

# SERVICE BULLETIN



M-1030

October 2, 1992

## ADDITIONAL 1992 MODEL CHANGES

### BELT DRIVE SPROCKET FASTENERS

As a product improvement, Harley-Davidson has increased the torque specification for cast wheel sprocket fasteners from 45-55 ft-lbs to 55-65 ft-lbs. The new torque values are:

- Laced wheel ..... 45-55 ft-lbs torque.
- Cast wheel ..... 55-65 ft-lbs torque.

Check customers' sprocket fasteners during routine maintenance.

### HORN RELAY

At the beginning of the 1992 model year, Harley-Davidson began producing vehicles with a more powerful horn. This horn created radio frequency interference which could cause erratic radio operation on vehicles equipped

with a radio.

See Figure 1. In December, 1991, a horn relay was added to the power line to prevent radio interference. On vehicles equipped with a horn relay, the power line comes from the main circuit breaker silver stud, rather than an accessory circuit breaker. In model year 1993 an internal capacitor was incorporated in the horn to prevent radio interference. The horn relay was eliminated and the power line was routed from an accessory circuit breaker.

You can see if a radio-equipped vehicle, produced during this time period, has a horn relay. The horn relay is on the left side of the vehicle, under the fuel tank, and tie-wrapped NEAR the stabilizer link. It is the same relay as the brake relay.

#### NOTE

*Make a note of these changes in your Service Manuals.*

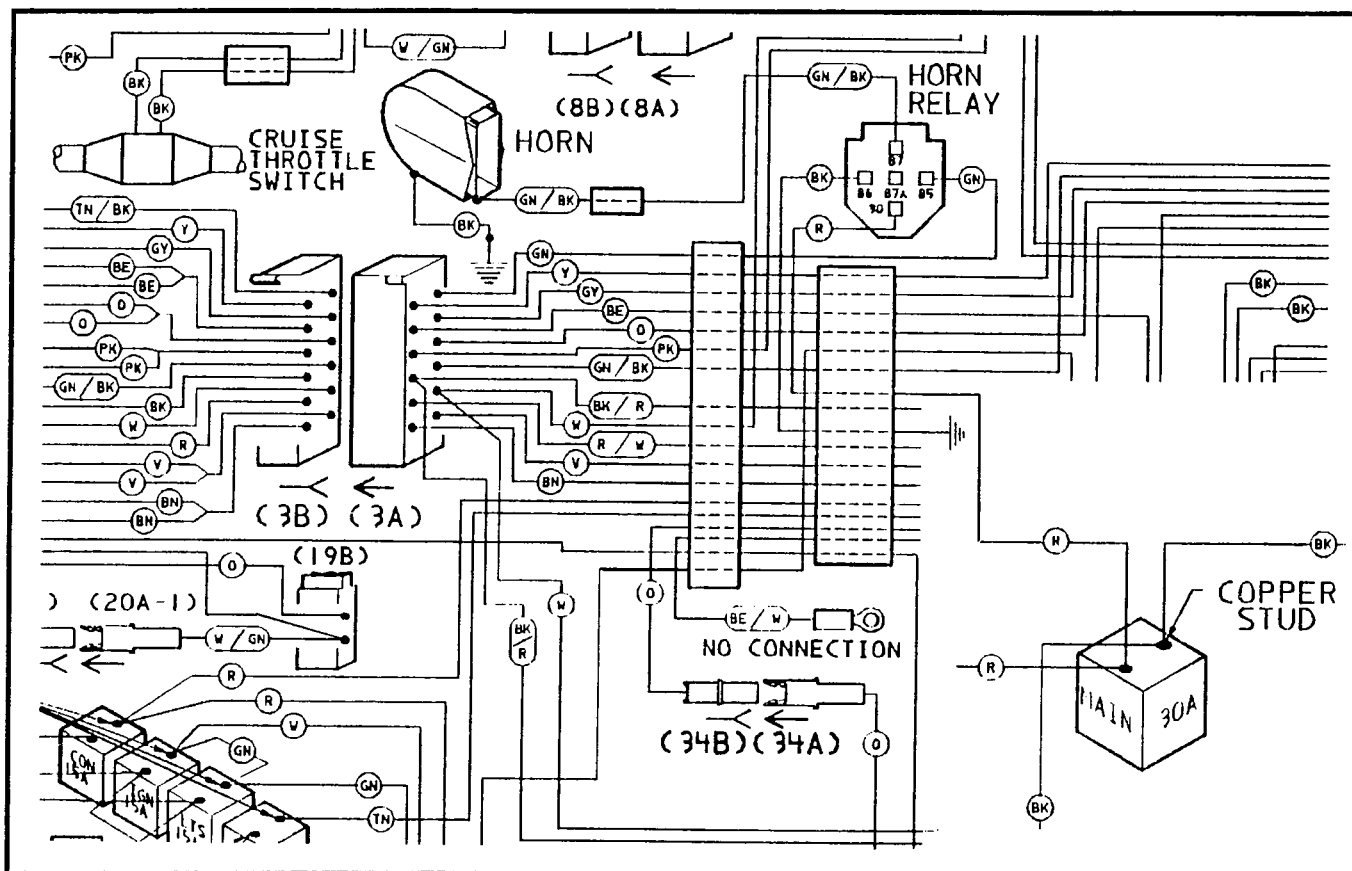


Figure 1. Horn relay, Late 1992

ROUTING	SERVICE MANAGER	SALES MANAGER	PARTS MANAGER	LEAD TECHNICIAN	TECHNICIAN NO. 1	TECHNICIAN NO. 2	TECHNICIAN NO. 3	TECHNICIAN NO. 4	RETURN THIS TO
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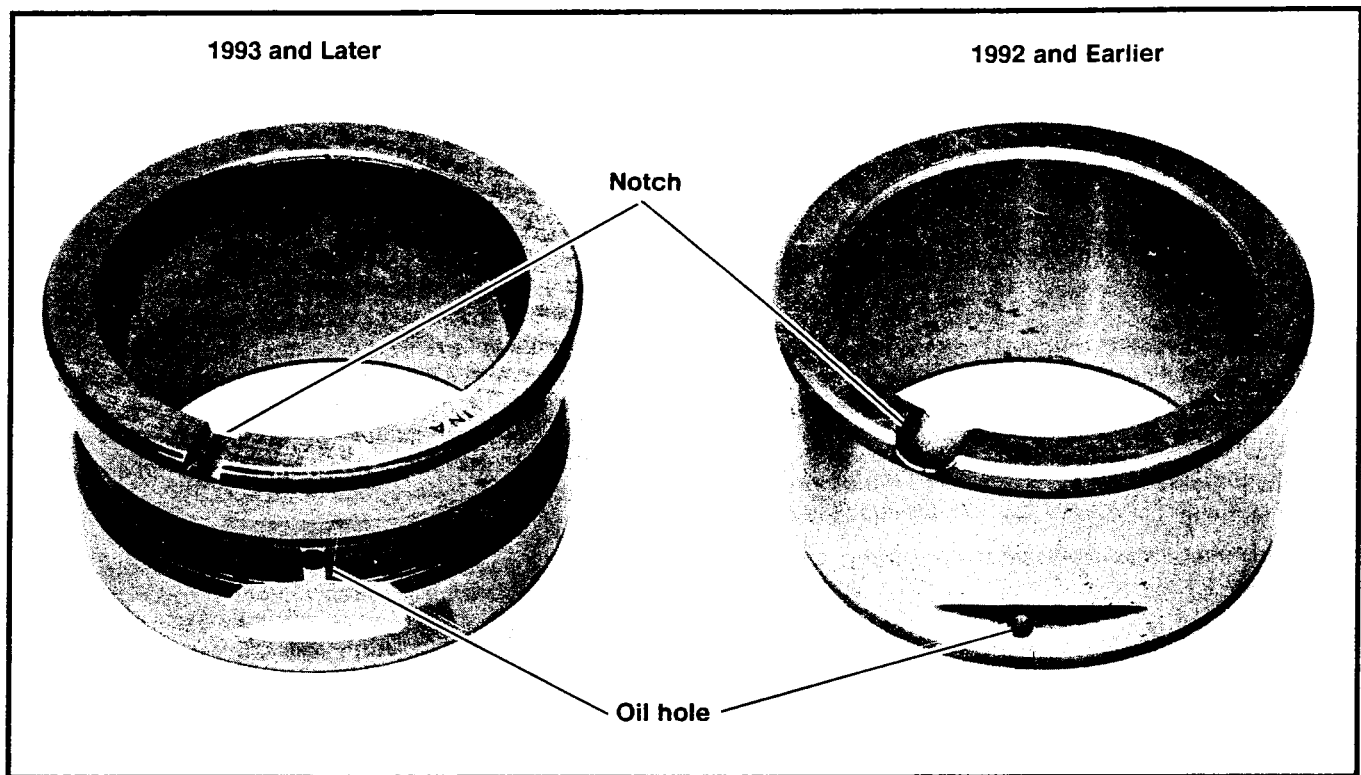


Figure 2. Pinion Shaft Outer Race - 1992 and Earlier, 1993 and Later

## PINION BEARING OUTER RACE

See Figure 2. The 1993 1340cc engines have a new pinion bearing outer race.

A new P&A race, Part No. 24599-58B will retrofit all Big Twin crankcases back to the year 1958, but it is critical that the race is installed with the notch pointing straight up, into the "V", as in the past. If the race is NOT installed with the notch pointing straight up, the pinion bearing will not be properly lubricated.

The new race is the **ONLY** race that can be used on the 1993 Big Twin crankcases. **DO NOT** use pinion bearing outer race with the -58A # on a 1993 Big Twin.

The new race will come in three sizes:

Standard .....	24599-58B
0.002 in. oversize O.D. ....	24600-58B
0.005 in. oversize O.D. ....	24601-58B

The existing stock pinion bearing outer race with the -58A # will be used up and automatically superseded by the pinion bearing outer race with the -58B #.