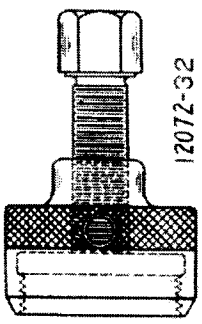


A necessary adapter to be used with regular flywheel truing device.

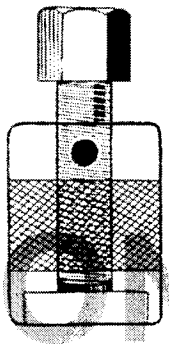
Code
12640-36—Flywheel truing device adapter .....**$2.50** eogar

SIDECAR AND SERVI-CAR TOOLS

Servi-Car Wheel Puller



12072-32



12072-37

A strong handy tool for removing Servi-Car wheels. Screw on hub shell, tighten puller screw, then strike screw with copper hammer—repeat until wheel loosens from axle. A shop necessity.

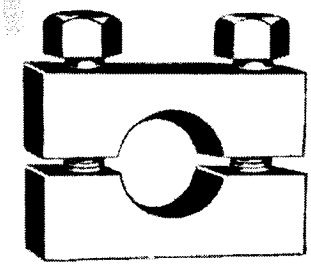
Code
12072-32—Servi-Car wheel puller **$5.20** hnrpz
12072-37—For 1937 models ..... **5.20** eofiy

For Removing Ball Stud

Set of wedges and spacers for removing ball stud.

Code
12760-37 .....**$5.00** enwva

Ball Stud Clamp

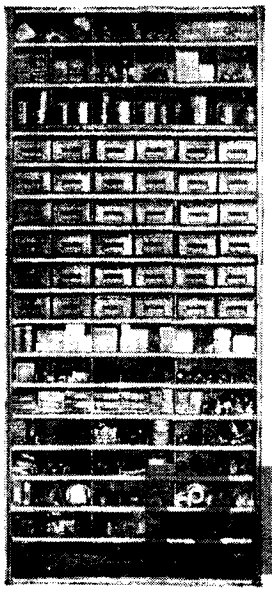


Code
12761-37 .....**$1.00** eunag

FOR RESEARCH PURPOSES ONLY

SECTIONAL STEEL BINS FOR HARLEY-DAVIDSON PARTS

Good Looking, Adjustable and Interchangeable



No. 1

Harley-Davidson No. 1 Section

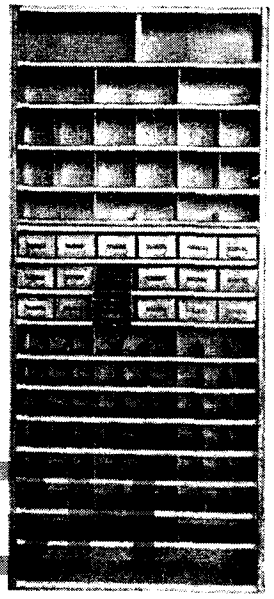
No. of Compartments

36 Drawers
234 Drawer Dividers

270 Compartments for Envelope and Drawer Items

45 Bin Compartments 4" x 4½"
3 Bin Compartments 12" x 4½"
9 Bin Compartments 4" x 6"
12 Bin Compartments 6" x 6"
3 Bin Compartments 12" x 6"
1 Bin Compartment 36" x 6"

73 Bin Compartments
343 Total Compartments
Approx. Shipping Weight 417 lbs.
Export and Domestic
Price F.O.B. Aurora, Ill.....Net **$52.50**



No. 2

Harley-Davidson No. 2 Section

No. of Compartments

18 Drawers
54 Drawer Dividers

72 Compartments for Envelope and Drawer Items

45 Bin Compartments 4" x 4½"
6 Bin Compartments 6" x 4½"
3 Bin Compartments 12" x 4½"
9 Bin Compartments 4½" x 6"
12 Bin Compartments 6" x 6"
3 Bin Compartments 12" x 6"
1 Bin Compartment 36" x 9"
2 Bin Compartments 18" x 9"

81 Bin Compartments
153 Total Compartments
Approx. Shipping Weight 321 lbs.
Export and Domestic
Price F.O.B. Aurora, Ill.....Net **$40.75**

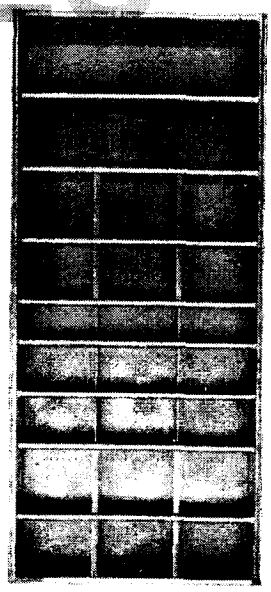
No. 3

Harley-Davidson No. 3 Section

No. of Compartments

18 Bin Compartments 6" x 4½"
3 Bin Compartments 12" x 4½"
12 Bin Compartments 6" x 6"
9 Bin Compartments 12" x 6"
2 Bin Compartments 18" x 6"
3 Bin Compartments 12" x 9"
2 Bin Compartments 18" x 9"
1 Bin Compartment 36" x 12"

50 Total Bin Compartments
Approx. Shipping Weight 221 lbs.
Export and Domestic
Price F.O.B. Aurora, Ill.....Net **$28.75**



No. 4

Harley-Davidson No. 4 Section

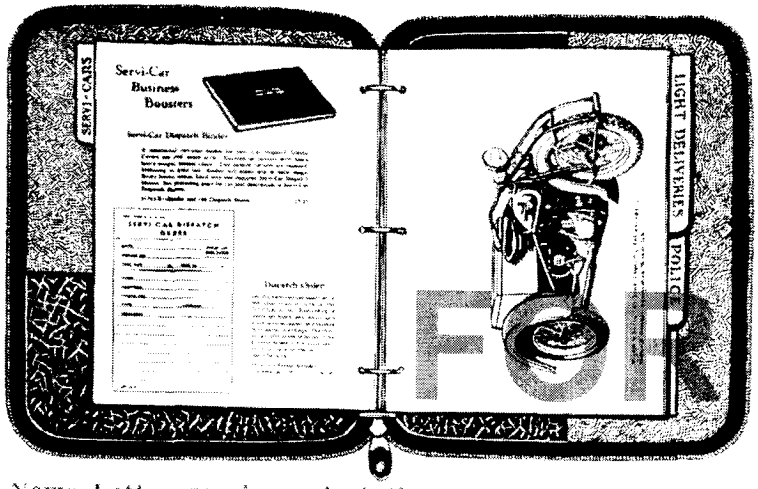
No. of Compartments

3 Bin Compartments 12" x 6"
6 Bin Compartments 12" x 7½"
3 Bin Compartments 12" x 9"
9 Bin Compartments 12" x 10½"
1 Bin Compartment 36" x 10½"
1 Bin Compartment 36" x 12"

23 Total Bin Compartments
Approx. Shipping Weight 176 lbs.
Export and Domestic
Price F.O.B. Aurora, Ill.....Net **$22.25**

FOR RESEARCH PURPOSES ONLY

A "ZIPPER SALESMAN" PROMOTES SALES



Here is an impressive leather zipper binder complete with striking art work, pictures and data that will attract and hold the attention of your Police or Commercial prospect while you point out Harley-Davidson service features which apply to his particular needs.

This beautiful grained black leather 3-ring zipper binder takes 8½" x 11" size inserts—just like we send you in our News Letter service. And there are two handy pockets for your convenience in carrying catalogs, order blanks, etc.

"The Zipper Salesman" is divided into three sections: Servi-Car, Light Delivery, and Police. These three divisions feature 18 excellent 8" x 10" pictures accompanied with artwork drawings and headings, testimonial letters and sales suggestions. Handy index tabs locate the section you want "right now."

The handy, loose-leaf feature makes this "salesman" always up-to-date. Besides the carefully selected pictures, letters and data furnished with the binder, you can use local clippings, pictures, etc., to mighty good advantage. But best of all—you can keep an orderly, handy and attractive "fresh" portfolio file always "ready to go" for any Police or Commercial call.

Your "Zipper Salesman" need never become obsolete. All of the testimonials, etc., that we send you will me made up to fit this binder, and can be added as received. New pictures will also be supplied from time to time, and are only 15 cents each.

And "The Zipper Salesman" is priced low—so you and each of your salesmen can have a copy RIGHT NOW. Order as many as you need and start putting some "zip" into your Police and Commercial sales.

			Code
13805-36—The Zipper Salesman—binder, inserts and 18 pictures cpl., ONLY, net		**$4.95**	elpeb
13806-36—Zipper binder only	net	**2.25**	elpif
13807-36—Extra pictures for binder, each		**.15**	elpli

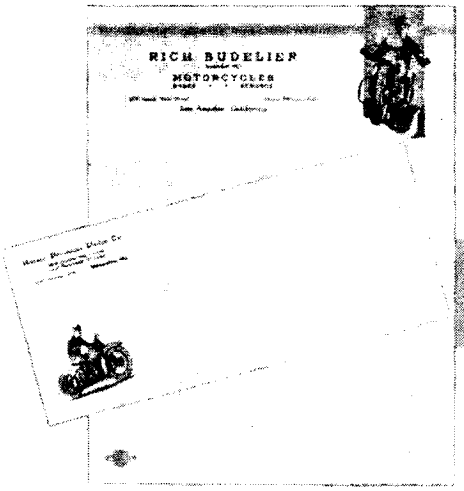
Complete Bookkeeping Set for Dealers

This Harley-Davidson dealers' bookkeeping equipment is intended to provide a dealer with the very simplest yet comprehensive bookkeeping system that will keep him informed at all times on the progress of his business. It is complete with a very fine and substantial binder containing all necessary general ledger forms as well as all accounts receivable and accounts payable. The forms are made up particularly to suit the motorcycle business and will be found very convenient for your purpose. Another binder is provided for filing daily reports of sales and charges together with the necessary extra forms to take care of an average dealer's business for a considerable period.

The bookkeeping set includes comprehensive instructions that will make it possible for anyone to keep accounts properly and accurately. If you are interested in installing a simple yet complete bookkeeping system send for one of these descriptions of the Harley-Davidson bookkeeping system. We will be glad to loan it to you until you decide whether or not this equipment will serve your purpose.

		Code
13775-X—Complete Bookkeeping Set, separate forms, net	**$19.00**	buoyf
13784-X—Cash Sale Sheets, net each	**.04**	bupai
13785-X—Charge Sales Sheets, net each	**.04**	bupem
13786-X—Merchandise Bought Sheets, net each	**.04**	bupge
13787-X—Expenses Sheets, net each	**.04**	bupir
13789-X—Ledger Sheets, net each	**.015**	bupox
13791-X—Monthly Summary Sheets, net each	**.07**	bupuy
13793-X—Daily Cash Report Sheets, net per 100	**.80**	bupsa
13794-X—Daily Charge Report Sheets, net per 100	**.80**	bupuc
13799-X—Set of bookkeeping instructions, net	**1.00**	bupwe

LETTERHEADS AND ENVELOPES



These fine looking, lithographed letterheads identify you as the Harley-Davidson dealer for your community and advertise your business. They are made up in colors showing one of the latest models. Good bond paper is used.

The envelopes are very substantial and are supplied in either of the two ordinary business sizes.

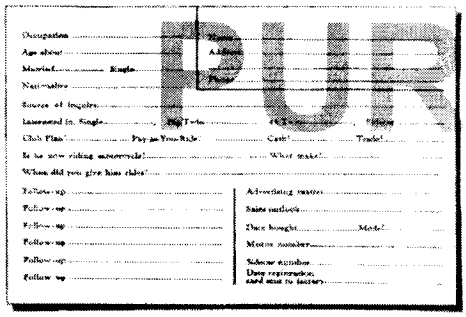
The prices include printing your name, address, phone number, and business on the letterheads, and your return address on the envelopes.

	13760-37 Letterheads		13761-37 Small Envelopes		13762-37 Large Envelopes	
	Code 8½"x10⅞" buoho		Code 3½"x6½" buoip		Code 4"x9½" buoks	
300	$ 3.45	Net	$ 2.14	Net	$ 2.81	Net
500	4.48		3.09		4.13	
1,000	6.88		4.81		6.19	
2,000	12.38		8.25		11.00	
3,000	17.19		11.69		15.81	
5,000	26.81		18.56		25.44	
10,000	50.88		35.75		49.50	

Imprinting Charges

Very often we are asked to imprint dealers' names, addresses, and phone numbers on folders or post cards. We can do this satisfactorily on most of the literature we supply at the following reasonable prices:

Quantity	Total Price	Quantity	Total Price
50	$0.50	500	$1.75
75	.65	750	1.90
100	.75	1,000	2.00
150	.90	2,000	3.00
200	1.00	3,000	3.75
300	1.25	5,000	5.00
400	1.50	10,000	7.50



Keep Posted on Your Prospects

Your prospect file should be kept right up to date. You should have finger-tip information on every prospect. Your mailing list should be alive, with no dead ones on it. And all this is as simple as can be. Just use these 4 x 6 inch prospect cards—file them in a box or special desk drawer. Record your prospects and keep the cards alive and go after the business. Cards printed and ruled on both sides with motorcycle prospect information. Sold in packets of 100 cards.

	Code
13711-X—Prospect File Cards, per 100 cards	$0.25 bykry

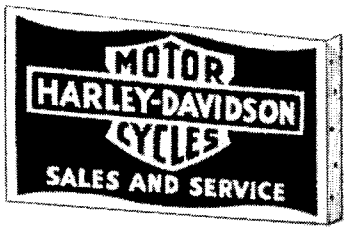
Beautiful Factory Picture

This is a large 12" x 20" panoramic photograph of the factory that gives a good idea of its vast size and modern buildings. Mounted in a well made frame and covered with a glass.

	Code
13820-X—Factory Picture-framed, net	$2.50 borye
13821-X—Factory Picture-unframed, net	1.00 bosaf

FOR RESEARCH PURPOSES ONLY

THE SIGN OF "SERVICE"

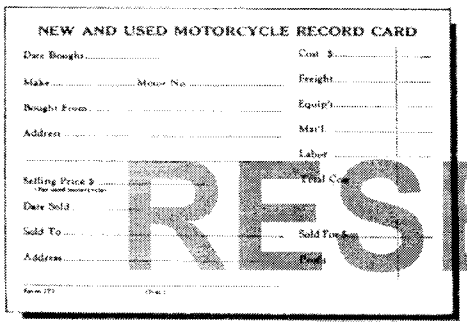


You'll want one or more of these "Welcome" signs for front, rear or side entrances to your store and shop. Made of steel, brightly enameled—black, orange and white—and measure 10" x 18". Turned angle for fastening to wall or post.

Riders and especially tourists appreciate these signs—welcome signs. Other uses may suggest themselves.

You'll be well pleased with the attractive appearance and the durability of this newest and latest Harley-Davidson advertising medium. And the price is very reasonable.

Code
13824-X—Steel Sales and Service sign .....**$0.50** net bybec



For A Complete Motorcycle Record

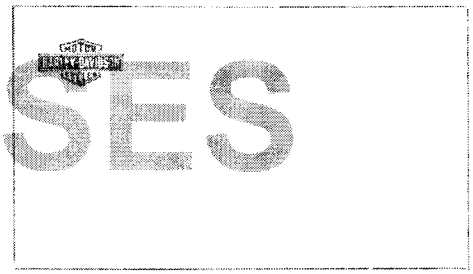
This card enables you to keep a complete record of each new or used motorcycle bought or sold. It gives you all details as to the cost, who it was purchased from and the selling price and the name of the final purchaser. The back of the card is used for entering the repair jobs that are done on this particular motorcycle.

Code
13710-X—Motorcycle Record Cards, net per 100 .....**$0.50** bunsy

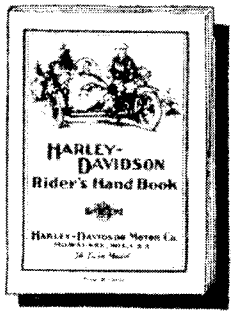
High Grade Business Cards

This is a crisp white card engraved with the Harley-Davidson trademark in red in the upper left-hand corner. The size is just right for a business card, 3½" by 2". We do not imprint these cards, but your local printer will be glad to quote you on printing your name, address, telephone number, etc.

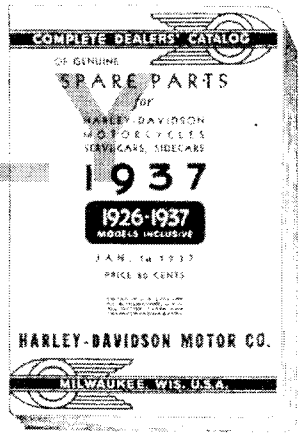
Code
13720-X—Business Cards, net per 100..**$0.50** buntz



Rider's Hand Book



These are furnished with the supplements necessary to cover models the books are required for, so it is necessary to specify the year and model when ordering. Regular price, 25c each.



Parts List for Resale

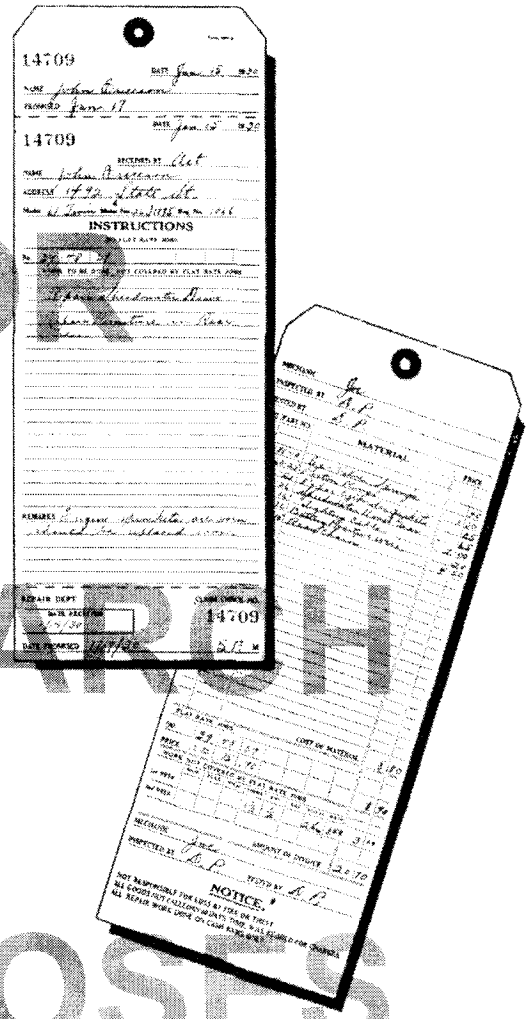
Spare Parts Lists are supplied to any user at the regular retail price. These are the regular lists as published by the factory from time to time. Be sure to mention year and model when ordering.

1926 to 1936	**$0.35**
1930 to 1934	**.20**
1926 to 1937	**.50**

FOR RESEARCH PURPOSES ONLY

A Complete Record of Every Repair Job

One of the essentials for profitable repair shop operation is to have a satisfactory record of the work and material put into each job. This Repair Job Ticket is designed with that in mind. Be sure that it is used as intended and there will be no parts and labor used for which there is no record.

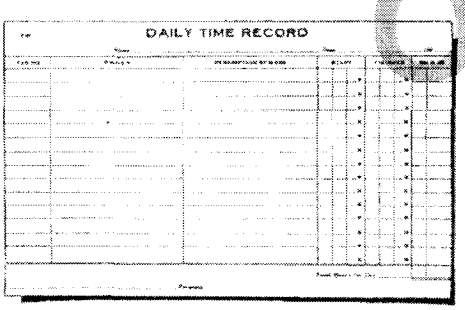


This repair job ticket measures 4⅝" x 12". It is a three part form consisting of a numbered stub to be attached to the repair job itself, a numbered ticket containing instructions as to the work to be done and on the reverse side the parts and material used, and also a numbered claim check which is given to the customer at the time the repair job is taken in. This is an extremely handy and up-to-date repair job ticket that every dealer can use to advantage. All tickets are numbered on all three parts so that the jobs can be identified by number as well as by the name of the customer.

FOR RESEARCH PURPOSES ONLY

13700-X—Repair Job Ticket, net per 100 ..... **$0.75** Code bunkr

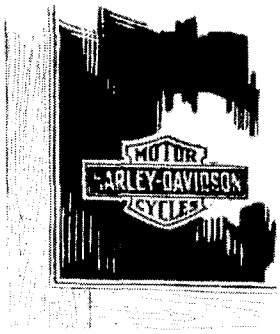
Repairman's Time Record



These records, properly filled out by the mechanic, tell just what jobs he worked on and the time put on each. They are very useful in keeping track of the repair shop time put in on jobs. Size of sheet is 5" x 8".

13701-X—Daily Time Record Sheet, net per 100 ..... **$0.30** Code bunnu

"TRADE-MARK" YOUR DOORS AND WINDOWS



Here is just what you have asked for—a Harley-Davidson window transfer. This large (19" x 9½") trade-mark transfer in red, black, white and gold is just the "spot" for your front door or display window. The colors are bright, attractive and will last.

You can mount one on glass and use it as a hanging sign.

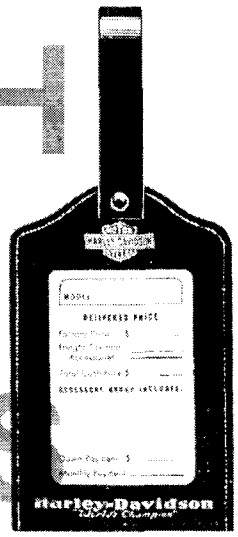
Instructions are on back of each transfer—they are easy to apply—no varnish necessary.

Code
13823-X—"Trade-Mark" Window Transfer ..... $0.50 net by all

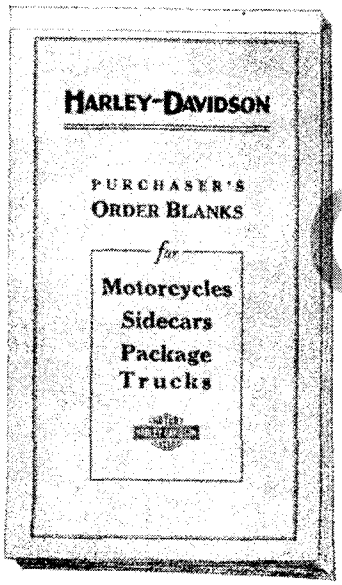
"PRICE TAG" YOUR NEW AND USED FLOOR MACHINES

The neatest sales tag you ever saw for your new and used floor models. These tags actually help make sales. Gives your store a business-like atmosphere. Pockets are of imitation leather. Loop strap for slipping over handle-bar. Inside card is printed on both sides—for NEW or USED machines. You simply fill in price and terms. Cards are easily slipped into or out of pockets.

Buy enough of these sales tags and an extra supply of cards.



Code
13750-X—Price Tag and Holder ..... $0.12½ Each Net by bay
13751-X—Extra Cards for same ..... .01 Each Net by ten



ORDER BLANKS FOR RETAIL SALES

This pad provides you with retail order blanks, 4¾" by 8½", in triplicate. It is intended for any kind of a sale of new or used motorcycle, sidecar or package truck. It provides you with a written order which you can have your customer sign and thus avoid mistakes, arguments, etc.

Code
13722-X Pad of Retail Order Blanks, net per pad of 20 ..... $0.17½ net

FOR RESEARCH PURPOSES ONLY

FOR THE SERVI-CAR USER

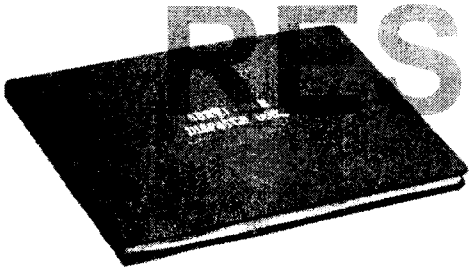
Goes and Gets Business for the Garage

This attractive two-color, four-page folder is just the piece of advertising matter every automotive owner of a Servi-Car will want to mail to customers and prospects announcing that he has adopted this modern method of calling for and delivering cars. The great convenience of Servi-Car Service is emphasized in striking illustrations and is forceful reading matter. Space is provided for the prominent imprint of the dealer's phone number, together with his name and address. Folded size 3⅜" by 6⅛" and fits easily into a small envelope.

Code

13746-X—Servi-Car Announcements folder, per 100 **$0.75** burcn

For Handling the Calls

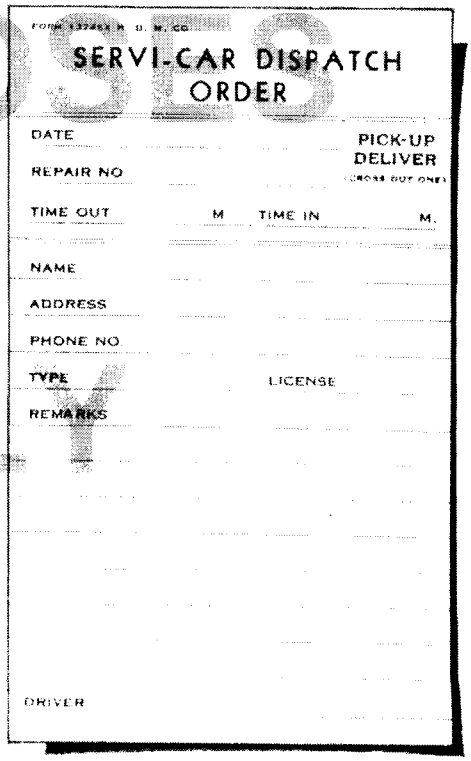


The binder is very substantially made and is large enough to hold 100 Servi-Car Dispatch Sheets. This number also includes 100 Servi-Car Dispatch orders as described below. This set of forms is intended to be sold to garages and repair shops to whom you sell Servi-Cars. This makes a very excellent set of forms for regulating the pick-up and delivery of cars to customers.

The Servi-Car Dispatch Sheets are 11⅞" by 17⅛" made up for the Auto Dealer Service Department to use in entering the time of pick-up and delivery of cars taken in for repairs. Each sheet is intended to cover one day's work and has a space provided for an entry for each 15 minutes of the day.

Code

13743-X—Binder and Sheets ..... **$5.35** bupyg
13744-X—Dispatch Sheets, per 100..... **2.00** burag


SERVI-CAR DISPATCH ORDER

DATE
PICK-UP
DELIVER
(CROSS OUT ONE)
REPAIR NO
TIME OUT M. TIME IN M.
NAME
ADDRESS
PHONE NO
TYPE LICENSE
REMARKS
DRIVER

Issuing Drivers Instructions

This is a small form size 3½" by 5⅝" containing instructions to the Servi-Car driver. It should be made out by the service department manager, or whoever takes the order from the customer, and is handed to the driver so that there will be no question as to what car he is to pick up or deliver and the time he is to do it. This is a companion form to 13744-X.

Code

13745-X—Dispatch Order Forms, per 100 **$0.30** burcl

RESEARCH PURPOSES ONLY

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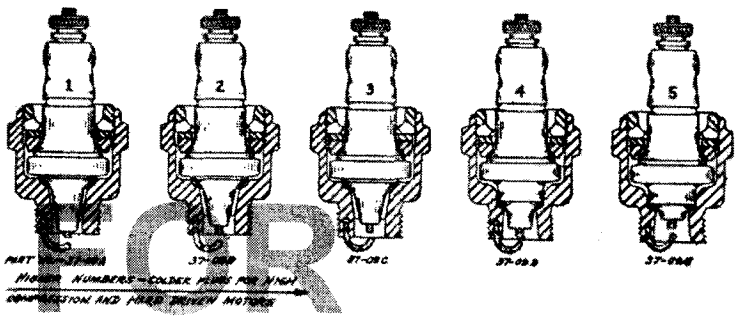
FOR RESEARCH PURPOSES ONLY

IMPROVED SPARK PLUGS FOR EVERY PURPOSE!



After intensive study and research, Harley-Davidson engineers have designed an Improved Spark Plug which more fully meets the rigid qualifications of an ideal sparkplug for use in an air cooled motor. A series of five spark plugs have been developed and there is a plug for every purpose—for low, medium or high compression motors—for running in motors—for ordinary use—for heavy duty service—for running at extremely high speeds or racing. These New Improved Harley-Davidson Spark Plugs meet these specifications and there is no reason why any motorcycle rider should ever want to try any other than Harley-Davidson Improved Spark Plugs. They are the best plugs we could find in our tests and are far superior to those used in the past.

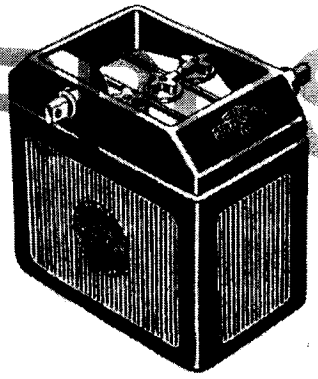
		Code
37-09-A—Spark Plug (No. 1)*	**$0.85**	emazh
37-09-B—Spark Plug (No. 2)*	.85	embaj
37-09-C—Spark Plug (No. 3)*	.85	emben
37-09-D—Spark Plug (No. 4)*	.85	embfo
37-09-E—Spark Plug (No. 5)*	.85	embis

*Lower numbers—Hotter plugs for low compression and moderately driven motor.
*Higher number—Colder plugs for high compression and hard driven motor.
*Number 5 for extremely hard service and racing speeds.

		Code
36-11—Spark Plug (⅞") for models prior to 1926	**$0.85**	adcaf

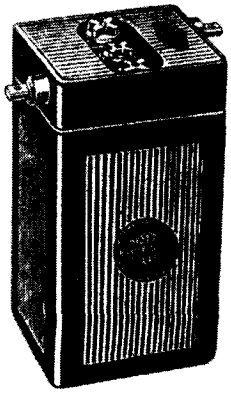
HARLEY-DAVIDSON BATTERIES COST NO MORE

When you need a new battery for your motorcycle, buy the kind that will give you trouble free service for a long time. Harley-Davidson batteries are designed by our own engineers, and are constructed specially to suit the conditions encountered in motorcycle service.



4303-26

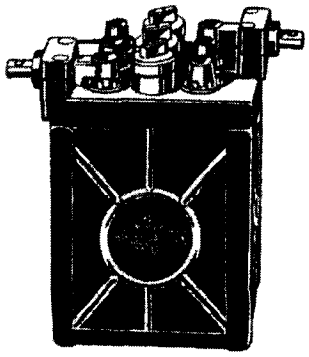
All late model Harley-Davidson Batteries are made with moulded-in terminals and cell connectors. They are moulded into hard rubber—not just covered with wax. This factor plus the extra strong plate fastenings make these the longest-lived batteries on the market.



4303-29

Don't be fooled by imitation batteries of apparently similar construction; look for the Harley-Davidson trademark moulded into the battery case, and get real value for your money.

		Code
4303-26—Battery, charged—for 1926 to 1935 big twins	*$8.95	anaky
4303-29—Battery, charged—for 1929 to 1935 45" twins and singles	* 8.95	avghi
4303-15—Battery, charged—for 1915 to 1925 big twins, 1926 to 1928 singles	* 7.50	anaiw

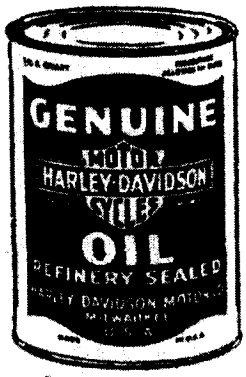


4303-15

ECR RESEARCH PRESS ONLY

GENUINE HARLEY-DAVIDSON OIL

The Rider's Choice



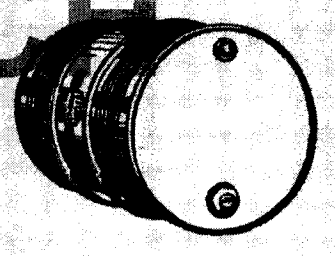
In handy 1 qt. Refinery Sealed Cans, 24 in a Carton

NO ONE OIL can be an all-purpose lubricant. Nor can oils made for water-cooled car, truck or tractor engines, be satisfactorily used for air-cooled motorcycle engines. Do not be confused by high S. A. E. oil numbers. High efficiency, high speed, air-cooled motorcycle engines operate under extreme internal temperatures. These high compression, high r. p. m. motors must have the right kind of oil.

Harley-Davidsons are backed by over 30 years engineering and manufacturing experience. Harley-Davidson oil is backed by this valuable experience plus the satisfaction obtained by thousands upon thousands of satisfied users. Harley-Davidson oil is chosen and made with the same critical care as are Harley-Davidson component parts. You do not experiment—take chances—when you use Harley-Davidson oil.

For most satisfactory low-cost motorcycle service per mile (oil, gasoline and upkeep) use only genuine Harley-Davidson oil. There is a proper grade for any kind of motorcycle service at any time of the year.

Harley-Davidson oil in all three grades is now available in handy, "refinery sealed" one-quart cans. This is the ideal method for retailing oil—no fuss—no muss—no loss. Riders appreciate this quart can package method. Many riders buy it in case lots. And the prices are right.



54 Gallon Drum

FOR RESEARCH PURPOSES ONLY

REGULAR HEAVY OIL

(For all except the coldest weather)

		Code
11702-X—One quart sealed can	$0.30	byhuy
Case of 24 One quart sealed cans (6 gal.)	6.00	
11704-X—54 Gallon drum, per gallon	1.00	bizag

MEDIUM HEAVY OIL

(For cold weather service)

(Use for year round service in 61" O. H. V. motors)

		Code
11707-X—One quart sealed can	$0.30	byhwa
Case of 24 One quart sealed cans (6 gal.)	6.00	
11709-X—54 Gallon drum, per gallon	1.00	bizov

HIGH SPEED SPECIAL OIL

(For high speed or heavy loads—summer use)

		Code
11716-X—One quart sealed can	$0.35	byigl
Case of 24 One quart sealed cans (6 gal.)	7.20	
11715-X—54 Gallon drum, per gallon	1.20	blaju

CRYSTAL OILZUM

(For Racing and Hill Climbing)

		Code
11710-XA—1 Quart cans	$0.75	eoduh