

IN-VEHICLE SERVICE (Continued)

Item	Part Number	Description
11	6A339	Main Thrust Bearing Lower
12	6W332	Main Bearing Rear Lower
13	6327	Rear Intermediate Cap Assy

(Continued)

Item	Part Number	Description
14 A	6A325	Rear Cap Assy Tighten to 75-85 N·m (55-63 Lb·ft)

TA8600G

Connecting Rod Bearings

The connecting rod bearings are a selective fit to provide the necessary clearance. Refer to Section 03-00 to measure clearance and select the proper bearing insert.

NOTE: This operation is performed easiest out of the vehicle, but can be done while still in vehicle.

Removal

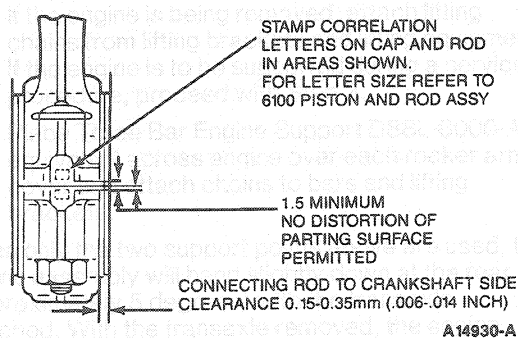
1. Disconnect battery ground cable and set aside.
2. Drain cooling system.
3. Drain crankcase.
4. Remove spark plugs.
5. Raise vehicle on hoist. Refer to Section 00-02.
6. Remove oil pan as outlined in this section.
7. Remove oil pump assembly if required.
8. Turn crankshaft until connecting rod from which the bearings are to be removed is at lowest point of travel.
9. Loosen retaining nuts and remove from cap. Place retaining nuts so that they may be reinstalled on the same rod bolt.
10. Tap cap with a plastic mallet to separate from connecting rod. Carefully remove cap from crankshaft. If lower bearing remained on crankshaft carefully grasp both sides and remove (oil acts as an adhesive between two precision fitted components). Use extreme care to not scratch crankshaft journal.
11. Install protective rubber caps onto connecting rod bolts to protect crankshaft journal from bolt threads. Rubber fuel line can also be used.
12. Remove upper bearing insert. Push piston up enough to grasp bearing. If bearing remained on crankshaft, allow bearing to remain in contact with crankshaft journal and carefully rotate to bottom side of journal. Using care, remove bearing from crankshaft.
13. Inspect bearings, crankshaft journal and connecting rod bearing surfaces for damage or wear.

Installation

Lightly oil all bolt and stud bolt threads before installation.

CAUTION: Contaminants allowed to remain on the cap or bearing can distort the bearing or damage the crankshaft journals which may result in engine failure.

1. Thoroughly clean bearing inserts, connecting rod cap and connecting rod.
2. Lubricate crankshaft journal with Engine Assembly Lubricant D9AZ-19579-D (ESR-M99C80-A) or equivalent. Ensure the entire journal is well lubricated.
3. Install bearing insert in the connecting rod and pull the rod down until it seats on the crankshaft. When installing bearing insert ensure tab on bearing engages slot in rod and that bearing is fully seated in rod.
4. Install bearing insert in connecting rod cap and lubricate bearing surface with Engine Assembly Lubricant D9AZ-19579-D (ESR-M99C80-A) or equivalent.
5. Remove protective rubber caps from rod bolts.
6. Install connecting rod cap and the retaining nuts. Install caps with code letters on same side as code letters on rods. Tighten nuts to 35 N·m (26 lb·ft).



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