

INTRODUCTION

This installation kit is required with applying the AGB 250 electric actuator to RB (Robert Bosch) PEP fuel injection pumps, which are equipped with mechanical governors.

DESCRIPTION

The installation kit provides all the necessary parts to shim and hold the fuel injection pumps camshaft end bearing and seal in the pumps lubrication fluid.

PARTS LIST

PART NO.	QTY.	DESCRIPTION
PL 6748A	1	Retainer Plate Assembly
SR 6715-1	2	Bearing Shims
SR 6715-2	3	Bearing Shims
SR 6715-3	1	Bearing Shim
SR 6715-4	3	Bearing Shims
GA 6712	1	Gasket
RG 671	1	Guide Retainer Ring
PG 678	1	Lube Oil Plug

INSTALLATION

SHIMMING OF BEARING RETAINER PLATE:

NOTE: Save the .025" shims that were removed with the mechanical governor for possible re-use.

1. Measure the depth of the bearing cavity in the bearing retainer plate. See Figure 1. This will be dimension "A".

2. Measure the protrusion of the camshaft bearing from the face of the pump as shown in Figure 2. This will be dimension "B".

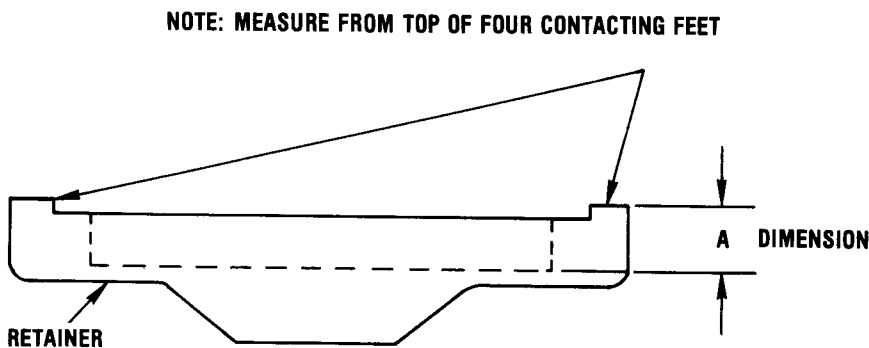


Figure 1. Depth measurement

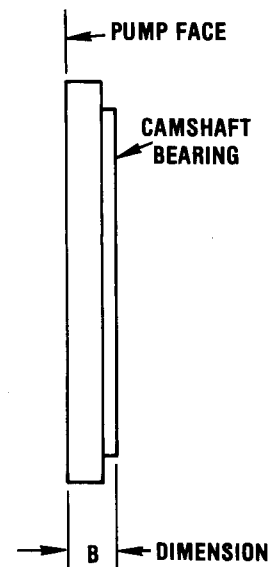
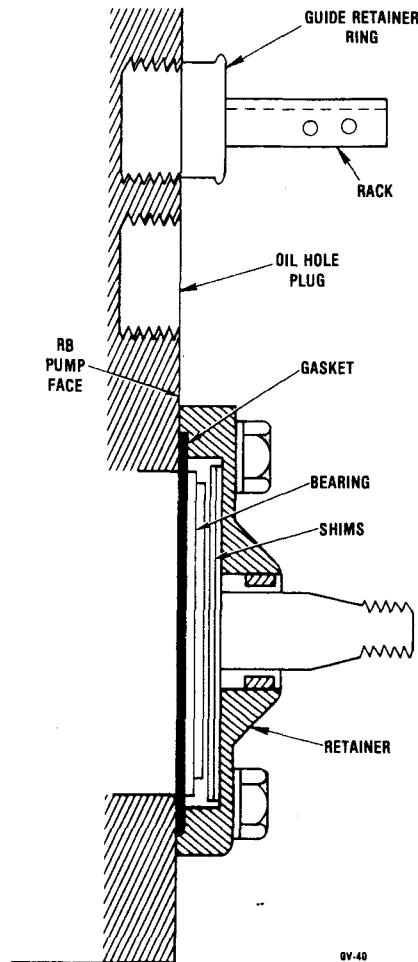


Figure 2. Protrusion measurements

3. Subtract "B" from "A". This is the amount of shims needed for zero clearance between the retainer and bearing. Shimming to this distance is made possible by combinations of shims through-out the range, thus allowing camshaft end play to remain within manufacturer's specifications. 0.020" shims are furnished in quantity to allow for combinations which necessitate removal of one of the original shims.
4. After installing the correct thickness of shims into the bearing retainer, place the gasket in position on the retainer and install it over the bearing using two of the original bolts and washers torqued to 7-9Nm (9.5-12.25 lb. ft.) in the upper two holes of the retainer. (The bottom two holes are left open to take the long bolts that go through the integral actuator. See Figure 3).
5. Coat threads of guide retaining ring with sealing compound.
6. Install guide retaining ring over rack and screw into pump snugly. This guide ring is utilized to provide a mounting surface for an internal dust boot. (See Figure 3).
7. Coat threads of oil hole plug with sealing compound. This prevents actuator from filling with oil.
8. Install oil hole plug into pump snugly.

**Figure 3. Governor end of pump**