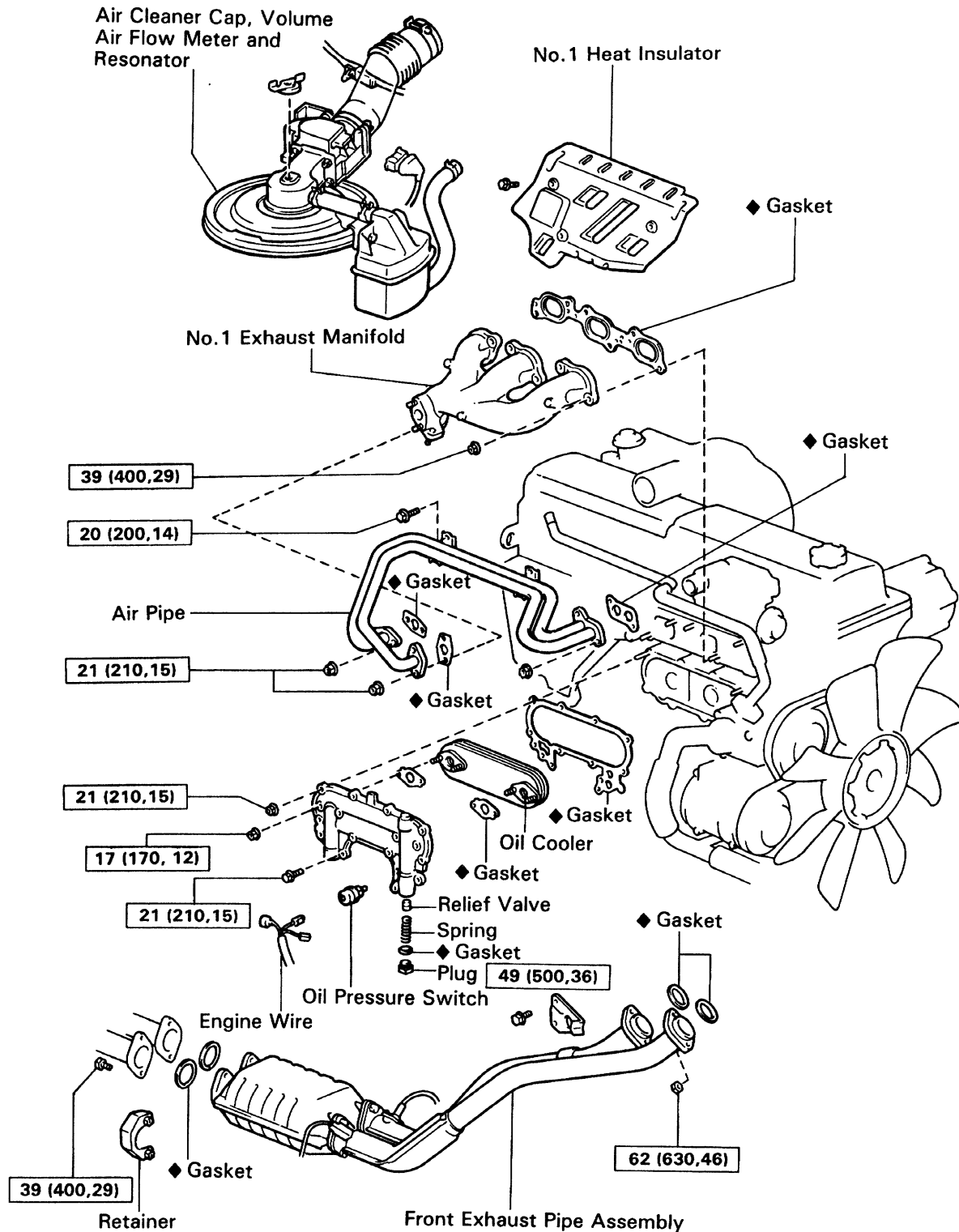


OIL COOLER COMPONENTS FOR REMOVAL AND INSTALLATION

EGOPT-02



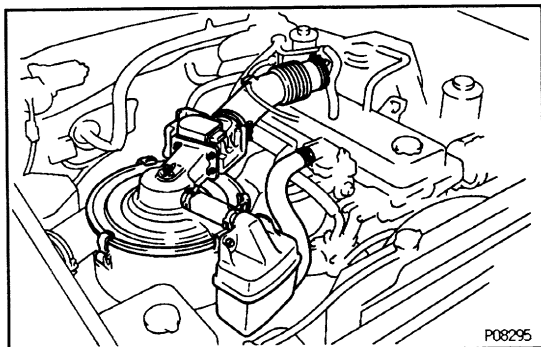
N·m (kgf·cm, ft·lbf) : Specified torque

◆ Non-reusable part

OIL COOLER REMOVAL

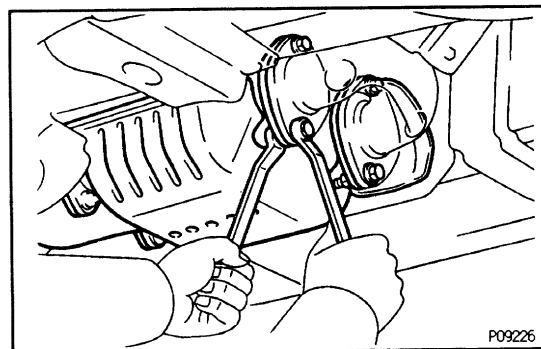
(See Components for Removal and Installation)

1. DRAIN ENGINE COOLANT



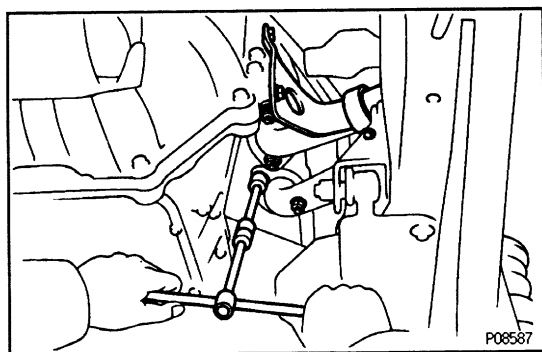
2. REMOVE AIR CLEANER CAP, VOLUME AIR FLOW METER AND RESONATOR

- Disconnect the volume air flow meter connector and wire clamp.
- Loosen the air cleaner hose clamp.
- Loosen the No.2 air hose clamp and disconnect the hose.
- Remove the wing nut and loosen the three clips, and remove the air cleaner cap, volume air flow meter and resonator.



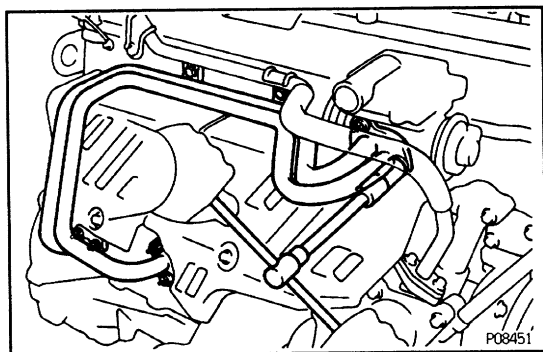
3. REMOVE FRONT EXHAUST PIPE ASSEMBLY

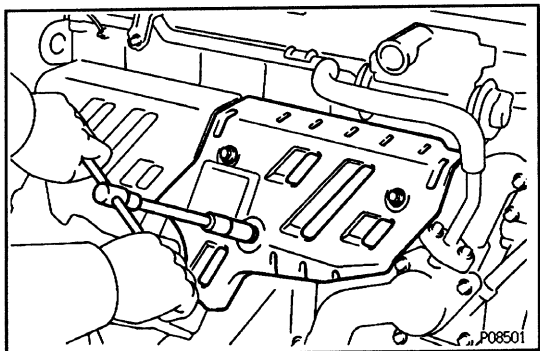
- Remove the four bolts and retainer holding the No.3 front exhaust pipe to the TWCs.
- Loosen the clamp bolt and disconnect the clamp from the No.1 support bracket.
- Remove the two bolts and No.1 support bracket.
- Remove the four nuts, front exhaust pipe assembly and four gaskets.



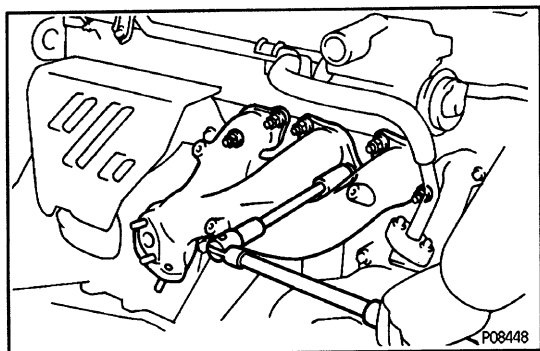
4. REMOVE AIR PIPE

Remove the two bolts, six nuts, air pipe and three gaskets.

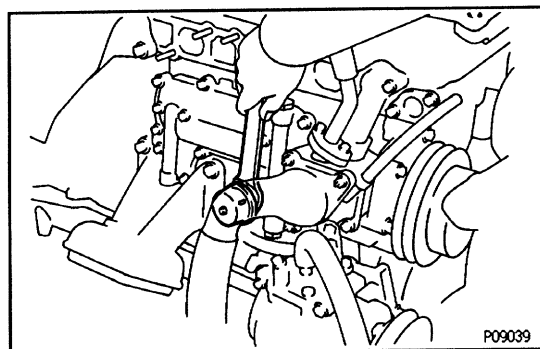
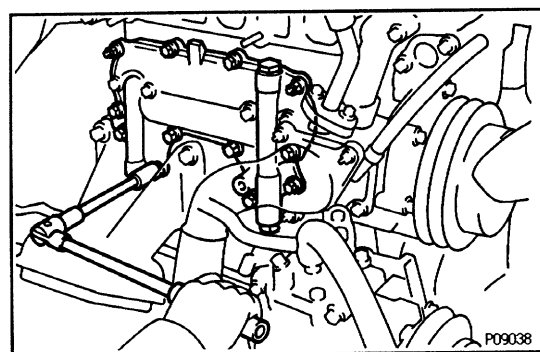


**5. REMOVE NO.1 EXHAUST MANIFOLD**

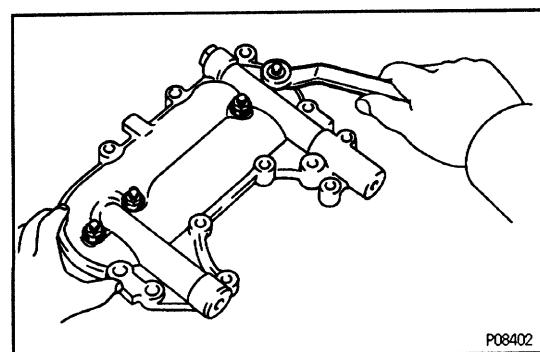
(a) Remove the three bolts and No.1 heat insulator.



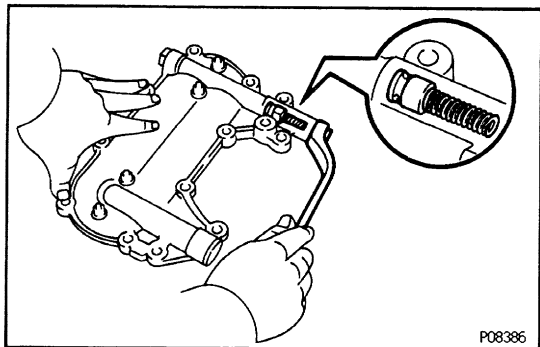
(b) Remove the six nuts, exhaust manifold and gasket.

**6. REMOVE OIL PRESSURE SWITCH****7. REMOVE OIL COOLER AND OIL COOLER COVER ASSEMBLY**

Remove the ten bolts, two nuts, oil cooler and oil cooler cover assembly and gasket.

**8. SEPARATE OIL COOLER AND OIL COOLER COVER**

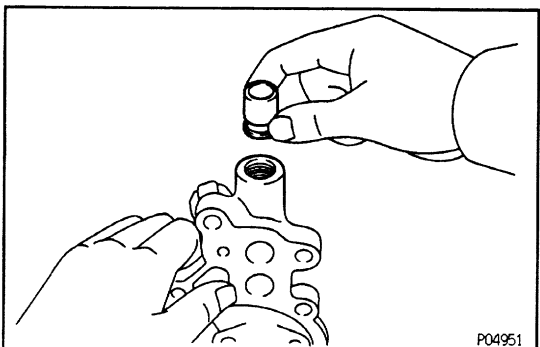
Remove the four nuts, oil cooler and two gaskets from the oil cooler cover.



P08386

9. REMOVE RELIEF VALVE

Remove the plug, gasket, spring and relief valve.



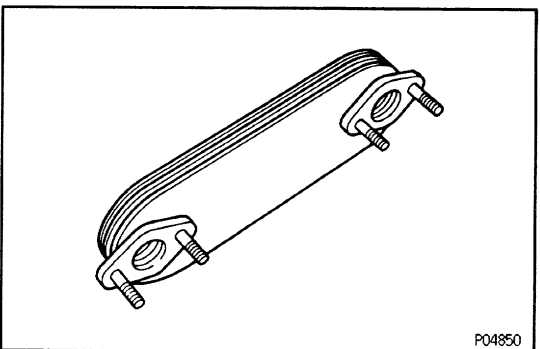
P04951

OIL COOLER INSPECTION

EGONS-01

1. INSPECT RELIEF VALVE

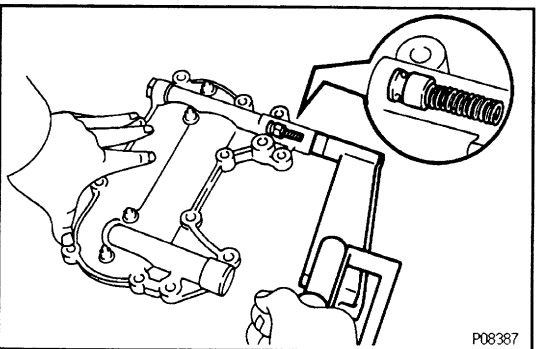
Coat the valve with engine oil and check that it falls smoothly into the valve hole by its own weight. If it doesn't, replace the relief valve. If necessary, replace the oil cooler cover.



P04850

2. INSPECT OIL COOLER

Check the oil cooler for damage or clogging. If necessary, replace the oil cooler.



P08387

OIL COOLER INSTALLATION

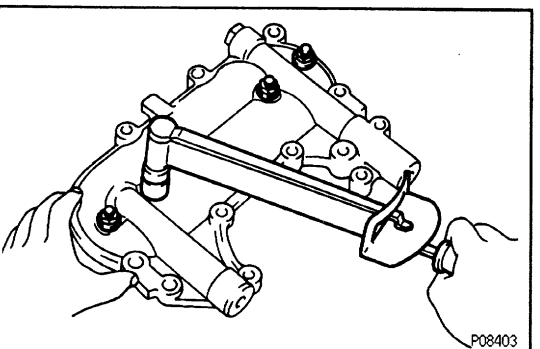
E01JK-01

(See Components for Removal and Installation)

1. INSTALL RELIEF VALVE

Install the relief valve, spring and a new gasket with the plug.

Torque: 49 N-m (500 kgf-cm, 36 ft-lbf)

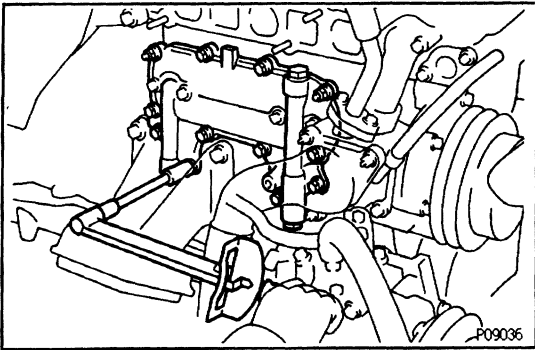


P08403

2. ASSEMBLE OIL COOLER AND OIL COOLER COVER

Install two new gaskets and the oil cooler to the oil cooler cover with the four nuts.

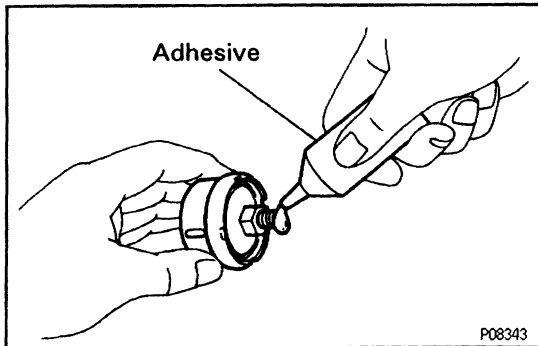
Torque: 17 N-m (170 kgf-cm, 12 N-m)



3. INSTALL OIL COOLER AND OIL COOLER COVER ASSEMBLY

Install a new gasket, the oil cooler and oil cooler cover assembly with the ten bolts and two nuts.

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



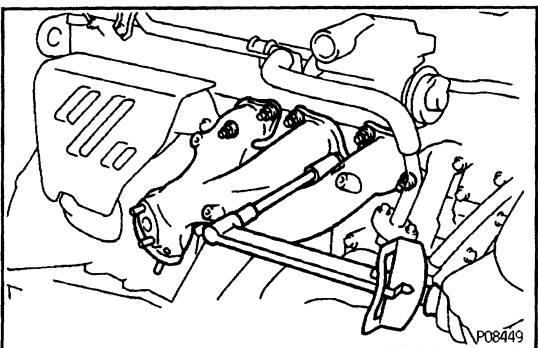
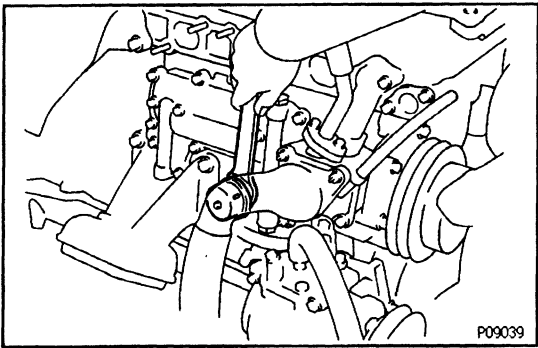
4. INSTALL OIL PRESSURE SWITCH

(a) Apply adhesive to two or three threads of the oil pressure switch.

Adhesive:

Part No. 08833-00080, THREE BOND 1344, LOCTITE 242 or equivalent

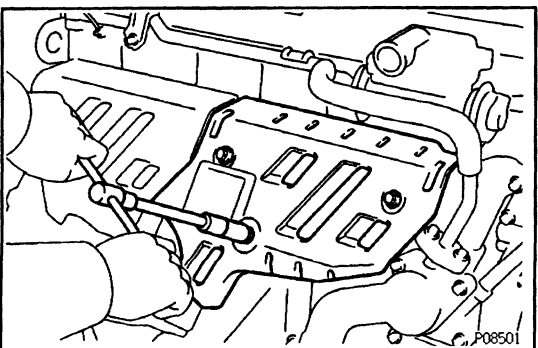
(b) Install the oil pressure switch.



5. INSTALL NO.1 EXHAUST MANIFOLD

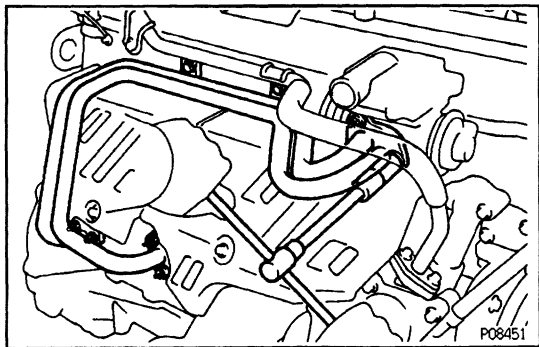
(a) Install a new gasket and the exhaust manifold with the six nuts.

Torque: 39 N-m (400 kgf-cm, 29 ft-lbf)



(b) Install the heat insulator with the three bolts.

Torque: 20 N-m (195 kgf-cm, 14 ft-lbf)

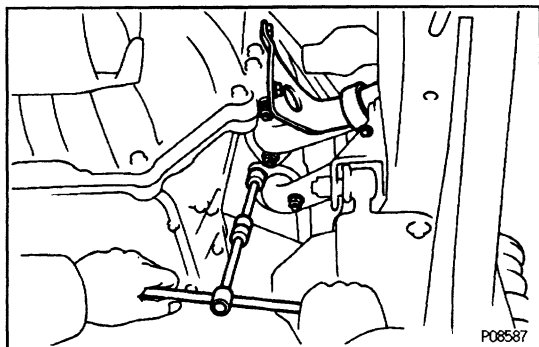


6. INSTALL AIR PIPE

Install three new gaskets and air pipe with the two bolts and six nuts.

Torque: 20 N-m (200 kgf-cm, 14 ft-lbf) for Bolt

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



7. INSTALL FRONT EXHAUST PIPE ASSEMBLY

(a) Install two gaskets and the front exhaust pipe assembly with the four bolts.

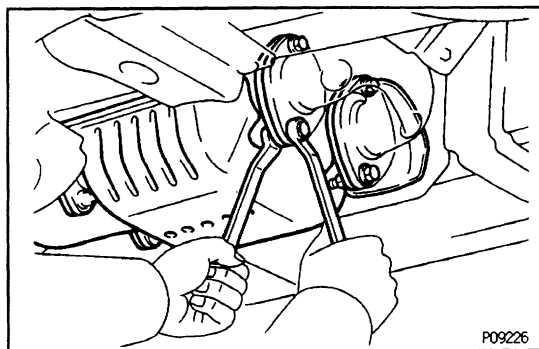
Torque: 62 N-m (630 kgf-cm, 46 ft-lbf)

(b) Install the No.1 support bracket with the two bolts.

Torque: 39 N-m (400 kgf-cm, 29 ft-lbf)

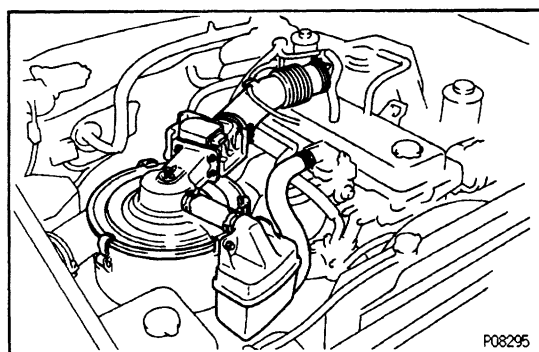
(c) Connect the clamp and tighten the clamp bolt.

Torque: 19 N-m (195 kgf-cm, 14 ft-lbf)



(d) Connect two new gaskets and the front exhaust pipe assembly to the No.3 front exhaust pipe with the four bolts, two nuts and retainer.

Torque: 39 N-m (400 kgf-cm, 29 ft-lbf)



8. INSTALL AIR CLEANER CAP, VOLUME AIR FLOW METER AND RESONATOR

(a) Connect the air cleaner hose and install the air cleaner cap, volume air flow meter and resonator with the wing nut and three clips.

(b) Tighten the air cleaner hose clamp.

(c) Connect the No.2 air hose with the clamp.

(d) Connect the volume air flow meter connector and wire clamp.

9. FILL WITH ENGINE COOLANT

10. START ENGINE AND CHECK FOR LEAKS

11. CHECK ENGINE OIL