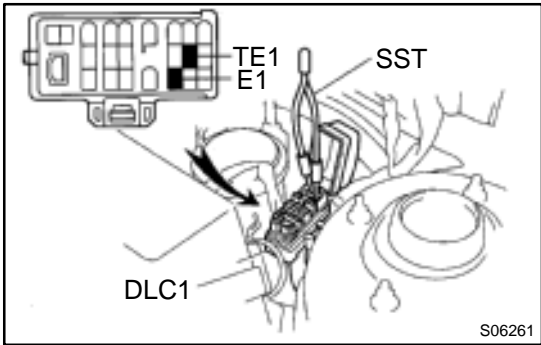


# **IDLE AIR CONTROL (IAC) VALVE ON-VEHICLE INSPECTION**

SF19Y-01

## **1. INSPECT IAC VALVE OPERATION**

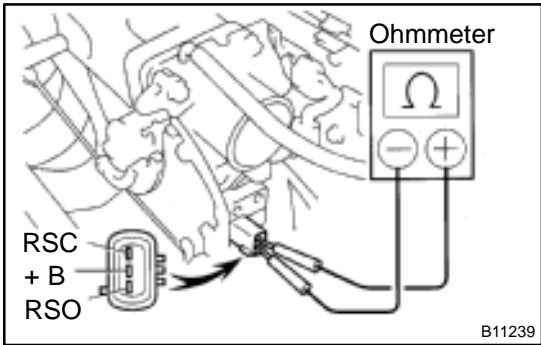
- (a) Initial conditions:
  - Engine at normal operating temperature
  - Idle speed set correctly
  - Transmission in neutral position



- (b) Using SST, connect terminals TE1 and E1 of the DLC1.  
SST 09843-18020
- (c) After engine rpm is kept at 900 – 1,300 rpm for 5 seconds, check that it returns to idle speed.

If the rpm operation is not as specified, check the IAC valve, wiring and ECM.

- (d) Remove the SST from the DLC1.  
SST 09843-18020



## **2. INSPECT IAC VALVE RESISTANCE**

### **NOTICE:**

"Cold" and "Hot" in the following sentences express the temperature of the coils themselves. "Cold" is from  $-10^{\circ}\text{C}$  ( $14^{\circ}\text{F}$ ) to  $50^{\circ}\text{C}$  ( $122^{\circ}\text{F}$ ) and "Hot" is from  $50^{\circ}\text{C}$  ( $122^{\circ}\text{F}$ ) to  $100^{\circ}\text{C}$  ( $212^{\circ}\text{F}$ ).

- (a) Disconnect the IAC valve connector.
- (b) Using an ohmmeter, measure the resistance between terminal +B and other terminals (RSC,RSO).

### **Resistance:**

Cold	17.0 – 24.5 $\Omega$
Hot	21.5 – 28.5 $\Omega$

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

- (c) Reconnect the IAC valve connector.