**Climate Control System Symptom Troubleshooting Index**

| Symptom | Diagnostic Procedure | Also Check for |
|---|---|---|
| The blower and the heater controls and the A/C system do not work | Probable cause: Climate control unit malfunction<br><br>Do the climate control power and ground circuit troubleshooting | • Climate control DTCs<br>• Blown fuse No. B22 (7.5 A) in the under-dash fuse/relay box<br>• Poor ground at G503<br>• Poor or loose connections at the terminals |
| The A/C compressor clutch and the A/C condenser/radiator fans are inoperative, but the blower and heater controls work | Probable cause: A/C pressure sensor circuit malfunction or evaporator temperature sensor circuit malfunction<br><br>Troubleshoot the A/C pressure sensor circuit:<br>• A/C pressure sensor circuit low voltage<br>• A/C pressure sensor circuit high voltage<br><br>NOTE: The A/C pressure sensor circuit can malfunction without setting a DTC | • Climate control DTCs<br>• PGM-FI DTCs<br>• A/C signal circuit troubleshooting<br>• Abnormal A/C system pressures<br>• Faulty evaporator temperature sensor<br>• Poor or loose connections at the terminals |
| The A/C compressor clutch does not engage, but the A/C condenser/radiator fans operate, and the blower and heater controls work | Probable cause: No power to the A/C compressor clutch<br><br>Do the A/C compressor clutch circuit troubleshooting | • Climate control DTCs<br>• Blown fuse No. A21 (7.5 A) in the under-hood fuse/relay box<br>• Poor or loose connections at the terminals |
| The A/C condenser/radiator fans do not run at low speed with the A/C on, but the blower and heater controls work normally | Probable cause: A/C condenser/radiator fan low speed circuit malfunction<br><br>Do the radiator and A/C condenser fan low speed circuit troubleshooting | • Climate control DTCs<br>• PGM-FI DTCs<br>• Blown fuse No. A2-6 (30 A) in the under-hood fuse/relay box<br>• Poor ground at G301<br>• Poor or loose connections at the terminals |
| The A/C condenser/radiator fans do not run at high speed, but do run at low speed with the A/C on | Probable cause: Malfunction in the fan(s) high speed circuit<br><br>Do the following troubleshooting as needed:<br>• A/C condenser fan high speed circuit troubleshooting<br>• Radiator fan high speed circuit troubleshooting | • Climate control DTCs<br>• PGM-FI DTCs<br>• Blown fuse No. A2-8 (30 A) or No. A11 (7.5 A) in the under-hood fuse/relay box<br>• Poor ground at G302<br>• Poor or loose connections at the terminals |
| The climate control display is inoperative | Probable cause: Communication problem between the climate control unit and the HVAC display unit (without navigation) or the audio-navigation switch panel (with navigation)<br>• Do the HVAC display communication line circuit troubleshooting (without navigation)<br>• Do the audio-HVAC subdisplay communication line circuit troubleshooting (with navigation) | • Blown fuse No. B22 (7.5 A) in the under-dash fuse/relay box<br>• Poor ground at G506 (without navigation)<br>• Faulty HVAC display unit (without navigation)<br>• Faulty audio-navigation switch panel (with navigation)<br>• Poor or loose connections at the terminals |

| Symptom | Diagnostic Procedure | Also Check for |
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| Blower fan runs slower than expected in cold weather (when in AUTO mode)<br>NOTE: It is normal for the blower fan to run slowly until the coolant temperature rises when in AUTO mode | Probable cause: Engine coolant temperature (ECT) circuit malfunction<br><br>Troubleshooting the ECT sensor circuit:<br>● ECT sensor 2 circuit low voltage<br>● ECT sensor 2 circuit high voltage | ● Climate control DTCs<br>● PGM-FI DTCs<br>● Blower motor operation |
| The A/C compressor clutch cycles rapidly on and off | Probable cause:<br>● A/C system is overcharged (Excessive pressure on high side of system causing pressure sensor to turn A/C compressor off)<br>● Radiator and/or A/C condenser fan inoperative<br>● Low idle speed | ● Climate control DTCs<br>● Faulty A/C pressure sensor |
| Driver's and passenger's side vent temperatures vary by more than 20°F (11 °C) | Probable causes: The recirculation control door or the air mix doors are malfunctioning<br><br>Do the following troubleshooting:<br>● Recirculation control motor test<br>● Driver's air mix control motor test<br>● Passenger's air mix control motor test | ● Climate control DTCs<br>● Poor or loose connections at the terminals |
| HDS does not communicate with the climate control unit or the vehicle | Troubleshoot the DLC circuit | |
| Insufficient heating | 1. Check the coolant level<br>2. Check the radiator cap<br>3. Check the engine coolant temperature (ECT) during normal operation with the HDS<br>4. Check the heater core inlet hose temperature:<br>● If it is COLD, check for restrictions in the hose, a damaged or leaking thermostat, or a damaged or leaking water pump<br>● If it is HOT, check for restrictions in the heater core. Back flush or replace the heater core<br>5. Do the driver's air mix control motor test and the passenger's air mix control motor test<br>6. Check the blower motor unit for obstructions<br>7. Check for air leaks around the ducts and vents | ● Climate control DTCs<br>● Damaged cylinder head gasket |