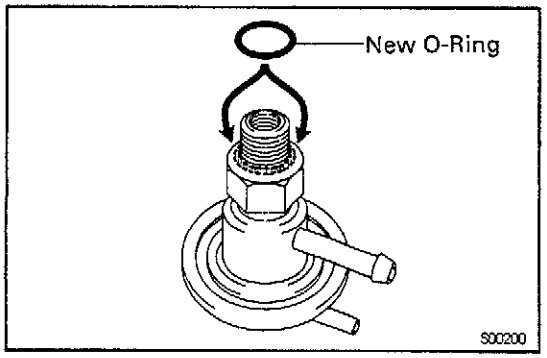
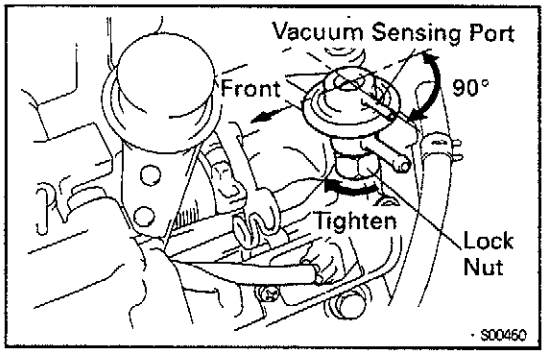
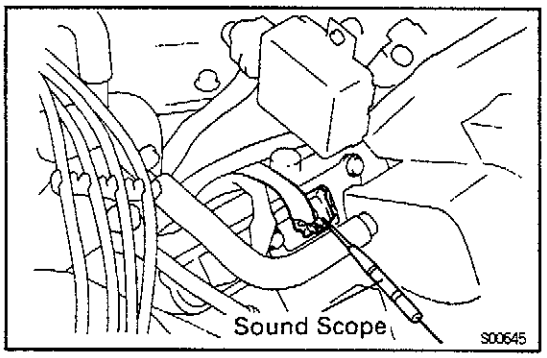
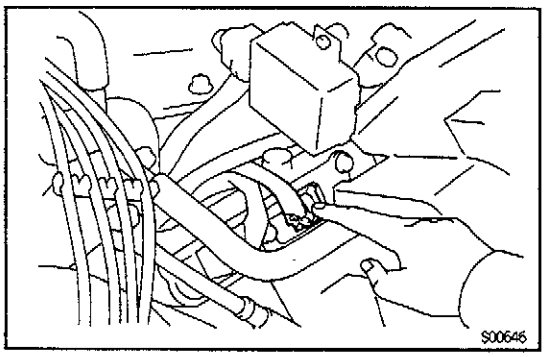
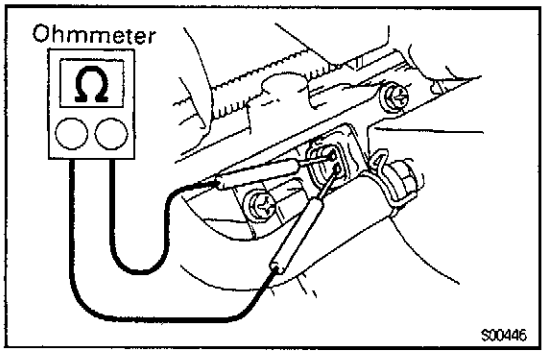










FUEL PRESSURE REGULATOR INSTALLATION

EG6RG-01

1. INSTALL FUEL PRESSURE REGULATOR

(a) Fully loosen the lock nut on the pressure regulator.

(b) Apply a light coat of gasoline to a new O–ring, and install it to the pressure regulator.

(c) Completely thrust the pressure regulator into the delivery pipe by hand.

(d) Turn the pressure regulator counterclockwise until the fuel return port faces in the direction indicated in the illustration.

(e) Tighten the lock nut.

Torque: 24.5 N·m (250 kgf·cm, 18 ft·lbf)

2. CONNECT FUEL RETURN HOSE TO FUEL PRESSURE REGULATOR

3. CONNECT VACUUM SENSING HOSE TO FUEL PRESSURE REGULATOR

4. CHECK FOR FUEL LEAKS

(See step 5 in fuel system in precaution)

INJECTOR

ON–VEHICLE INSPECTION

EG6D6-0V

1. INSPECT INJECTOR OPERATION

Check operation sound from each injector.

(a) With the engine running or cranking, use a sound scope to check that there is a normal operating noise in proportion to engine speed.

(b) If you have no sound scope, you can check the injector transmission operation with your finger.

If no sound or unusual sound is heard, check the wiring connector, injector or injection signal from the ECM.

2. INSPECT INJECTOR RESISTANCE

(a) Disconnect the injector connector.

(b) Using an ohmmeter, measure the resistance between the terminals.

Resistance:

13.4 – 14.2 Ω at 20°C (68°F)

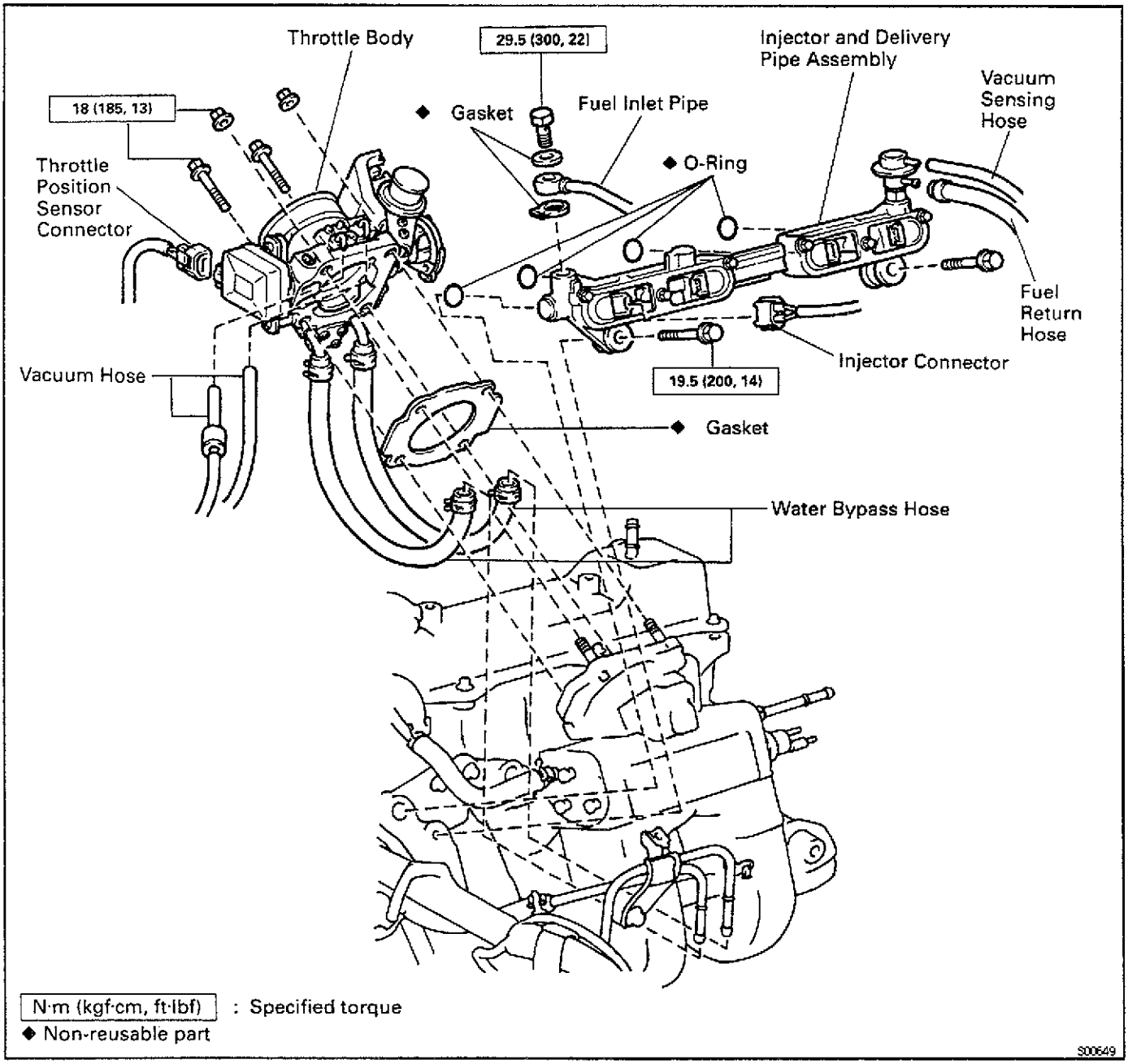
If the resistance is not as specified, replace the injector.

(c) Reconnect the injector connector.

EG

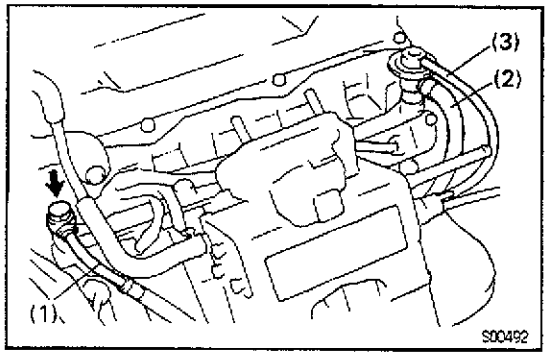
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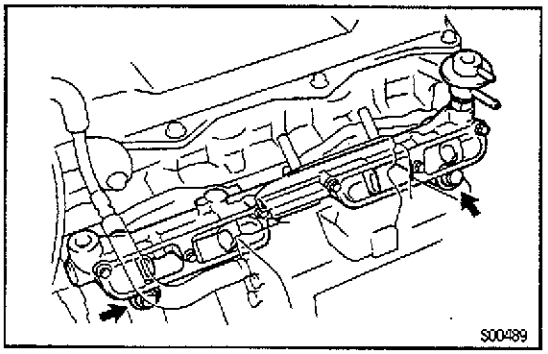
COMPONENTS FOR REMOVAL AND INSTALLATION



INJECTORS AND DELIVERY PIPE ASSEMBLY REMOVAL

1. **REMOVE THROTTLE BODY**
   (See throttle body removal)





2. REMOVE INJECTORS AND DELIVERY PIPE ASSEMBLY

(a) Disconnect these pipe and hoses:
  (1) Fuel inlet pipe from delivery pipe
  Remove the union bolt and 2 gaskets, and disconnect the fuel inlet pipe from the delivery pipe.
  (2) Fuel return hose from fuel pressure regulator
  (3) Vacuum sensing hose from fuel pressure regulator

(b) Disconnect the 4 injector connectors.

(c) Remove the 2 bolts holding the delivery pipe to the intake manifold.

(d) Remove the injectors and delivery pipe assembly.

(e) Remove the 4 O—ring from the delivery pipe.

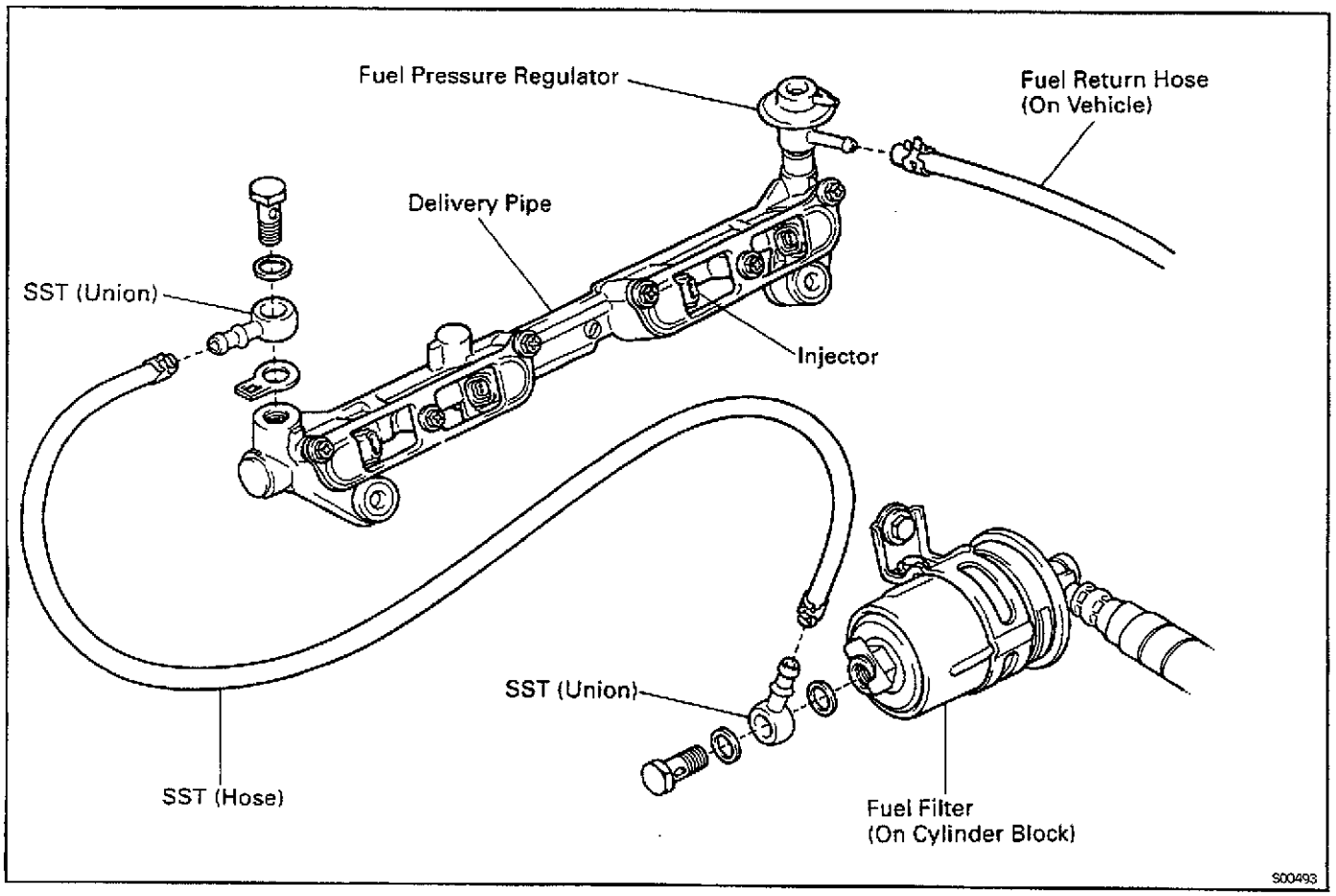
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INJECTORS INSPECTION

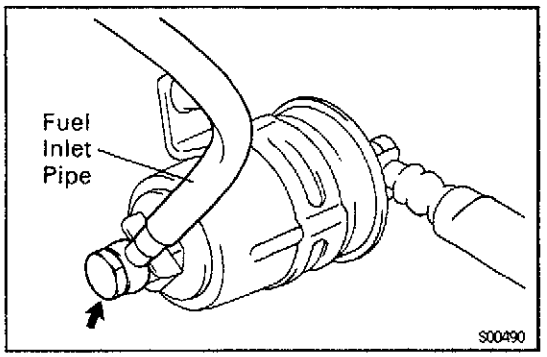
EQ6RK—01

1. INSPECT INJECTOR INJECTION

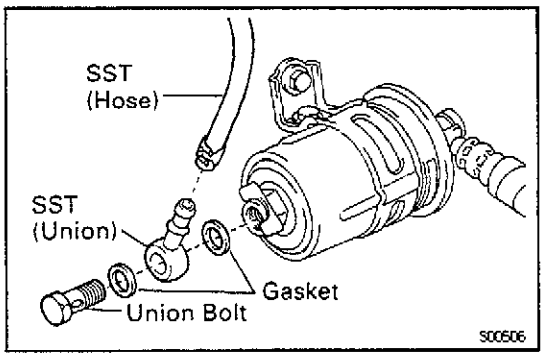
CAUTION: Keep injector clean of sparks during the test.



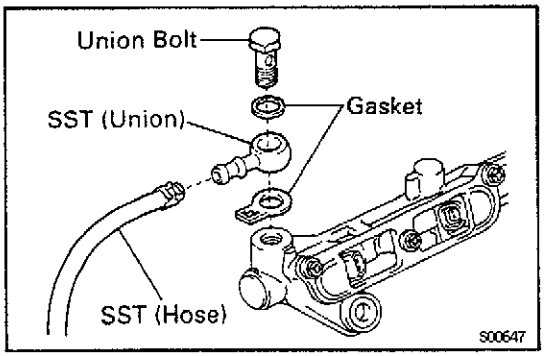
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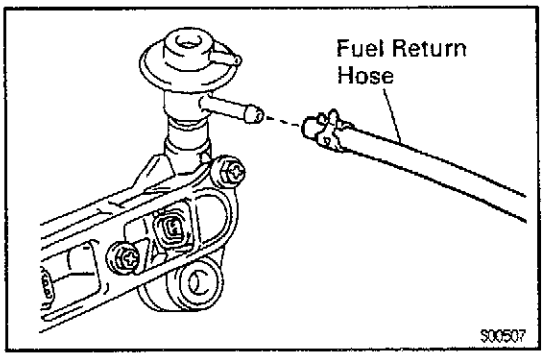
(a) Remove the union bolt and 2 gaskets, and disconnect the fuel inlet hose from the fuel filter outlet.



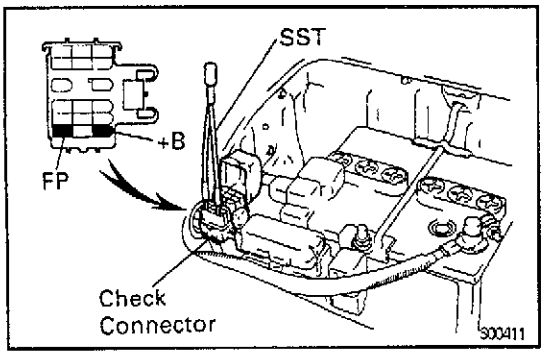
(b) Connect SST (hose) to the fuel filter outlet with SST (union), the 2 gaskets and union bolt.
SST 09268–41046 (90405–09015)
Torque: 29.5 N·m (300 kgf·cm, 22 ft·lbf)



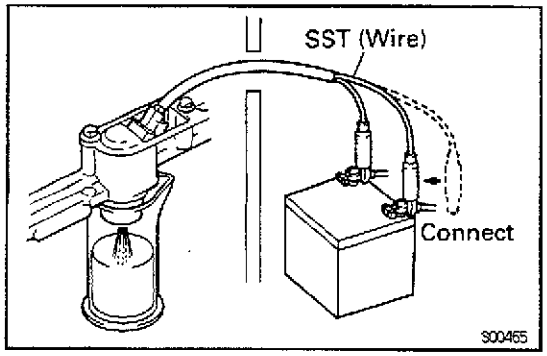
(c) Connect SST (hose) to the fuel inlet of the delivery pipe with SST (union), the 2 gaskets and union bolt.
SST 09268–41046 (90405–09015)
Torque: 29.5 N·m (300 kgf·cm, 22 ft·lbf)

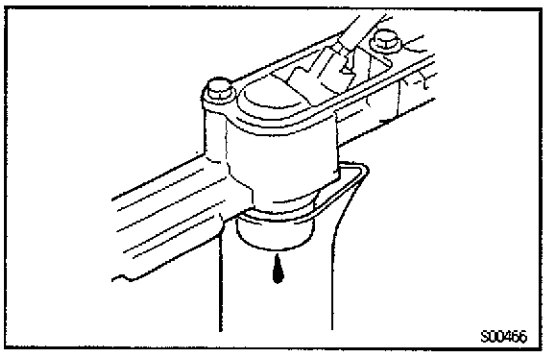


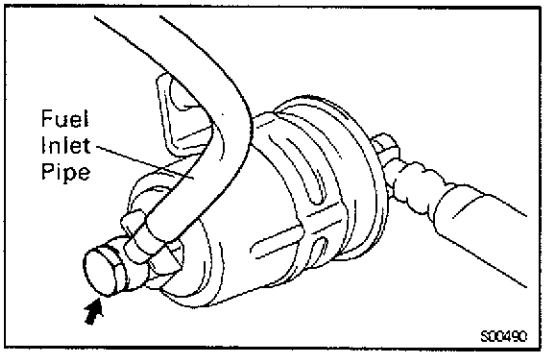
(e) Connect the fuel return hose to the fuel outlet of the pressure regulator.
(e) Put the injector into the graduated cylinder.



(f) Using SST, connect terminals +B and FP of the check connector.
SST 09843–18020
(g) Reconnect the negative (–) terminal cable to the battery.
(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
Injection volume:
44 – 55 cm³ (2.7 – 3.4 cu in.) per 15 seconds
Difference between each injector:
5 cm³ (0.3 cu in.) or less
If the injection volume is not as specified, replace the injector.

2. INSPECT LEAKAGE

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

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

(c) Remove the SST.
SST 09268–41046, 09843–18020

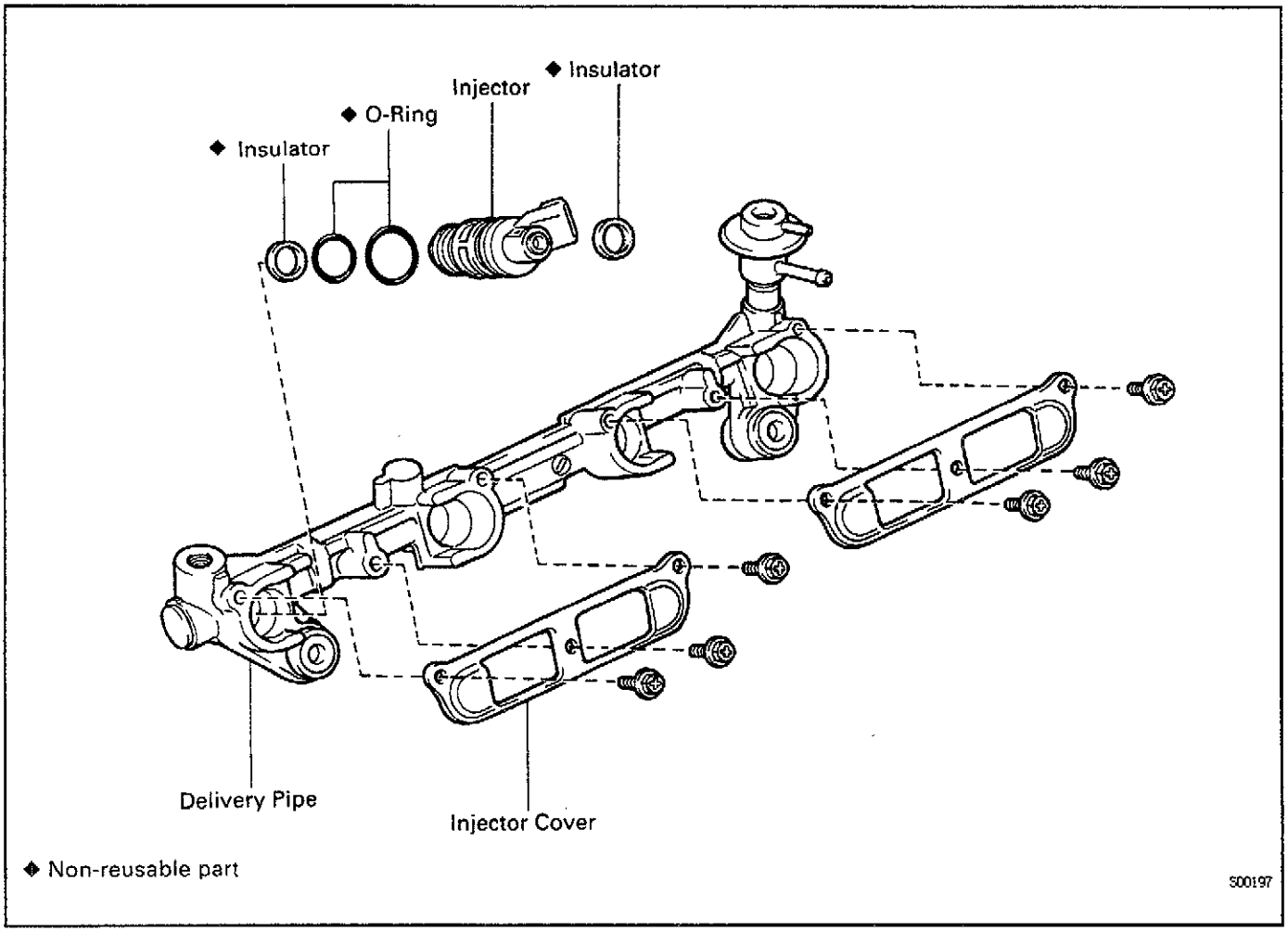
(d) Reconnect the fuel inlet pipe to the fuel filter with 2 new gaskets and the union bolt.
Torque: 29.5 N·m (300 kgf·cm, 22 ft·lbf)

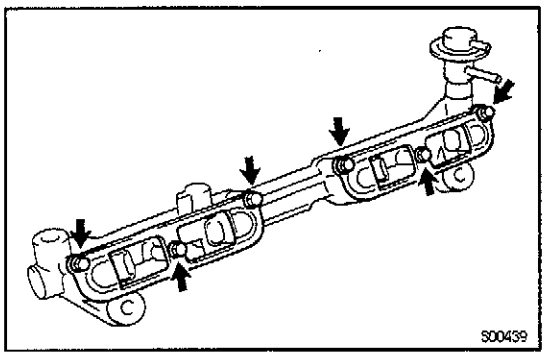
(e) Reconnect the fuel return hose to the fuel return pipe.

(f) Remove the 6 bolts, 3 injector holders and 6 insulators.

EG

COMPONENTS FOR REPLAEMENT



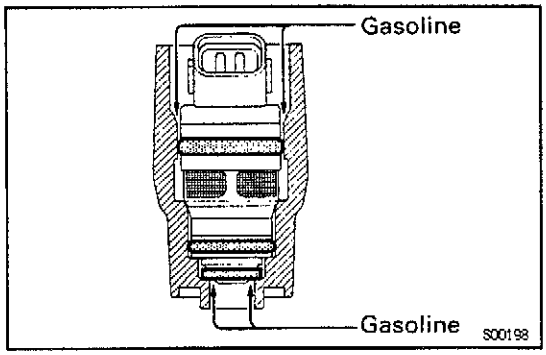


INJECTORS REPLACEMENT

1. REMOVE INJECTOR COVERS

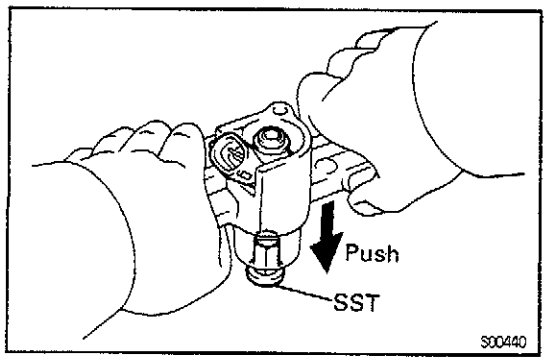
(a) Remove the 3 bolts and injector cover. Remove the 2 injector covers.

(b) Remove the 4 insulators from the injectors.



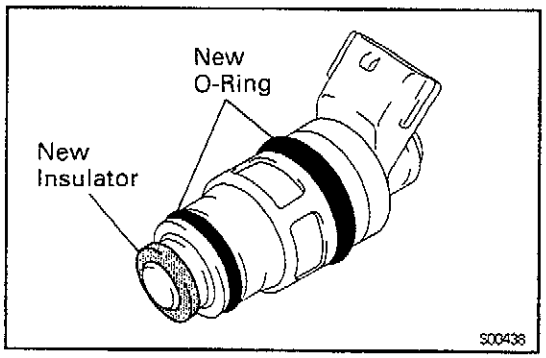
2. REMOVE INJECTORS

(a) Apply gasoline between the delivery pipe and injectors.



(b) Using SST, lift up the 4 injectors.
SST 09268–74010

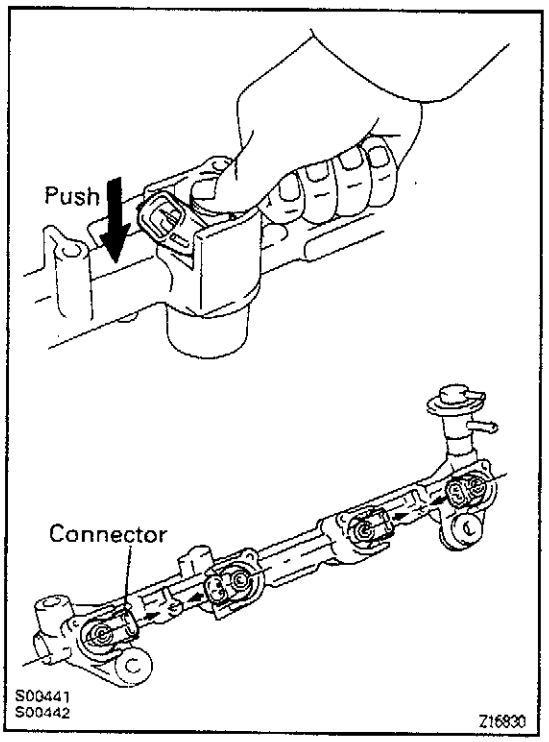
(c) Remove the insulator and 2 O–rings from each injector.



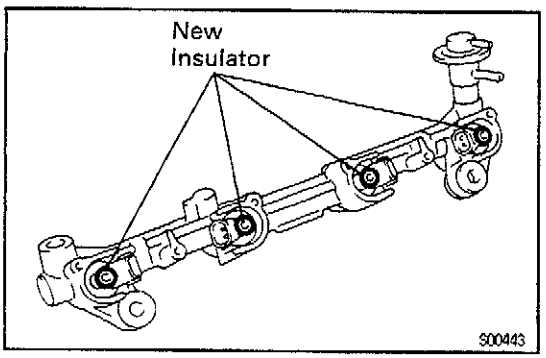
3. REINSTALL INJECTORS

(a) Apply a light coat of gasoline to 2 new O–rings.

(b) Install 2 new O–rings and a new insulator to each injector.



(c) Push in the 4 injectors so that the injector connectors are positioned as shown in the illustration.

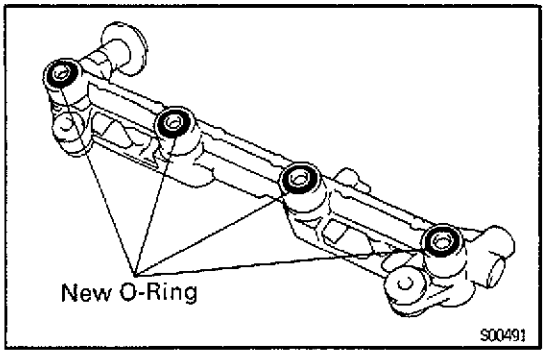


4. REINSTALL INJECTOR COVERS

(a) Install 4 new insulators to the injectors.

(b) Install the injector cover with the 3 bolts. Install the 2 injector covers.
Torque: 4.5 N·m (45 kgf·cm, 40 in.·lbf)

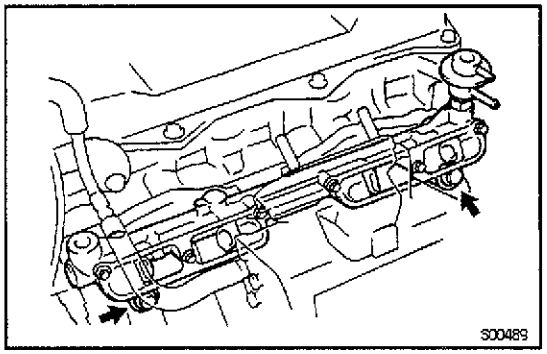
EG



INJECTORS AND DELIVERY PIPE ASSEMBLY INSTALLATION

1. INSTALL INJECTORS AND DELIVERY PIPE ASSEMBLY

(a) Install 4 new O–rings to the delivery pipe.

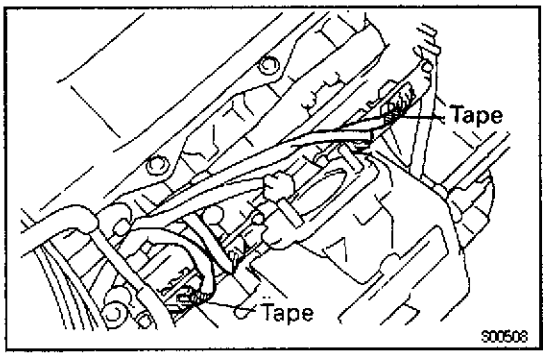


(b) Attach the injectors and delivery pipe assembly to the intake manifold.

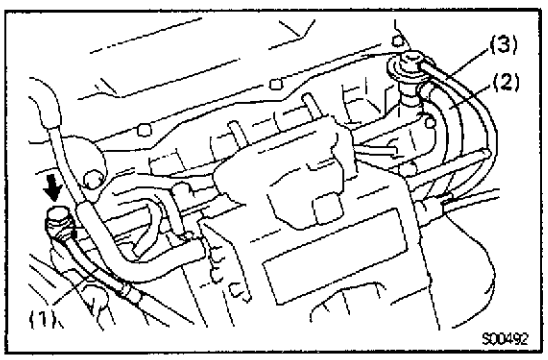
(c) Install the 2 bolt.

Torque: 19.5 N·m (200 kgf·cm, 14 ft·lbf)

(d) Connect the 4 injector connectors.



HINT: Connect the taped connectors to the No.1 and No.4 injectors.



(a) Connect these pipe and hoses:

(1) Fuel inlet pipe to delivery pipe
Connect the fuel inlet pipe with 2 new gaskets and the union bolt.

Torque: 29.5 N·m (300 kgf·cm, 22 ft·lbf)

(2) Fuel return hose to fuel pressure regulator

(3) Vacuum sensing hose to fuel pressure regulator

2. INSTALL THROTTLE BODY

(See throttle body installation)