

P2111: Throttle Actuator Control System - Stuck Open

Wiring Diagram

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

DTC Detecting Condition and Trouble Area

DTC detecting condition	Trouble area
Throttle position does not change by specified value during diagnosing throttle valve at ignition switch turned OFF. (1 driving detection logic)	<ul style="list-style-type: none"> • 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) Ignition switch turned OFF for 20 sec. or more.
- 4) Turn ON ignition switch and 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	Throttle valve visual check 1) Check that there isn't any foreign matter caught between throttle valve and throttle body housing referring to "Throttle Valve Visual Check" under "Electric Throttle Body Assembly On-Vehicle Inspection in Section 1C". Is it in good condition?	Go to Step 3.	Take it out after removing throttle body and clean inside of throttle body thoroughly.

Step	Action	Yes	No
3	<p>Throttle valve operation check</p> <p>1) Check operation of throttle valve referring to "Throttle Valve Operation Check" under "Electric Throttle Body Assembly On-Vehicle Inspection in Section 1C".</p> <p>Is check result satisfactory?</p>	Go to Step 4.	Replace electric throttle body assembly.
4	<p>Throttle actuator operation check</p> <p>1) Check operation of throttle actuator referring to "Throttle Actuator Operation Check" under "Electric Throttle Body Assembly On-Vehicle Inspection in Section 1C".</p> <p>Is check result satisfactory?</p>	Go to Step 5.	Replace electric throttle body assembly.
5	<p>Throttle position sensor performance check</p> <p>1) Check performance of throttle position sensor referring to "Throttle Position Sensor Performance Check" under "Electric Throttle Body Assembly On-Vehicle Inspection in Section 1C".</p> <p>Is check result satisfactory?</p>	Substitute a known-good ECM and recheck.	Replace electric throttle body assembly.