

# SERVICE BULLETIN

M-902

June 4, 1985



## LOCKING/SEALING COMPOUNDS AND TIRE FITMENT

### Locking and Sealing Compounds

The products listed are designed to increase the retention of fasteners and to aid in minor repairs.

#### WARNING

For your personal safety, follow the directions on all listed products. Read all labels, warnings and cautions carefully before using the product.

Harley-Davidson Motor Company recommends the use of locking and sealing compounds as described in Table I. However, the Harley-Davidson Motor Company does not distribute the Loctite® or Duro® products listed. Hylomar® PL 32 sealants are available under the following Harley-Davidson part numbers:

99652-85 Hylomar® PL 32/L14 Spray Can, 5 oz.  
99651-85 Hylomar® PL 32/L25 Can, w/brush  
99653-85 Hylomar® PL 32/H Tube

TABLE I

PRODUCT	COLOR	TYPE & APPLICATION
Loctite® Threadlocker 222	Purple	Adhesive, low strength — For fasteners of less than 1/4 in. dia. — General body hardware.
Loctite® Threadlocker 242 Duro Lock N' Seal®	Blue	Adhesive, medium strength — For 1/4 in. dia. and larger fasteners — Lock fender braces, master cylinder bolts, brake disc mounting bolts, brake anchors, exhaust flanges and general body hardware.
Loctite® Threadlocker 271 Duro Stud N' Bearing®	Red	Adhesive, very high strength — For 1 in. dia. and smaller fasteners — Secure upper and lower fork assemblies, shock absorber mounts, fittings, axle nuts, shift lever screws, cylinder head and crankcase studs and handlebar clamps.
Loctite® Threadlocker 290 Duro Wick N' Lock®	Green	Penetrating material, high strength — Lock adjustment screws and assembled parts. Secure footrests and kick starters.
Loctite® RC/609	Green	Retaining compound, 3000 psi shear strength — Retain brake pedal bushings, mainshaft sprockets, countershafts, oil seals, drive train, linkage, clutch hub and sprocket assemblies.
Loctite® RC/620	Green	Retaining compound, high temperature, 3000 psi shear strength — Locking crankpin and flywheel nuts.
Loctite® Gasket Eliminator® 504	Orange	Sealant, instant — Make emergency gaskets on-the-spot. Seal crankcase covers, cylinders to crankcase, oil pumps and rocker arm covers.
Loctite® Superbonder® 495	Clear	Adhesive, instant — bond brake pedal and kick starter pads. Secure loose hand grips. Repair loose windshield moldings and other rubber, vinyl and plastic components.
Hylomar® PL 32	Blue	Sealant, non-hardening — Retain engine gaskets in place during assembly. Seal crankcase halves.

ROUTING:	SERVICE MANAGER	SALES MANAGER	PARTS MANAGER	CHIEF MECHANIC	MECHANIC NO. 1	MECHANIC NO. 2	MECHANIC NO. 3	MECHANIC NO. 4	RETURN THIS TO:
INITIAL HERE									

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**TABLE I (CONT'D)**

PRODUCT	COLOR	TYPE & APPLICATION
Loctite® Pipe Sealant With Teflon®	White	Sealant, general purpose — Seal threaded fuel line fittings, hydraulic brake line fittings, engine plugs and oil drain plugs.
Loctite® Anti-Seize	— —	Lubricant, heavy duty, temperature resistant — Prevent galling, seizing and corrosion on front and rear axles.
Loctite® Safety Solvent	— —	Cleaner, general purpose — Dissolve grease, dirt and oil from parts quickly and safely.
Locquic® Primer N	— —	General purpose primer — Used for Loctite® pipe sealants and flange sealants.
Locquic® Primer T	— —	Fast curing primer — Used for Loctite® threadlockers, retaining compounds and sealants.
Locquic® Primer NF 736	— —	Very fast curing primer — Used for Loctite® threadlockers, retaining compounds and sealants

## 1985 Motorcycle Tire Fitment

The accompanying tire fitment chart gives the tire and tube combinations and the tubeless tires and tire valve combinations for all 1985 models. Always refer to the label on the wheel rim for the proper tire series. See Figure 1 for a rim label illustration. Never use a tire from a series different than that called for on the label. For example, you should never put a WWW series tire on a wheel that calls for an SSS series tire.

### WARNING

Use only Harley-Davidson WWW series tires on this rim. For proper fit use tire mounting lubricant and do not inflate over 40 psi to seat bead, otherwise, tire, tube or rim failure will result and may cause personal injury.

Figure 1. Sample Rim Label

### WARNING

Always use rim strips with all laced wheels. Do not mix tire brands or tube type and tubeless tires on the same vehicle. Mismatching tires could cause handling difficulties and create an unsafe condition. Do not use tubeless tires on rims designed for tube type tires; unless, an inner tube is installed. Rims designed for tubeless tires are marked "tubeless".

To find the correct tire and tube or tire valve for tubeless tires for a motorcycle, locate the tire series as given on the rim label, and the model of the vehicle in the left column of the tire fitment chart (Table II). The tire, tube and tire valve information is given in Tables II, IV, and V.

Example 1: The rear tire for an XLH must be a "WWW" with an "H" tube for laced wheels. For cast wheels the "WWW" tire would be used with an "S" valve.

Example 2: The rear tire for an FLTC must be an "SSS" with an "S" valve. Also, an identical tire must be installed on the front wheel.

### RECOMMENDED TIRE INFLATION PRESSURES

Tire inflation pressures are listed in Table II and III. These recommended inflation pressures supersede all previously published inflation pressures.

### WARNING

Do not exceed the maximum tire pressure listed on tire sidewall.

The tire inflation pressures are based on rider and passenger weights of approximately 150 lbs each.

**TABLE II**  
**1985 MODELS — DUNLOP TIRE AND FITMENT**

MODEL	FRONT WHEEL						
	TIRES OEM (DUNLOP)				TUBE OR VALVE	TIRE PRESSURE psi (COLD)	
	WHEEL	H-D SERIES	DESIGN	SIZE		SOLO	WITH PASSENGER
XL MODELS	19" LACED 19" CAST	YYY	K181	MJ90-19	K T	26	26
FXEF & FXSB	19" LACED 19" CAST	YYY	K181	MJ90-19	K T	30	30
FXWG & FXST (EARLY 85)	21" LACED	ZZZ	"F" RIB	MH90-21	L	30	30
FXWG & FXST (LATE 85)	21" LACED	ZZZ	"F" RIB	MH90-21	L	30	30
FXRS & FXRT	19" CAST	YYY	K291T	MM90H-19	T	30	30
FXRC	19" LACED	YYY	K291T	MM90H-19	K	30	30
FXRP	19" CAST	YYY	K181PT	MT90S-16	T	30	—
FLHPC & FLHPB	16" LACED 16" CAST	TTT	K101A	MT90-16	H S	28	28
FLTC, FLHTC & FLHTP (EARLY 85)	16" CAST	SSS	K101A	MT90-16	S	28	28
FLTC, FLHTC & FLHTP (LATE 85)	16" CAST	SSS	K291T	MT90S-16	S	36	36
TLE (EARLY 85)	16" CAST	SSS	K101A	MT90-16	S	SEE CHART III	
TLE (LATE 85)	16" CAST	SSS	K291T	MT90S-16	S	SEE CHART III	

MODEL	REAR WHEEL						
	TIRES OEM (DUNLOP)				TUBE OR VALVE	TIRE PRESSURE psi (COLD)	
	WHEEL	H-D SERIES	DESIGN	SIZE		SOLO	WITH PASSENGER
XL MODELS	16" LACED 16" CAST	WWW	K181	MT90-16	H S	30	32
FXEF & FXSB	16" LACED 16" CAST	WWW	K181	MT90-16	K T	32	32
FXWG & FXST (EARLY 85)	16" LACED	TTT	K101A	MT90-16	H	28	28
FXWG & FXST (LATE 85)	16" LACED	WWW	K181	MT90-16	H	32	32
FXRS & FXRT	16" CAST	WWW	K291T	MT90S-16	S	36	40
FXRC	16" LACED	WWW	K291T	MT90S-16	H	36	40
FXRP	16" CAST	WWW	K181PT	MM90S-16	S	32	—
FLHPC & FLHPB	16" LACED 16" CAST	TTT	K101A	MT90-16	H S	36	36
FLTC, FLHTC & FLHTP (EARLY 85)	16" CAST	SSS	K101A	MT90-16	S	36	36
FLTC, FLHTC & FLHTP (LATE 85)	16" CAST	SSS	K291T	MT90S-16	S	36	40

**TABLE III****FLT MODELS — DUNLOP TIRE PRESSURE FOR OPERATION WITH SIDECAR (TLE)**

TYPE OF OPERATION	FRONT		REAR		SIDECAR	
	K101A	K291T	K101A	K291T	K101A	K291T
SOLO	28	36	36	40	28	36
RIDER AND SIDECAR PASSENGER	28	36	36	40	28	36
RIDER AND SIDECAR PASSENGER, AND PASSENGER ON MOTORCYCLE	28	36	40	40	28	36

**TABLE IV****INNER TUBES (See Notes below)**

TUBE GROUP	SIZE	VALVE STEM TYPE	VALVE STEM POSITION
H	MT90-16 (5.00/5.10 - 16)	Metal (1)	Side
K	MJ90-19 (3.25/3.50 -19)	Rubber (2)	Center
L	MH90-21 (3.00/3.25 -21)	Metal (3)	Center

(1) Fits 11/32 in. (.345) diameter valve stem hole.

(2) Fits 29/64 in. (.453) diameter valve stem hole.

(3) Fits 21/64 in. (.333) diameter valve stem hole.

**NOTES:**

Rim strips must be used with all laced wheels.

Inner tubes are available from various manufacturers. The Carlisle Tire & Rubber Company is now a production supplier of inner tubes. The address and telephone numbers of two full line Carlisle distributors are listed below:

Sure Fire Distributing  
50 Coxe Avenue  
Ashville, North Carolina  
(800) 438-5821

Motion Sports  
1202 South Bennett Avenue  
Tyler, Texas  
(214) 595-3544

**TABLE V****TUBELESS TIRE VALVES**

VALVE GROUP	H-D PART NUMBER	RIM VALVE HOLE DIAMETER
S	43157-83A	.34 in.
T	43150-83	.45 in.