

B1546: AC Refrigerant Pressure Malfunction

DTC Detecting Condition and Trouble Area

DTC Detecting Condition	Trouble Area
Outside temperature is more than specified value. However, refrigerant pressure is less than specified value.	<ul style="list-style-type: none">• Refrigerant pressure sensor circuit• Refrigerant pressure sensor• Outside air temperature sensor circuit• Outside air temperature sensor• HVAC control module• ECM• BCM

DTC Confirmation Procedure

- 1) Connect scan tool to DLC with ignition switch turned OFF.
- 2) Turn ON ignition switch and clear DTC using scan tool.
- 3) Start engine and warm up to normal operating temperature.
- 4) Start A/C system for 1 min. or more.
- 5) Check DTC.

DTC Troubleshooting

Step	Action	Yes	No
1	<p>DTC check</p> <p>1) Connect scan tool to DLC with ignition switch turned OFF.</p> <p>2) Turn ON ignition switch and clear DTC.</p> <p>3) Ignition switch turned OFF position.</p> <p>4) Turn ON ignition switch and check DTC.</p> <p>Is there DTC B1546?</p>	Go to Step 2.	Confirm that vehicle A/C system condition referring "A/C System Performance Inspection: ", and recheck DTC.
2	<p>Refrigerant pressure check</p> <p>1) Connect scan tool to DLC with ignition switch OFF.</p> <p>2) Ignition switch ON turned ON position.</p> <p>3) Check refrigerant pressure displayed on scan tool.</p> <p>Is it 340 kPa or more?</p>	Go to Step 3.	Charge refrigerant and Confirm that vehicle A/C system condition referring to "A/C System Performance Inspection: ". And then recheck DTC.
3	<p>A/C system check</p> <p>1) Confirm that vehicle A/C system condition referring to "A/C System Performance Inspection: ".</p> <p>Is A/C system in good condition?</p>	Go to Step 4.	Repair and/or replace.
4	<p>Refrigerant pressure sensor check</p> <p>1) Check refrigerant pressure sensor referring to "A/C Refrigerant Pressure Sensor and Its Circuit Inspection: ".</p> <p>Are refrigerant pressure sensor and/or its circuit in good condition?</p>	Go to Step 5.	Repair circuit and/or replace refrigerant pressure sensor.

Step	Action	Yes	No
5	Outside temperature sensor check 1) Check outside temperature sensor referring to "Outside Air Temperature Sensor Inspection (If Equipped): in Section 9C". Is outside temperature sensor in good condition?	Replace HVAC control module.	Replace outside temperature sensor.

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