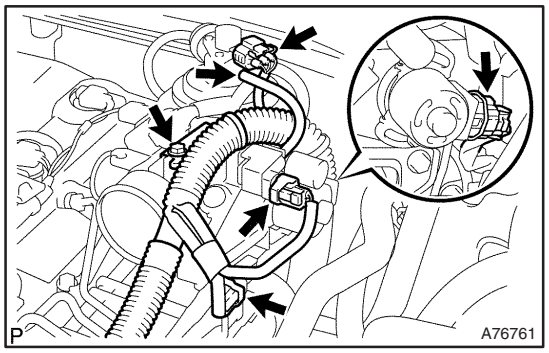
100TI–01

REPLACEMENT

1. REMOVE INTERCOOLER PROTECTOR (See page 13–18)
2. REMOVE INTERCOOLER ASSY (See page 13–18)

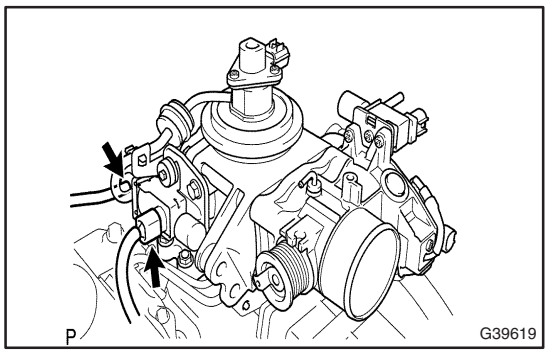


3. REMOVE DIESEL THROTTLE BODY ASSY

(a) Disconnect the 4 connectors as shown in the illustration.

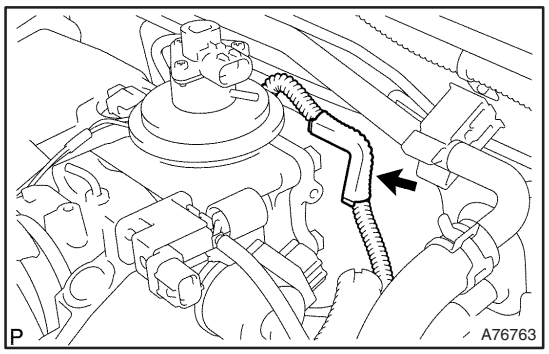
(b) Disconnect the vacuum hose from the electric EGR control valve assy.

(c) Remove the bolt, and disconnect the engine wire harness from the diesel throttle body.

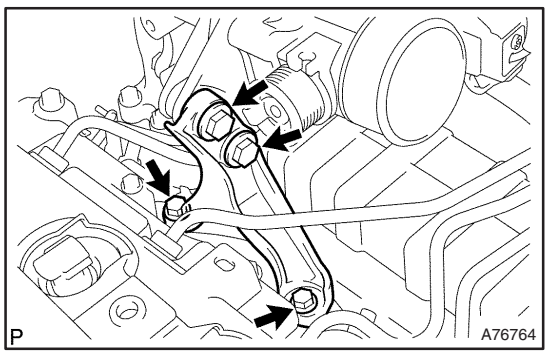


(d) Disconnect the vacuum regulating valve connector.

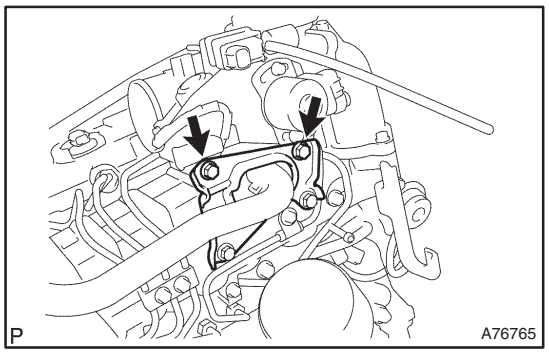
(e) Disconnect the vacuum hose from the vacuum regulating valve assy.



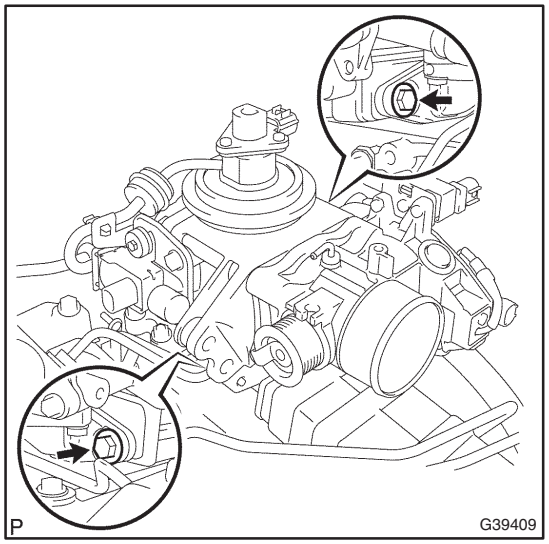
(f) Disconnect the engine wire from the intake air connector as shown in the illustration.



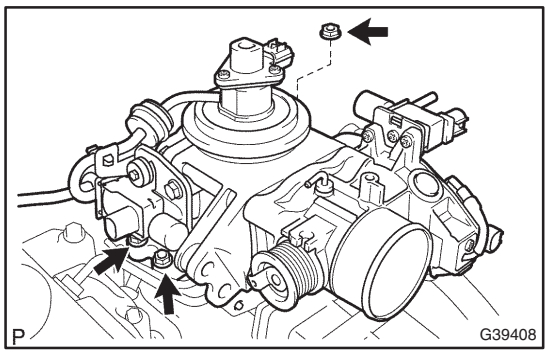
(g) Remove the 4 bolts and EGR valve bracket.



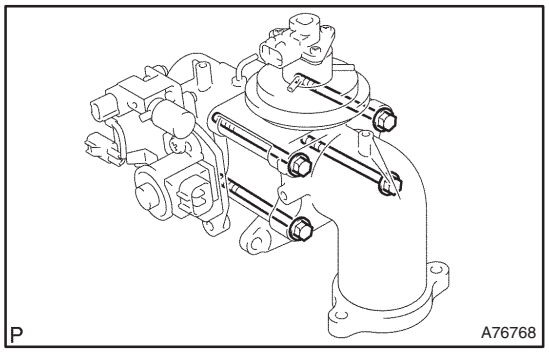
(h) Remove the 2 bolts and throttle body bracket from the diesel throttle body assy.



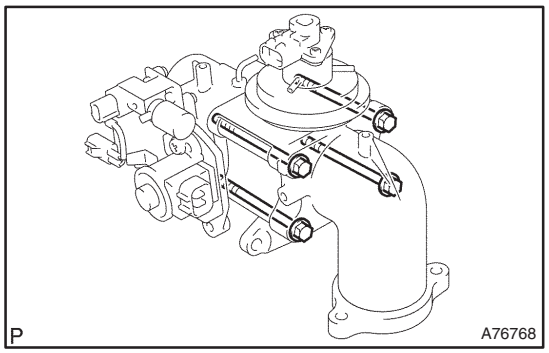
(i) Remove the 2 bolts and EGR pipe No.1 from the electric EGR control valve assy.



(j) Remove the bolt and 2 nuts, and remove the diesel throttle body assy with the electric EGR control valve assy and intake air connector from the intake manifold.

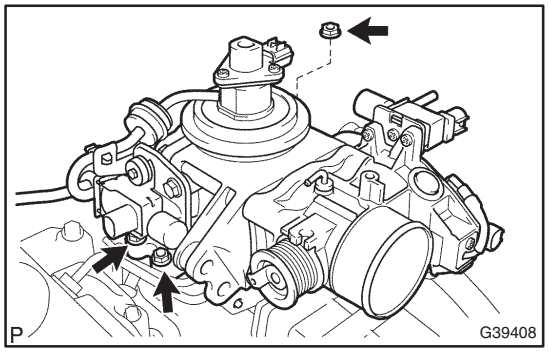


(k) Remove the 4 bolts, electric EGR control valve assy and intake air connector from the diesel throttle body assy.

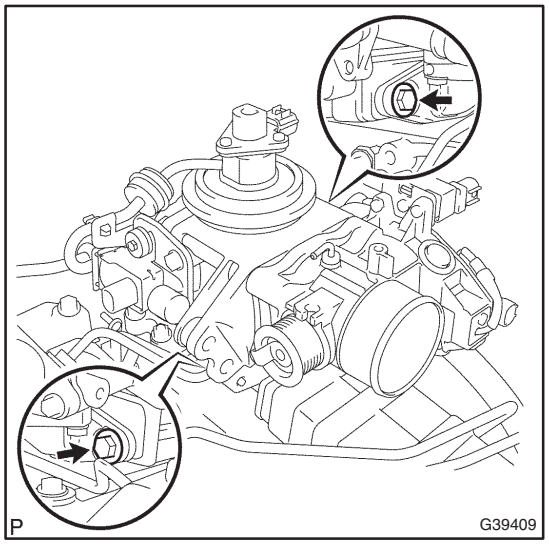


4. INSTALL DIESEL THROTTLE BODY ASSY

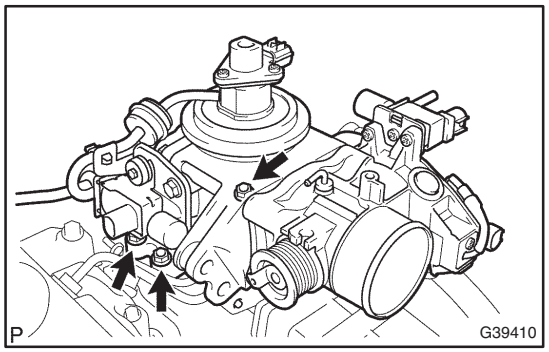
(a) Install the electric EGR control valve assy and intake air connector to the diesel throttle body assy with 2 new gaskets and the 4 bolts.
Torque: 20 N·m (204 kgf·cm, 15 ft·lbf)



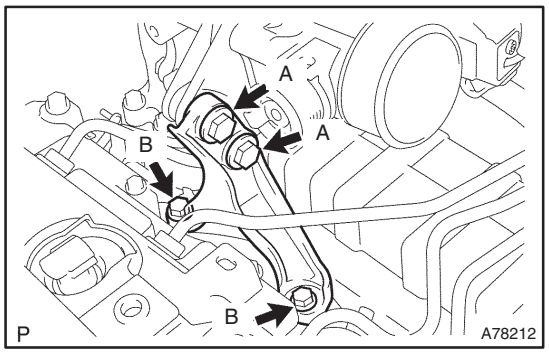
(b) Temporarily install a new gasket, the bolt and 2 nuts, and install the diesel throttle body assy with the electric EGR control valve assy and intake air connector to the intake manifold.



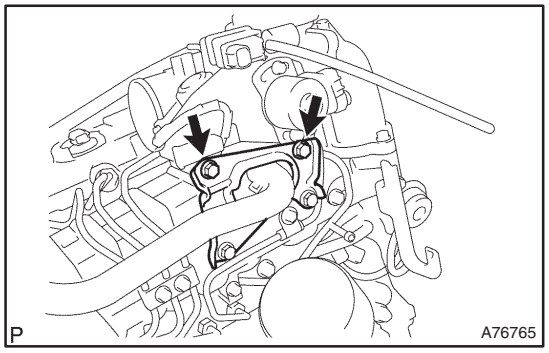
(c) Install a new gasket and the electric EGR control valve assy to EGR pipe No.1 with the 2 bolts.
Torque: 20 N·m (204 kgf·cm, 15 ft·lbf)



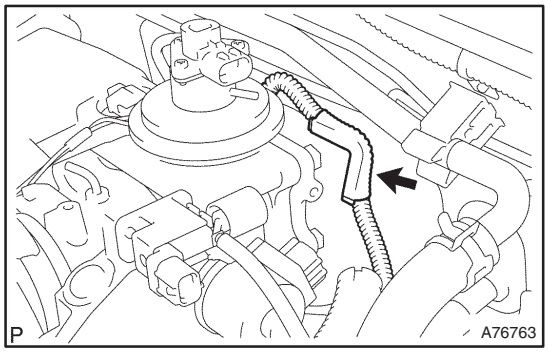
(d) Tighten the bolt and 2 nuts for the intake manifold.
Torque: 20 N·m (204 kgf·cm, 15 ft·lbf)



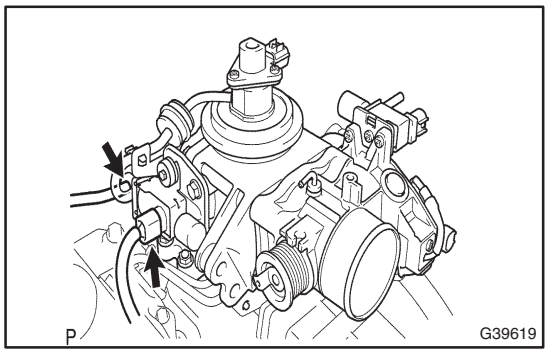
(e) Temporarily install the EGR valve bracket and the 4 bolts.
(f) Tighten the bolts A first and the bolts B.
Torque:
Bolt A: 41 N·m (418 kgf·cm, 30 ft·lbf)
Bolt B: 20 N·m (204 kgf·cm, 15 ft·lbf)



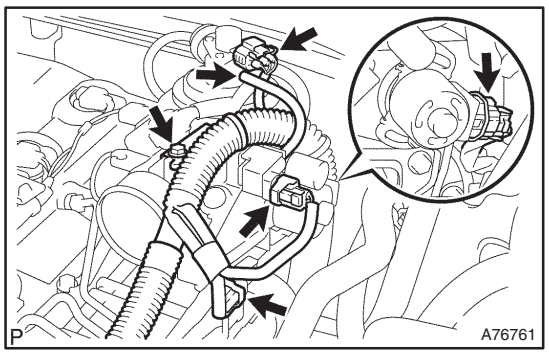
(g) Install the throttle body bracket to the diesel throttle body assy with the 2 bolts.
Torque: 20 N·m (204 kgf·cm, 15 ft·lbf)



(h) Connect the engine wire to the intake air connector as shown in the illustration.



(i) Connect the vacuum hose to the vacuum regulating valve assy.
(j) Connect the vacuum regulating valve connector.



(k) Connect the engine wire harness with the bolt to the diesel throttle body.
Torque: 8.0 N·m (82 kgf·cm, 71 in·lbf)
(l) Connect the vacuum hose to the electric EGR control valve assy.
(m) Connect the 4 connectors as shown in the illustration.
(n) Connect the EGR valve position sensor connector.

5. INSTALL INTERCOOLER ASSY

6. INSTALL INTERCOOLER PROTECTOR