

# Adjusting the Coolant Pipe Position

## TSB-20-089 FTL

Creation Date:2024-02-19

### Engine or Vehicle Affected:

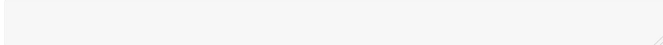
► eCascadia

#### General Information

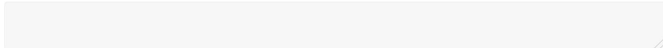
Insufficient coolant pipe to frame rail clearance on eCascadia vehicles can rub the coolant pipe, which may result in excessive chaffing. Use the following directions to adjust the coolant pipe position.

#### Adjusting the Coolant Pipe Position

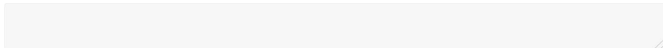
1.  Park the vehicle on a level surface, shut down the vehicle and set the parking brake. Chock the tires.



2.  Disconnect the batteries at the negative terminals.



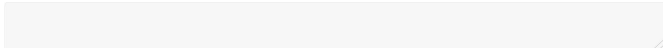
3.  Open the hood.



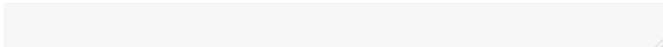
4.  Check the clearance between the coolant pipe and the frame rail. See figure [1](#).  
Is the clearance 3/4-inch (19 mm) or more?

**YES** → No adjustment is needed.

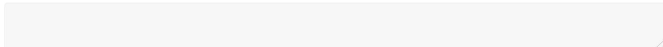
**NO** → Go to step 5. See figure [2](#).



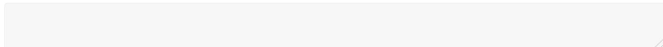
5.  Loosen the bolt and lift up the coolant pipe. See figure [3](#).



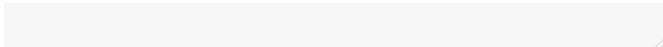
6.  Tighten the bolt 11 lb·ft (15 N·m). See figure [4](#).



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

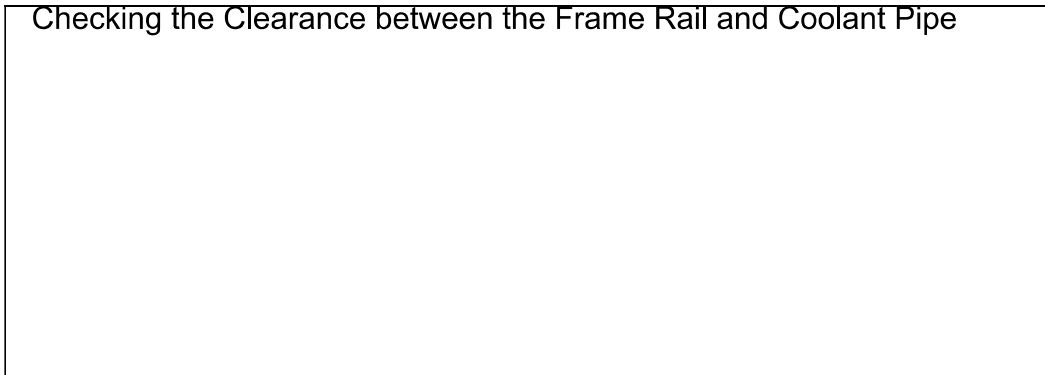


8.  Connect the battery at the negative terminals.



9.  Close the hood.

Checking the Clearance between the Frame Rail and Coolant Pipe



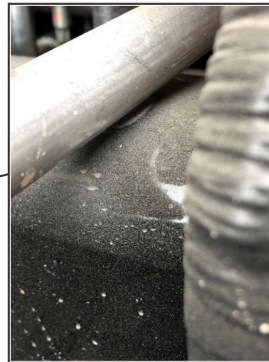
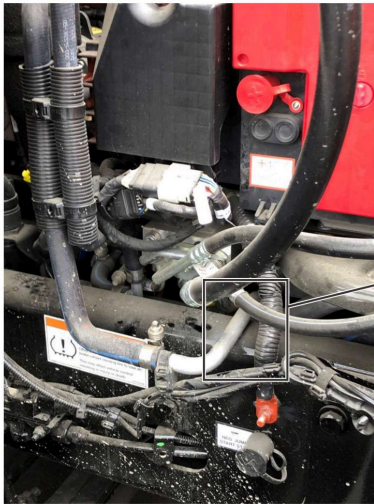


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Fig. 1, Checking the Clearance between the Frame Rail and Coolant Pipe

Before Adjustment



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Fig. 2, Before Adjustment

Location of the Bolt to Adjust the Coolant Pipe Position



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.

Normal warranty applies. 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

<b>Damage Code and Time Guide Information</b>						
<b>Primary Failed Part</b>	<b>Component Code</b>	<b>Cause Code</b>	<b>Correction Code</b>	<b>SRT Code</b>	<b>Description</b>	<b>Hours</b>
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**

**Component Code/VMRS = 001-002-187 PIPE ASSEMBLY-MANIFOLD, HEATER PLUMBING, ELECTRIC VEHICLE**

**Note:**  
F38  
ADJUST  
001-002-187

**CONTACT INFORMATION**

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