

DTC	P2119	Throttle Actuator Control Throttle Body Range Performance
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CIRCUIT DESCRIPTION

The Electric Throttle Control System (ETCS) is composed of the throttle motor to operate the throttle valve, the electromagnetic clutch to connect the throttle motor with the throttle valve, the throttle position sensor to detect the opening angle of the throttle valve, the accelerator pedal position sensor to detect the accelerator pedal position, the ECM to control the ETCS and the one valve type throttle body.

The ECM controls the throttle motor to make the throttle valve opening angle properly in response driving condition.

The throttle position sensor which is mounted on the throttle body detects the opening angle of the throttle valve, and it provides feedback to the ECM to control the throttle motor.

If the ETCS has a malfunction, the ECM shuts down the power for the throttle motor and the magnetic clutch, and the throttle valve is fully closed by the return spring.

However, the opening angle of the throttle valve can be controlled by the accelerator pedal through the throttle cable.

DTC No.	DTC Detecting Condition	Trouble Area
P2119	Throttle opening angle continues to vary great from target throttle opening angle	<ul style="list-style-type: none"> • Electric throttle control system • ECM

WIRING DIAGRAM

Refer to DTC P2102 and P2103 on page [DI-403](#).

INSPECTION PROCEDURE

HINT:

Read freeze frame data using the hand-held tester or the OBD II scan tool, as freeze frame data records the engine conditions when a malfunction is detected. When troubleshooting, it is useful for determining whether the vehicle was running or stopped, the engine was warmed up or not, the air-fuel ratio was lean or rich, etc. at the time of the malfunction.

1	Are there any other codes (besides DTC P2119) being output?
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YES

Go to relevant DTC chart (See page [DI-231](#)).

NO

2	Check throttle body (See page SF-28)
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NG	Replace throttle body (See page SF-30).
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OK

3	Replace ECM and Clear DTC (Check if DTC output recur).
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PREPARATION:

- (a) Replace the ECM.
- (b) Clear the DTC (See page [DI-218](#)).
- (c) Start and warm up the engine.
- (d) Drive the engine at idle for 15 sec. or more.

CHECK:

Read the DTC using the hand-held tester or the OBD II scan tool.

OK:

Standard: No DTC output

OK	System is OK.
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NG

Replace throttle body (See page SF-30).
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