

January 2022
SF640A

Subject: FCCC MT DEF Coolant Lines

Models Affected: Specific model year 2022 Freightliner Custom Chassis MT45 and MT55 model chassis, manufactured January 5, 2021, through July 14, 2021.

General Information

Daimler Trucks North America LLC (DTNA), on behalf of its wholly-owned subsidiary Freightliner Custom Chassis Corporation (FCCC), is initiating Field Service Campaign SF640A to modify the vehicles mentioned above.

On certain Morgan Olsen bodied units, the Diesel Exhaust Fluid (DEF) coolant lines may become damaged by rubbing against the cross sill.

The hard line from the top of the engine will be removed and replaced with a heater hose and associated fittings.

There are approximately 266 vehicles involved in this campaign.

Additional Repairs

Dealers must complete all outstanding Recall and Field Service campaigns prior to the sale or delivery of a vehicle. A Dealer will be liable for any progressive damage that results from its failure to complete campaigns before sale or delivery of a vehicle.

Owners may be liable for any progressive damage that results from failure to complete campaigns within a reasonable time after receiving notification.

Please contact Warranty Campaigns for consideration of additional charges prior to performing the repair.

Work Instructions

Please refer to the attached work instructions. Prior to performing the campaign, check the vehicle for a completion sticker (Form WAR261).

Replacement Parts

Replacement parts are now available and can be obtained by ordering the part numbers listed below from your facing Parts Distribution Center.

If our records show your dealership has ordered any vehicle(s) involved in campaign number SF640, a list of the customers and vehicle identification numbers will be available on DTNAConnect. Please refer to this list when ordering parts for this campaign.

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Table 1 - Replacement Parts for SF640

Parts Note: Some parts are only available in bulk quantity, so you will not need to order parts for every individual repair, as you will be able to use your existing stock.

Campaign Number	Part Number	Part Description	Qty. per VIN
SF640A	BEN 476045028	TUBE-RFLT SLV,1.00",HTSHD	2 ft
	GT 4230T5/8	HOSE-HTR,EPDM,.625" ID	2 ft
	PH 68HB10 8	CONN-BARB,5/8" HOSE ID,1/2NPT	1 ea
	23-13482-003	TIE-FIR TREE MTD,7.8-8.0MM,FT8	1 ea
	23-09114-006	WASHER-HRDN,0.34X0.69X.080,ZN	1 ea
	23-10900-025	WASHER-FLAT,SST,1/4"	2 ea
	23-13861-104	NUT-HEX,FLG,1/4-20,LOCK,ZN/AL	2 ea
	23-09796-309	CLAMP-CABLE TIE	2 ea
	23-13476-000	TIE-CLAMP,.5W,15L,4.13BUNDLE	1 ea
	23-11743-100	SCREW-CAP,HEX,1/4-20 UNC	2 ea
	BRZ 62010H C	CLAMP-HOSE .56-1.06	2 ea
	23-12691-000	CLAMP-SPRING	1 ea
	23-12404-010	BARB FITTING	1 ea
	05-37224-000	BRKT-MTG,PIPE,HTR,SPLY,B6.7	1 ea
	N000933 008036	SCREW-CAP,HEX M08X20 8.8 P/O	1 ea
	23-09130-022	BRKT-STANDOFF,.433X.281,ANGLE	1 ea
	23-09528-055	CLAMP-SUPPORT,1.00 ID	1 ea
	23-13140-008	AXIAL MT-SADDLE,TIE STRIP,8MM	1 ea
	WAR261	BLANK COMPLETION STICKER	1 ea

Table 1

Removed Parts

Please follow Warranty Failed Parts Tracking shipping instructions for the disposition of all removed parts.

Labor Allowance

Table 2 - Labor Allowance

Campaign Number	Procedure	Time Allowed (hours)	SRT Code	Corrective Action
SF640A	TUBE, COOLANT, UPDATE	0.9	996-F110A	12-Repair Recall/Campaign

Table 2

IMPORTANT: When the campaign has been completed, locate the base completion label on the vehicle, and attach a gray completion sticker (Form WAR261). If the vehicle does not have a base completion label, clean a spot on the appropriate location of the vehicle, and attach a base completion label (Form WAR259) prior to attaching the completion sticker.

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Claims for Credit

You will be reimbursed for your parts, labor, and handling by submitting your claim through the Warranty system within 30 days of completing this campaign. Please reference the following information in OWL:

- Claim type is **Field Service Campaign**.
- In the Campaign field, enter the campaign number and appropriate condition code (**SF640-A**).
- In the Primary Failed Part field, enter **25-SF640-000**.
- In the Parts section, enter the appropriate part numbers as shown in the Replacement Parts Table.
- In the Labor section, enter the appropriate SRT from the Labor Allowance Table. Administrative time will be included automatically as SRT 939-6010A for 0.3 hours.
- The VMRS Component Code is **F99-999-005** and the Cause Code is **A1 - Campaign**.
- This Field Service Campaign will **terminate on January 31, 2023**. Dealers will be notified of any changes to the termination date via Important Campaign Information Letter posted on DTNACConnect.com.

IMPORTANT: Check OWL prior to beginning work to ensure the vehicle is involved, and the campaign has not already been completed. Check for a completion sticker before beginning work.

All claims must be submitted within 30 days of the repair and within 30 days of the termination date of the campaign. All excess inventory to be returned to the PDC following the conclusion of the campaign must be returned in resaleable condition to the Memphis PDC within 90 days from the termination date. Please submit a PAR to request return to the Memphis PDC. (Canadian dealers should return the kits to their facing PDC.)

For questions, contact the Warranty Campaigns Department via the Warranty Support Center (WSC) at DTNACConnect.com/WSC, or the Customer Assistance Center at (800) 385-4357.

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Copy of Notice to Owners

Subject: FCCC MT DEF Coolant Lines

Daimler Trucks North America LLC (DTNA), on behalf of its wholly-owned subsidiary Freightliner Custom Chassis Corporation (FCCC), is initiating Field Service Campaign SF640A to modify specific model year 2022 Freightliner Custom Chassis MT45 and MT55 models, manufactured January 5, 2021, through July 14, 2021.

On certain Morgan Olsen bodied units, the Diesel Exhaust Fluid (DEF) coolant lines may become damaged by rubbing against the cross sill.

The hard line from the top of the engine will be removed and replaced with a heater hose and associated fittings.

Please contact an authorized DTNA dealer to arrange to have the campaign performed and to ensure that parts are available at the dealership. The campaign will take approximately one hour and will be performed at no charge to you. To locate an authorized dealer, search online at Daimler-TrucksNorthAmerica.com/contact-us/. Scroll down to "Locate a Dealer," and select the appropriate brand.

This Field Service Campaign will **terminate on January 31, 2023**. Please make sure the campaign is completed prior to this date. Work completed after this date will be done at the customer's expense.

As stated in the terms of your express limited warranty, DTNA will not pay for any damage caused by failure to properly maintain your vehicle. DTNA considers the work necessary under this campaign to be proper maintenance and will, therefore, not pay for any damage to your vehicle caused by your failure to have the repairs that are the subject of this campaign performed in a reasonable time.

Contact the Warranty Campaigns Department at (800) 547-0712, e-mail address DTNA.Warranty.Campaigns@Daimler.com, or the Customer Assistance Center at (800) 385-4357, if you have any questions or need additional information.

WARRANTY CAMPAIGNS DEPARTMENT

Enclosure

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Work Instructions

Subject: FCCC MT DEF Coolant Lines

Models Affected: Specific model year 2022 Freightliner Custom Chassis MT45 and MT55 model chassis, manufactured January 5, 2021, through July 14, 2021.

Diesel Exhaust Fluid (DEF) Coolant Supply Line Update

See [Fig. 1](#) for the DEF coolant supply hard line location.

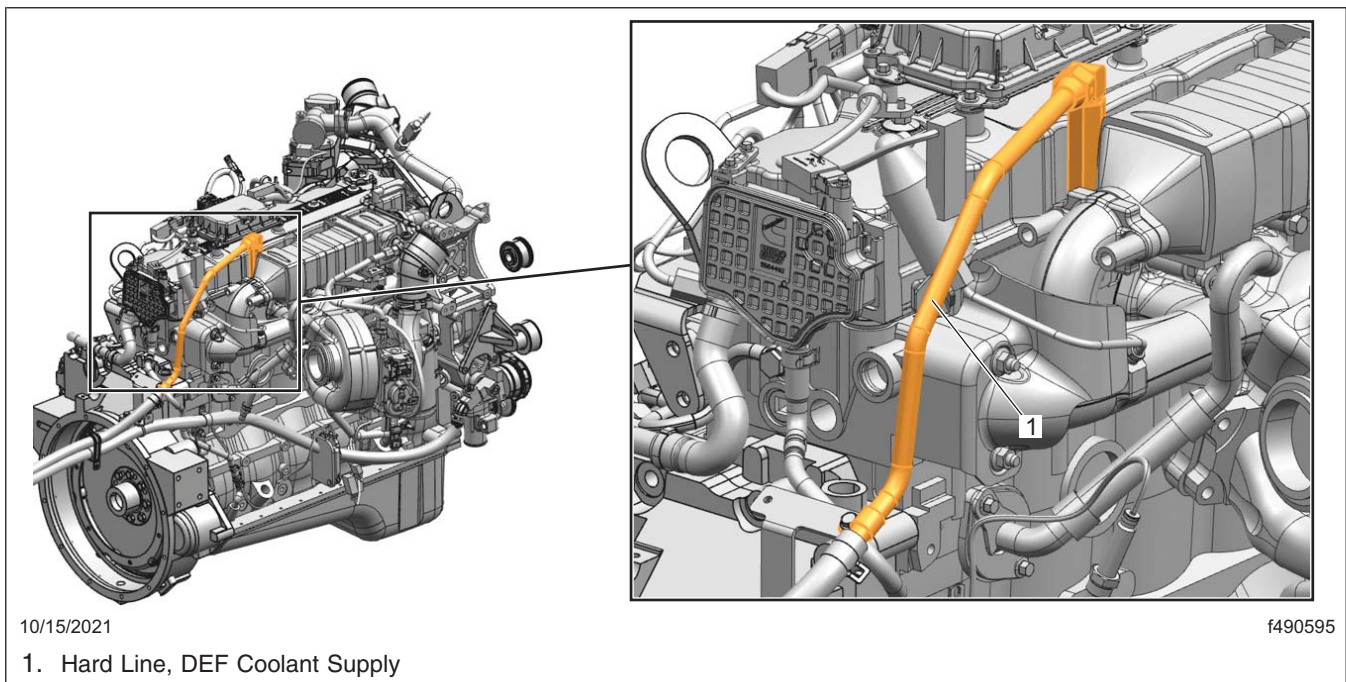


Fig. 1, Existing DEF Coolant Supply Hard Line

1. Inspect the base label (Form WAR259) for a campaign completion sticker for SF640 (Form WAR261). If a sticker is present for SF640, no work is needed. If there is no sticker, proceed with the steps below.
2. Park the vehicle on a level surface, shut down the engine, and set the parking brake. Chock the tires.
3. Drain the coolant from the cooling system into a clean container. For instructions, refer to **Group 20** of the *Walk-In Van Chassis Workshop Manual*.

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4. Remove the hardware that attaches the P-Clamp to the DEF coolant supply hard line mounting bracket. See **Fig. 2**, item 6.
5. Remove the P-Clamp from the DEF coolant supply hard line. See **Fig. 2**, item 5.
6. Using a clamp removal tool, loosen the spring clamp that secures the hard line to the soft line shown in **Fig. 2**, item 4, then disconnect the hard line from the soft line.
7. Disconnect the hard line from the engine fitting adaptor. See **Fig. 2**.
8. Remove the hard line fitting adaptor from the engine. See **Fig. 2**, item 1.
9. Remove the transmission dipstick tube P-clamp from the hard line mounting bracket. Retain the P-clamp and hardware for later use.
10. Remove the fir tree strap that secures the coolant return line to the mounting bracket. See **Fig. 2**, item 9.
11. Remove the bolt and washer that attaches the hard line mounting bracket to the flywheel housing. See **Fig. 2**, items 8 and 7.

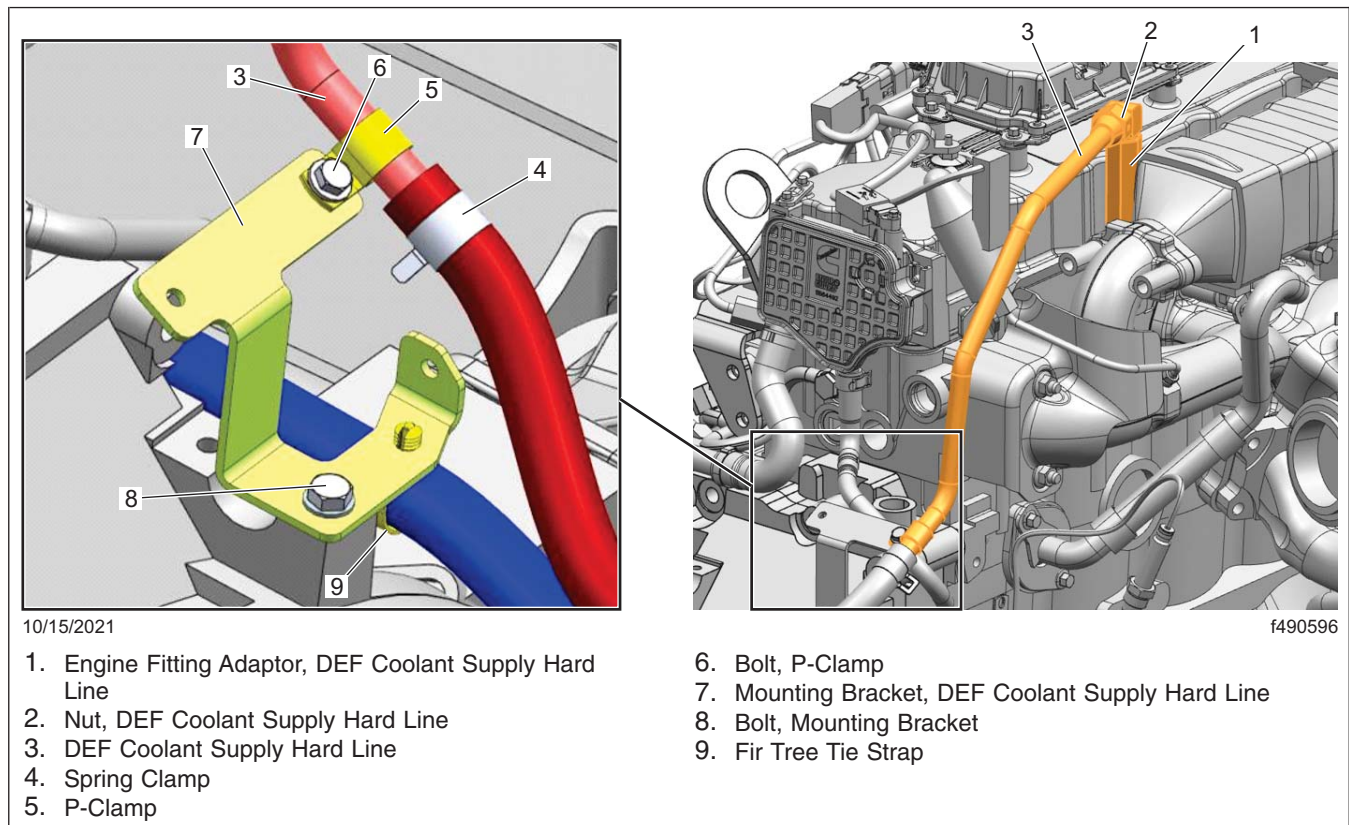


Fig. 2, Mounting, Existing DEF Coolant Supply Hard Line

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IMPORTANT: Parker engine fitting adaptor PH 68HB10 8 comes with pre-applied Vibra-Seal® 516 sealant. Ensure that Vibra-Seal® 516 sealant, or Loctite® 567, is applied on the engine fitting adaptor thread before installation.

12. Install the fitting adaptor on the engine coolant supply port. Tighten the adaptor 37 to 45 lbf-ft (50 to 61 N·m). See **Fig. 3**, item 3.
13. Cover the new hose with a heat shield sleeve.
14. Fit the clamp to the hose, and install the hose on the engine fitting. See **Fig. 3**.

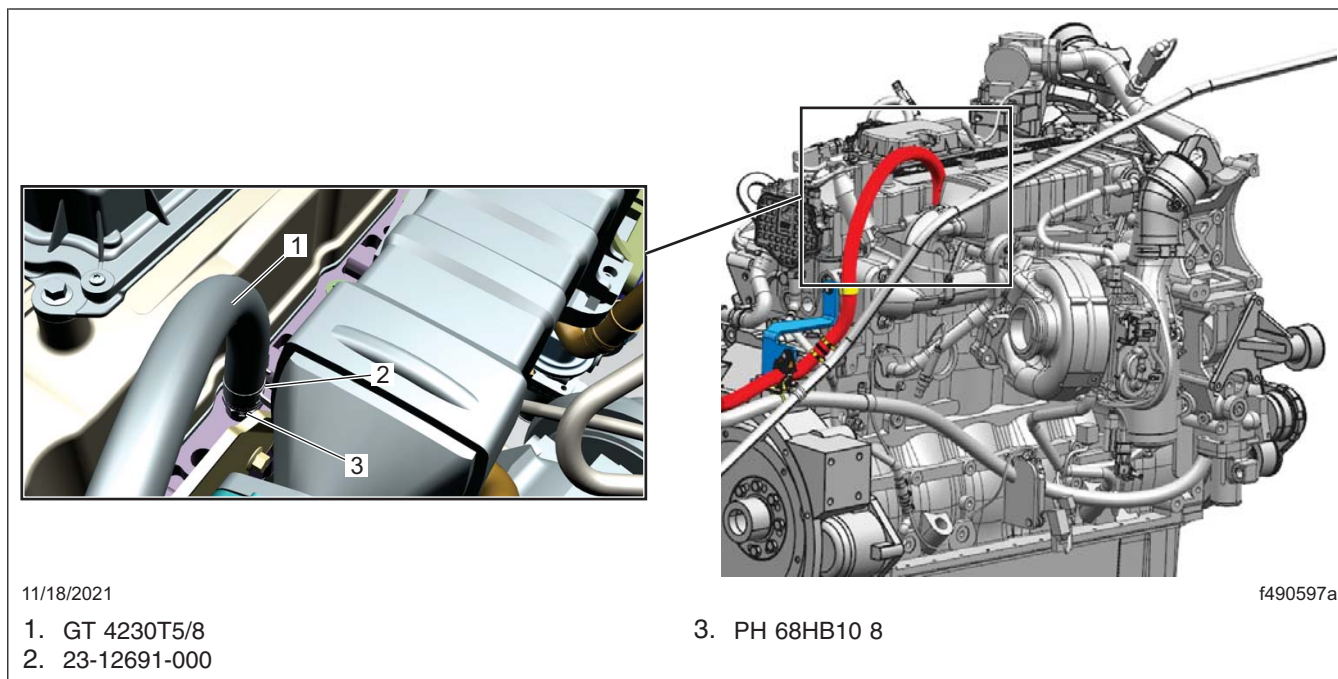


Fig. 3, New DEF Coolant Supply Soft Line Engine Fitting

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15. Slide one screw clamp over the other end of the new soft line, and the end of the existing soft line.
See **Fig. 4**, item 15.

16. Using the barbed union, connect the new DEF coolant line to the existing coolant line. Tighten the screw clamps to secure the connection. See **Fig. 4**, items 15 and 16.

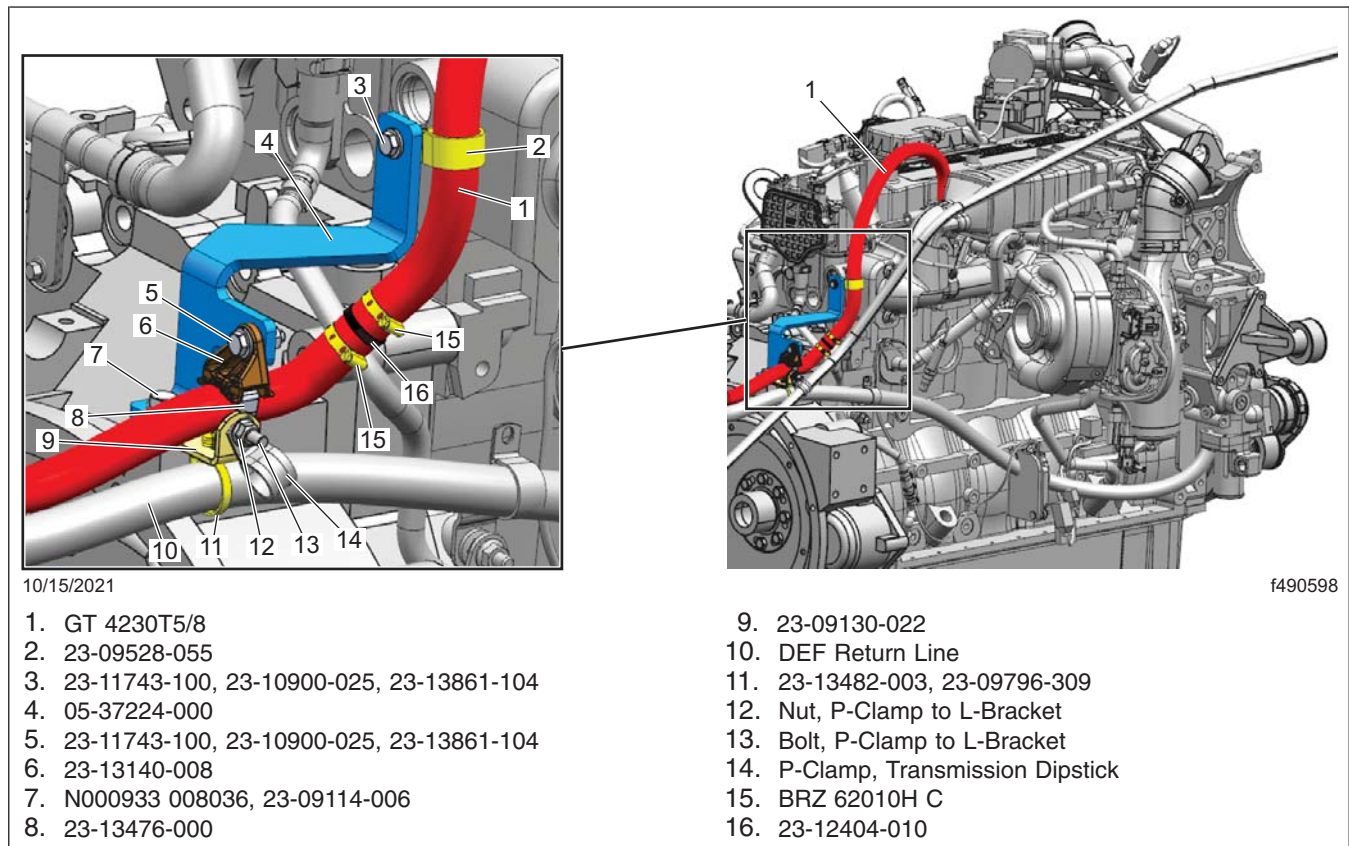


Fig. 4, Mounting, New DEF Coolant Supply Soft Line

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17. Position the new standoff bracket, and the new supply line mounting bracket on the transmission bell housing as shown in **Fig. 5**, items 3 and 1.
18. Apply Loctite® 272 on the mounting bracket bolt; then install the bolt with the washer. Tighten the fastener 11 lbf·ft (15 N·m). See **Fig. 5**, item 2.

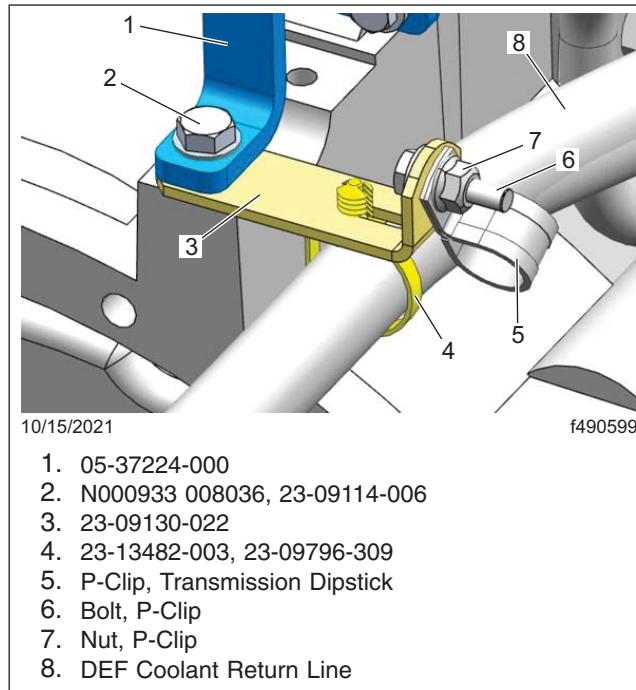


Fig. 5, Standoff Bracket and Mountings

19. Position the saddle mount on the new mounting bracket. See **Fig. 4**, item 6. Install the capscrew with washer, and then install the nut. Tighten the nut 64 lbf·in (723 N·cm).
20. Using a tie strap, secure the existing soft line to the saddle bracket. See **Fig. 4**, item 8.

NOTICE

The minimum bend radius for the new soft line is six inches. Confirm there is enough line between the engine and the first support P-Clamp to maintain the minimum radius. If the line is bent to a radius smaller than the specified minimum bend radius, it may kink, and shut off normal flow to the component.

21. Install the P-clamp on the new soft line. See **Fig. 4**, item 2.
22. Attach the P-clamp to the mounting bracket; install the capscrew with washer; then install the nut. See **Fig. 4**, item 3. Tighten the fastener 64 lbf·in (723 N·cm).
23. Install the fir tree on the standoff bracket, and use a cable tie to secure the return line to it. See **Fig. 5**, item 4.
24. Install the transmission dipstick tube P-clamp on the standoff bracket. See **Fig. 5**, item 5. Tighten the fastener 64 lbf·in (723 N·cm).
25. Fill the cooling system. For instructions, refer to **Group 20** of the *Walk-In Van Chassis Workshop Manual*.
26. Start the engine, and check for leaks.
27. Clean a spot on the base label (Form WAR259) and attach a campaign completion sticker for SF640 (Form WAR261) indicating this work has been completed.