

Technical Service Bulletin Number	Revision Level	Date	Group Number
TSB030003			



## Technical Service Bulletin

### Subject

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Gear Housing or Gear Damage Prevention

Original Early Field Notification Number: e03003.

### Issue

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This document outlines the procedure for correcting and preventing the gear housing locating dowel pin from falling out of the gear housing, possibly resulting in gear housing and/or gear train damage.

### Verification

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This problem has **only** been observed on 6B engines built prior to June 1998 equipped with the Bosch P7100 fuel pump.

The following procedure is recommended if a 6B engine with Bosch P7100, inline, fuel injection pump built before June 1998, has the front gear cover removed for any reason. In 1998 the gear housing casting was changed so that the locating dowel pin could **not** fall out of the housing.

Not Applicable

Not Applicable

Not Applicable

### Resolution

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**NOTE:** Two versions of the gear housing exist. One version has a raised boss around the dowel hole. The second does not have the boss. Refer to the appropriate corresponding procedure.

✓ **Bossed Gear Housing**

1. Push dowel pin back into dowel hole.
2. Use a punch to stake the inside of the dowel pin hole so that the created bur prevents the dowel pin from moving in the gear housing.

SORRY THIS IMAGE  
IS CURRENTLY NOT  
AVAILABLE

3. Re-torque all accessible gear housing capscrews to 24 N•m [18 ft-lb].

**NOTE:** It may be necessary to bar the engine to gain access to the capscrews located behind the cam gear.

**Non-bossed Gear Housing**

1. Remove the gear housing mounting capscrew located directly adjacent to the locating dowel pin.

SORRY THIS IMAGE  
IS CURRENTLY NOT  
AVAILABLE

2. Install the tabbed waster, part number 3958017 , so that the tab covers the dowel pin hole in the housing.

SORRY THIS IMAGE  
IS CURRENTLY NOT  
AVAILABLE

SORRY THIS IMAGE  
IS CURRENTLY NOT  
AVAILABLE

3. Torque the capscrew to 24 N•m [18 ft-lb].
4. Re-torque all accessible gear housing capscrews to 24 N•m [18 ft-lb].

**NOTE:** It may be necessary to bar the engine to gain access to the capscrews located behind the cam gear.

## **Warranty Statement**

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Gear Housing or Gear Damage Prevention

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The information in this document has no effect on present warranty coverage or repair practices, nor does it authorize TRP or Campaign actions.

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