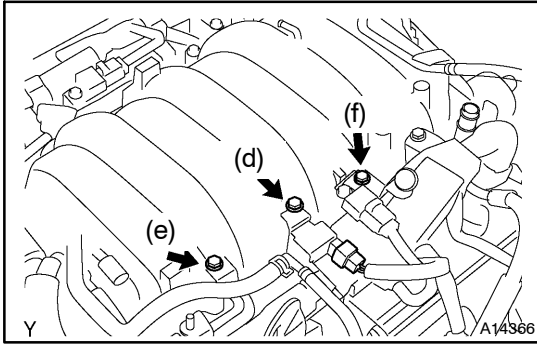


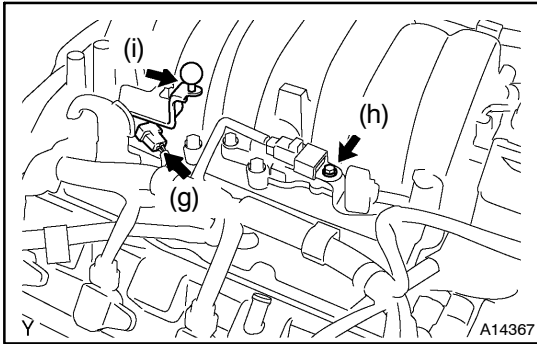
REPLACEMENT

1. DRAIN ENGINE COOLANT (See page 16-8)
2. WORK FOR PREVENTING GASOLINE FROM SPILLING OUT (See page 11-5)
3. DISCONNECT BATTERY NEGATIVE TERMINAL
4. REMOVE V-BANK COVER
5. REMOVE INTAKE AIR CONNECTOR PIPE
6. REMOVE THROTTLE BODY ASSY (See page 10-8)

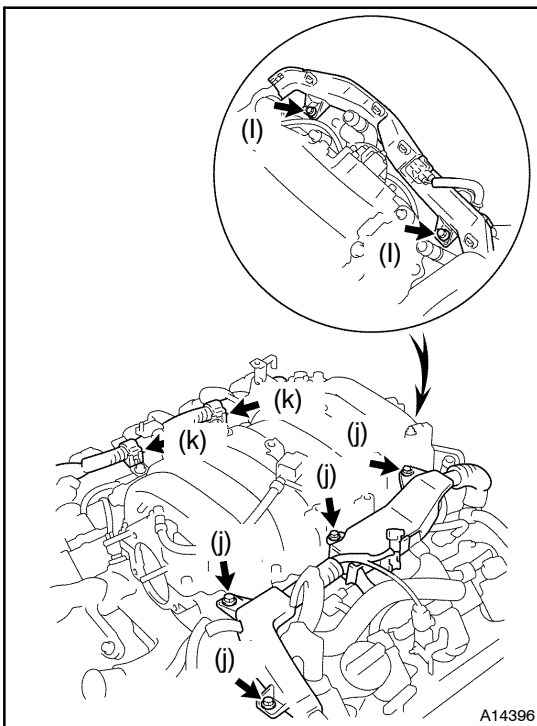


7. REMOVE INTAKE MANIFOLD ASSY

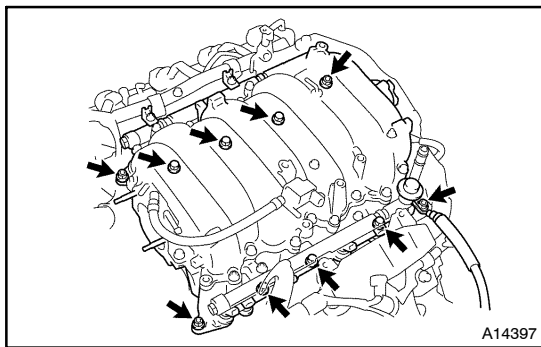
- (a) Disconnect the fuel pipe sub-assy No. 2 from the fuel main tube (see page 11-5).
- (b) Disconnect the VSV connector for EVAP.
- (c) Disconnect the EVAP hose from the VSV for EVAP.
- (d) Remove the bolt, disconnect the VSV for EVAP from the upper intake manifold.
- (e) Remove the bolt and V-bank cover bracket No. 2.
- (f) Remove the bolt and V-bank cover bracket No. 3.



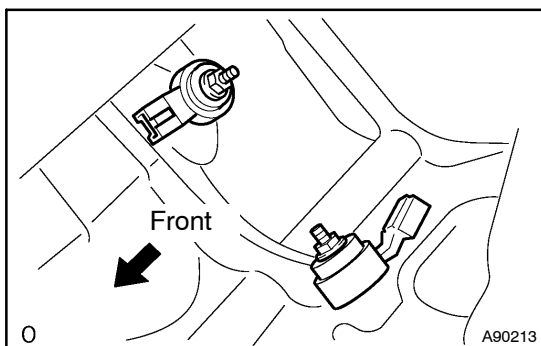
- (g) Disconnect the VSV connector for IAC Valve.
- (h) Remove the bolt and V-bank cover bracket No. 1.
- (i) Remove the bolt and V-bank cover bracket No. 4.



- (j) Remove the 4 bolts, and disconnect the engine wire protector (LH side) from upper intake manifold and camshaft bearing cap.
- (k) Disconnect the 2 wire clamps on the engine wire (RH side) from the brackets on the RH delivery pipe.
- (l) Remove the 2 bolts, and disconnect the engine wire protector (rear side) from the rear water by-pass joint and RH cylinder head.

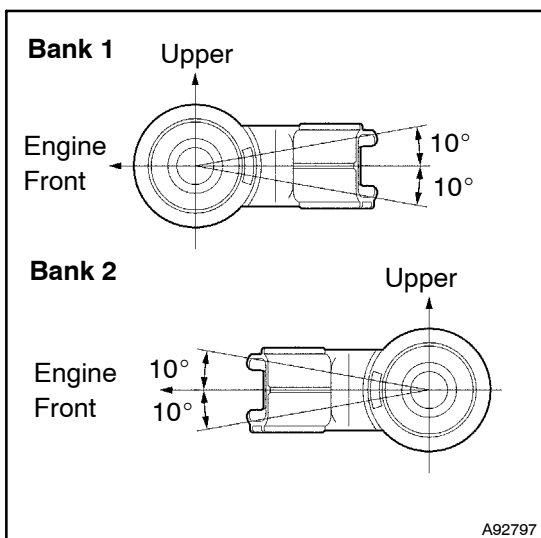


- (m) Disconnect the 8 injector connectors.
- (n) Remove the 6 bolts, 4 nuts, the upper and lower intake manifolds assembly and 2 gaskets.



8. REMOVE KNOCK SENSOR

- (a) Disconnect the 2 knock sensor connectors.
- (b) Remove the 2 nuts and 2 knock sensors.

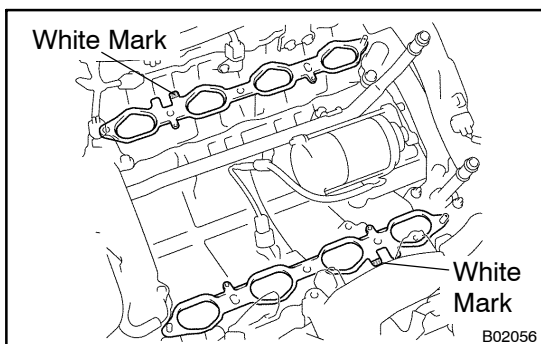


9. INSTALL KNOCK SENSOR

- (a) Install the 2 knock sensors with the 2 nuts, as shown in the illustration.

Torque: 20 N·m (204 kgf·cm, 15 ft·lbf)

- (b) Connect the 2 knock sensor connectors.

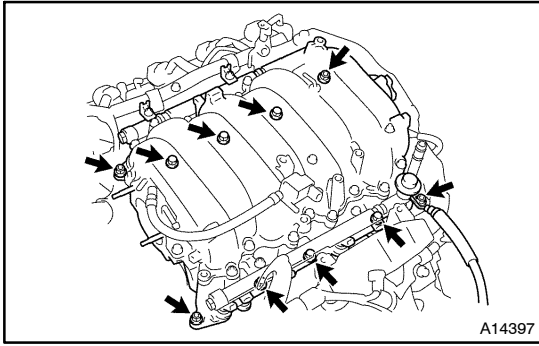


10. INSTALL INTAKE MANIFOLD ASSY

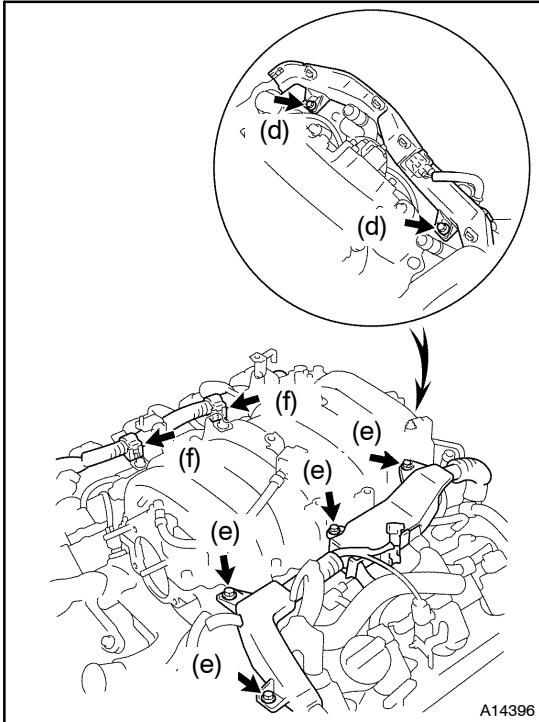
- (a) Place 2 new gaskets on the cylinder heads with the white mark facing outward.

NOTICE:

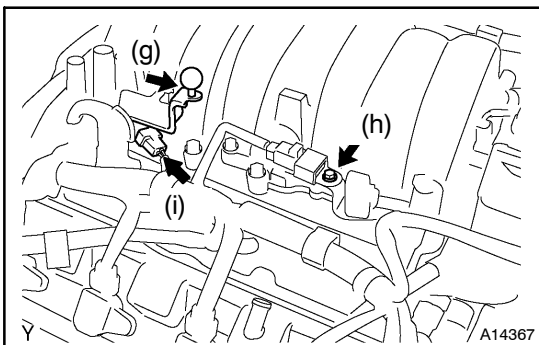
Be careful of the installation direction.



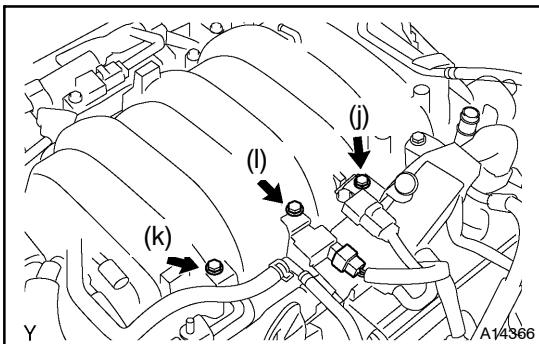
- (b) Install the upper and lower intake manifolds assembly with the 6 bolts and 4 nuts.
Torque: 18 N·m (185 kgf·cm, 13 ft·lbf)
- (c) Connect the 8 injector connectors.



- (d) Install the engine wire protector (rear side) with the 2 bolts.
- (e) Install the engine wire protector (LH side) with the 4 bolts.
- (f) Install the 2 wire clamps on the engine wire (RH side) to the brackets on the RH delivery pipe.



- (g) Install the V-bank cover bracket No. 4 with bolt.
Torque: 7.5 N·m (76.5 kgf·cm, 66 in·lbf)
- (h) Install the V-bank cover bracket No. 1 with bolt.
Torque: 7.5 N·m (76.5 kgf·cm, 66 in·lbf)
- (i) Connect the VSV connector for IAC Valve.



- (j) Install the V-bank cover bracket No. 3 with bolt.
Torque: 7.5 N·m (76.5 kgf·cm, 66 in·lbf)
- (k) Install the V-bank cover bracket No. 2 with bolt.
Torque: 7.5 N·m (76.5 kgf·cm, 66 in·lbf)
- (l) Install the VSV for EVAP to the intake manifold with the bolt.
Torque: 7.5 N·m (76.5 kgf·cm, 66 in·lbf)
- (m) Connect the EVAP hose to the VSV for EVAP.
- (n) Connect the VSV connector for EVAP.

- (o) Connect the fuel pipe No. 2 to the fuel main tube (see page 11-5).

11. **INSTALL THROTTLE BODY ASSY (See page 10-8)**
12. **INSTALL INTAKE AIR CONNECTOR PIPE**
13. **INSPECT FUEL PUMP OPERATION AND CHECK FOR FUEL LEAKS (See page 11-8)**
14. **INSTALL V-BANK COVER**
Torque: 5.0 N·m (51 kgf·cm, 44 in·lbf)
15. **CONNECT BATTERY NEGATIVE TERMINAL**

NOTICE:

When disconnecting the negative (-) battery terminal, initialize the following system(s) after the terminal is reconnected (see page 01-20).

16. **REFILL ENGINE COOLANT (See page 16-8)**
17. **CHECK FOR ENGINE COOLANT LEAKS (See page 16-1)**