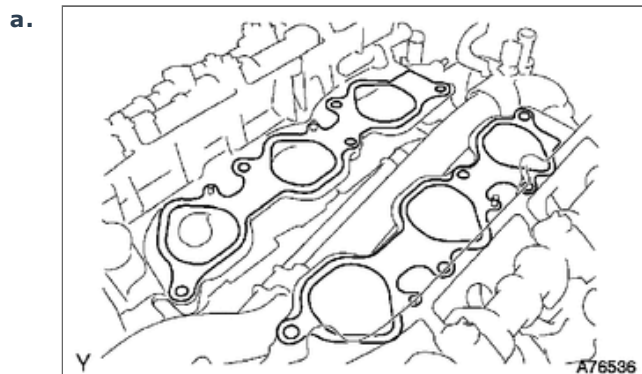


PROCEDURE

1.INSTALL INTAKE MANIFOLD

17111



Set a new gasket on each cylinder head sub-assembly.

NOTICE:

- Align the port holes of the gasket and cylinder head sub-assembly.
- Make sure the gaskets are installed facing the proper direction.

b. Set the intake manifold on the cylinder head sub-assemblies.

c. Install and uniformly tighten the 10 bolts in several passes.

Torque:

26 N*m (265 kgf*cm, 19 ft.*lbf)

HINT:

Tighten the inner installation bolts of the intake manifold before tightening the outer bolts.

2.INSTALL FUEL DELIVERY PIPE SUB-ASSEMBLY

23807

Click here[Engine / Hybrid System>1GR-FE FUEL>FUEL INJECTOR>INSTALLATION](#)

3.INSTALL NO. 2 FUEL PIPE SUB-ASSEMBLY

23802B

Click here[Engine / Hybrid System>1GR-FE FUEL>FUEL INJECTOR>INSTALLATION](#)

4.INSTALL NO. 1 FUEL PIPE SUB-ASSEMBLY

23801P

Click here[Engine / Hybrid System>1GR-FE FUEL>FUEL INJECTOR>INSTALLATION](#)

5.INSTALL INTAKE AIR SURGE TANK

17129

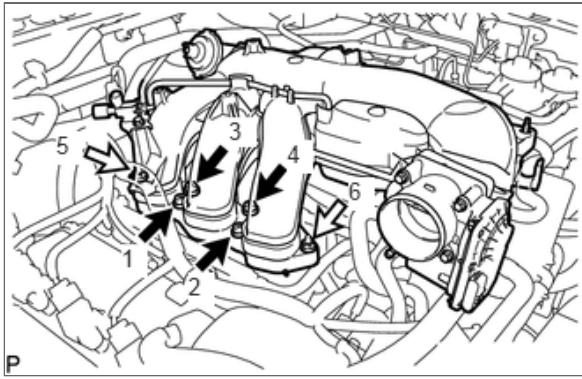
NOTICE:



Do not apply oil to the bolts and nuts listed below: :

Oil Application Prohibited Bolt/Nut
Bolt for surge tank and intake manifold
Nut for surge tank and intake manifold

a. Install a new gasket to the intake air surge tank.

b.



	Bolt
	Nut

Using an 8 mm hexagon wrench, install the intake air surge tank with the 4 bolts and 2 nuts in the order shown in the illustration.

Torque:

28 N*m (286 kgf*cm, 21 ft.*lbf)

c. Install the No. 2 surge tank stay with the 2 bolts.

Torque:

21 N*m (214 kgf*cm, 15 ft.*lbf)

d. Connect the clutch hose bracket with the 2 nuts.

Torque:

20 N*m (204 kgf*cm, 15 ft.*lbf)

e. Attach the wire harness clamp.

f. Install the No. 1 surge tank stay with the 2 bolts.

Torque:

21 N*m (214 kgf*cm, 15 ft.*lbf)

g. Install the oil baffle plate with the bolt.

Torque:

9.0 N*m (92 kgf*cm, 80 in.*lbf)

h. Connect the engine oil level dipstick guide to the No. 1 surge tank stay with the bolt.

Torque:

9.0 N*m (92 kgf*cm, 80 in.*lbf)

i. Connect the ground wire to the No. 1 surge tank stay with the bolt.

Torque:

8.4 N*m (86 kgf*cm, 74 in.*lbf)

j. Attach the wire harness clamp to the No. 1 surge tank stay.

k. Install the throttle body bracket with the 2 bolts.

Torque:

21 N*m (214 kgf*cm, 15 ft.*lbf)

- l. Connect the vacuum switching valve (for ACIS) connector.
- m. Connect the No. 1 ventilation hose to the intake air surge tank, and slide the clamp to secure the hose.
- n. Connect the No. 1 vacuum switching valve connector.
- o. Connect the No. 1 fuel vapor feed hose to the No. 1 vacuum switching valve assembly, and slide the clamp to secure the hose.
- p. Connect the No. 5 water by-pass hose to the water inlet housing, and slide the clamp to secure the hose.
- q. Connect the No. 4 water by-pass hose to the water inlet housing, and slide the clamp to secure the hose.
- r. Connect the throttle body connector.



6.INSTALL AIR CLEANER CAP SUB-ASSEMBLY WITH NO. 1 AIR CLEANER HOSE

17705

- a. Attach the 3 clamps and install the air cleaner cap sub-assembly with No. 1 air cleaner hose.
- b. Connect the No. 1 air cleaner hose to the cylinder head cover sub-assembly with the bolt.
Torque:
5.0 N*m (51 kgf*cm, 44 in.*lbf)
- c. Tighten the hose clamp.
Torque:
2.5 N*m (25 kgf*cm, 22 in.*lbf)
- d. Attach the clamp and connect the wire harness.
- e. Connect the No. 2 ventilation hose to the No. 1 air cleaner hose, and slide the clamp to secure the hose.
- f. Connect the vacuum hose to the No. 1 air cleaner hose.
- g. Attach the clamp and connect the mass air flow meter connector.



7.CONNECT CABLE TO NEGATIVE BATTERY TERMINAL



8.ADD ENGINE COOLANT

[Click here](#)Engine / Hybrid System>1GR-FE COOLING>COOLANT>REPLACEMENT



9.INSPECT FOR COOLANT LEAK

[Click here](#)Engine / Hybrid System>1GR-FE COOLING>COOLING SYSTEM>ON-VEHICLE INSPECTION



10.INSPECT FOR FUEL LEAK

[Click here](#)Engine / Hybrid System>1GR-FE FUEL>FUEL SYSTEM>ON-VEHICLE INSPECTION