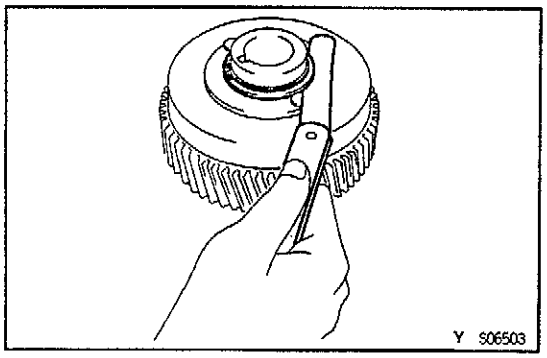


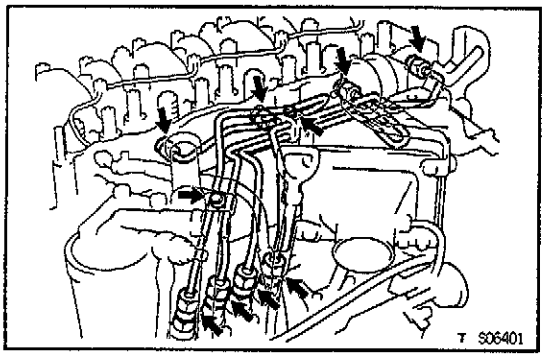
EG

AUTOMATIC TIMER

AUTOMATIC TIMER INSPECTION

EG7PU-01

1. **REMOVE AUTOMATIC TIMER**
   (See timing gear removal in Engine Mechanical)
2. **CHECK THRUST CLEARANCE**
   Using a feeler gauge, measure the clearance between the snap ring and flange plate, and the snap ring and timer gear housing.
   Thrust clearance:
   Flange plate side:
   0.12 — 0.22 mm (0.0047 — 0.0087 in.)
   Housing side:
   0.02 — 0.12 mm (0.0008 — 0.0047 in.)
   If the thrust clearance is not as specified, replace the automatic timer assembly.
3. **INSTALL AUTOMATIC TIMER**
   (See timing gear installation in Engine Mechanical)



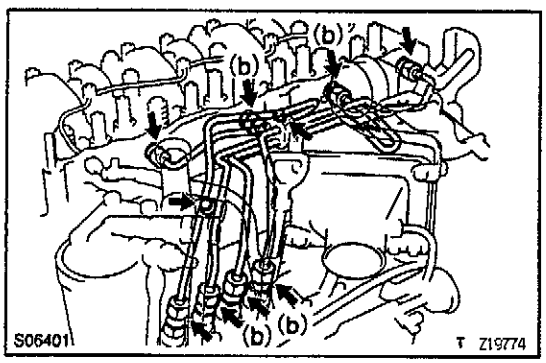
INJECTION NOZZLE

INJECTION NOZZLES REMOVAL

EG7PV-02

REMOVE INJECTION PIPES

(a) Loosen the union nuts of the 4 injection pipes.
(b) Remove the bolt, nut, 4 injection pipes and clamps.



INJECTION NOZZLES INSTALLATION

EG7PW-02

INSTALL INJECTION PIPES

(a) Place the lower clamp in position of the intake manifold.
(b) Temporarily install the 2 injection pipes.
(c) Place the center clamp in position of the intake manifold.
(d) Install the 2 injection pipes. Torque the 8 union nuts.
Torque:
Injection pump side
35 N·m (357 kgf·cm, 26 ft·lbf)
Injection nozzle side
25 N·m (257 kgf·cm, 18 ft·lbf)
(e) Secure the injection pipes with the clamps and bolts.
Torque: 7.5 N·m (76 kgf·cm, 66 in.·lbf)