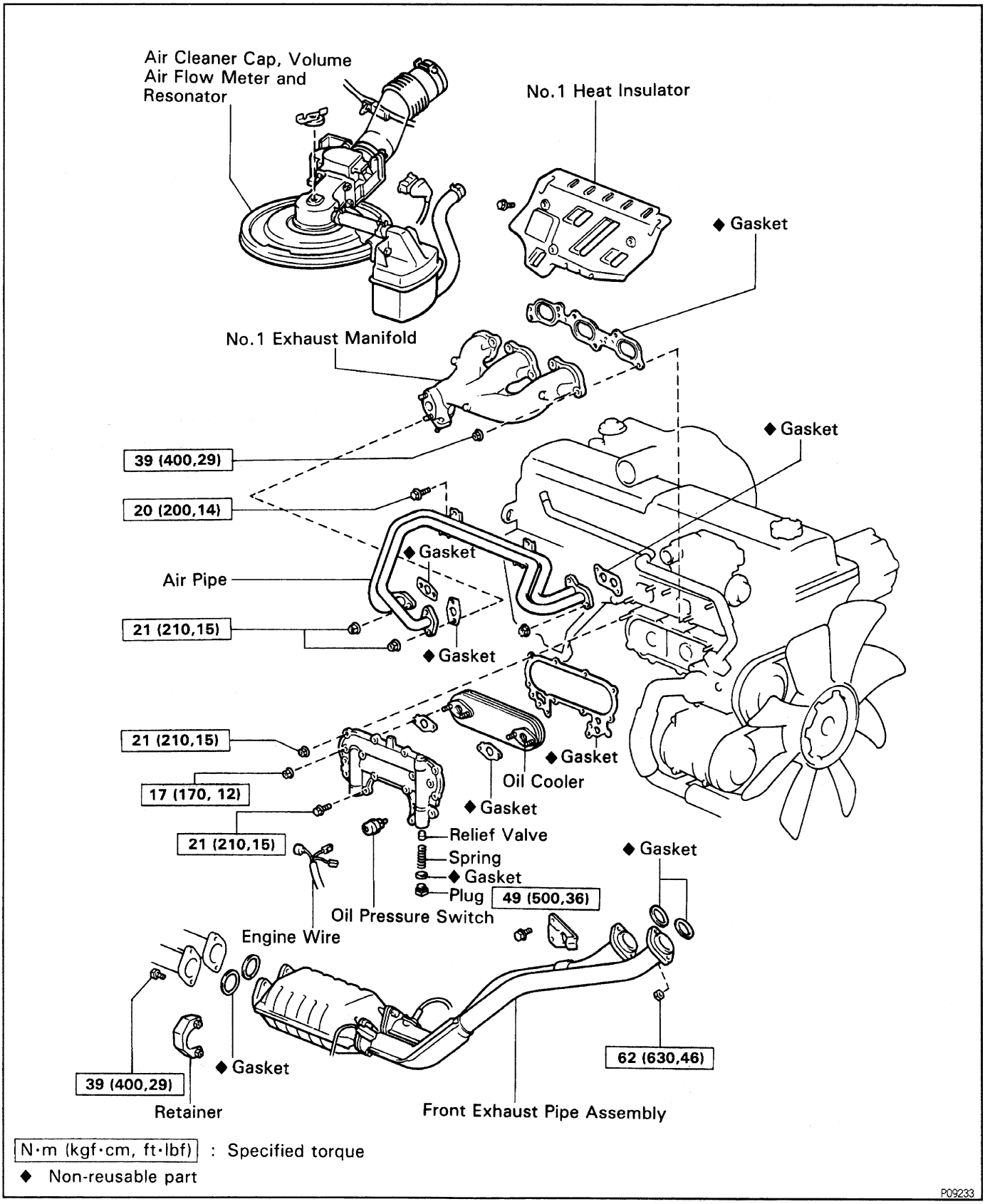
OIL COOLER

EGOPT-02

COMPONENTS FOR REMOVAL AND INSTALLATION



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

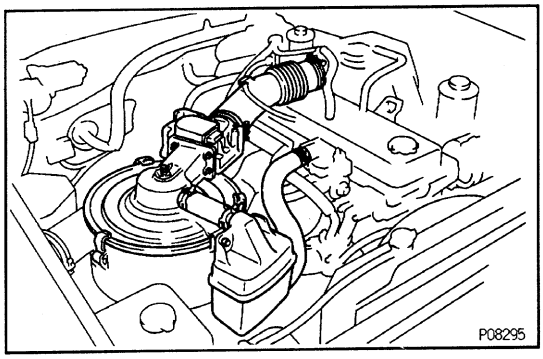
◆ Non-reusable part

P09233

EG1JJ–02

OIL COOLER REMOVAL
(See Components for Removal and Installation)

1. DRAIN ENGINE COOLANT

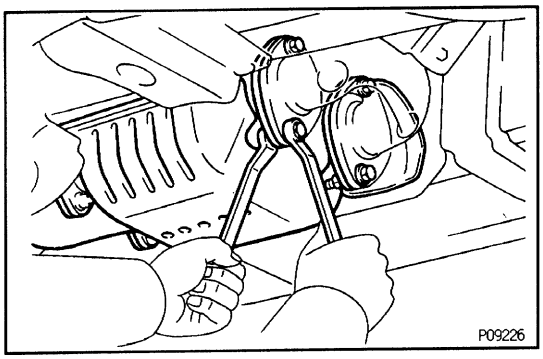


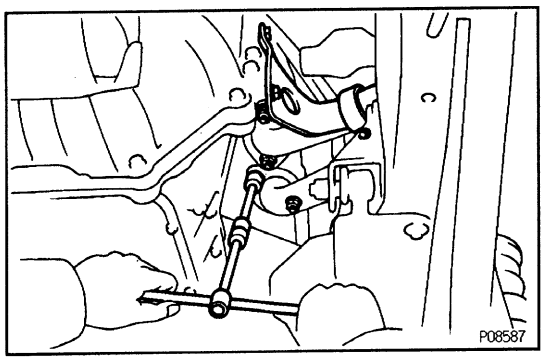
2. REMOVE AIR CLEANER CAP, VOLUME AIR FLOW METER AND RESONATOR

(a) Disconnect the volume air flow meter connector and wire clamp.
(b) Loosen the air cleaner hose clamp.
(c) Loosen the No.2 air hose clamp and disconnect the hose.
(d) Remove the wing nut and loosen the 3 clips, and remove the air cleaner cap, volume air flow meter and resonator.

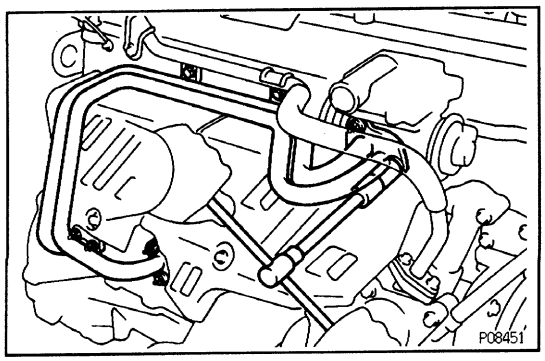
3. REMOVE FRONT EXHAUST PIPE ASSEMBLY

(a) Remove the 4 bolts and retainer holding the No.3 front exhaust pipe to the TWCs.



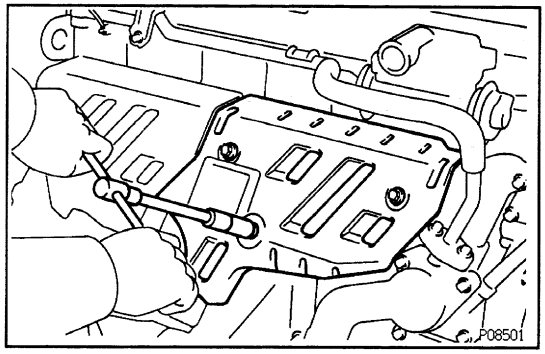


(b) Loosen the clamp bolt and disconnect the clamp from the No.1 support bracket.
(c) Remove the 2 bolts and No.1 support bracket.
(d) Remove the 4 nuts, front exhaust pipe assembly and 4 gaskets.



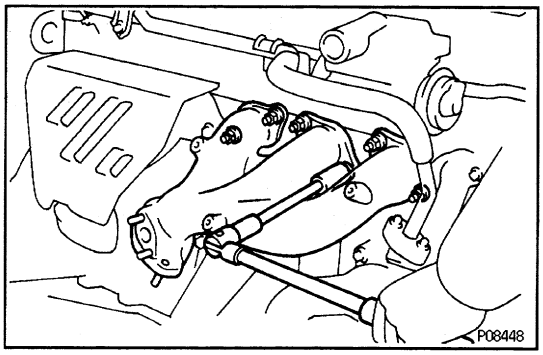
4. REMOVE AIR PIPE

Remove the 2 bolts, 6 nuts, air pipe and 3 gaskets.

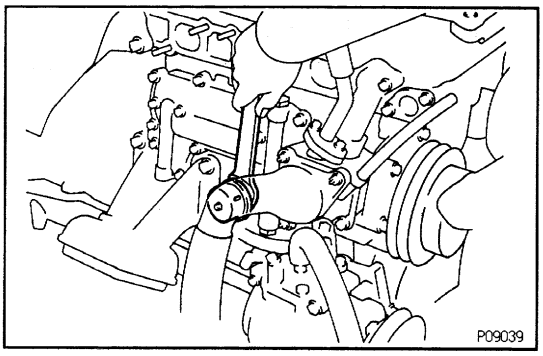


5. REMOVE NO.1 EXHAUST MANIFOLD

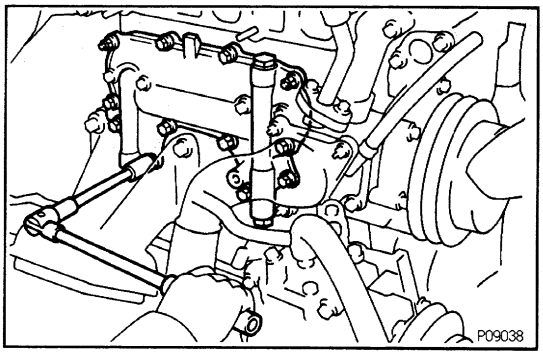
(a) Remove the 3 bolts and No.1 heat insulator.



(b) Remove the 6 nuts, exhaust manifold and gasket.

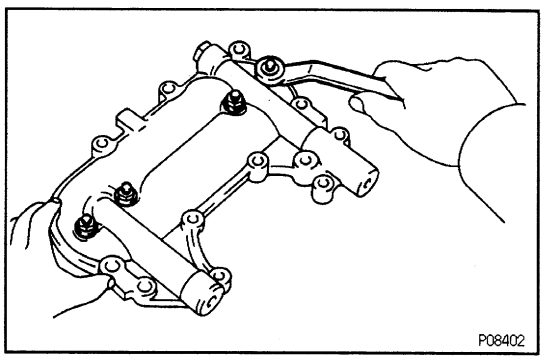


6. REMOVE OIL PRESSURE SWITCH



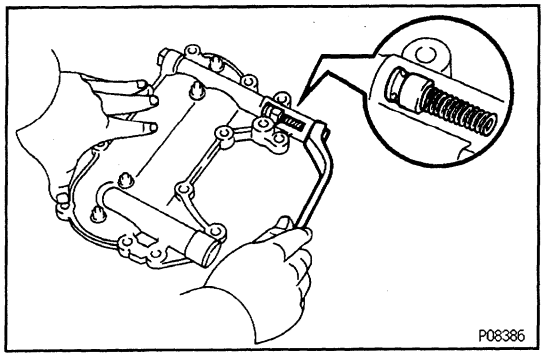
7. REMOVE OIL COOLER AND OIL COOLER COVER ASSEMBLY

Remove the 10 bolts, 2 nuts, oil cooler and oil cooler cover assembly and gasket.



8. SEPARATE OIL COOLER AND OIL COOLER COVER

Remove the 4 nuts, oil cooler and 2 gaskets from the oil cooler cover.

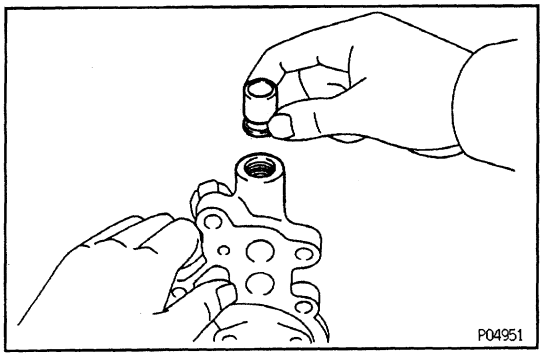


9. REMOVE RELIEF VALVE

Remove the plug, gasket, spring and relief valve.

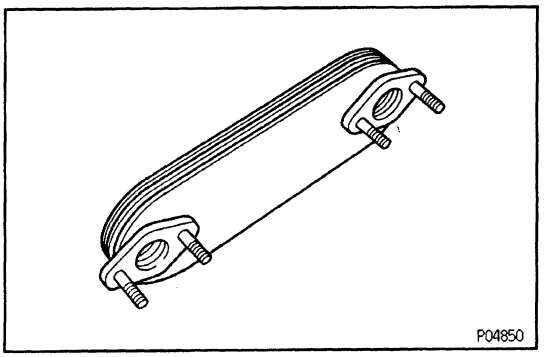
EGONS–01

OIL COOLER INSPECTION



1. INSPECT RELIEF VALVE

Coat the valve with engine oil and check that it falls smoothly into the valve hole 6^ its own weight.
If it doesn't, replace the relief valve. If necessary, replace the oil cooler cover.



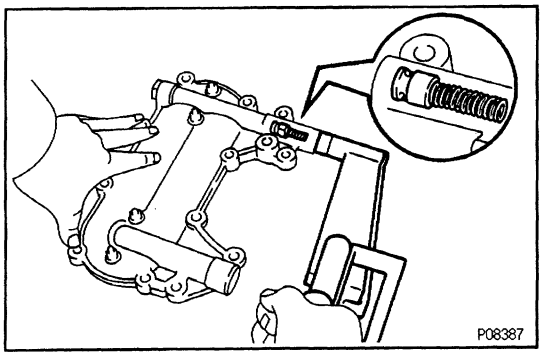
2. INSPECT OIL COOLER

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

EG1JK–02

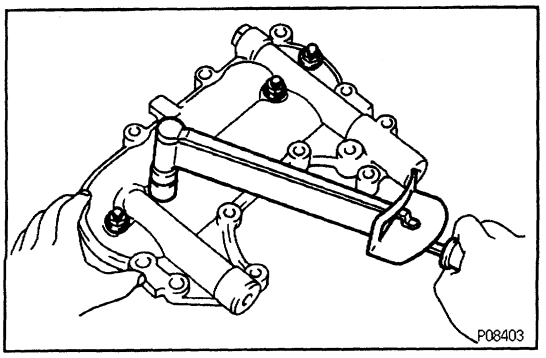
OIL COOLER INSTALLATION

(See Components for Removal and Installation)



1. INSTALL RELIEF VALVE

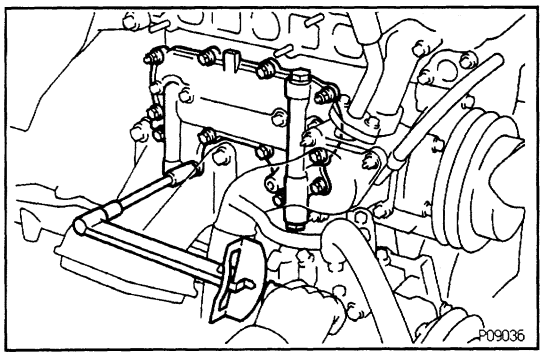
Install the relief valve, spring and a new gasket with the plug.
Torque: 49 N–m (500 kgf–cm, 36 ft–lbf)



2. ASSEMBLE OIL COOLER AND OIL COOLER COVER

Install 2 new gaskets and the oil cooler to the oil cooler cover with the 4 nuts.

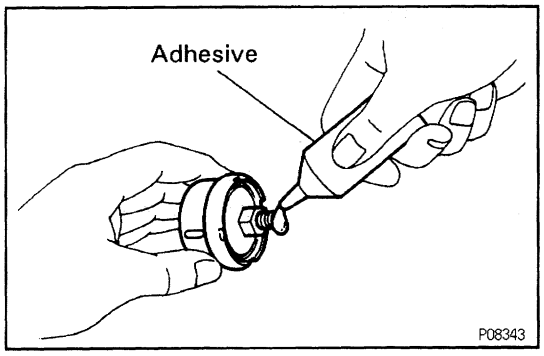
Torque: 17 N–m (170 kgf–cm, 12 ft–lbf)



3. INSTALL OIL COOLER AND OIL COOLER COVER ASSEMBLY

Install a new gasket, the oil cooler and oil cooler cover assembly with the 10 bolts and 2 nuts.

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

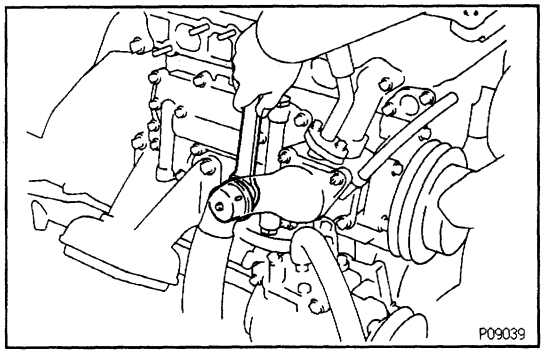


4. INSTALL OIL PRESSURE SWITCH

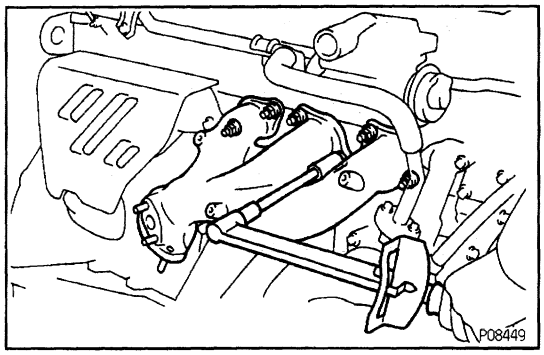
(a) Apply adhesive to 2 or 3 threads of the oil pressure switch.

Adhesive:

Part No. 08833–00080, THREE BOND 1344, LoCTITE 242 or equivalent



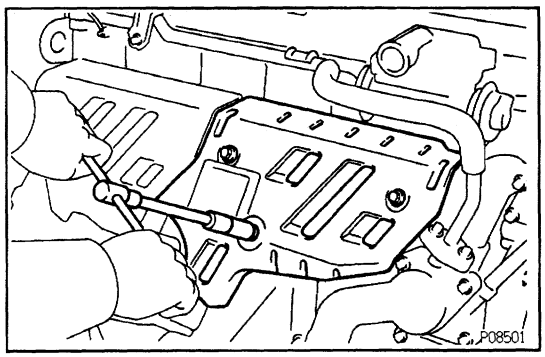
(b) Install the oil pressure switch.



5. INSTALL NO.1 EXHAUST MANIFOLD

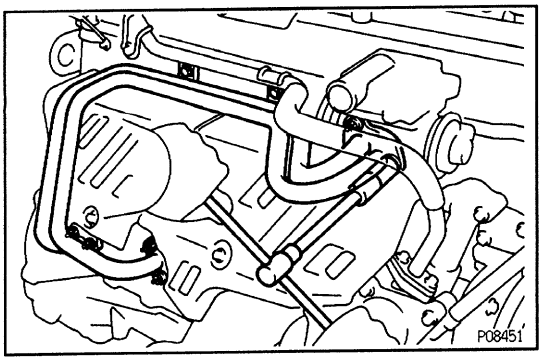
(a) Install a new gasket and the exhaust manifold with the 6 nuts.

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



(b) Install the heat insulator with the 3 bolts.

Torque: 20 N–m (195 kgf–cm, 14 ftYbf)



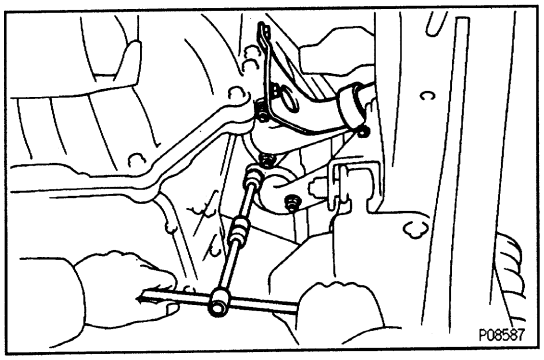
6. INSTALL AIR PIPE

Install 3 new gaskets and the air pipe with the 2 bolts and 6 nuts.

Torque:

20 N–m (200 kgf–cm, 14 ft–lbf) for bolt

21 N–m (210 kgf–cm, 15 ft–lbf) for nut



7. INSTALL FRONT EXHAUST PIPE ASSEMBLY

(a) Install 2 new gaskets and the front exhaust pipe assembly with the 4 bolts.

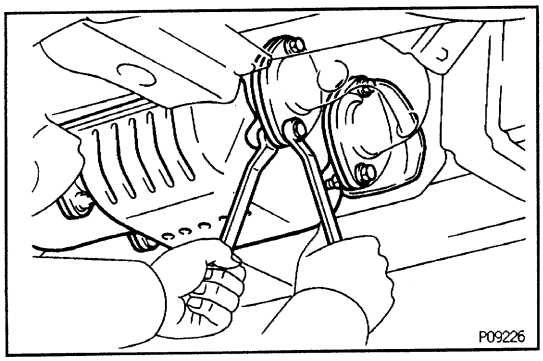
Torque: 62 N–m (630 kgf–cm. 46 ft–lbf)

(b) Install the No.1 support bracket with the 2 bolts.

Torque: 39 N–m (400 kgf–cm, 29 ftYbf)

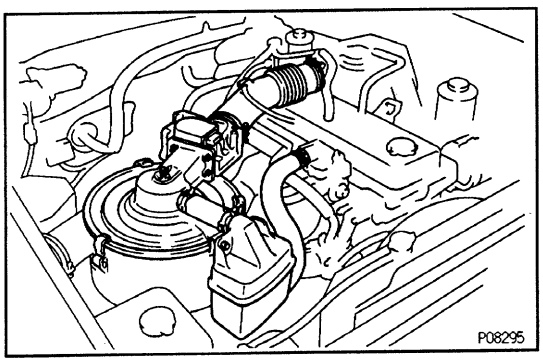
(c) Connect the clamp and tighten the clamp bolt.

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



(d) Connect 2 new gaskets and the front exhaust pipe assembly to the No.3 front exhaust pipe with the 4 bolts, 2 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 3 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