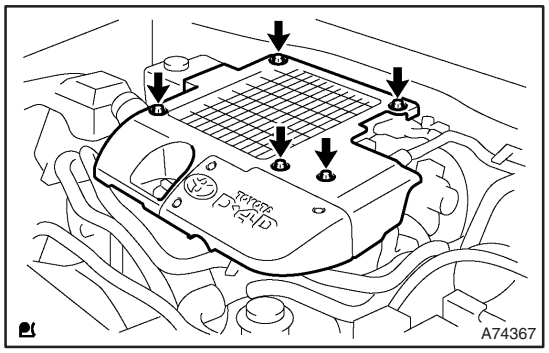
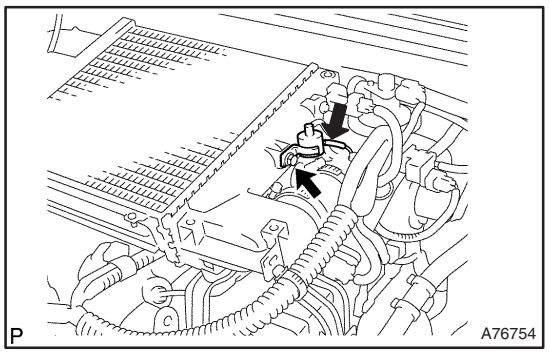
REPLACEMENT



1. REMOVE INTERCOOLER PROTECTOR

(a) Remove the 5 bolts and intercooler protector.

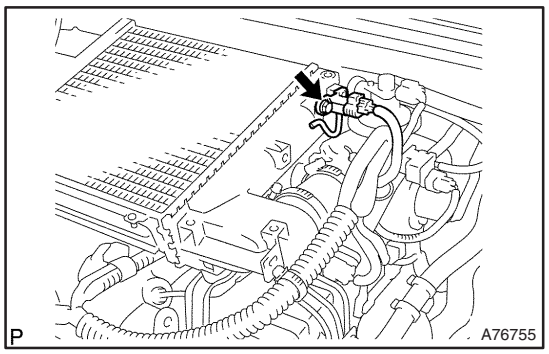


2. REMOVE GAS FILTER NO.1

(a) Remove the bolt and disconnect the gas filter No.1.

HINT:

Remove the gas filter with the vacuum hose connected.

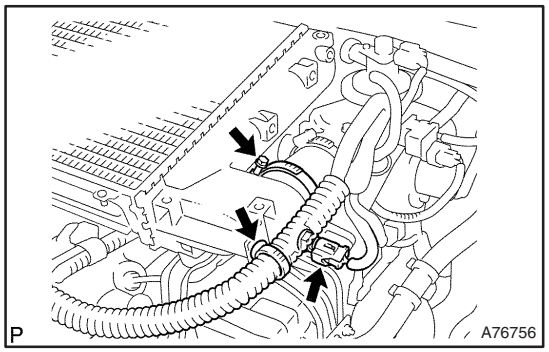


3. REMOVE DIESEL TURBO TURBO PRESSURE SENSOR

(a) Remove the bolt and disconnect the diesel turbo pressure sensor.

HINT:

Remove the diesel turbo pressure sensor with the connector and the vacuum hose connected.

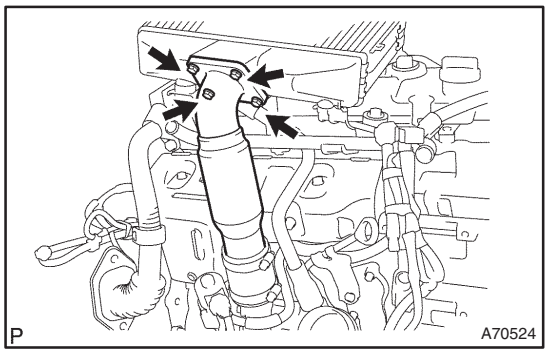


4. REMOVE INTERCOOLER ASSY

(a) Disconnect the engine wire harness.

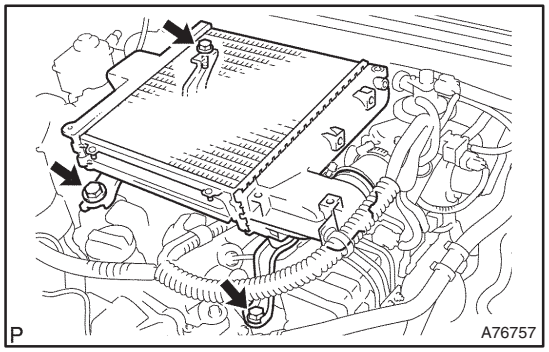
(b) Disconnect the inlet air temperature sensor connector.

(c) Loosen the hose clamp.

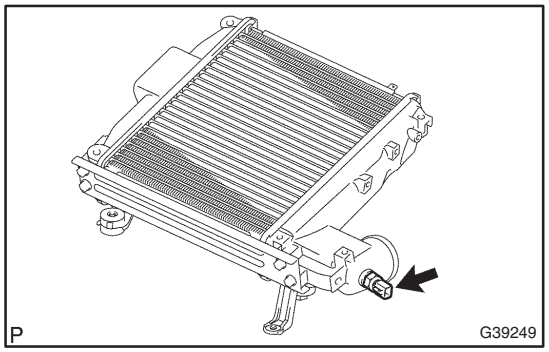


(d) Remove the 4 bolts which are installed to the intake air connector.

(e) Disconnect the intake air connector from the intercooler assy, and remove the gasket.



(f) Remove the 3 bolts and the intercooler assy.

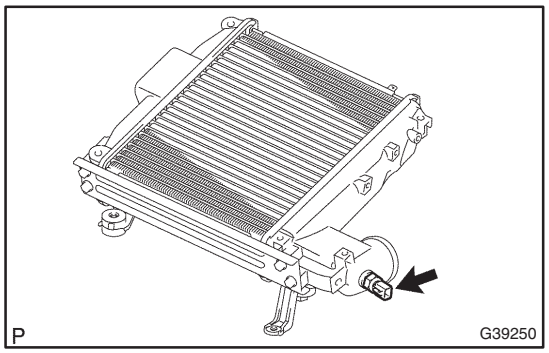


(g) Using a 22 mm deep socket wrench, remove the inlet air temperature sensor and gasket.

HINT:

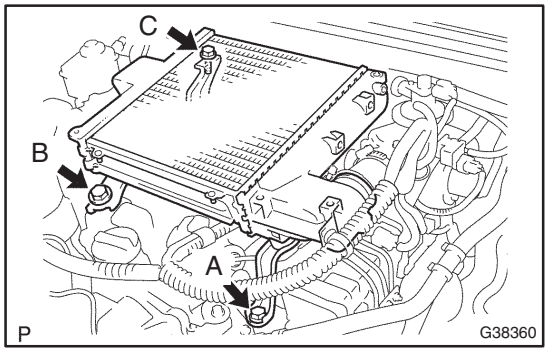
Replace the intake air temperature sensor if it is deformed, cranked or out of order.

It is not necessary to replace it when the intarcooler assy is replaced.



5. INSTALL INTERCOOLER ASSY

(a) Using a 22 mm deep socket wrench, install a new gasket and intake air temperature sensor.
Torque: 29 N·m (300 kgf·cm, 22 ft·lbf)



(b) Install the intercooler assy with the 3 bolts.
Torque:
39 N·m (398 kgf·cm, 29 ft·lbf) for bolt A
12 N·m (122 kgf·cm, 9 ft·lbf) for bolt B, C

(c) Install a new gasket and intake air connector with the 4 bolts.
Torque: 10 N·m (102 kgf·cm, 7 ft·lbf)

(d) Tighten the hose clamp.
Torque: 6.5 N·m (66 kgf·cm, 58 in.·lbf)

(e) Connect the inlet air temperature sensor connector.

6. INSTALL DIESEL TURBO TURBO PRESSURE SENSOR

(a) Install the diesel turbo pressure sensor with the bolt.
Torque: 5.0 N·m (51 kgf·cm, 44 in.·lbf)

7. INSTALL GAS FILTER NO.1

(a) Install the gas filter No.1 with the bolt.
Torque: 6.0 N·m (61 kgf·cm, 53 in.·lbf)

8. INSTALL INTERCOOLER PROTECTOR

(a) Install the intercooler protector with the 5 bolts.
Torque: 7.0 N·m (71 kgf·cm, 62 in.·lbf)