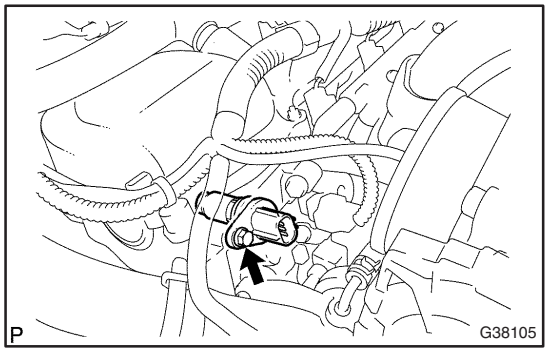
VVT SENSOR (1GR–FE)(From August, 2004)

1806O–04

REPLACEMENT

1. **DRAIN ENGINE COOLANT (SEE PAGE 16–19)**
2. **REMOVE V–BANK COVER (SEE PUB. NO. RM1017E, PAGE 10–7)**
3. **DISCONNECT VENTILATION HOSE NO.2 (SEE PUB. NO. RM1017E, PAGE 10–7)**
4. **REMOVE AIR CLEANER ASSY (SEE PUB. NO. RM1017E, PAGE 10–7)**

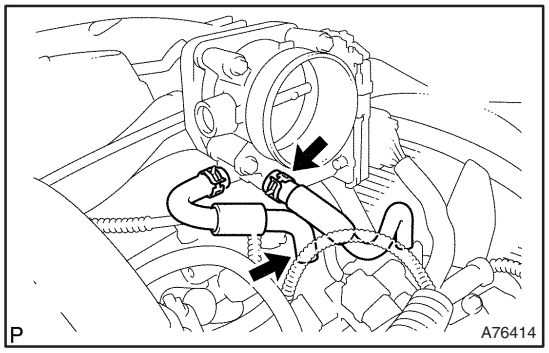


5. REMOVE VVT SENSOR

(a) RH bank side VVT sensor.

(1) Disconnect the VVT sensor connector.

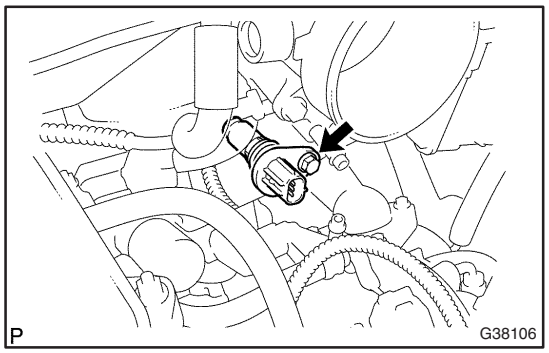
(2) Remove the bolt and the VVT sensor.



(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 the VVT sensor.

6. INSTALL VVT SENSOR

(a) LH bank side VVT sensor.

(1) Apply a light coat of engine oil to an 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 an 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.

7. INSTALL AIR CLEANER ASSY (SEE PUB. NO. RM1017E, PAGE 10–7)
8. CONNECT VENTILATION HOSE NO.2 (SEE PUB. NO. RM1017E, PAGE 10–7)
9. ADD ENGINE COOLANT (SEE PAGE 16–19)
10. CHECK FOR ENGINE COOLANT LEAKS (SEE PAGE 16–17)
11. 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)