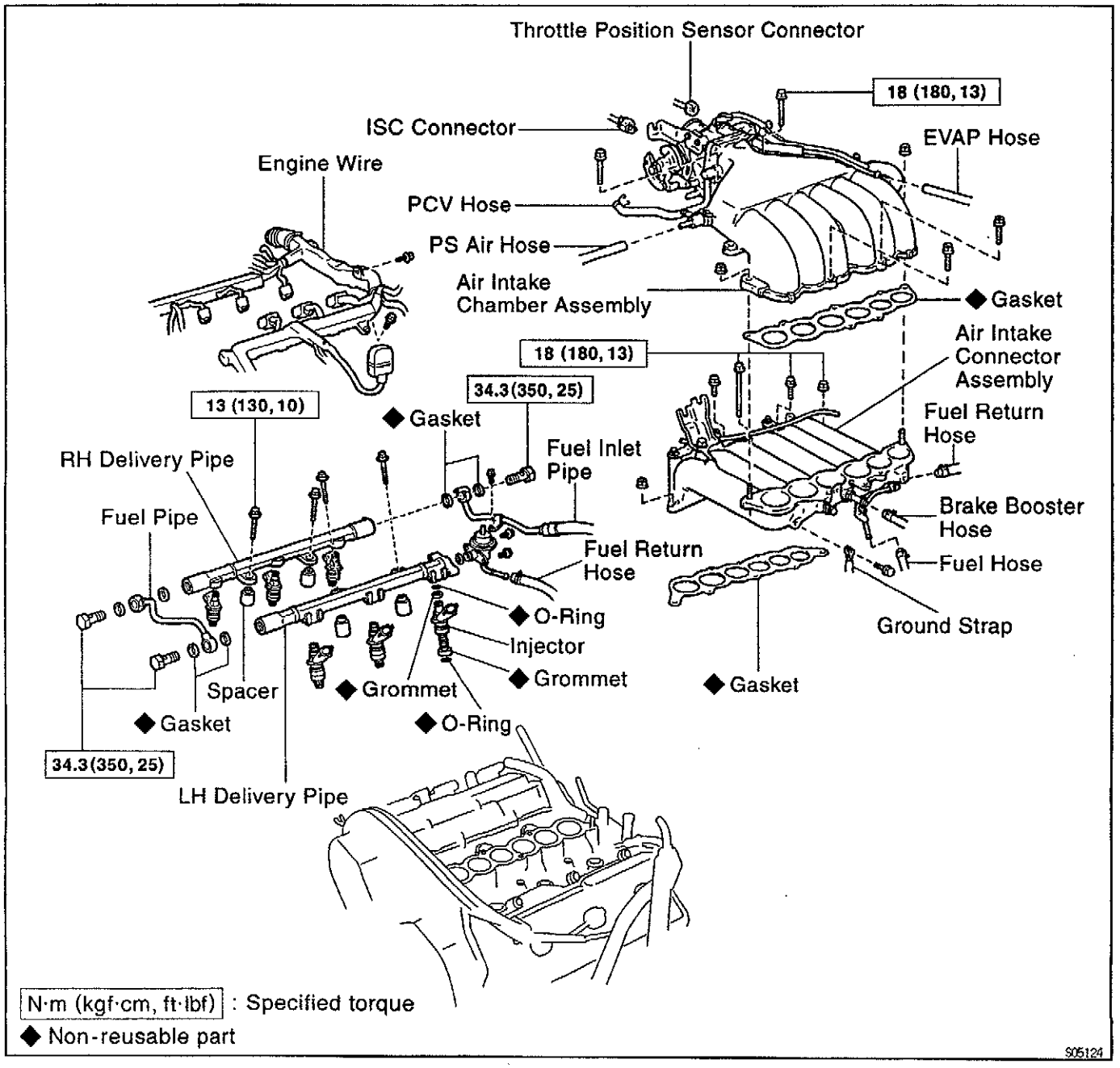
2. **CONNECT FUEL RETURN HOSE TO FUEL PRESSURE REGULATOR**
   NOTICE: Be sure to insert the hose up to the stopper and clip it.
3. **INSTALL INTAKE AIR CONNECTOR**
   (See cylinder heads installation in Engine Mechanical)
4. **CHECK FOR FUEL LEAKS**

EC

INJECTOR

COMPONENTS FOR REMOVAL AND INSTALLATION

E0360-12

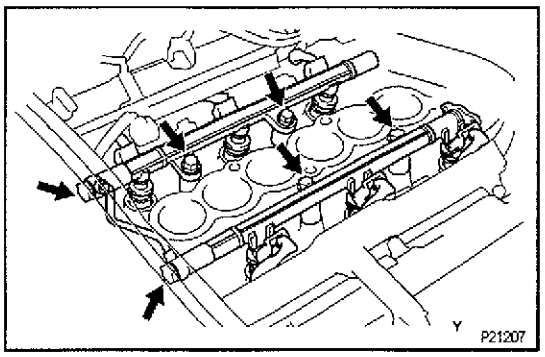


EG

INJECTORS REMOVAL

EG7CV-01

1. REMOVE AIR INTAKE CHAMBER ASSEMBLY
(See cylinder heads removal in Engine Mechanical)
2. REMOVE FUEL PRESSURE REGULATOR
(See fuel pressure regulator removal)
3. DISCONNECT FUEL INLET PIPE
CAUTION: Catch leaking fuel in a container.
4. REMOVE FUEL PIPE
5. DISCONNECT INJECTOR CONNECTORS
6. REMOVE DELIVERY PIPES AND INJECTORS
NOTICE: Be careful not to drop the injectors when removing the delivery pipes.

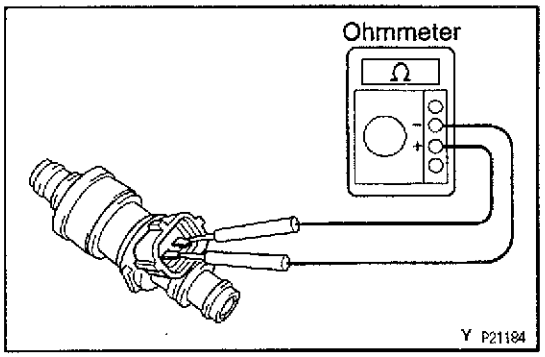


(a) Remove the 4 bolts, delivery pipes together with the 6 injectors.
(b) Remove the 4 spacers from the intake manifold.
(c) Pull out the 6 injectors from the delivery pipes.
(d) Remove the 2 O–rings and 2 grommets from each injector.

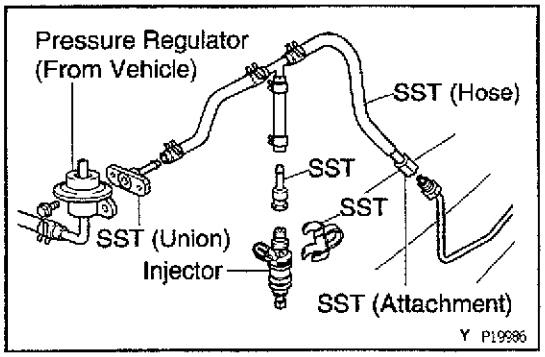
INJECTOR INSPECTION

EG7CW-01

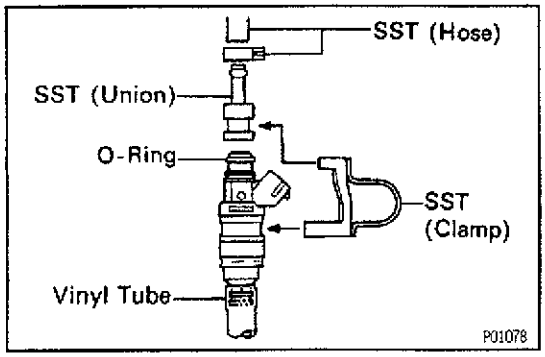
1. INSPECT INJECTOR RESISTANCE
Using an ohmmeter, measure the resistance between the terminals.
Resistance:
At 20°C (68°F): Approx. 13.8 Ω
If the resistance is not as specified, replace the injector.

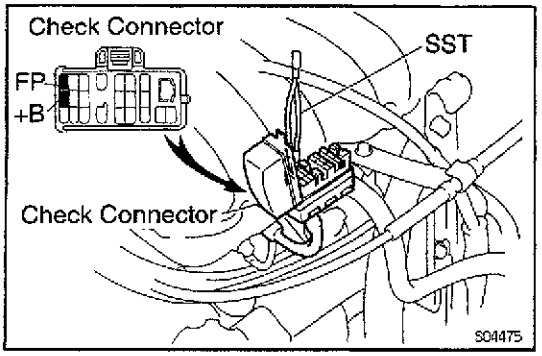


2. INSPECT INJECTOR INJECTION
CAUTION: Keep injector clear of sparks during the test.
(a) Disconnect the fuel inlet pipe from the fuel tube.
(b) Connect SST (attachment and hose) to the fuel tube.
SST 09268–41046 (09268–52011)
(c) Connect the fuel return hose, SST (union) and SST (hose) to the fuel pressure regulator.
SST 09268–41046 (09268–41091)



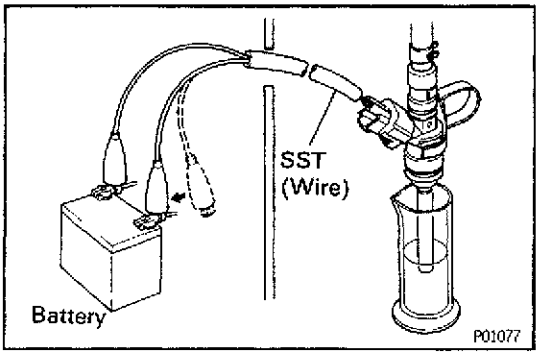
(d) Install the O–ring to the injector.
(e) Connect SST (union and hose) to the injector, and hold the injector and union with SST (clamp).
SST 09268–41046
(f) Put the injector into the graduated cylinder.
HINT: Install a suitable vinyl hose onto the injector to prevent gasoline from splashing out.



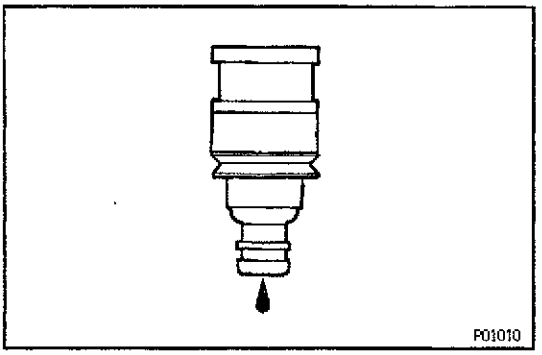


(g) Using SST, connect terminals +B and FP of the check connector.
SST 09843–18020

(h) Turn the ignition switch ON.
NOTICE: Do not start the engine.



(i) Connect SST (wire) to the injector and battery for 15 seconds, and measure the injection volume with a graduated cylinder. Test each injector 2 or 3 times.
SST 09842–30070
Volume:
55 – 70 cm³ (3.3 – 4.3 cu in.) per 15 sec.
Difference between each injector:
6 cm³ (0.4 cu in.) or less
If the ignition volume is not as specified, replace the injector.



3. INSPECT LEAKAGE

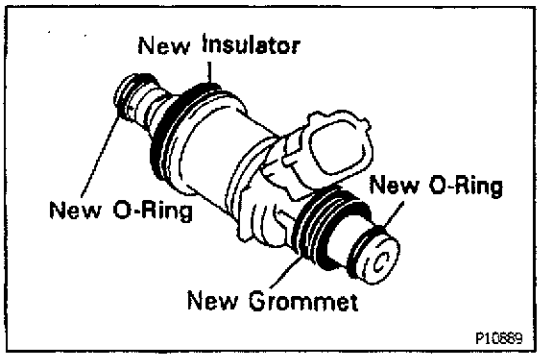
(a) In the condition above, disconnect the test probes of SST (wire) from the battery and check the fuel leakage from the injector.
SST 09842–30070
Fuel drop:
1 drop or less per minute

(b) Turn the ignition switch to LOCK.

(c) Disconnect the negative (–) terminal cable from the battery.

(d) Remove the SST.
SST 09268–41045

(e) Remove the SST from the check connector.
SST 09843–18020



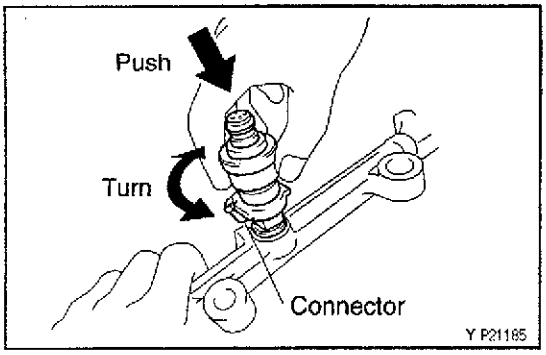
INJECTOR INSTALLATION

EG7CX–01

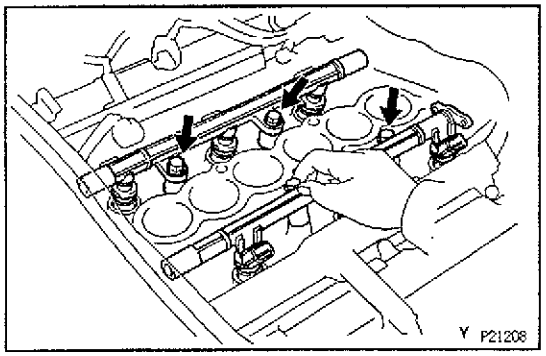
1. TEMPORARILY INSTALL INJECTORS AND DELIVERY PIPES

(a) Install 2 new grommets to each injector.

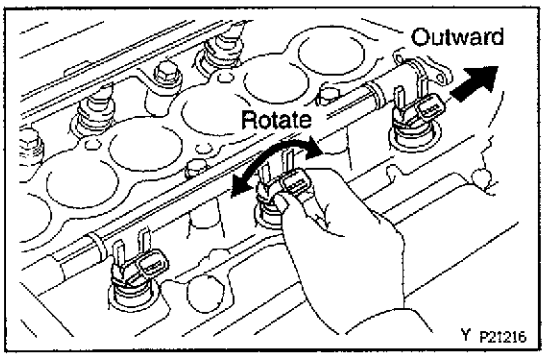
(b) Apply a light coat of spindle oil or gasoline to 2 new O –rings and install them to each injector.



(c) While turning the injector clockwise and counter-clockwise, push it to the delivery pipes. Install the 6 injectors.
(d) Position the injector connector outward.

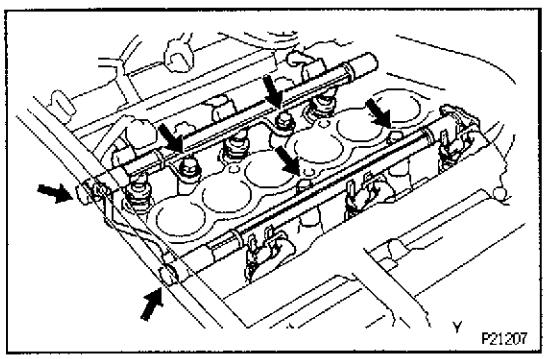


(e) Place the 4 spacers in position on the intake manifold.
(f) Place the delivery pipes with the 6 injectors in position on the intake manifold.
(g) Temporarily install the 4 bolts holding the delivery pipes to the intake manifold.



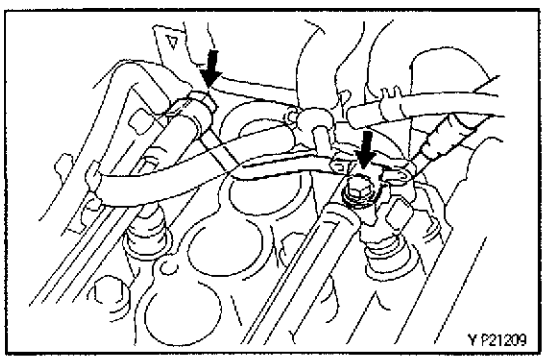
(h) Check that the injectors rotate smoothly.
HINT: If injectors do not rotate smoothly, the probable cause is incorrect installation of O–rings. Replace the O–rings.
(i) Position the injector connector outward.

2. CONNECT INJECTOR CONNECTORS



3. INSTALL FUEL PIPE AND TIGHTENING DELIVERY PIPE HOLDING BOLTS

(a) Install the fuel pipe with 4 new gaskets and the 2 union bolts.
Torque: 34.3 N·m (350 kgf·cm, 25 ft·lbf)
(b) Tighten the 4 bolts holding the delivery pipes to the intake manifold.
Torque: 13 N·m (130 kgf·cm, 10 ft·lbf)



4. CONNECT FUEL INLET PIPE

(a) Temporarily install the union and 2 new gaskets, and connect the fuel pipe.
(b) Install the clamp bolt.
Torque: 8 N·m (80 kgf·cm, 71 in.·lbf)
(c) Tighten the union bolt.
Torque: 34.3 N·m (350 kgf·cm, 25 ft·lbf)

5. INSTALL FUEL PRESSURE REGULATOR
(See fuel pressure regulator installation)