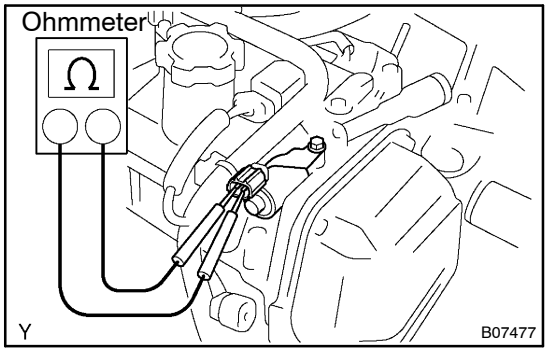

CAMSHAFT TIMING OIL CONTROL VALVE

SF0NR–04

ON–VEHICLE INSPECTION

1. REMOVE AIR CLEANER INLET

2. REMOVE AIR CLEANER ASSEMBLY

3. REMOVE NO.2 CYLINDER HEAD COVER

4. INSPECT CAMSHAFT TIMING OIL CONTROL VALVE RESISTANCE

(a) Disconnect the oil control valve connector.

(b) Using an ohmmeter, measure the resistance between the terminals.

Resistance: 5.5 – 12 Ω at 20°C (68°F)

If the resistance is not as specified, replace the valve.

(c) Reconnect the oil control valve connector.

5. INSPECT VVT–i OPERATION

(a) Allow the engine to warm up to normal operating temperature.

(b) Check that the engine stalls or becomes in rough–idling state when the battery positive voltage is applied to the oil control valve with the engine idling.

If operation is not as specified, check the oil control valve (see page FI–44), VVT–i pulley, intake camshaft, wiring and engine ECU.

6. INSTALL NO.2 CYLINDER HEAD COVER

7. INSTALL AIR CLEANER ASSEMBLY

Torque: 7.5 N·m (75 kgf·cm, 6.5 in.·lbf)

8. INSTALL AIR CLEANER INLET

Torque: 5 N·m (50 kgf·cm, 43 in.·lbf)