DTC	P2119	THROTTLE ACTUATOR CONTROL THROTTLE BODY RANGE/PERFORMANCE

CIRCUIT DESCRIPTION

The Electric Throttle Control System (ETCS) is composed of a throttle motor that operates the throttle valve, a throttle position sensor that detects the opening angle of the throttle valve, an accelerator pedal position sensor that detects the accelerator pedal position, and the ECM that controls the ETCS system.
The ECM operates the throttle motor to position the throttle valve for proper response to driver inputs. The throttle position sensor, mounted on the throttle body, provides this signal to the ECM so that the ECM can regulate the throttle motor.

DTC No.	DTC Detection Condition	Trouble Area
P2119	Throttle opening angle continues to vary greatly from its target angle	• Electric throttle control system • ECM

WIRING DIAGRAM

Refer to DTC P2102 on page 05–154.

INSPECTION PROCEDURE

HINT:
Read freeze frame data using the intelligent tester II. Freeze frame data records the engine condition when malfunction is detected. When troubleshooting, freeze frame data can help determine if the vehicle was running or stopped, if the engine was warmed up or not, if the air–fuel ratio was lean or rich, and other data from the time the malfunction occurred.

1	CHECK OTHER DTC OUTPUT (IN ADDITION TO DTC P2119)

(a) Connect the intelligent tester II to the DLC3.
(b) Turn the power switch ON (IG).
(c) Turn the intelligent tester II ON.
(d) On the intelligent tester II, select the item: Powertrain / Engine and ECT / DTC.
(e) Read DTCs.
Result:

Display (DTC Output)	Proceed to
P2119	A
P2119 and other DTCs	B

HINT:
If any other codes besides P2119 are output, perform troubleshooting for those DTCs first.

B	GO TO RELEVANT DTC CHART (See page 05–39)

A

2	CHECK IF DTC OUTPUT RECURS

(a) Clear the DTC (see page 05–25).
(b) Allow the engine to idle for 15 seconds.
(c) Securely apply the parking brake, and place the shift position in D.
(d) Depress the brake pedal securely and the accelerator pedal fully for 5 seconds.
(e) Read DTCs.

HINT:

Actual throttle position (TP) sensor voltage can be confirmed using the intelligent tester II [Data List/THROTTLE POS #1]

Standard: No DTC output.

OK ⇨ **SYSTEM OK**

NG

REPLACE THROTTLE W/MOTOR BODY ASSY (See page 10–15)