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**– July 1994 –  
#39**

# **TECH TIPS #39**

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# TECHNICAL TIPS #39

*JULY 1994*

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## **\*\* ALL MODELS \*\***

### *CYLINDER STUD AND BASE GASKET CHANGES*

Two recent production changes have occurred which are intended to further enhance base gasket sealing. A new style cylinder stud and a new "silicone bead" base gasket are now in production. Both changes are fully outlined in Service Bulletin M-1043 and Service Bulletin TSB-1043. Please refer to these publications for complete information. To quickly summarize, both parts do retrofit to earlier vehicles and will soon be the only parts available. The new part numbers are:

CYLINDER STUDS: 16832-86C - XL models  
16837-85C - 1340cc models

BASE GASKETS: 16774-86D - all models

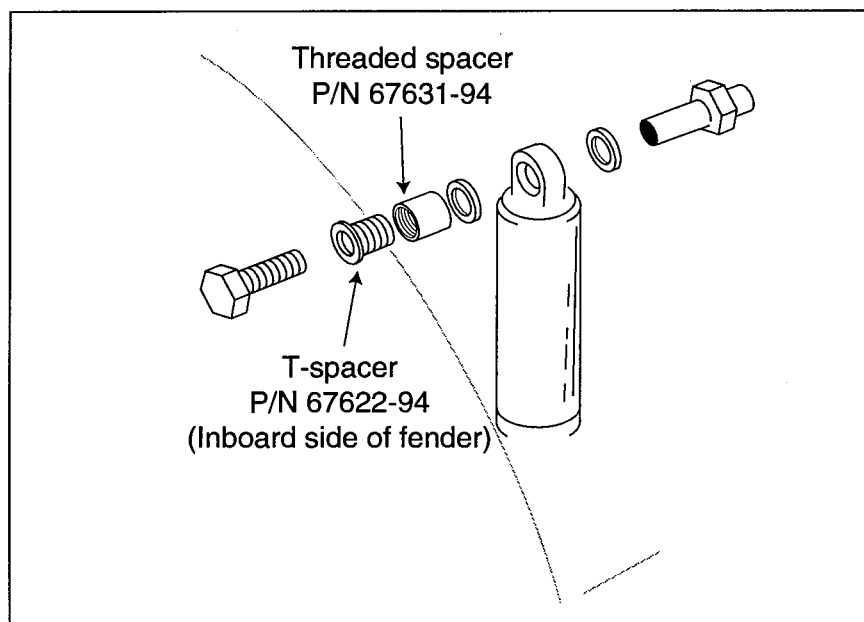
There are some installation differences from earlier parts, so it would be wise to review this recent service bulletin before using any of these new parts. This information will also be incorporated into next year's (1995) Service Manuals.

## **\*\* FL MODELS \*\***

### *NEW FENDER MOUNTING HARDWARE*

Road King models feature some new and unique mounting hardware for the rear fender. A special spacer and fastener are being used to position the rear fender between the frame sections. They thread together and “sandwich” both sides of the painted fender. This greatly simplifies assembly both at York and for the field technician by pre-assembling **before** the fender is installed on the motorcycle. It is important that these two pieces be tightened only **finger tight** during assembly!! No tools are required or should be used.

The threaded spacer, between the frame and fender, is part number, 67631-94.  
The T-spacer, on the inboard side of the fender, is part number, 67622-94.



### *PART NUMBER ADDITION*

The O-ring that seals the electronic speedometer sensor to the transmission case on the Road King (FLHR) is not shown in the parts book. The part number is 11140.

## **\*\* DISCOLORATION BLUES \*\***

### *RUSTY ALUMINUM ?*

We all know aluminum doesn't rust, but every so often we find some engine or transmission part that is turning gold or rust color. Harley-Davidson is searching for answers as to why this happens and will take action to eliminate the problem. In the meantime, you can clean these parts using the following household or automotive products - **ALL OUT** Bath & Kitchen Cleaner, **CLR** Calcium, Lime, and Rust remover, and **SHOWER POWER** Heavy Duty Bathroom Cleaner.



The above products can be bought at most large food stores in the bathroom cleaner area or at hardware stores.

Spray or squirt the cleaner onto the casting. With a stiff brush work the cleaner over all the discolored surfaces. After 3-5 minutes, rinse the area with fresh water.

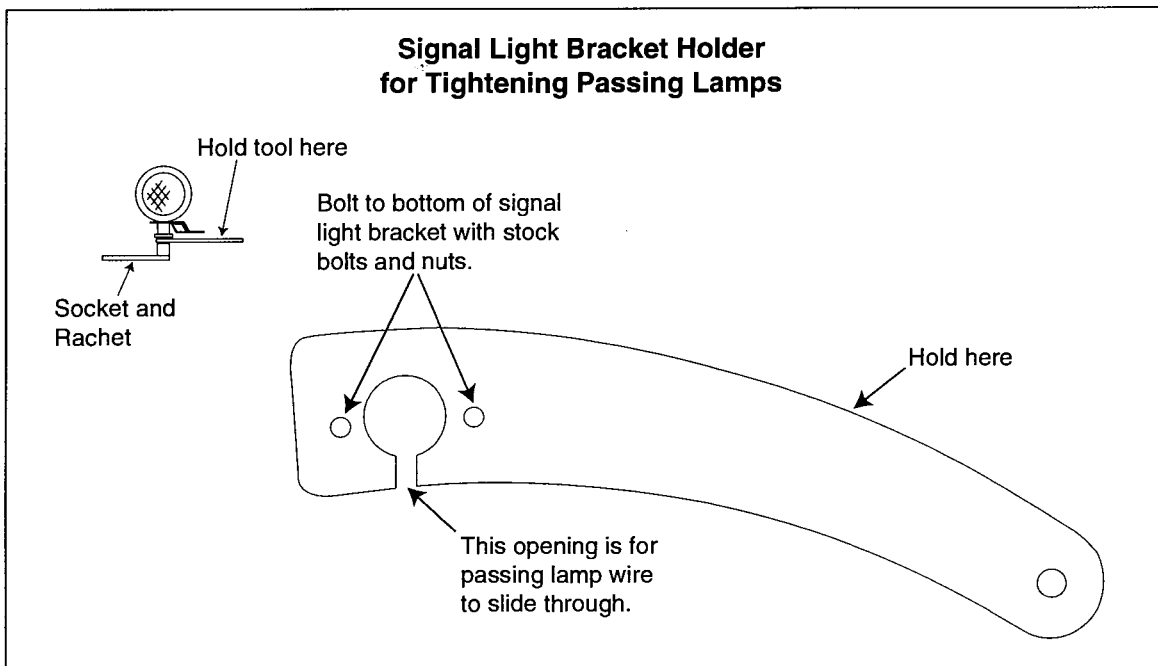
The following two cleaners did a good job of cleaning the aluminum, but they will also remove the bright chromate finish from zinc plated parts such as nuts, bolts, shifter rods etc.- **MOTHER'S WHEEL MIST** and **EAGLE ONE Mag Cleaner**. We do not recommend them to be used on assembled motorcycles, but can be used on engines or transmissions that are torn down and require "rust" removal.



## **\*\* FIELD TIPS \*\***

### *PASSING LAMP ADJUSTMENT TOOL*

**Mike Gigantino, technician at Brother's Harley, New Haven, CT,** designed and fabricated a special tool for adjustment of FL/ Heritage passing lamps. Mike adds two additional holes to an old Sportster fender mounting plate, part number 59242-90. These should be in abundant supply. They are removed when sissy bars are installed. Bolted to the underside of the passing lamp, this gives you a handle to keep the bracket straight when tightening the lamp.



### *1340 TAPPET INSTALLATION MADE EASY*

**Charles Coleman, from H-D of Dothan, AL** writes about an easy way for "one-armed technicians" to retain tappet assemblies in guides during installation. Charles straightens the ends of a Softail oil line clamp, part number 10079 and inserts the ends into the hydraulic unit's oil holes. Charles says, "one-handed, first time, every time". Great suggestion and a Customer Service shirt goes out to Charles at Dothan.

