

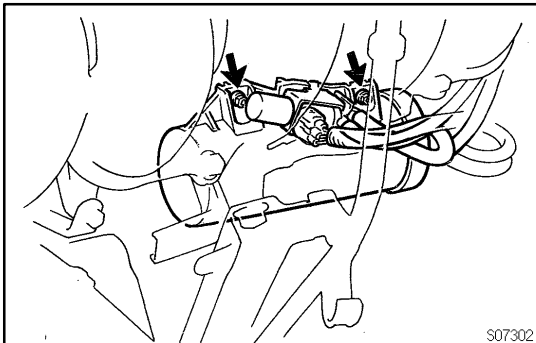
REMOVAL

1. REMOVE VACUUM TANK

- (a) Remove the oil dipstick and guide for A/T.
 - (1) Remove the bolt.
 - (2) Pull out the dipstick guide together with the dipstick.
 - (3) Remove the O-ring from the dipstick guide.

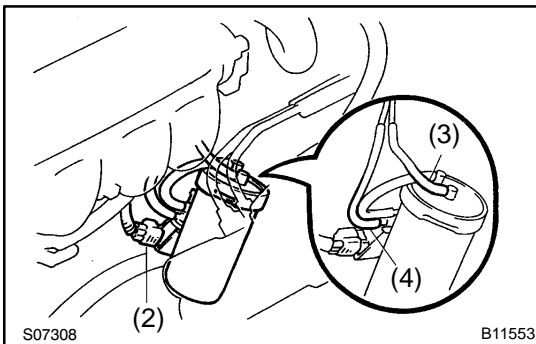
HINT:

At the time of installation, please refer to the following items.
Use a new gasket.

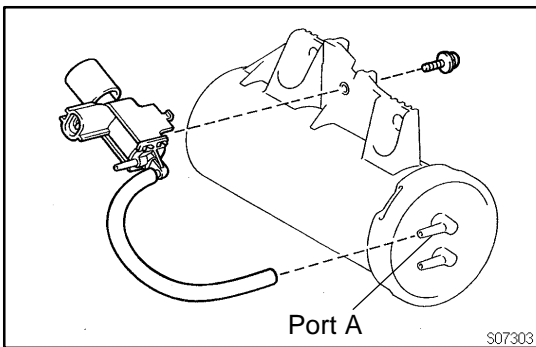


- (b) Remove the vacuum tank and VSV assembly.
 - (1) Remove the 2 nuts, and disconnect the vacuum tank from the intake manifold.

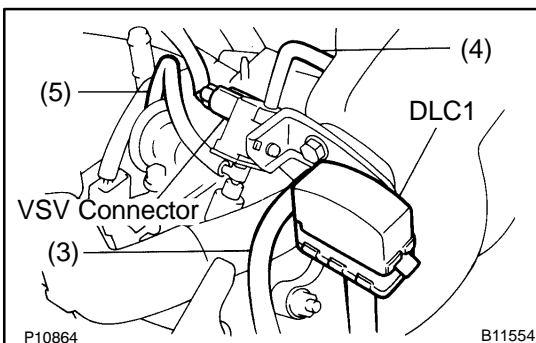
Torque: 21 N·m (210 kgf-cm, 15 ft-lbf)



- (2) Disconnect the VSV connector.
- (3) Disconnect the vacuum hose (from the air intake chamber) from port B of the vacuum tank.
- (4) Disconnect the vacuum hose (from the actuator) from the VSV.
- (5) Remove the vacuum tank and VSV assembly.

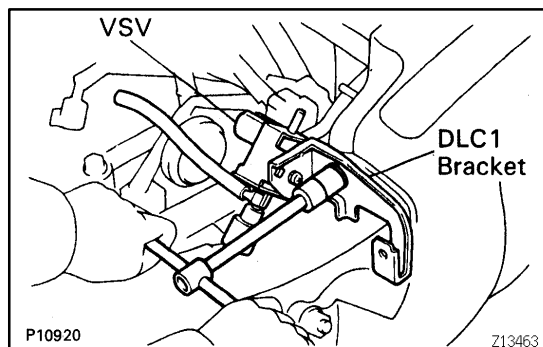


- (c) Remove the VSV from the vacuum tank.
 - (1) Disconnect the vacuum hose from port A of the vacuum tank.
 - (2) Remove the screw and VSV.

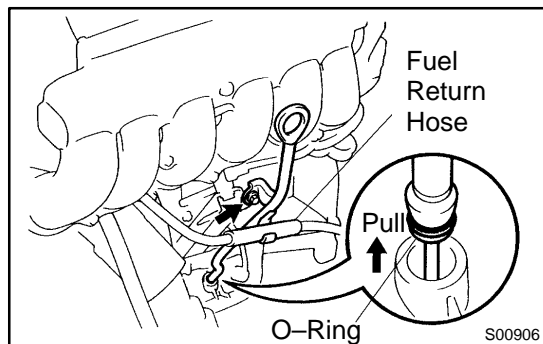


2. REMOVE INTAKE AIR CONTROL VALVE

- (a) Disconnect the DLC1 from the bracket.
 - (1) Disconnect the DLC1 from the bracket.
 - (2) Disconnect the VSV connector.
 - (3) Disconnect the PS air hose from the air intake chamber.
 - (4) Disconnect the vacuum sensing hose from the air intake chamber.
 - (5) Disconnect the vacuum sensing hose from the fuel pressure regulator.



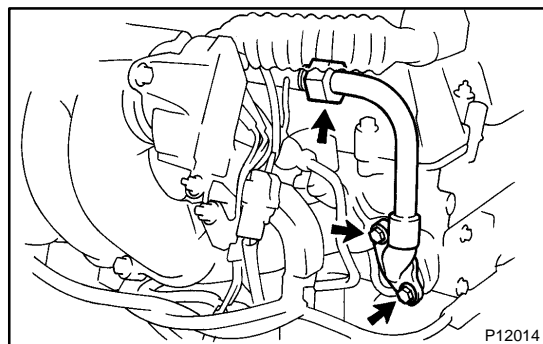
- (6) Remove the bolt, the DLC1 bracket and VSV assembly.
- (b) Remove the oil dipstick and guide for A/T (See step 1 (a)).



- (c) Remove the oil dipstick and guide for engine.
- (1) Disconnect the fuel return hose from the clamp of the dipstick guide.
 - (2) Remove the bolt.
 - (3) Pull out the dipstick guide together with the dipstick.
 - (4) Remove the O-ring from the dipstick guide.

HINT:

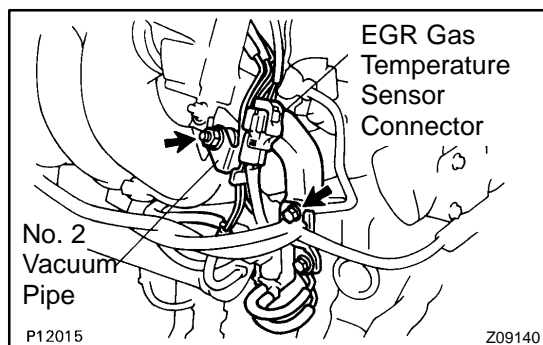
At the time of installation, please refer to the following items.
Use a new O-ring.



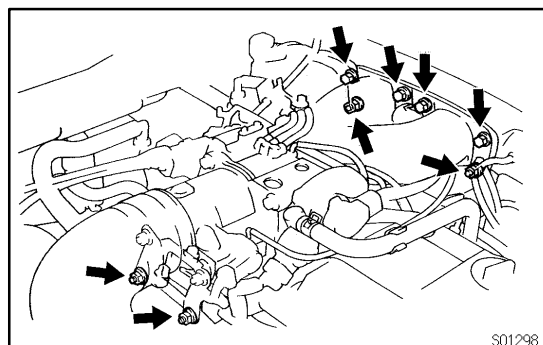
- (d) Remove the EGR pipe.
- (1) Loosen the union nut of the EGR pipe.
Torque: 64 N·m (650 kgf-cm, 47 ft-lbf)
 - (2) Remove the 2 bolts, EGR pipe and gasket.
Torque: 27 N·m (280 kgf-cm, 20 ft-lbf)

HINT:

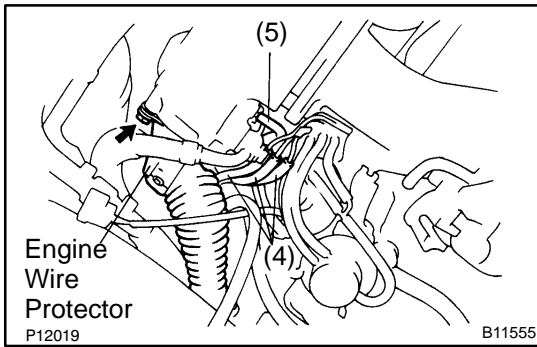
At the time of installation, please refer to the following items.
Use a new gasket.



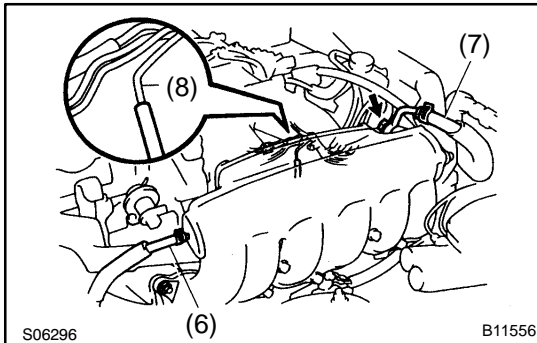
- (e) Disconnect the EGR gas temperature sensor.
- (1) Disconnect the connector from the No. 2 vacuum pipe.
 - (2) Disconnect the sensor connector from the wiring connector.
- (f) Remove the 2 nuts, and disconnect the No. 2 vacuum pipe and VSV assembly from the air intake chamber and intake manifold.
Torque: 27 N·m (280 kgf-cm, 20 ft-lbf)



- (g) Remove the air intake chamber (with intake air control valve).
- (1) Remove the 2 nuts holding the throttle body bracket to the cylinder head.
Torque: 21 N·m (210 kgf-cm, 15 ft-lbf)
 - (2) Remove the 4 bolts and 2 nuts holding the intake air connector to the air intake chamber.
Torque: 21 N·m (210 kgf-cm, 15 ft-lbf)



- (3) Remove the bolt, and disconnect the engine wire protector from the air intake chamber.
- (4) Disconnect the 3 vacuum hoses (from the No. 2 vacuum pipe) from the No. 1 vacuum pipe.
- (5) Disconnect the vacuum hose (from the No. 2 vacuum pipe) from the air intake chamber.



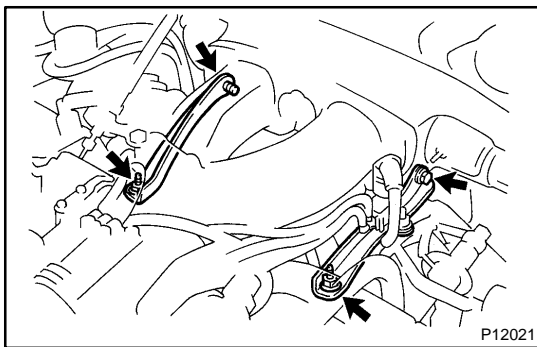
- (6) Disconnect the PS air hose from the air intake chamber.
- (7) Remove the union bolt and 2 gaskets, and disconnect the brake booster vacuum hose from the air intake chamber.

Torque: 29 N·m (300 kgf-cm, 22 ft-lbf)

HINT:

At the time of installation, please refer to the following items.
Use 2 new gaskets.

- (8) Disconnect the vacuum hose (from the actuator for ACIS) from the No. 1 vacuum pipe.

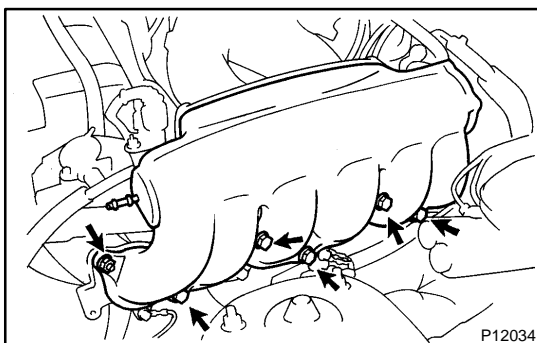


- (9) Loosen the 2 nuts holding the air intake chamber stays to the cylinder head.

Torque: 18 N·m (185 kgf-cm, 13 ft-lbf)

- (10) Remove the 2 bolts, and disconnect the 2 air intake chamber stays from the air intake chamber.

Torque: 18 N·m (185 kgf-cm, 13 ft-lbf)



- (11) Remove the 5 bolts, nut, air intake chamber and 2 gaskets.

Torque: 27 N·m (280 kgf-cm, 20 ft-lbf)

HINT:

At the time of installation, please refer to the following items.
Use 2 new gaskets.