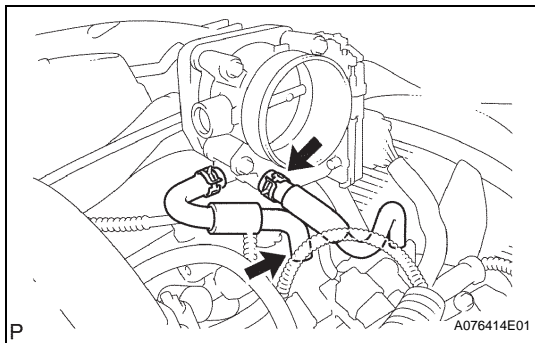
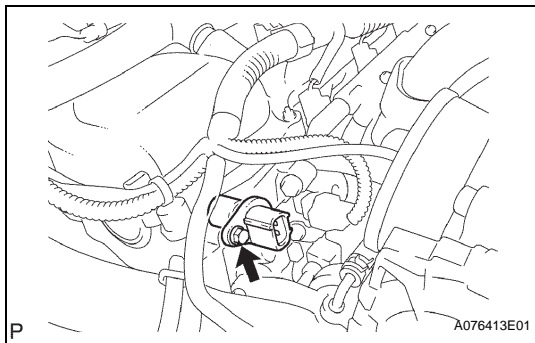


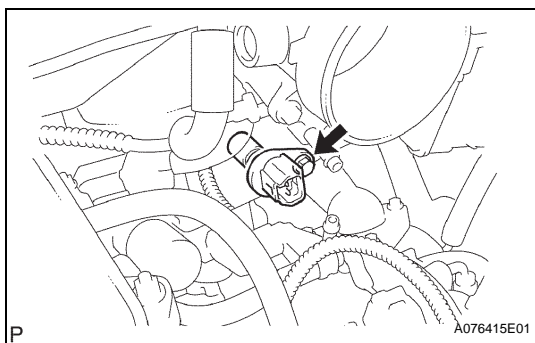
VVT SENSOR

REMOVAL

1. DISCONNECT CABLE FROM NEGATIVE BATTERY TERMINAL
2. DRAIN ENGINE COOLANT (See page [CO-3](#))
3. REMOVE V-BANK COVER (See page [ES-414](#))
4. REMOVE AIR CLEANER ASSEMBLY (See page [ES-415](#))
5. REMOVE VVT SENSOR
 - (a) RH bank side VVT sensor:
 - (1) Disconnect the VVT sensor connector.
 - (2) Remove the bolt and VVT sensor.



- (b) LH bank side VVT sensor:
 - (1) Disconnect the water by-pass hoses No. 4 and No. 5 .
 - (2) Disconnect the VVT sensor connector.



- (3) Remove the bolt and VVT sensor.

INSTALLATION

1. INSTALL VVT SENSOR

- (a) LH bank side VVT sensor:
 - (1) Apply a light coat of engine oil to the O-ring of the VVT sensor.
 - (2) Install the VVT sensor with the bolt.
Torque: 8.0 N*m (82 kgf*cm, 71 in.*lbf)
 - (3) Connect the VVT sensor connector.
 - (4) Connect the water by-pass hoses No. 4 and No. 5.
- (b) RH bank side VVT sensor:
 - (1) Apply a light coat of engine oil to the O-ring of the VVT sensor.
 - (2) Install the VVT sensor with the bolt.
Torque: 8.0 N*m (82 kgf*cm, 71 in.*lbf)
 - (3) Connect the VVT sensor connector.

2. INSTALL AIR CLEANER ASSEMBLY (See page [ES-416](#))

3. CONNECT CABLE TO NEGATIVE BATTERY TERMINAL

Torque: 3.9 N*m (40 kgf*cm, 35 in.*lbf)

4. ADD ENGINE COOLANT (See page [CO-3](#))

5. CHECK FOR ENGINE COOLANT LEAKAGE (See page [CO-4](#))

6. INSTALL V-BANK COVER

- (a) Install the V-bank cover with the 2 nuts.
Torque: 7.5 N*m (76 kgf*cm, 66 in.*lbf)