

Adjusting the Coolant Pipe Position

TSB-20-089 FTL

Creation Date:2024-02-19

Last Revision Date:2025-01-22

Engine or Vehicle Affected:

► eCascadia

Description of Revisions: This bulletin replaces the version dated 05/20/2024. The figure reference linking in step 7 has been updated.

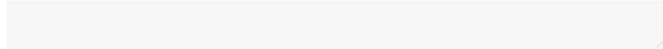
Warranty applies to this described condition. See the warranty information at the end of this bulletin.

Described Condition

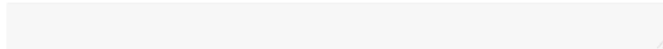
Insufficient coolant pipe to frame rail clearance on eCascadia vehicles can rub the coolant pipe, which may result in excessive chaffing. Use the following directions to adjust the coolant pipe position.

Adjusting the Coolant Pipe Position

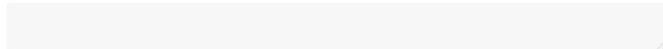
1. Park the vehicle on a level surface, shut down the vehicle and set the parking brake. Chock the tires.



2. Disconnect the batteries at the negative terminals.



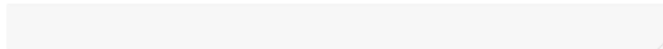
3. Open the hood.



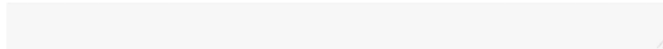
4. Check the clearance between the coolant pipe and the frame rail. See Fig. 1.
Is the clearance 3/4-inch (19 mm) or more?

YES → No adjustment is needed.

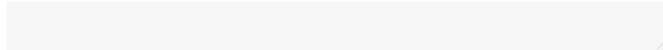
NO → Go to step 5. See Fig. 2.



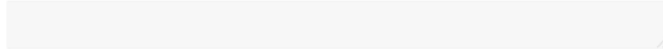
5. Loosen the bolt and lift up the coolant pipe. See Fig. 3.



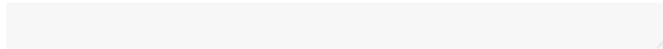
6. Tighten the bolt 11 lb-ft (15 N·m). See Fig. 4.



7. Verify that the clearance to the rail is at least 3/4-inch (19 mm). See Fig. 5.



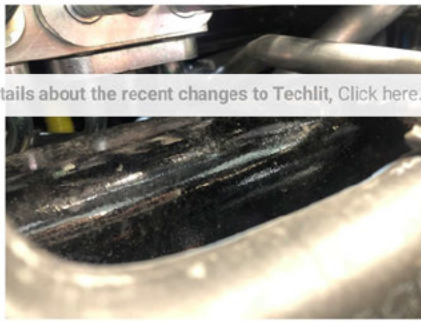
8. Connect the battery at the negative terminals.



9. Close the hood.

For more details about the recent changes to Techlit, Click here.

X



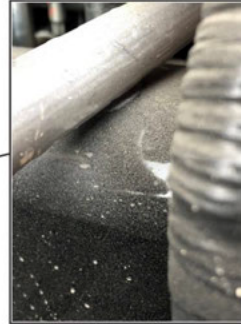
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Fig. 1, Checking the Clearance between the Frame Rail and Coolant Pipe



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Fig. 2, Before Adjustment



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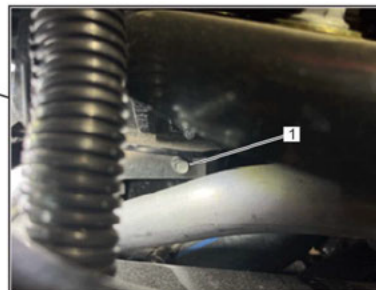
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A. Bolt Location

Fig. 3, Location of the Bolt to Adjust the Coolant Pipe Position



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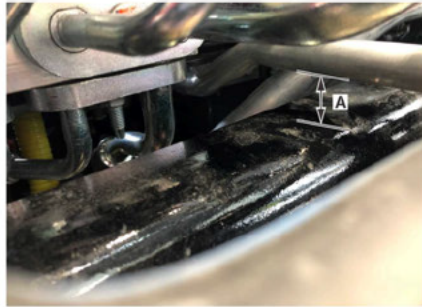
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1. Bolt

2. Tool

Fig. 4, Accessing the Bolt

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A. Clearance measurement should be at least 3/4-inch (19 mm) between the frame rail and coolant pipe.

Fig. 5, Verifying the Clearance

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 table 1 for OWL VMRS codes and labor allowance information. Enter this service bulletin number in the Service Bulletin # field.

Table 1, 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
A05-36289-000	001-002-187	22	01	170-6050A	PIPE ASSEMBLY-MANIFOLD, HEATER PLUMBING, ELECTRIC VEHICLE	0.3

Table 1, OWL VMRS Codes and Labor Allowance

Note:
001-002-187
ADJUST
F38
F40

CONTACT INFORMATION

For questions, please create a Service Technical Request using the DTTS Application on the DTNA Portal.

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