COMPONENTS

ILLUSTRATION

ENGINE OIL LEVEL DIPSTICK GUIDE SUB-ASSEMBLY

ENGINE OIL LEVEL DIPSTICK

●NO. 1 INTAKE MANIFOLD TO HEAD GASKET

28 (285, 21)

21 (214, 15)

INTAKE MANIFOLD

●GASKET

10 (102, 7)

●O-RING

28 (285, 21)

●GASKET

x 2

x 2

28 (285, 21)

10 (102, 7)

7.0 (71, 62 in.*lbf)

5.0 (51, 44 in.*lbf)
STUD BOLT

x 2

EGR PIPE ASSEMBLY

MANIFOLD ABSOLUTE PRESSURE SENSOR

WIRE HARNESS SUPPORT

10 (102, 7)

21 (214, 15)

x 2

VENTILATION HOSE

x 2

VACUUM SWITCHING VALVE ASSEMBLY

THROTTLE BODY ASSEMBLY

FUEL VAPOR FEED HOSE

●GASKET

N*m (kgf*cm, ft.*lbf): Specified torque
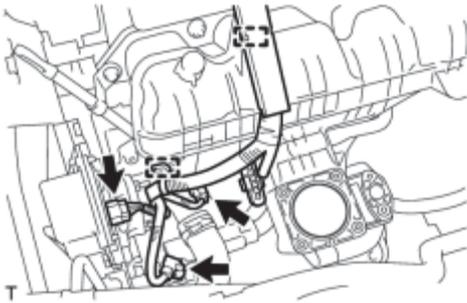
● Non-reusable part

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REMOVAL

1. REMOVE THROTTLE BODY ASSEMBLY

(a) Remove the throttle body assembly INFO .

2. REMOVE EGR PIPE ASSEMBLY INFO

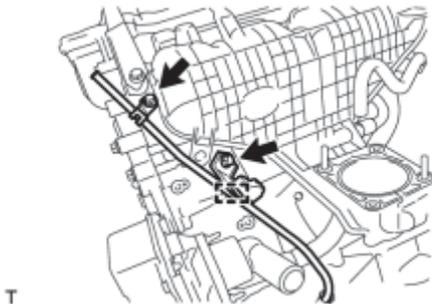3. REMOVE MANIFOLD ABSOLUTE PRESSURE SENSOR INFO

4. REMOVE VACUUM SWITCHING VALVE ASSEMBLY INFO

5. REMOVE INTAKE MANIFOLD

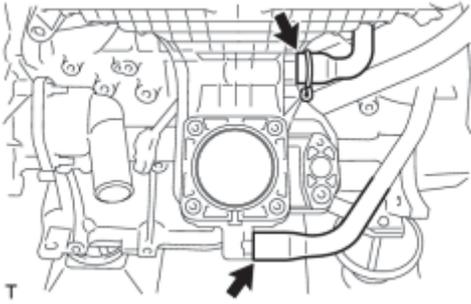(a) Disconnect the 3 connectors and 2 wire harness clamps.

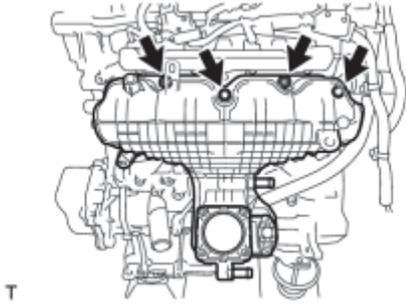(b) Remove the engine oil level dipstick guide sub-assembly.

(c) Disconnect the wire harness clamp, and then remove the 2 bolts and engine oil level dipstick guide sub-assembly.

(d) Remove the O-ring from the engine oil level dipstick guide sub-assembly.

(e) Disconnect the fuel vapor feed hose and ventilation hose.

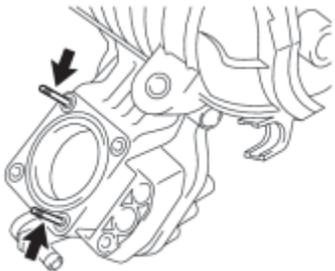(f) Remove the 2 bolts, 2 nuts and intake manifold.

(g) Remove the No. 1 intake manifold to head gasket.

6. REPLACE STUD BOLT

HINT:

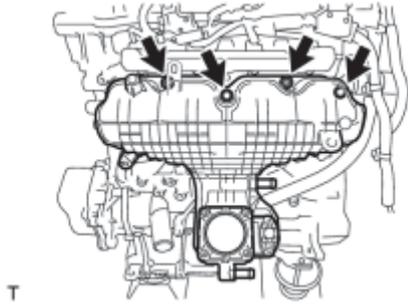If a stud bolt is deformed or the threads are damaged, replace it.

(a) Using an E6 "TORX" wrench, replace the 2 stud bolts.

Torque: **5.0 N·m (51 kgf·cm, 44in·lbf)**
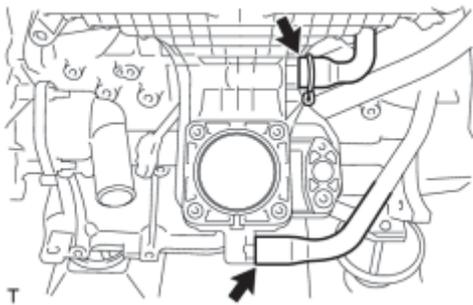
INSTALLATION

1. INSTALL INTAKE MANIFOLD

(a) Install a new No. 1 intake manifold to head gasket to the intake manifold.

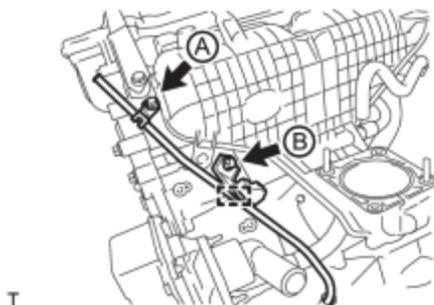(b) Install the intake manifold with the 2 bolts and 2 nuts.

Torque: **28 N·m (285 kgf·cm, 21ft·lbf)**

(c) Connect the fuel vapor feed hose and ventilation hose.

(d) Install a new O-ring to the engine oil level dipstick guide sub-assembly.

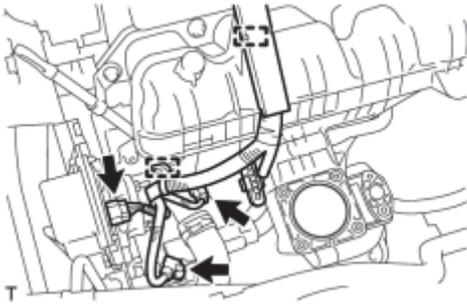(e) Apply a light coat of engine oil to the O-ring.

(f) Install the engine oil level dipstick guide sub-assembly with the 2 bolts and connect the wire harness clamp.

Bolt (A) - Torque: **28 N·m (285 kgf·cm, 21ft·lbf)**

Bolt (B) - Torque: **21 N·m (214 kgf·cm, 15ft·lbf)**

(g) Install the engine oil level dipstick.

(h) Connect the 2 wire harness clamps and 3 connectors.

2. INSTALL VACUUM SWITCHING VALVE ASSEMBLY INFO

3. INSTALL MANIFOLD ABSOLUTE PRESSURE SENSOR INFO

4. INSTALL EGR PIPE ASSEMBLY INFO

5. INSTALL THROTTLE BODY ASSEMBLY

(a) Install the throttle body assembly INFO .