

REMOVAL

1. **DISCONNECT CABLE FROM NEGATIVE BATTERY TERMINAL**

CAUTION:

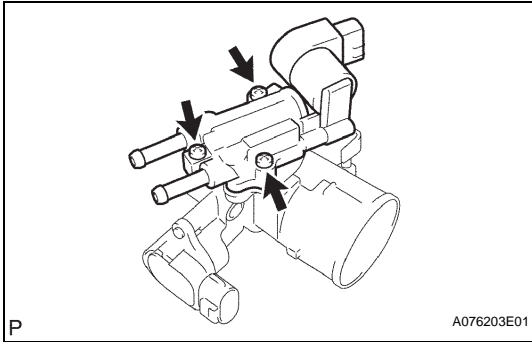
Wait at least 90 seconds after disconnecting the cable from the negative (-) battery terminal to prevent airbag and seat belt pretensioner activation.

2. **REMOVE THROTTLE BODY ASSEMBLY**

(a) Remove the throttle body (see page [ES-346](#)).

3. **REMOVE IDLE AIR CONTROL VALVE ASSEMBLY**

(a) Remove the 3 screws, valve and gasket.



INSPECTION

1. INSPECT IDLE AIR CONTROL VALVE ASSEMBLY

NOTICE:

- Since the IAC valve has an internal IC circuit which converts the ECM duty signal into the drive signal, it is impossible to check its resistor value and valve operation with the valve alone.
- Clear the DTC after inspection.

HINT:

DTC P0505 (see page [ES-234](#)) will be set when the IAC valve is stuck.

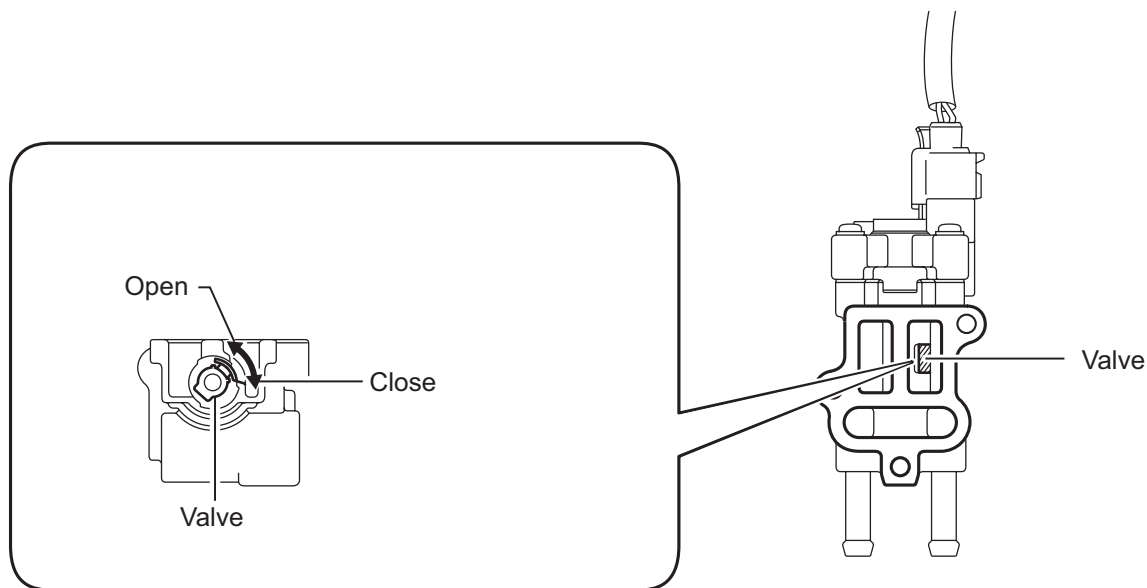
- Connect the IAC valve connector to the IAC valve.
- Inspect the valve movement when the ignition switch is turned ON.

Standard movement:

Half open → fully closed → fully open → half open

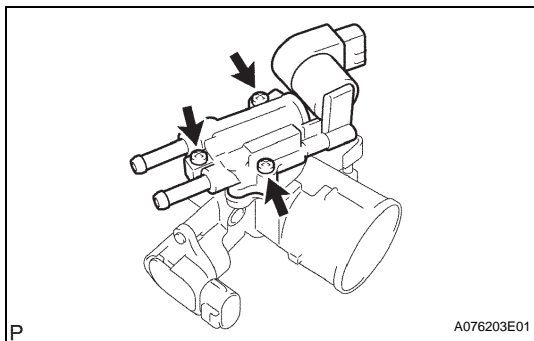
HINT:

The series of the valve movements mentioned above occur within 0.5 seconds.



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A076203E01

INSTALLATION

1. INSTALL IDLE AIR CONTROL VALVE ASSEMBLY

- Install a new gasket and the valve with the 3 screws.
Torque: 3.4 N*m (35 kgf*cm, 30 in.*lbf)

2. INSTALL THROTTLE BODY ASSEMBLY

- Install the throttle body (see page [ES-347](#)).

3. CONNECT CABLE TO NEGATIVE BATTERY TERMINAL