



Service Bulletin

TECHNICAL

Subject: Intermittent or No A/C, or A/C Blows Warm

Models: 2003 Cadillac Escalade
2002-2003 Chevrolet TrailBlazer
2003 Chevrolet Avalanche, Silverado, Suburban, Tahoe
2002-2003 GMC Envoy
2003 GMC Sierra, Yukon
2002-2003 Oldsmobile Bravada
2003 HUMMER H2

Condition

Some customers may comment that the A/C system is intermittent or blows warm air.

Description

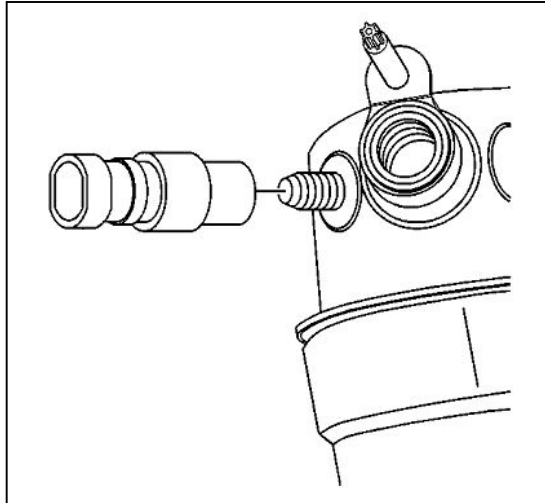
An intermittent inoperative (open) A/C low pressure cycling switch may be the cause. This is an intermittent condition and temperatures may play a critical role if the vehicle is in the failed mode or operating as designed.

Procedure

Follow the diagnosis and service procedure below to correct this condition.

1. Park the vehicle inside or in the shade.
2. Open the windows in order to ventilate the interior of the vehicle.
3. If the A/C system was operating, allow the A/C system to equalize.
4. Turn OFF the ignition.
5. Open the hood and install fender covers.
6. Install a refrigerant recovery/charge machine.
7. Record the ambient temperature.
8. Record readings of the low and high side STABILIZED pressures. The pressures should be within the specifications listed below.
 - Above 16°C (60°F): 345 kPa (50 psi)
 - Above 24°C (75°F): 483 kPa (70 psi)
 - Above 33°C (90°F): 690 kPa (100 psi)
 - If the static pressures are within specification, continue with Step 12.
 - If the static pressures are NOT within specifications, perform a leak test diagnostics per the vehicle's service manual.
9. Apply the parking brake.
10. Place the transaxle/transmission in PARK.
11. Start the engine.
12. Turn on the A/C system.
13. Inspect the A/C compressor to see if it is operating properly.

14. If the compressor is not operating as designed, tap on the low pressure cycling switch with a small hand tool. The compressor should start operating correctly.



General Motors

Parts Information

Kit Part Number	Description
89040362	Pressure Cycling Switch and O-Ring

15. If the compressor does not operate correctly after tapping on the low pressure cycling switch disconnect the switch and jumper the lower pressure cycling switch connector with a fused jumper. If the compressor still does not operate properly, refer to compressor diagnostic in the vehicle's service manual.
16. **Important:** Do not use A/C low pressure cycling switch kit, P/N 15035084 on the vehicles listed above.
17. If the compressor does operate correctly after tapping on the switch or jumping the low pressure cycling switch connector, replace the low pressure cycling switch with switch kit P/N 89040362. The kit contains an O-Ring seal and low pressure switch, stamped with the number 52404535.
18. Perform the Air Conditioning (A/C) System Performance Test as specified in the vehicle's service manual.
19. Disconnect the refrigerant recovery/charge machine.