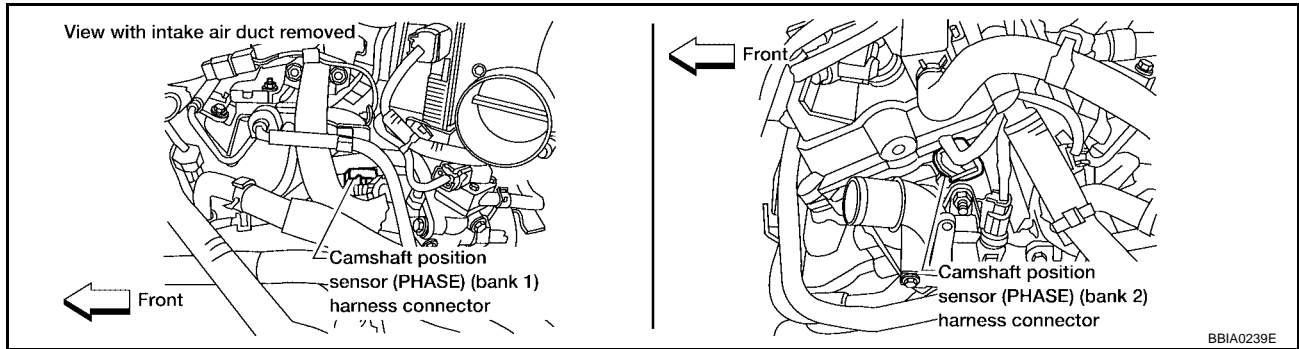


## DTC P0340, P0345 CMP SENSOR (PHASE)

### 3. CHECK CAMSHAFT POSITION (CMP) SENSOR (PHASE) POWER SUPPLY CIRCUIT

1. Disconnect camshaft position (CMP) sensor (PHASE) harness connector.



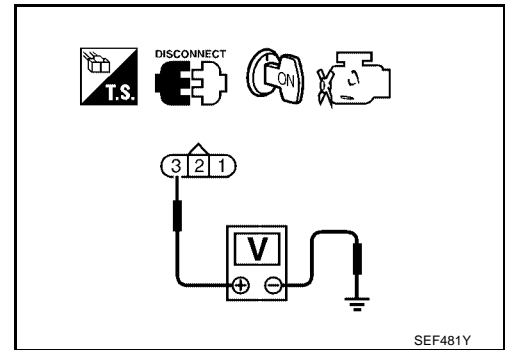
2. Turn ignition switch ON.
3. Check voltage between CMP sensor (PHASE) terminal 3 and ground with CONSULT-II or tester.

**Voltage: Battery voltage**

4. Also check harness for short to ground and short to power.

OK or NG

OK >> GO TO 5.  
NG >> GO TO 4.



### 4. DETECT MALFUNCTIONING PART

Check the following.

- Harness connectors E131, M92
- Harness for open or short between camshaft position sensor (PHASE) and ECM
- Harness for open or short between camshaft position sensor (PHASE) and IPDM E/R

>> Repair open circuit or short to ground or short to power in harness or connectors.

### 5. CHECK CMP SENSOR (PHASE) GROUND CIRCUIT FOR OPEN AND SHORT

1. Turn ignition switch OFF.
2. Check harness continuity between CMP sensor (PHASE) terminal 1 and ground.

**Continuity should exist.**

3. Also check harness for short to power.

OK or NG

OK >> GO TO 7.  
NG >> GO TO 6.

### 6. DETECT MALFUNCTIONING PART

Check the following.

- Harness connectors F58, M70
- Harness for open or short between CMP sensor (PHASE) and ground

>> Repair open circuit or short to power in harness or connectors.