



## Preliminary Information

### PIT6179 Improper Cabin A/C Performance or Heating, Possible DTC P1C01 and/or B3A66

#### Models

Brand:	Model:	Model Years:	VIN:		Engine:	Transmissions:
			from	to		
GMC	HUMMER EV	2022 - 2024	All	All	All	All
GMC	HUMMER SUV EV	2024	All	All	All	All
Chevrolet	Silverado EV WT	2024	All	All	All	All
Chevrolet	Silverado EV RST	2024	All	All	All	All

Involved Region or Country	North America
Condition	<p>Customers may have an issue regarding improper cabin heating and/or improper A/C performance.</p> <p>This could be accompanied with a MIL ON and "Service High Voltage System" message on the IPC.</p> <p>DTC's that could be present are P1C01 and/or B3A66.</p> <p>Additionally, the A/C High Side Pressure will quickly raise to 450 PSI and higher when the A/C compressor is commanded on.</p>
Cause	The A/C condenser check-valve or evaporator check-valve could be installed incorrectly, blocking refrigerant flow.

#### Correction:

Inspect A/C check valve orientation, arrow indicates direction of refrigerant flow.

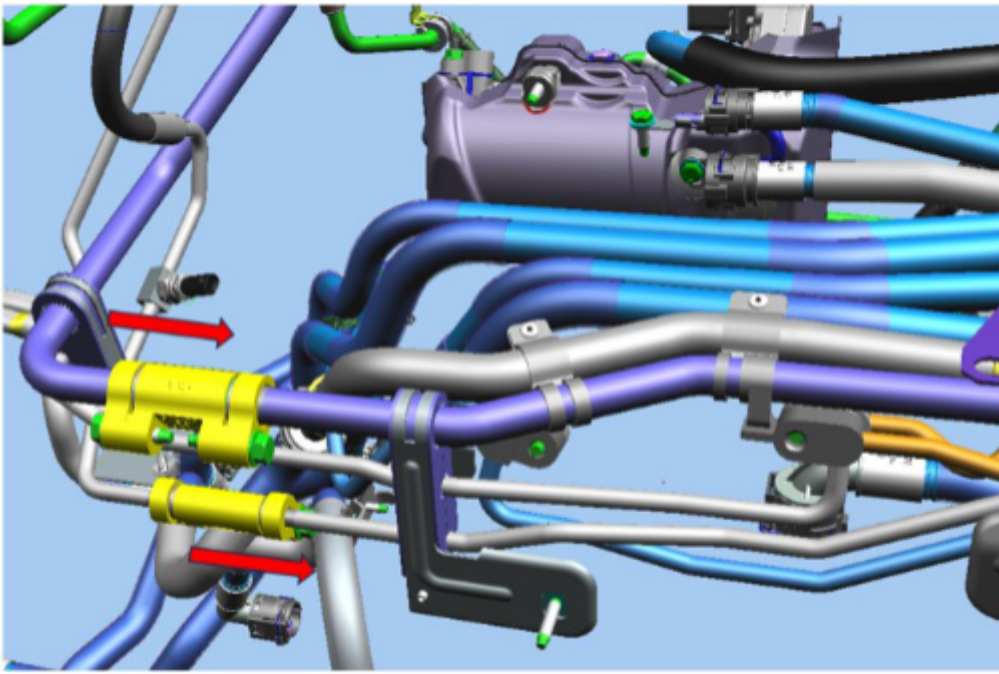
If incorrect, remove the check valve and reinstall in the correct orientation.

Refer to the appropriate service procedure in SI for proper valve direction.

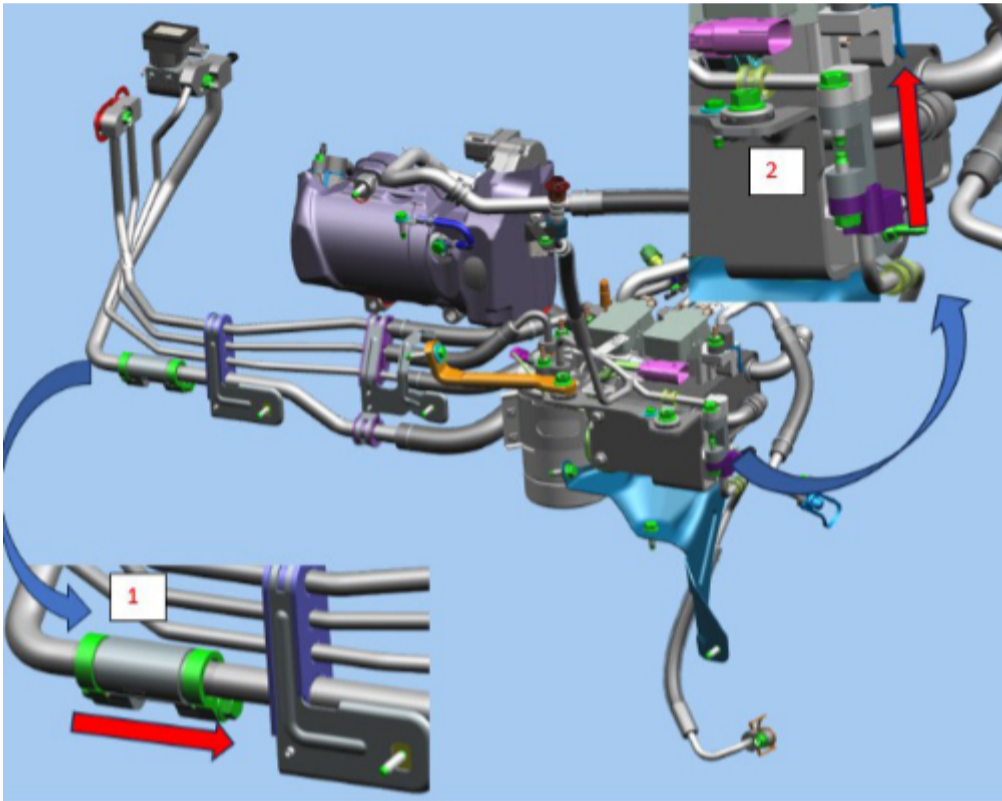
If valves are installed in correct orientation continue with normal SI diagnostics for codes set.

**Note:** Always replace one-time use A/C seals as called out in SI

HUMMER EV - Both valves point toward the front of the vehicle.



SILVERADO EV: Rearward check valve (1) points forward. Forward check valve (2) points upward.



### Version History

Version	<b>1</b>
Modified	05/28/2024 - Created on.



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