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Preliminary Information

PIC6585 Diagnostic Tip for A/C Leaks- Includes Evaporator Core Leak Testing

Models

Brand:	Model:	Model Years:	VIN: from	to	Engine:	Transmissions:
Buick	Envista	2024 - 2025	All	All	All	All
Chevrolet	Trax	2024 - 2025	All	All	All	All

Involved Region or Country	**North America**
Condition	**Some customers may comment that their A/C is inoperative or blows warm air.** **Technicians may find the A/C system empty.**
Cause	**Evaporator core leak**

Correction:

When leak testing an evaporator core there are 2 preferred methods, the use of dye or the electronic leak detection tool (GE 50078).

Using the dye method, the technician should focus on locating evidence of dye at the HVAC drain.

If the system is empty and dye is not present at the drain, this will require recharging the system and adding dye.

The tech will then need to operate the A/C system for a day or 50 miles to allow the dye to circulate within the system.

Recheck for evidence of dye at the HVAC drain.

Note: On low mileage vehicles, 1,000 miles or less, the technician will want to add dye to the system due to the dye tablet that is placed in the condenser may not have had a chance to dissolve yet.

Using the electronic leak detection tool, the technician will need to place the leak detection tool inside the HVAC case.

This can be done thru the drain outlet or floor air distribution duct.

Note: All other outlets will need to be blocked off.

To begin this test, the system must have a full charge.

- **Operate the A/C system for 20-30 minutes with blower speed set to low and HVAC mode set to floor.**
- **Turn the vehicle off and let the it set for 1 hour.**
- **With the leak detection tool in the HVAC drain or floor duct, all other outlets blocked off, cycle ignition on.**
- **If the leak detection tool sounds off within the first few seconds on blower operation, a leak exists inside the HVAC case assembly.**

For more leak testing information, please review the leak testing document found in Service Information.

HVAC> Heating, Ventilation, and Air Conditioning> Diagnostic Information and Procedures> Leak Testing

Version History

Version	**1**
Modified	**11/01/2024 - Created.**