



Countries: CANADA, UNITED STATES **Document ID:** IK0700102
Availability: ISIS, IsSIR **Revision:** 0
Major System: EXHAUST **Created:** 10/4/2017
Current Language: English **Last Modified:** 10/4/2017
Other Languages: NONE **Author:** Greg Scheff
Viewed: 108

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Coding Information

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Title: DEF Coolant Line Leak Rear of Engine**Applies To:** LT Chassis with A26 Engines

CHANGE LOG

Please refer to the change log text box below for recent changes to this article:

10/04/2017 - Initial Article Release

DESCRIPTION

This document will guide the user through the proper connection of the DEF coolant line to the engine. This coolant line attaches to the rear coolant crossover manifold on the A26 and may not be properly locked, causing a loose connection.



Figure #1: DEF Line at Rear of Engine

SYMPTOM(s)

An external coolant leak may be observed at the rear of the engine.

Possible Diagnostic Trouble Code(s)

DTC/Light	Description
SPN 111 FMI 1	Low Coolant Level

SERVICE PARTS INFORMATION

N/A

REPAIR STEP(s)

WARNING! To prevent property damage, personal injury, and / or death, park vehicle on a hard, flat surface, turn the engine off, set the parking brake, and install wheel chocks to prevent the vehicle from moving in either direction.

WARNING! To prevent property damage, personal injury, and / or death, if the vehicle must be raised, do not work under the vehicle supported only by jacks. Jacks can slip or fall over.

WARNING! To prevent personal injury and / or death, always wear safe eye protection when performing vehicle maintenance.

WARNING! To prevent property damage, personal injury, and / or death, keep flames or sparks away from vehicle and do not smoke while servicing the vehicle's batteries. Batteries expel explosive gases.

WARNING! To prevent property damage, personal injury, and / or death, remove the ground cable from the negative terminal of the battery box before disconnecting any electrical components. Always connect the ground cable last.

1. Bring vehicle into the shop and park on a flat surface.
2. Shift transmission into park or neutral, set parking brake, and install wheel chocks.
3. Open the hood, and inspect for the source of the coolant leak.
4. If the coolant leak appears to be coming from the rear of the engine, removal of the engine cover assembly may be required to gain access.
5. Inspect the DEF coolant line connection at the rear of the engine (Figure 1).
6. Inspect the green locking retainer to see if it is properly locked and in position (Figure 2 and 3).

7. If the line is loose or disconnected, properly install the line back on the fitting (Figure 3), and position the locking retainer as shown.
8. Verify the line is secure, and the locking retainer is fully seated in place.



Figure #2: Improper positioning of the coolant line locking retainer. Retainer must NOT be facing the engine.



Figure #3: Proper orientation of the locking retainer facing away from the engine.

9. Fill cooling system and inspect for leaks.
10. Reassemble interior if disassembled in step 4.

Warranty Information:

Group:	18150 - DEF Lines/Hoses
Noun:	353 - Fitting, Hose

Warranty Claim Coding:

Refer to the [Warranty Coding Manual](#) for Group and Noun Codes.

Refer to the [SRT Manual](#) for Repair Times

OTHER RESOURCES

[Master Service Information Site](#)

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