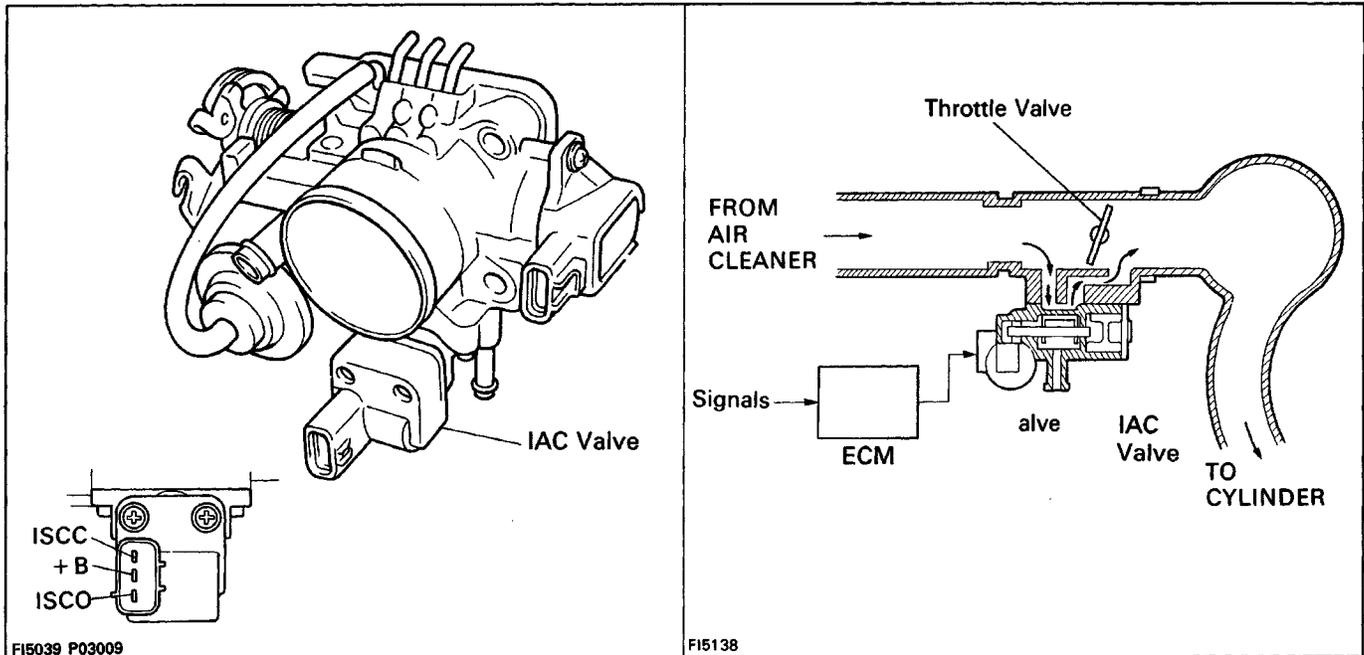


Idle Air Control (IAC) Valve (5S-FE)

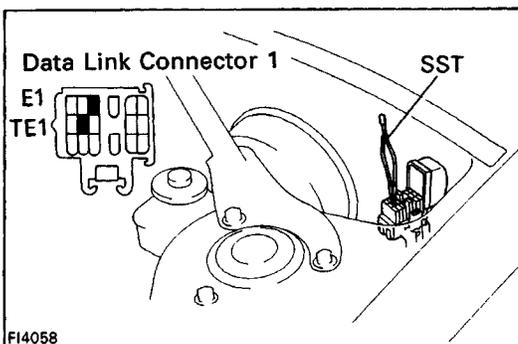


ON-VEHICLE INSPECTION

1. INSPECT IAC VALVE OPERATION

(a) Initial conditions:

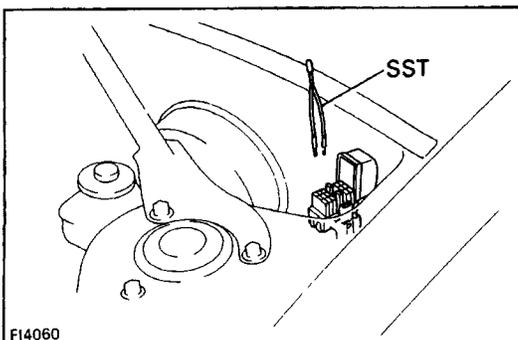
- Engine at normal operating temperature
- Idle speed set correctly
- Transmission in neutral position



(b) Using SST, connect terminals TE1 and E1 of the data link connector 1.

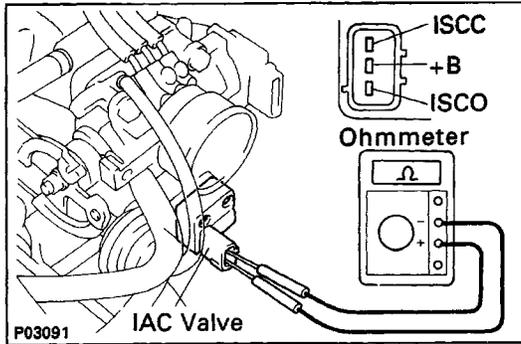
SST 09843-18020

(c) After engine rpm are kept at 900 – 1,300 rpm for 5 seconds, check that they return to idle speed. If the rpm operation is not as specified, check the IAC valve, wiring and ECM.



(d) Remove SST.

SST 09843-18020



2. INSPECT IAC VALVE RESISTANCE

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

Resistance: 19.3 – 22.3Ω

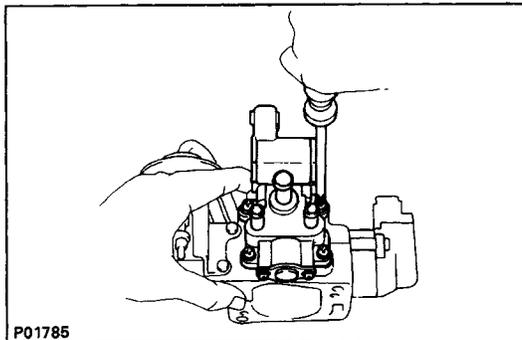
If resistance is not as specified, replace the IAC valve.

- (e) Reconnect the IAC valve connector.

REMOVAL OF IAC VALVE

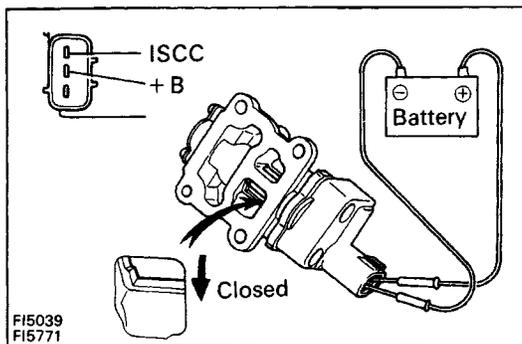
1. REMOVE THROTTLE BODY

(See steps 1 to 9 on pages [FI-201](#) and [202](#))



2. REMOVE IAC VALVE

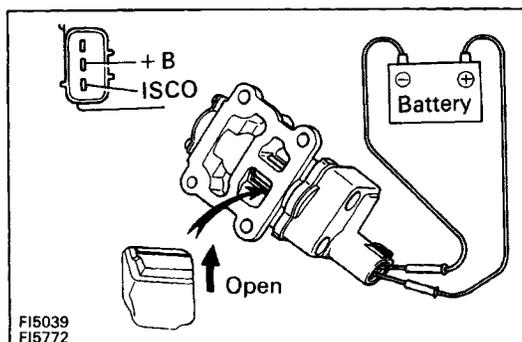
Remove the four screws, IAC valve and gasket.



INSPECTION OF IAC VALVE

INSPECT IAC VALVE OPERATION

- (a) Connect the positive (+) lead from the battery to terminal + B and negative (-) lead to terminal ISCC, and check that the valve is closed.

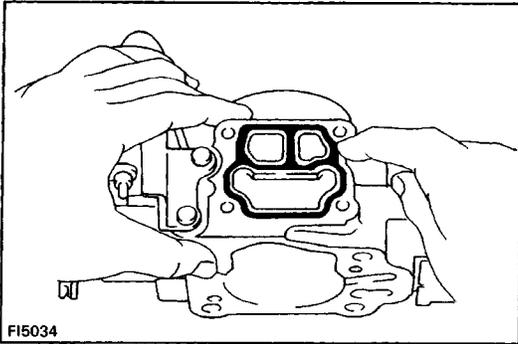


- (b) Connect the positive (+) lead from the battery to terminal + B and negative (-) lead to terminal ISCO, and check that the valve is open.

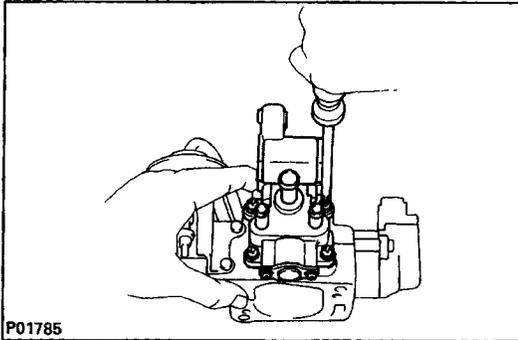
INSTALLATION OF IAC VALVE

9. INSTALL IAC VALVE

(a) Place a new gasket on the throttle body.



(b) Install the IAC valve with the four screws.



2. INSTALL THROTTLE BODY

(See steps 2 to 10 on pages [FI-204](#) and 205)