

08/04/2021
CAL FTL 47-001b
Revision of CAL FTL 47-001

Subject: Correction of Low Pressure Fuel Line Installation to Ensure Proper Clearance

Vehicles Affected: 84 New Cascadia vehicles, model year 2021, built from February 2020 through January 4, 2021

Revision Information: Figures have been updated to better show the issue being addressed.

General Information

Our records indicate that you own New Cascadia vehicles built from February 2020 thru January 4, 2021. For this reason we have decided to share this information with you.

New Cascadia vehicles manufactured during the above time period were found to have reduced clearance between the fuel line and one engine harness mounting bracket. Modification to this bracket and the fuel line installation is required in order to ensure proper clearance. This modification is described in the attached work instructions.

We hope you find this information helpful.

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Work Instructions

Subject: Correction of Low Pressure Fuel Line Installation to Ensure Proper Clearance

Vehicles Affected: 84 New Cascadia vehicles, model year 2021, built from February 2020 through January 4, 2021

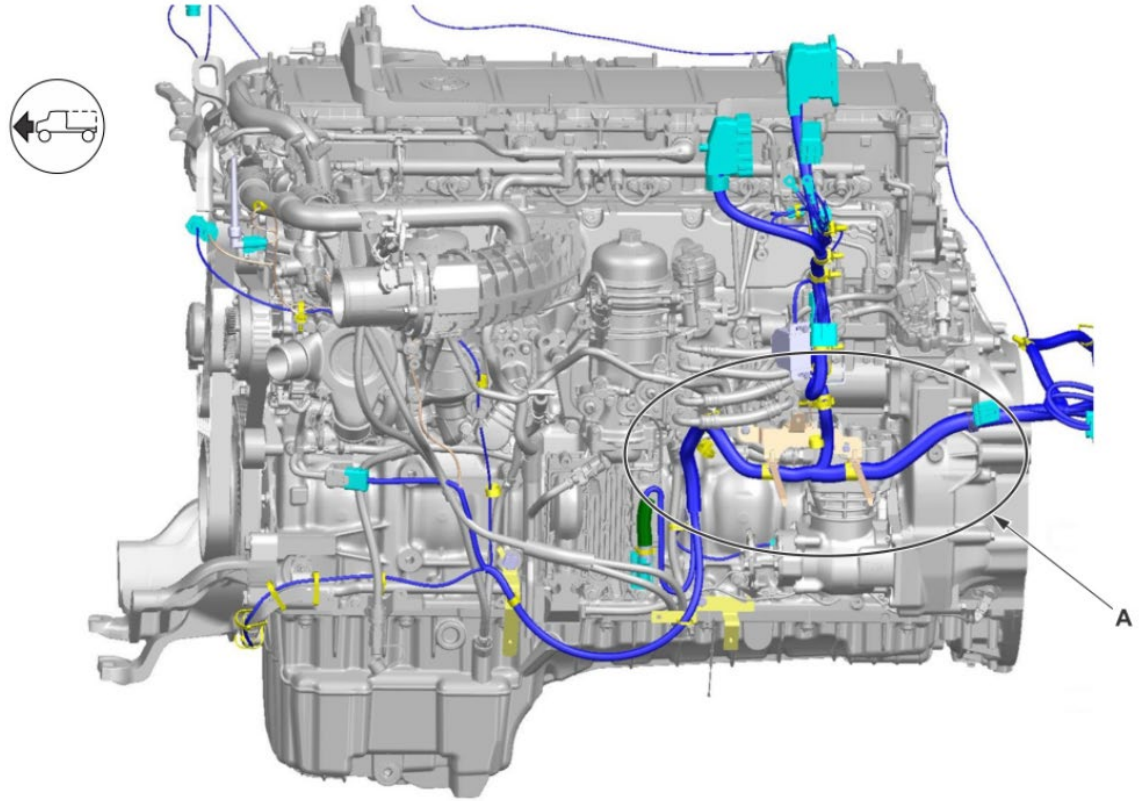
Parts

Part Number	Description	Quantity
A66-24315-000	BRKT-MULTI MOD SUPT, HDEP,FPT	1
23-14137-000	CABLE TIE ASSY-FIR TREE MOUNT	2
913023 008003	NUT-HEX FLG, M8X1.25, PRVL TRQ	1
910105 006006	SCRW HEX FLG, M6X1.00X20	1
23-09796-629	CLAMP-CABLE TIE,15",0-4 BUNDLE	As Required

Table 1, Parts

Work Instructions

1. Park the vehicle on a level surface, shut down the engine, and apply the parking brakes. Chock the tires.
2. Disconnect the batteries.
3. Open the hood to gain access to the fuel line and engine harness.
4. Locate the engine harness mounting bracket. See **Fig. 1**.



A. Engine harness mounting bracket location.

Fig. 1, Engine Harness Mounting Bracket Location

5. Remove the tie straps attaching the harness and fuel line to the engine harness mounting bracket. See **Fig. 2** and **Fig. 3**.

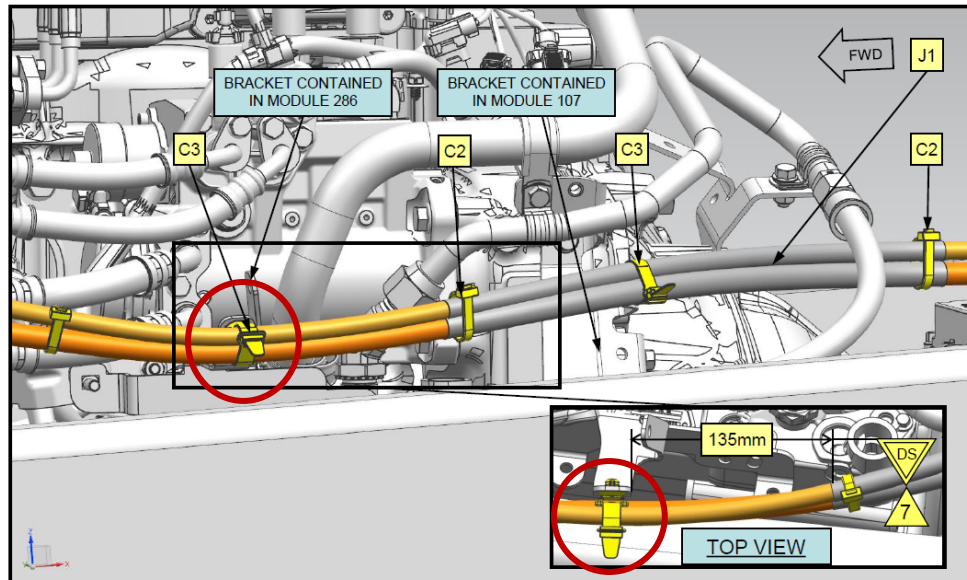


Fig. 2, Fuel Line and Harness Attached to Engine Harness Mounting Bracket

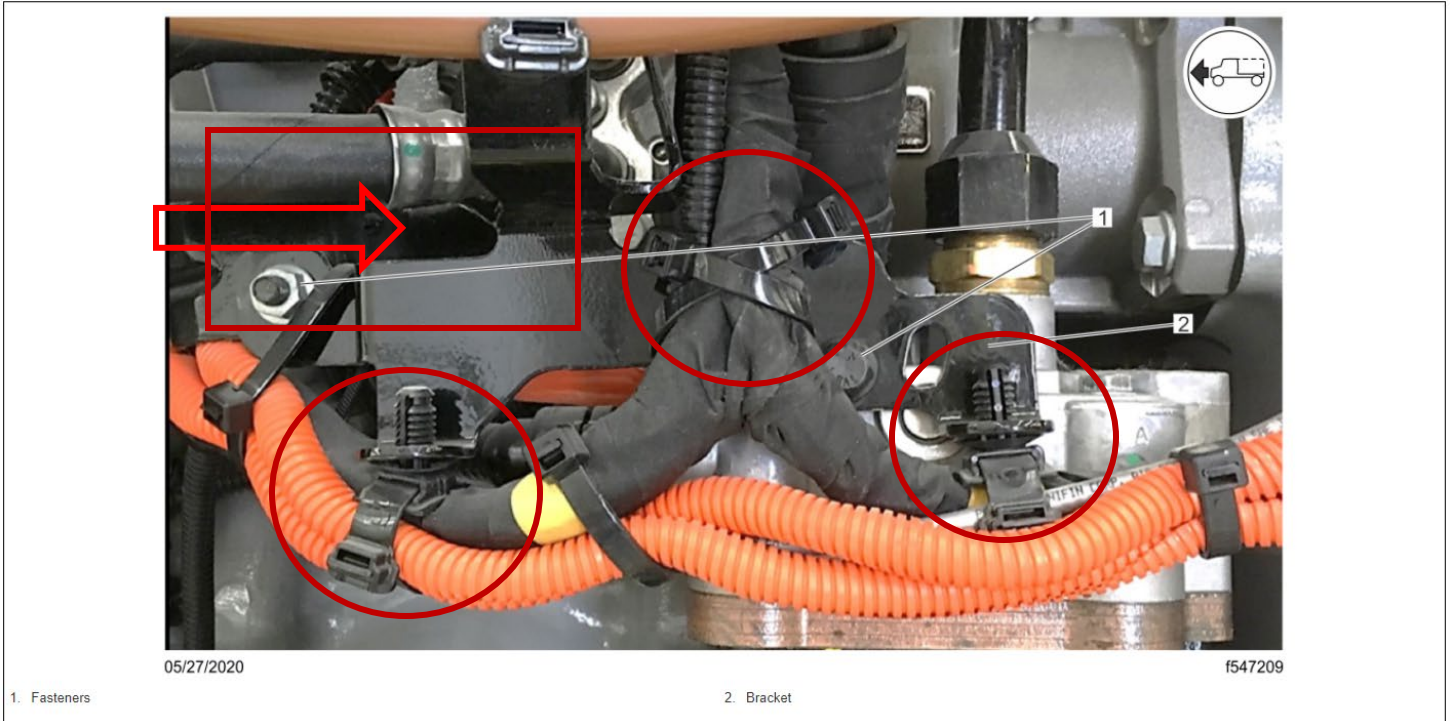


Fig. 3, Engine Harness Routing Showing Tie Straps to Remove and Area of Reduced Clearance

6. Remove the M8 and M6 hex nuts that attach the mounting bracket shown in **Fig. 4**, items 2 and 3, and remove the bracket.

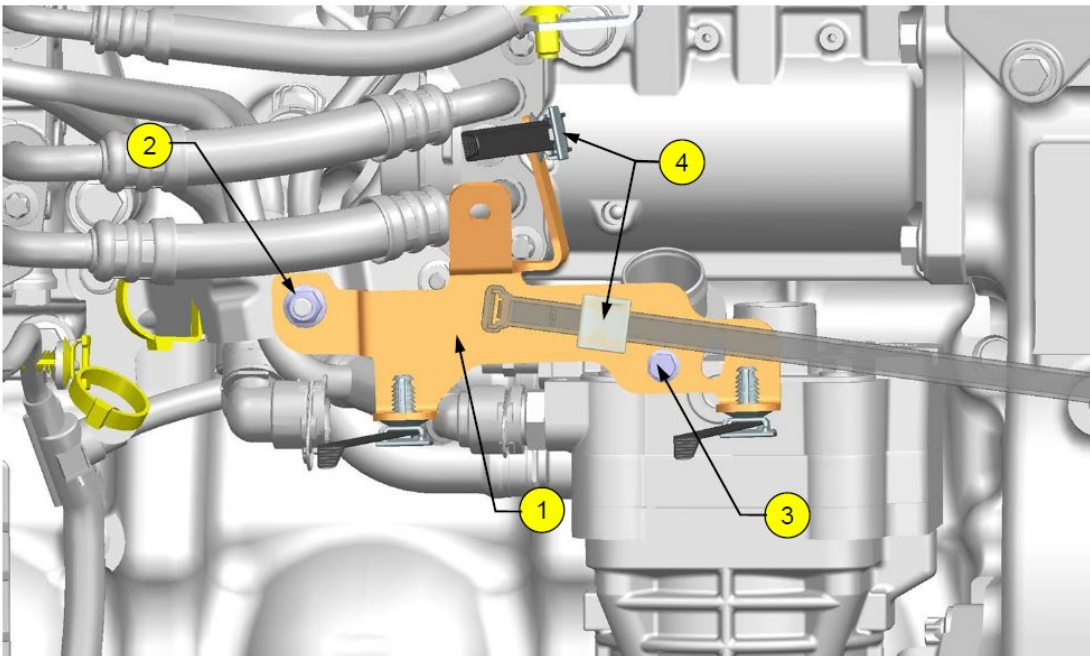


Fig. 4, Mounting Bracket and Fasteners

Note: Engine harness and fuel line are not shown for clarity

- Using the two fasteners removed in the previous step, install the new bracket (part number A66-24315-000). Tighten the M6 hex screw $5\pm.4$ lbf·ft ($7\pm.5$ N·m). Tighten the M8 hex nut $11\pm.7$ lbf·ft ($15\pm.1$ N·m). See **Fig. 5** for an illustration of the new bracket.

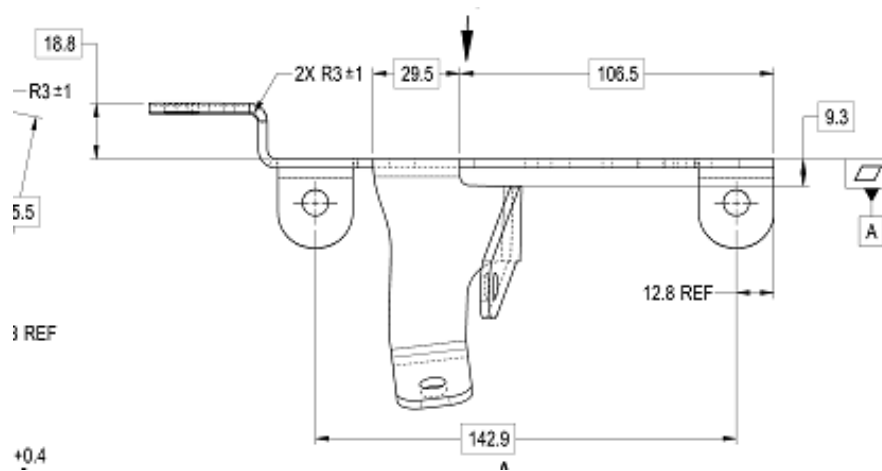


Fig. 5, New Engine Bracket Showing Dimensions

- Use the two cable tie mounts (part number 23-14137-000), shown in **Fig. 6** item 4, to attach the engine harness and fuel line to the new engine bracket.
- Verify the clearance between the low pressure fuel line and new engine bracket, as shown in **Fig. 6**, is .28 inch (7 mm) or greater as shown in **Fig. 7**.

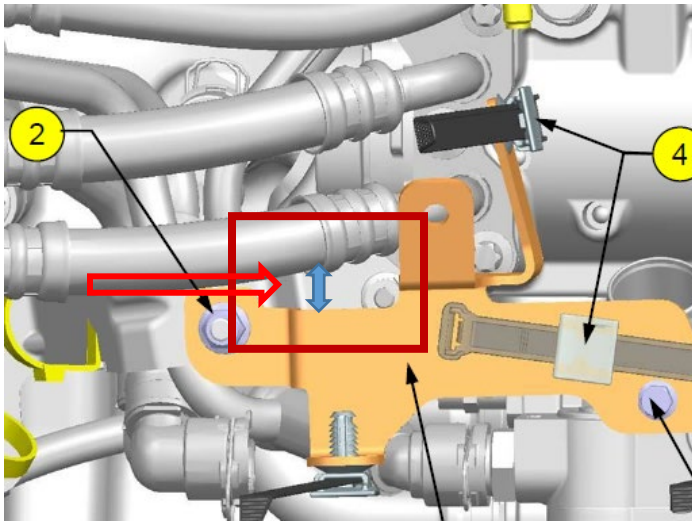


Fig. 6, Where to Measure Clearance Between Low Pressure Fuel Line and Engine Mounting Bracket

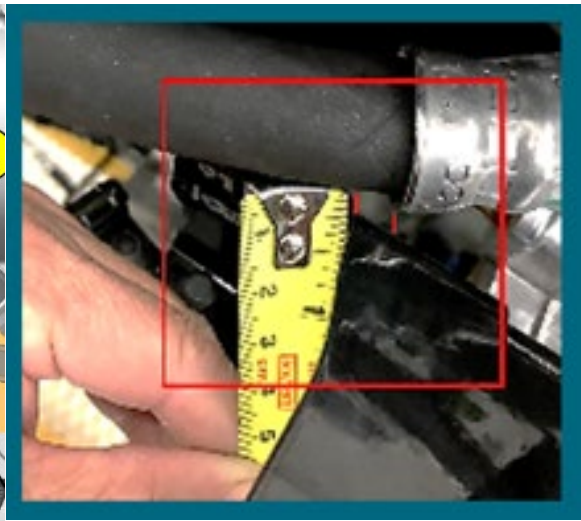


Fig. 7, Measuring Clearance between Low Pressure Fuel Line and Mounting Bracket

- Close the hood.
- Connect the batteries.