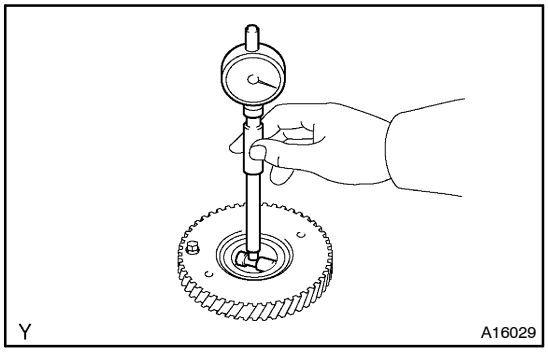
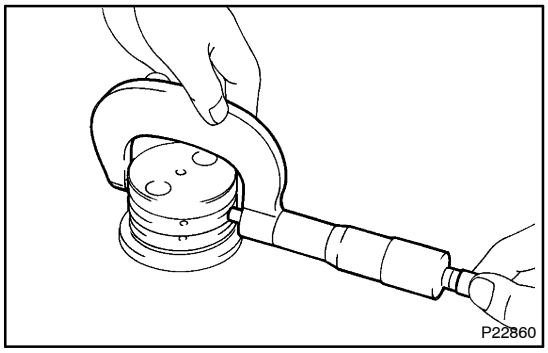
EM1SZ–01

INSPECTION



1. INSPECT IDLER GEAR

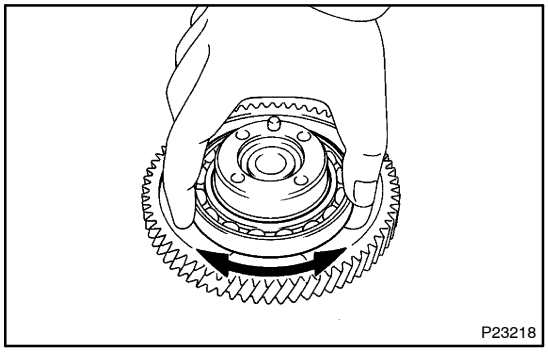
(a) Using a cylinder gauge, measure the inside diameter of the idler gear.
Idler gear inside diameter:
45.045 – 45.065 mm (1.7734 – 1.7742 in.)



(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.)

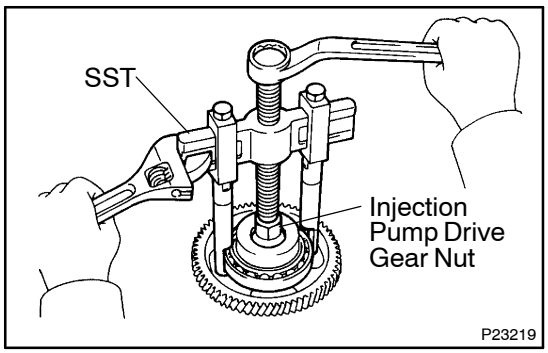
(c) Subtract the idler gear shaft diameter measurement from the idler gear inside diameter measurement.
Standard oil clearance:
0.070 – 0.115 mm (0.0028 – 0.0045 in.)
Maximum oil clearance: 0.115 mm (0.0045 in.)

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



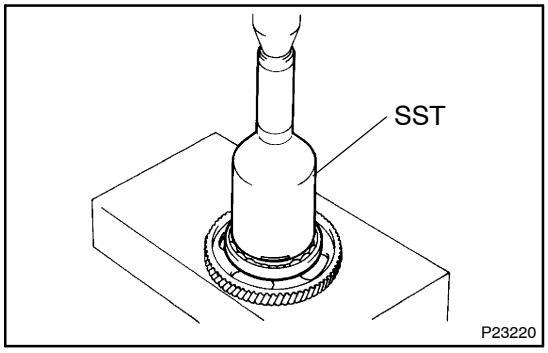
2. INSPECT INJECTION PUMP DRIVE GEAR BEARING

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 09950–40011 (09951–04010, 09952–04010, 09953–04020, 09954–04010, 09955–04041)



(b) Install bearing
Using SST and a press, press in a new bearing.
SST 09502–12010, 09223–15020,
09950–70010 (09951–07100)