

# B1546: A/C Refrigerant Pressure Malfunction

## DTC Detecting Condition and Trouble Area

DTC detecting condition	Trouble area
<ul style="list-style-type: none"> <li>A/C refrigerant pressure sensor signal voltage is lower than specified value even though outside air temperature is higher than specified value for specified time continuously. Insufficient refrigerant in A/C system</li> <li></li> </ul>	<ul style="list-style-type: none"> <li>Insufficient of refrigerant</li> <li>A/C refrigerant pressure sensor</li> <li>Outside air temperature sensor</li> <li>HVAC control module</li> </ul>

## DTC Troubleshooting

Step	Action	Yes	No
1	Was "Air Conditioning System Check" performed?	Go to Step 2.	Go to "Air Conditioning System Check: Automatic Type".
2	<b>DTC check</b>  1) Connect scan tool to DLC with ignition switch turned OFF. 2) Turn ignition switch to ON position and check DTC in BCM. Is DTC B1141 or B1142 (BCM) detected?	Go to applicable DTC diag. flow.	Go to Step 3.
3	<b>DTC check</b>  Check DTC in ECM. Is DTC P0532 or P0533 detected?	Go to applicable DTC diag. flow.	Go to Step 4.

Step	Action	Yes	No
4	<p data-bbox="336 241 775 353"><b>A/C refrigerant pressure and outside air temperature data check</b></p> <p data-bbox="336 409 879 766">1) Start engine and select "DATA LIST" mode on scan tool. 2) Check "Refrigerant Pressure" and "Outside Air Temp" displayed on scan tool. Are values of A/C refrigerant pressure sensor and outside air temperature within specified ranges indicated in "Scan Tool Data"?</p>	Substitute a known-good HVAC control module and recheck.	Check the amount of refrigerant and system for leaks.

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