

3. INSPECTION THROTTLE BODY IDLE SPEED CONTROL VALVE ASSY

NOTICE:

- It is impossible to check the resistor value and the operation of ISCV by itself, because the ISCV has an IC circuit inside it, which transforms the duty signal from the ECM to the derive signal.
- After checking, erase the DTC.
- Clear the DTC after inspection.

HINT:

When the ISCV system has malfunctions except for its adherence, DTC P0505 is detected.

(a) Operation inspection.

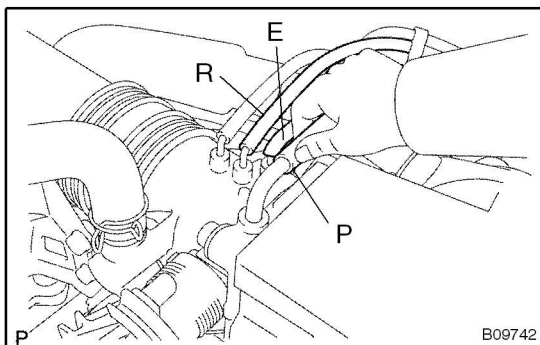
- (1) Connect the ISC connector to the ISC valve.
- (2) Check the ISC valve movement when the ignition switch is turned ON.

Movement:

Half open → fully close → fully open → half open

HINT:

ISC valve moves within 0.5 second.

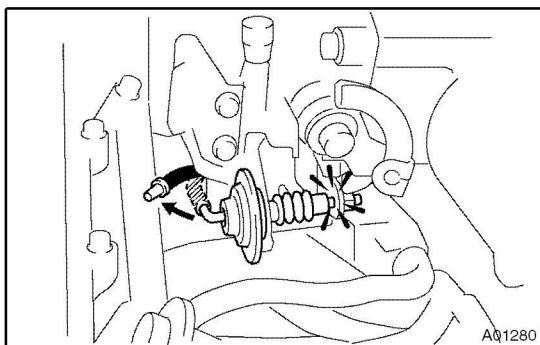


4. INSPECT THROTTLE BODY

(a) Check the vacuum at each port.

- (1) Start the engine .
- (2) Check the vacuum with your finger.

Port name	At idle	At 3,500 rpm
P	Vacuum	Vacuum
E	No vacuum	Vacuum
R	No vacuum	Vacuum



(b) Inspect throttle opener

- (1) Warm up engine.
Allow the engine to warm up to normal operating temperature.

(2) Check idle speed

Idle speed: 650 – 750 rpm

- (3) Disconnect the vacuum hose from the throttle opener, and plug the hose end.
- (4) Check the throttle opener setting speed.

Throttle opener setting speed: 1,200 – 1,500 rpm

If the throttle opener setting in not as specified, replace the throttle body.

- (5) Stop the engine.
- (6) Connect the vacuum hose to the throttle opener.
- (7) Start the engine, and check that the idle speed returns to the correct speed.
- (8) Disconnect hand-held tester.