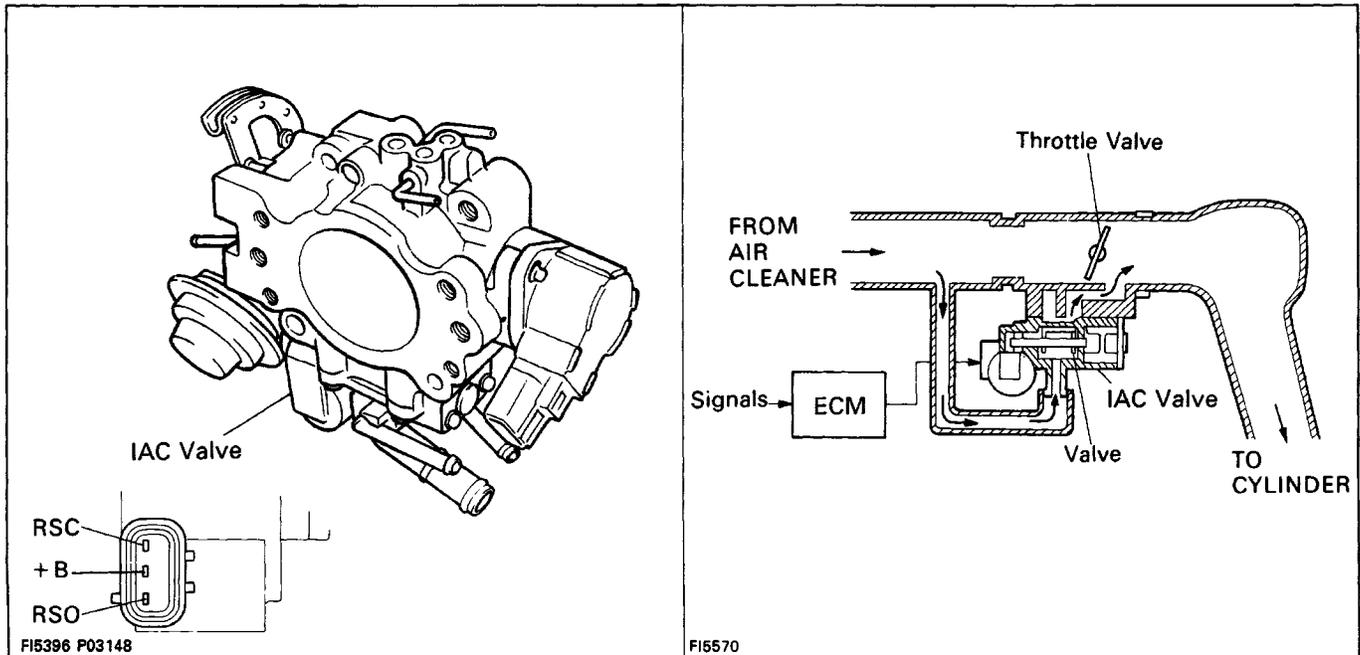


## Idle Air Control (IAC) Valve (3S-GTE)

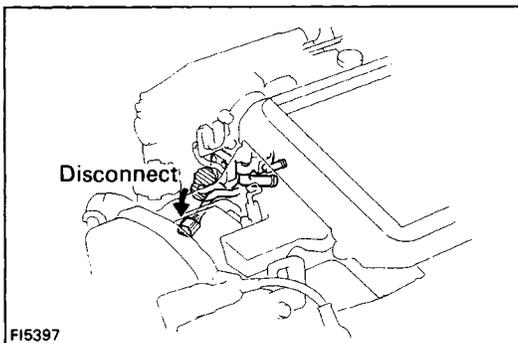


### ON-VEHICLE INSPECTION

#### 1. INSPECT IAC VALVE OPERATION

(a) Initial conditions:

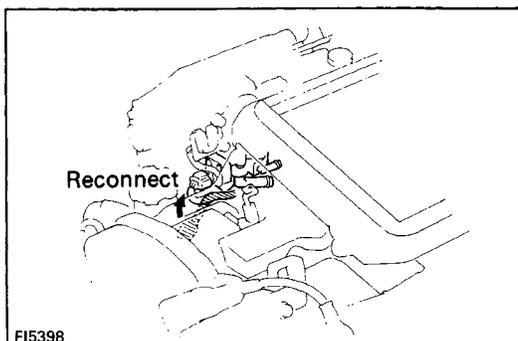
- Engine at normal operating temperature
- Idle speed set correctly



(b) Disconnect the IAC valve connector.

(c) Check the engine rpm.

Engine rpm: 1,000 rpm or more

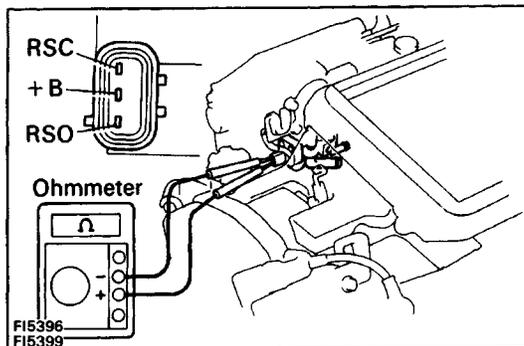


(d) Reconnect the IAC valve connector.

(e) Check that they return to the idle speed.

**Idle speed: 800 + 50 rpm**

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



## 2. INSPECT IAC VALVE RESISTANCE

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

**Resistance: 19.3 – 22.3 Ω**

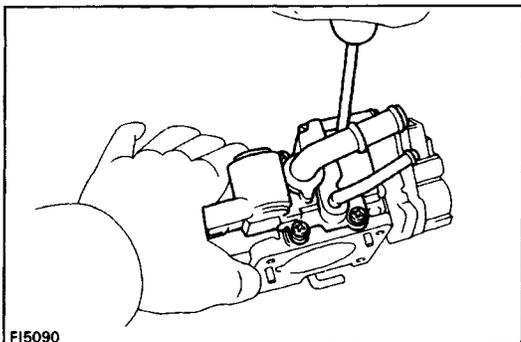
If resistance is not as specified, replace the IAC valve.

- (c) Reconnect the IAC valve connector.

## REMOVAL OF IAC VALVE

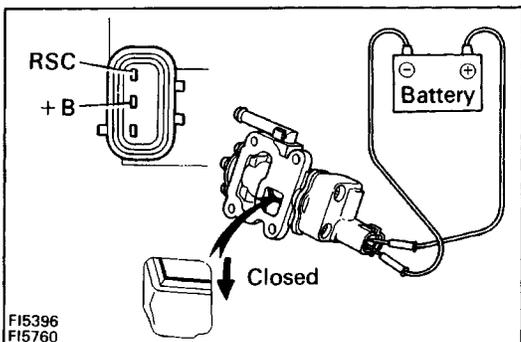
### 1. REMOVE THROTTLE BODY

(See steps 1 to 11 on pages [FI-194](#) and [195](#))



### 2. REMOVE IAC VALVE

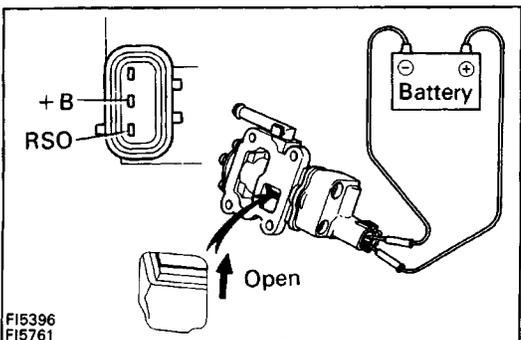
Remove the four screws, IAC valve and gasket.



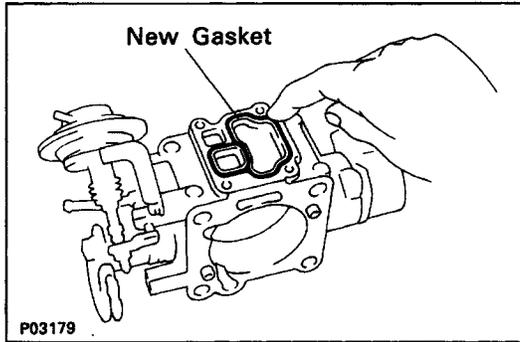
## INSPECTION OF IAC VALVE

### INSPECT IAC VALVE OPERATION

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



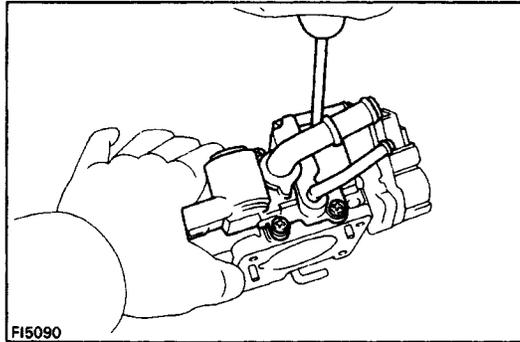
- (b) Connect the positive ( + ) lead from the battery to terminal + B and negative ( - ) lead to terminal RSO, and check that the valve is open.



## INSTALLATION OF IAC VALVE

### 1. 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 12 on pages [FI-197](#) and [198](#))