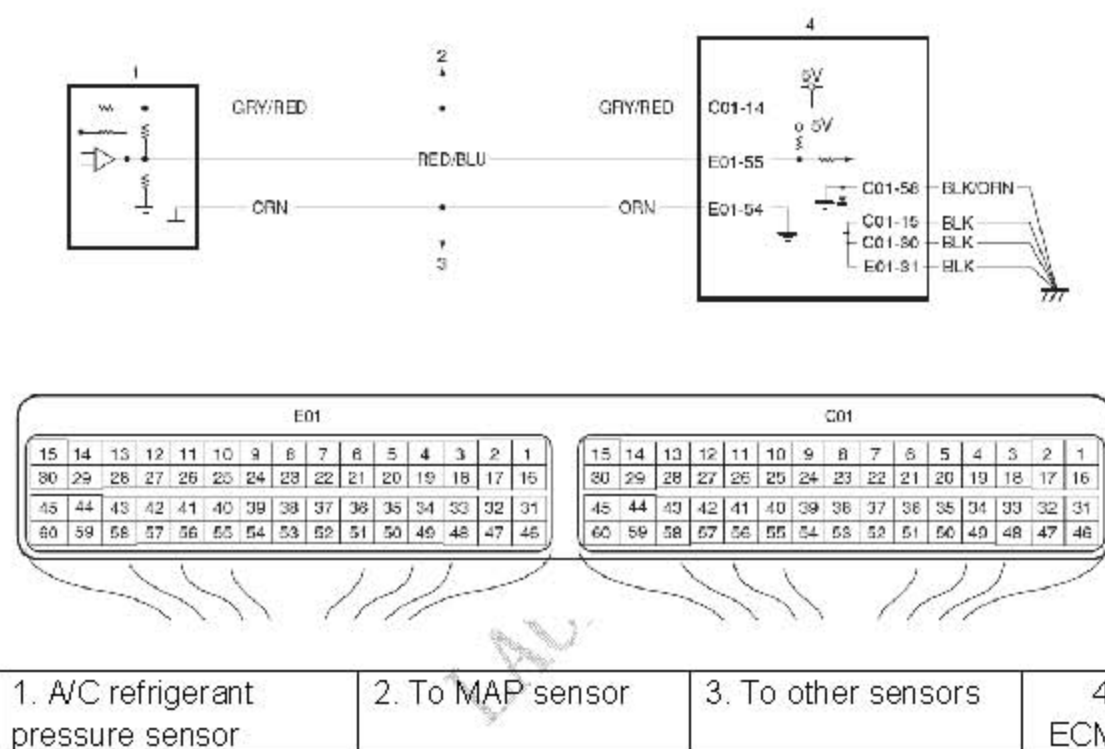


# P0532: A/C Refrigerant Pressure Sensor Circuit Low

## Wiring Diagram



## DTC Detecting Condition and Trouble Area

DTC detecting condition	Trouble area
A/C refrigerant pressure sensor signal voltage is less than specified value. (1 driving detection logic but MIL does not light up)	<ul style="list-style-type: none"> <li>• A/C refrigerant pressure sensor circuit</li> <li>• A/C refrigerant pressure sensor</li> <li>• MAP sensor</li> <li>• ECM</li> </ul>

## 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 engine to normal operating temperature.
- 4) Run engine at idle and turn both A/C switch and heater blower switch ON (turn ON air conditioning) for 3 min. or more.

5) Check DTC and pending DTC.

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	A/C refrigerant pressure sensor power supply circuit check 1) Disconnect connector from A/C refrigerant pressure sensor with ignition switch turned OFF. 2) Check for proper connection of A/C refrigerant pressure sensor at "GRY/RED", "RED/BLU" and "ORN" wire terminals. 3) Turn ON ignition switch, measure voltage between engine ground and "GRY/RED" wire terminal of A/C refrigerant pressure sensor connector. Is voltage 4 – 6 V?	Go to Step 5.	Go to Step 3.
3	A/C refrigerant pressure sensor power supply circuit check 1) Disconnect connectors from MAP sensor with ignition switch turned OFF. 2) Turn ON ignition switch, measure voltage between engine ground and "GRY/RED" wire terminal of A/C refrigerant pressure sensor connector. Is voltage 4 – 6 V?	Faulty MAP sensor.	Go to Step 4.

Step	Action	Yes	No
4	A/C refrigerant pressure sensor power supply circuit check  1) Disconnect connectors from ECM with ignition switch turned OFF. 2) Measure resistance between engine ground and "C01-14" terminal of ECM connector. Is resistance infinity?	Go to Step 6.	"GRY/RED" wire is shorted to ground circuit.
5	A/C refrigerant pressure sensor signal circuit check 1) Connect connectors to ECM. 2) Turn ON ignition switch, measure voltage between engine ground and "RED/BLU" wire terminal of A/C refrigerant pressure sensor connector. Is voltage 4 – 6 V?	Go to Step 7.	Go to Step 6.
6	A/C refrigerant pressure sensor signal circuit check 1) Disconnect connectors from ECM with ignition switch turned OFF. 2) Measure resistance between engine ground and "E01-55" terminal of ECM connector. Is resistance infinity?	Go to Step 7.	"RED/BLU" wire is shorted to ground circuit.
7	A/C refrigerant pressure sensor check  1) Check A/C refrigerant pressure sensor referring to "A/C Refrigerant Pressure Sensor and Its Circuit Inspection: Manual Type in Section 7B" or "A/C Refrigerant Pressure Sensor and Its Circuit Inspection: Automatic Type in Section 7B". Is it in good condition?	Substitute a known-good ECM and recheck.	Faulty A/C refrigerant pressure sensor.