

Coolant Leak

Symptoms: Coolant Leak

General Information:

The Fuel Delivery System (FDS) regulator utilizes engine coolant to prevent freeze up of the regulator during operation of the vehicle. The regulator utilized by the CCFT FDS design does not allow coolant to mix with the natural gas unless the body of the regulator is actually cracked. The coolant has a channel that goes around the natural gas channels, but they are not connected. There are not any seals between the coolant and the natural gas that are seen in other types of regulators. Any coolant leak in the FDS system will be an external leak and should be visible in either the coolant hoses to and from the engine, or the hoses or tubes inside the FDS.

Condition

- Vehicle operating, running at idle, or shut down.

Action

- If operating or running at idle follow OEM procedure for vehicle shut down.
- If vehicle is not running do not start
- Follow engine manufacturers or OEM's procedures on pressure testing coolant system.
- Note location of coolant leak on the ground.
- Fuel System leak's location can be in the coolant hoses from the engine to the FDS, or inside the FDS covers.
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Specification

- Check Fuel Delivery System coolant plumbing for leaks proceed to Linked Solutions Section.

Linked Solutions

- [Fuel Delivery Cooling System \(042-027\)](#)

Repair

- Replace or repair components that were found to be out of specification.

Validation

- Fill engine coolant system.
- Run engine up to operating temperature, check for leaks