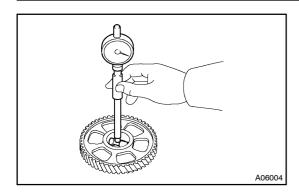
EM0WI-01



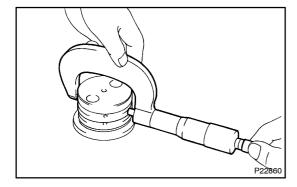
## INSPECTION

## 1. INSPECT IDLER GEAR

(a) Using a cylinder gauge, measure the inside diameter of the idler gear.

Idler gear inside diameter:

45.000 - 45.025 mm (1.7717 - 1.7726 in.)



(b) Using a micrometer, measure the diameter of the idler gear shaft.

Idler gear shaft diameter:

44.950 - 44.975 mm (1.7697 - 1.7707 in.)

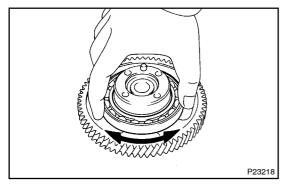
(c) Subtract the idler gear shaft diameter measurement from the idler gear inside diameter measurement.

Standard oil clearance:

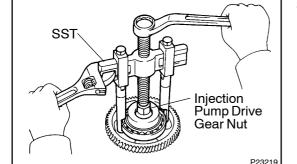
0.025 - 0.075 mm (0.0010 - 0.0030 in.)

Maximum oil clearance: 0.20 mm (0.0079 in.)

If the clearance is greater than maximum, replace the gear and shaft.

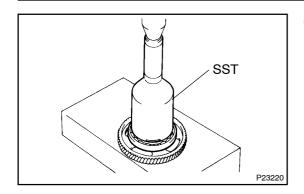


2. INSPECT INJECTION PUMP DRIVE GEAR BEARING Check that bearing is not rough or worn.



## 3. IF NECESSARY, REPLACE INJECTION PUMP DRIVE GEAR BEARING

(a) Remove bearing
Using SST, remove the bearing
SST 09950-40010 (09951-04010, 09952-04010, 09953-04020, 09954-04010, 09955-04040)



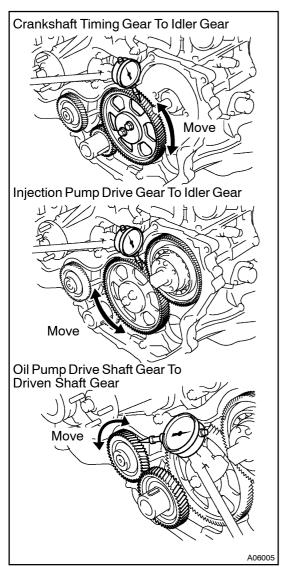
(b) Install bearing

Using SST and a press, press in a new bearing.

SST 09502-12010

09223-15020

09950-70010 (09951-07100)



## 4. CHECK BACKLASH OF TIMING GEARS

- (a) Install the gears.
- (b) Using a dial indicator, measure the backlash.

Standard gear backlash:

0.05 - 0.15 mm (0.0020 - 0.0059 in.)

Maximum gear backlash: 0.30 mm (0.0118 in.)

If the gear backlash is greater than maximum, replace the gears as a set.

(c) Remove the gears.