

P2119: Throttle Actuator Control Throttle Body Range / Performance

Wiring Diagram

Refer to "DTC P2101: Throttle Actuator Control Motor Circuit Range / Performance".

DTC Detecting Condition and Trouble Area

DTC detecting condition	Trouble area
Difference between the measured (actual) throttle valve opening angle and the target throttle valve opening angle which is calculated based on accelerator pedal opening angle and engine condition is more than specification for specified time. (1 driving detection logic)	<ul style="list-style-type: none">• Throttle actuator circuit• Electric throttle body assembly•ECM

DTC Confirmation Procedure

- 1) With ignition switch turned OFF, connect scan tool.
- 2) Turn ON ignition switch and clear DTC using scan tool.
- 3) Keep the accelerator pedal at idle position for 2 seconds.
- 4) Keep the accelerator pedal at fully depressed position for 2 seconds.
- 5) Repeat Step 3) and 4) for 3 times.
- 6) Check DTC.

DTC Troubleshooting

Step	Action	Yes	No
1	Was "Engine and Emission Control System Check" performed?	Go to Step 2.	Go to "Engine and Emission Control System Check".
2	<p>Electric throttle body assembly system check</p> <p>1) Connect scan tool to DLC with ignition switch turned OFF.</p> <p>2) Turn ON ignition switch, check each voltage of "TP Sensor 1 Volt" and "TP Sensor 2 Volt" displayed on scan tool when accelerator pedal is idle position and fully depressed. Is displayed each TP sensor value as described voltage in "Scan Tool Data"?</p>	Intermittent trouble. Check for intermittent referring to "Intermittent and Poor Connection Inspection in Section 00".	Go to Step 3.
3	<p>Throttle actuator circuit check</p> <p>1) Disconnect connector from electric throttle body assembly with ignition switch turned OFF.</p> <p>2) Check for proper connection to electric throttle body assembly at "BLU" and "YEL" wire terminals.</p> <p>3) Disconnect connectors from ECM.</p> <p>4) Check for proper connection to ECM at</p> <p>5) Measure resistance at following connector terminals.</p> <ul style="list-style-type: none"> • Between "BLU" wire terminal of electric throttle body assembly connector and "C01-45" terminal of ECM connector • Between "YEL" wire terminal of electric throttle body assembly connector and "C01-44" terminal of ECM connector <p>Is each resistance below 5 Ω?</p>	Go to Step 4.	"BLU" wire and/or "YEL" wire is open or high resistance.

Step	Action	Yes	No
4	Electric throttle body assembly check 1) Check electric throttle body assembly referring to "Electric Throttle Body Assembly and Its Circuit Check" under "Electric Throttle Body Assembly On-Vehicle Inspection in Section 1C". Is check result satisfactory?	Substitute a known-good ECM and recheck.	Replace electric throttle body assembly.

LAUNCH