

Heater Return Pipe

TSB-83-164-FTL

Creation Date: 2025-07-22

Engine or Vehicle Affected:

► New Cascadia

Warranty applies to this described condition. See the warranty information at the end of this bulletin.

Described Condition

The field received complaints about obvious coolant leaks on the heater return pipe from the weld-on bracket that attaches to the engine bracket. This condition is observed most often on vehicles equipped with DD13 engines. This service bulletin is applicable when there is visible coolant leakage from the tubes and engine side.

Parts Table

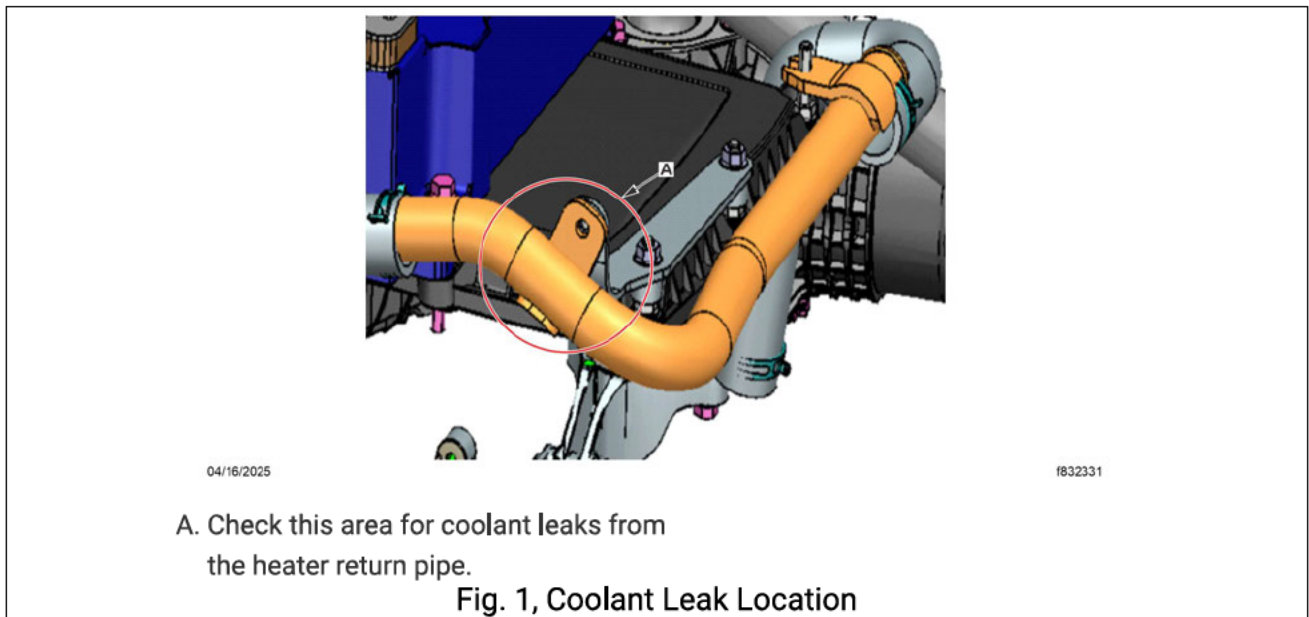
Table 1, Parts Table

Part Number	Part Description	Quantity
A05-35833-001	Assy-Heater Return DD13	1
UMP S464G20	CLAMP-HOSE,SGL,CUSH,1.250 DIA	1

Table 1, Parts Table

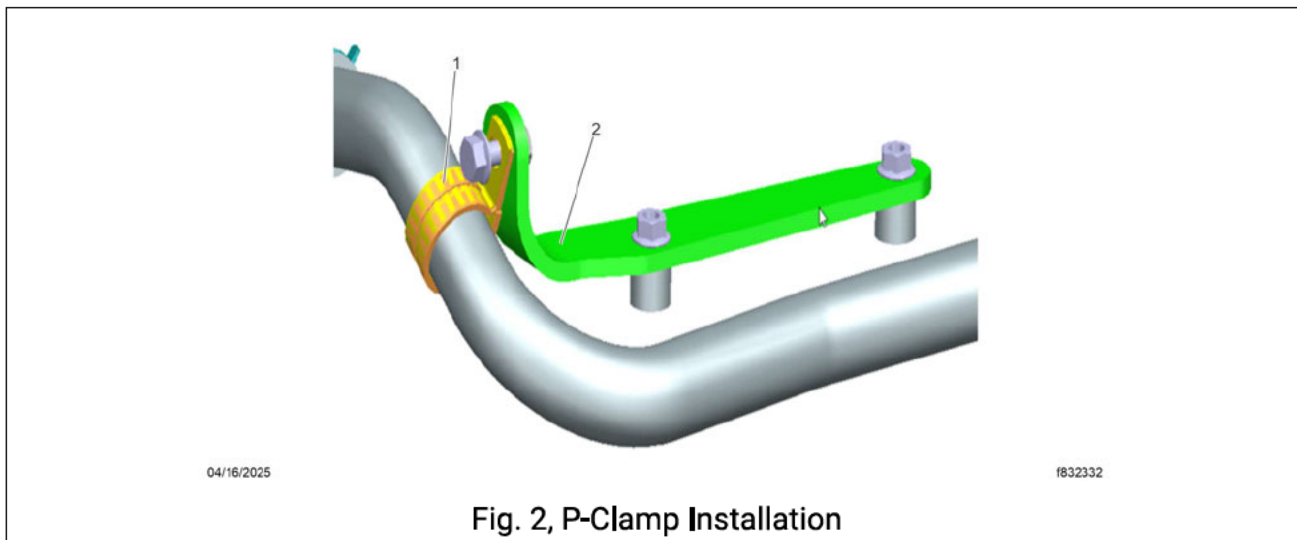
Inspection and Replacement Procedure

1. Inspect the front right-hand side of the DD13 engine heater return pipe for coolant leakage. See Fig. 1.



2. If coolant leaks are found, drain or adjust the coolant level as required.

3. Replace the old heater return pipe with the updated part. **Do not** replace the right-hand side bracket.
4. To replace the welded clamp on the engine, install the P-clamp on the heater return pipe. Fasten the P-clamp at the original mounting point on the engine. See Fig. 2.



5. Add coolant to the required level, then pressure test the engine cooling system to check for leaks.

Warranty

This procedure is warrantable only if the described condition exists and the repair is performed within the applicable base or extended coverage warranty period. If a failure is not found, this procedure is considered preventive and warranty does not apply.

See below table for OWL VMRS codes and labor hours information. Enter this service bulletin number in the Service Bulletin # field.

Table 2, OWL VMRS Codes and Labor Allowance

Damage Code and Time Guide Information						
Primary Failed Part	Component Code	Cause Code	Correction Code	SRT Code	Description	Hours
A05-35833-000	001-002-098	18	03	266-5012A	PIPE-RETURN, HEATER, REPLACE	1.1 hrs

Table 2, OWL VMRS Codes and Labor Allowance

Note:

- 001-002-098
- REMOVE
- INSTALL
- REPLACE
- INSPECT
- ASSEMBLE
- DISASSEMBLE

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