

September 2020
SF607AB

Subject: Freightliner Cascadia LG1 Radiator Inlet Hoses

Models Affected: Specific Model Year 2020-2021 Freightliner Cascadia model vehicles, manufactured July 10, 2019, through July 20, 2020.

General Information

Daimler Trucks North America LLC (DTNA), on behalf of its Freightliner Trucks Division, is initiating Field Service Campaign SF607AB to modify the vehicles mentioned above.

The radiator and upper hose assembly have an alternate design available which may extend the life of the radiator hose and prevent leaking connectors.

The radiator, inlet hose, and clamps will all be replaced with a new design.

There are approximately 191 vehicles involved.

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 number(s) listed below from your facing Parts Distribution Center.

If our records show your dealership has ordered any vehicle(s) involved in campaign number SF607, 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.

Table 1 - Replacement Parts for SF607

Campaign Number	Part Number	Part Description	Qty.
SF607A	TXE 1003850D	RADIATOR ASSEMBLY	1 ea
	05-32500-000	HOSE-UPR,RAD,1400,DD13,NGC	1 ea
	23-12485-250	CLAMP-CONSTANT TORQUE,HOSE,2 9/16-3 1/2	2 ea
SF607B	TXE 1004227A	HOUSED RADIATOR - K105 HWY LSO	1 ea
	05-32501-000	HOSE-UPR,RAD,K90,DD15,DD16,NGC	1 ea
	23-12485-250	CLAMP-CONSTANT TORQUE,HOSE,2 9/16-3 1/2	2 ea
SF607AB	WAR261	BLANK COMPLETION STICKER	1 ea

Table 1

Removed Parts

U.S. and Canadian Dealers, please follow Warranty Failed Parts Tracking shipping instructions for the disposition of all removed parts. Export distributors, please destroy removed parts unless otherwise advised.

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Labor Allowance

Table 2 - Labor Allowance

Campaign Number	Procedure	Time Allowed (hours)	SRT Code	Corrective Action
SF607AB	Remove and Replace Radiator, Hose, Clamps	5.0	996-F079A	12-Repair Recall/Campaign

Table 2

IMPORTANT: When the campaign has been completed, locate the base completion label in the appropriate location on the vehicle, and attach the gray completion sticker provided in the field service kit (Form WAR261). If the vehicle does not have a base completion label, clean a spot on the appropriate location of the vehicle and first attach the base completion label (Form WAR259). If a field service kit is not required or there is no completion sticker in the kit, write the campaign number on a blank sticker and attach it to the base completion label.

Claims for Credit

You will be reimbursed for your parts, labor, and handling (landed cost for Export Distributors) 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 (**SF607-A** or **SF607-B**.)
- In the Primary Failed Part field, enter **25-SF607-000**.
- In the Parts section, enter the appropriate part number(s) 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 September 30, 2021**. Dealers will be notified of any changes to the termination date via Important Campaign Information Letter posted on DTNACConnect.com.

IMPORTANT: OWL must be viewed prior to beginning work to ensure the vehicle is involved and the campaign has not previously been completed. Also, 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. U.S. and Canadian Dealers: 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.) Export Distributors: Excess inventory is not returnable.

For questions, U.S. and Canadian dealers, contact the Warranty Campaigns Department via Web inquiry at DTNACConnect.com/WSC, or the Customer Assistance Center at (800) 385-4357, if you have any questions or need additional information. Export distributors submit a Web inquiry or contact your International Service Manager.

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Copy of Notice to Owners

Subject: Freightliner Cascadia LG1 Radiator Inlet Hoses

Daimler Trucks North America LLC (DTNA), on behalf of its Freightliner Trucks division, is initiating Field Service Campaign SF607AB to modify specific Model Year 2020-2021 Freightliner Cascadia model vehicles, manufactured July 10, 2019, through July 20, 2020.

The radiator and upper hose assembly have an alternate design available which may extend the life of the radiator hose and prevent leaking connectors.

The radiator, inlet hose, and clamps will all be replaced with a new design.

Please contact an authorized Daimler Trucks North America dealer to arrange to have the campaign performed and to ensure that parts are available at the dealership. To locate an authorized dealer, go to Daimler-TrucksNorthAmerica.com/Contact-Us/. Scroll down to "Locate a Dealer," and select the appropriate brand. The campaign will take approximately five hours and will be performed at no charge to you.

This Field Service Campaign will **terminate on September 30, 2021**. 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, Daimler Trucks North America LLC will not pay for any damage caused by failure to properly maintain your vehicle. Daimler Trucks North America LLC 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, from 7 a.m. to 4 p.m. Pacific Time, Monday through Friday, 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: Freightliner Cascadia LG1 Radiator Inlet Hoses

Models Affected: Specific Model Year 2020-2021 Freightliner Cascadia model vehicles, manufactured July 10, 2019, through July 20, 2020.

Removal - Cooling System Components

1. Inspect the base label (Form WAR259) for a campaign completion sticker for SF607 (Form WAR261). If a sticker is present for campaign SF607, no work is needed. If there is no sticker, proceed to the next step.
2. Park the vehicle on a level surface, shut down the engine, and set the parking brake. Chock the tires.
3. Open the hood.
4. Remove the bumper. For instructions, refer to **Section 31.02, Subject 100** of the *New Cascadia Workshop Manual*.
5. Drain the coolant.
 - 5.1 Remove the surge tank cap.
 - 5.2 Place a clean 14-gallon (53-liter) container near the radiator drain.
 - 5.3 Connect a 1/2-inch hose to the drain fitting on the radiator, and place the other end in the container.
 - 5.4 Drain the radiator into the container.

NOTICE

Use care when opening the hood when the hood straps are disconnected. Excessive force may damage the hood and supporting equipment.

6. Disconnect the hood straps from the radiator.
7. Remove the right side CAC hose. See [Fig. 1](#).

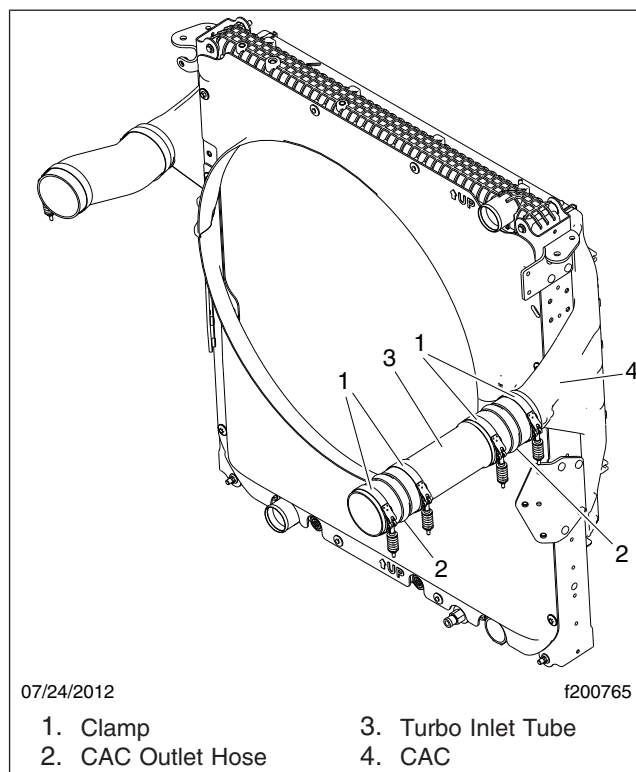


Fig. 1, CAC Hose, Right Side

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8. Remove the left side CAC hose. See [Fig. 2](#).

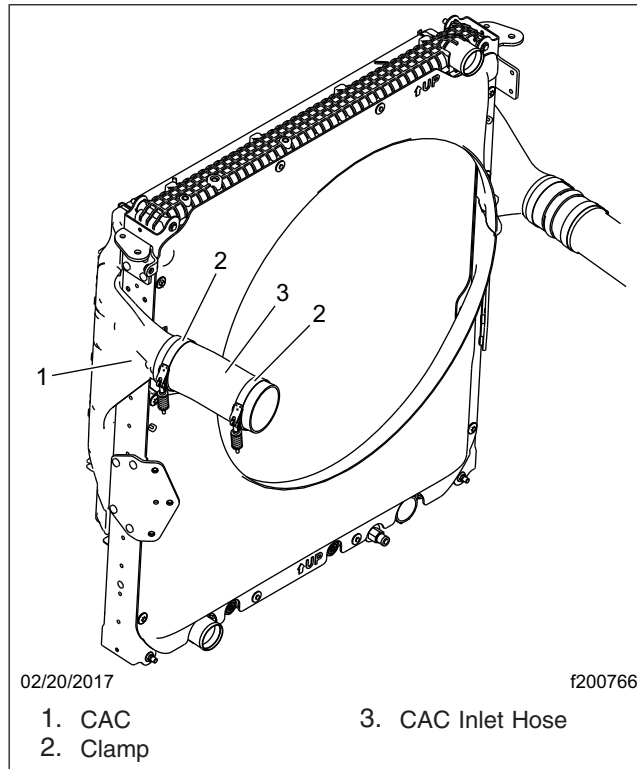


Fig. 2, CAC Hose, Left Side

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9. Disconnect the surge tank vent line. See [Fig. 3](#).

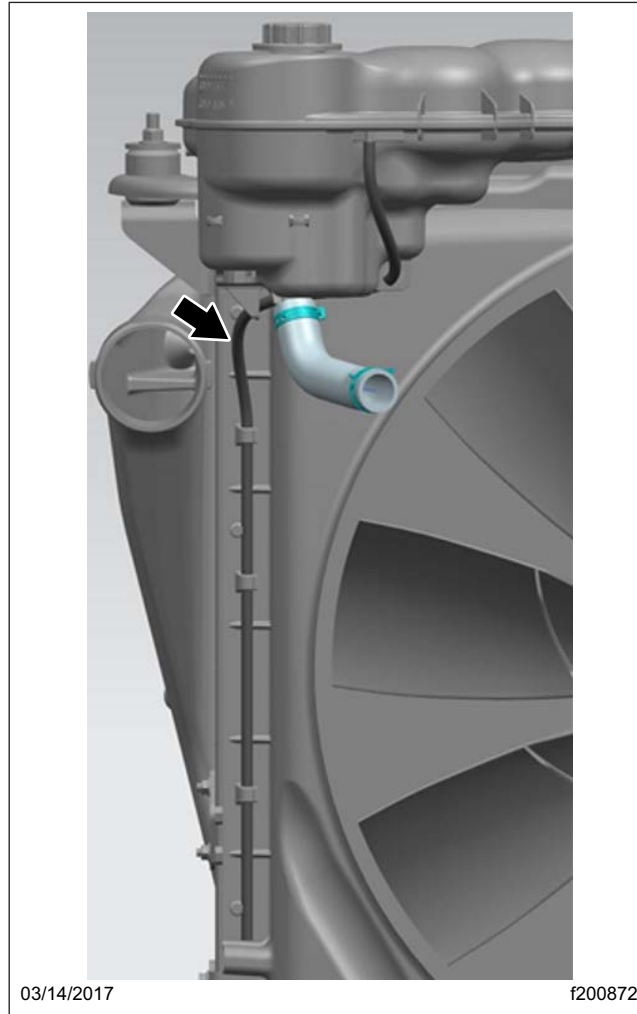


Fig. 3, Surge Tank Vent Line

10. Remove the surge tank.

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11. Remove the upper radiator hose connector to detach the hose. See [Fig. 4](#) and [Fig. 5](#).

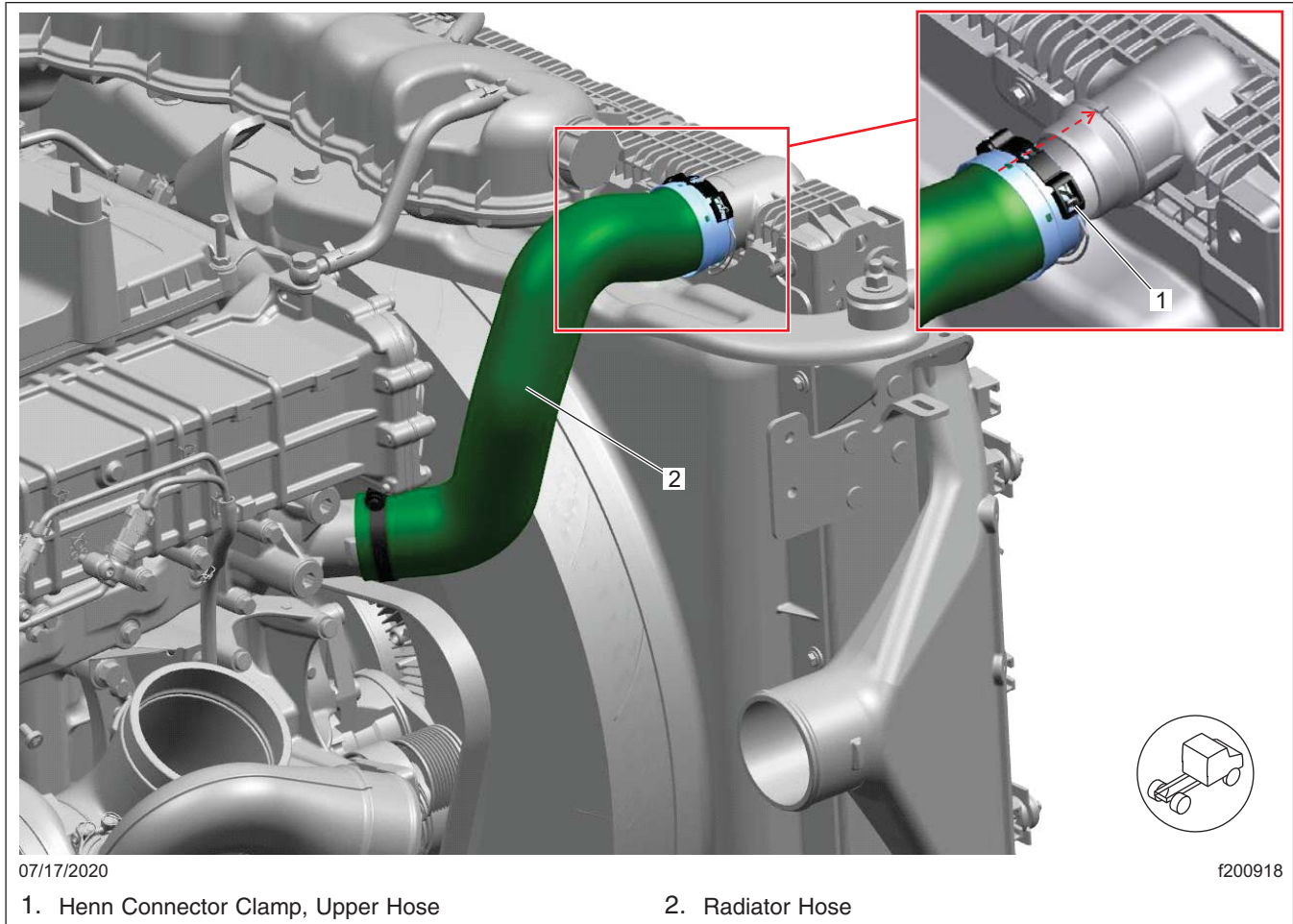


Fig. 4, Upper Radiator Hose Location

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Fig. 5, Upper Radiator Hose Removed

12. Remove the upper radiator support.
13. Disconnect the transmission cooler lines as follows (on applicable vehicles only).
 - 13.1 Place a container of at least 2-gallon (7.5- liter) capacity under the transmission oil cooler lines.
 - 13.2 Thoroughly clean the area around the fitting.
 - 13.3 Disconnect the transmission oil cooler lines from the radiator, and let them drain into the container.

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14. Remove the lower radiator hose. See [Fig. 6](#).

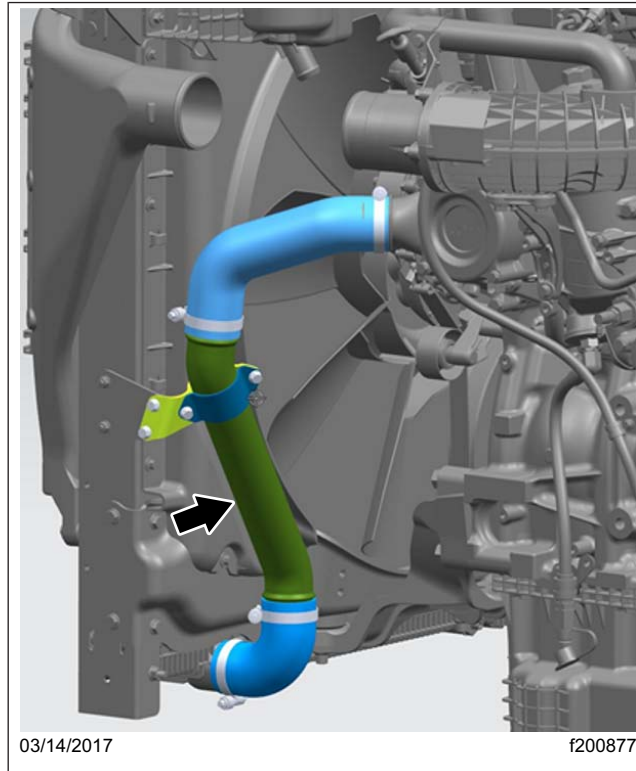


Fig. 6, Lower Radiator Hose

15. Remove the upper fan shroud. See [Fig. 7](#).

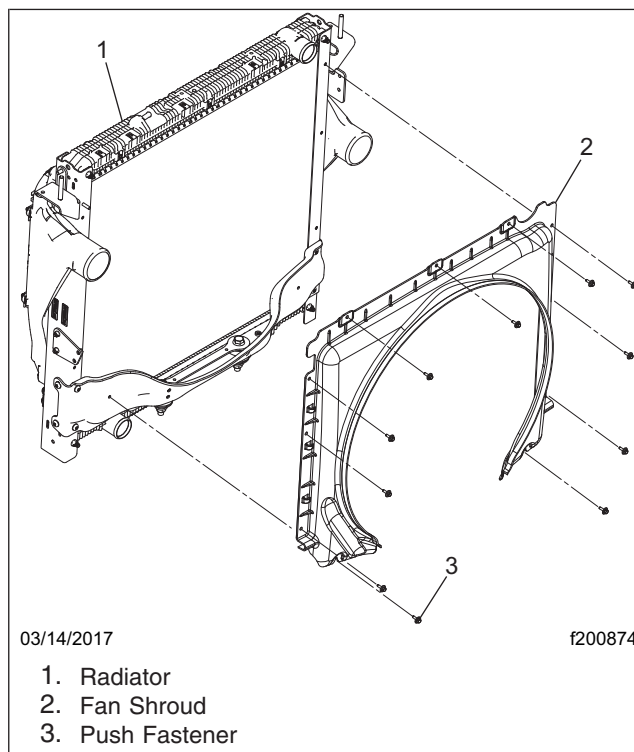


Fig. 7, Fan Shroud

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16. Loosen the condenser and secure it as follows:

16.1 Remove the receiver-drier and upper A/C hose mounting nuts, then free the receiver-drier. See [Fig. 8](#).

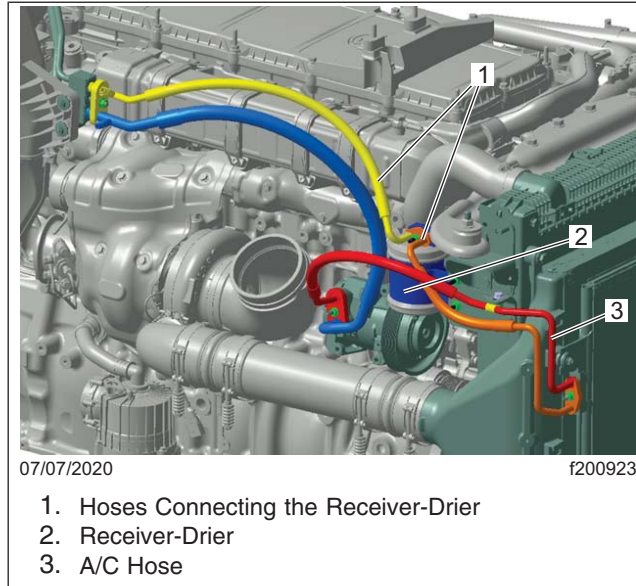


Fig. 8, Receiver-Drier

16.2 Unbolt the A/C condenser from the CAC. See [Fig. 9](#).

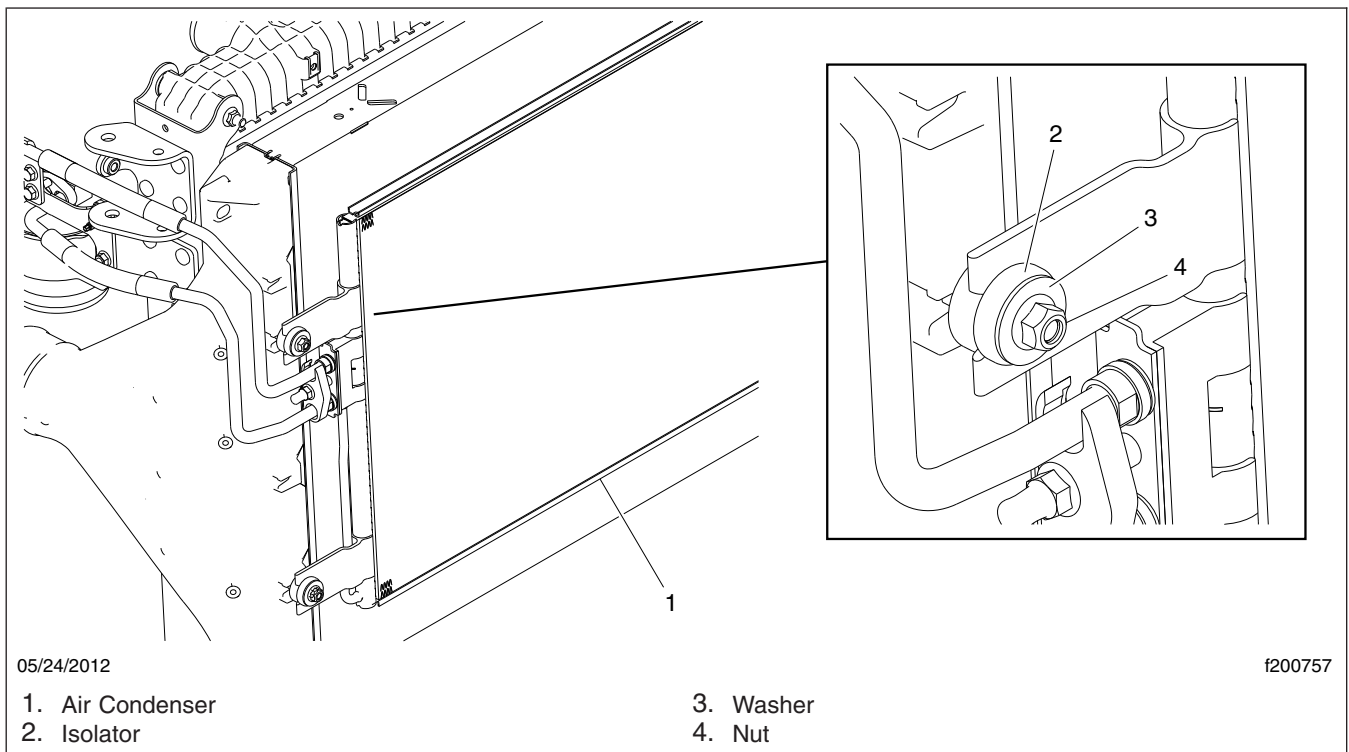


Fig. 9, A/C Condenser

NOTE: Wrap the condenser in cardboard to protect it while it is moved.

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16.3 Carefully move the condenser around and set it on the right front tire. Secure it as needed. See [Fig. 10](#).

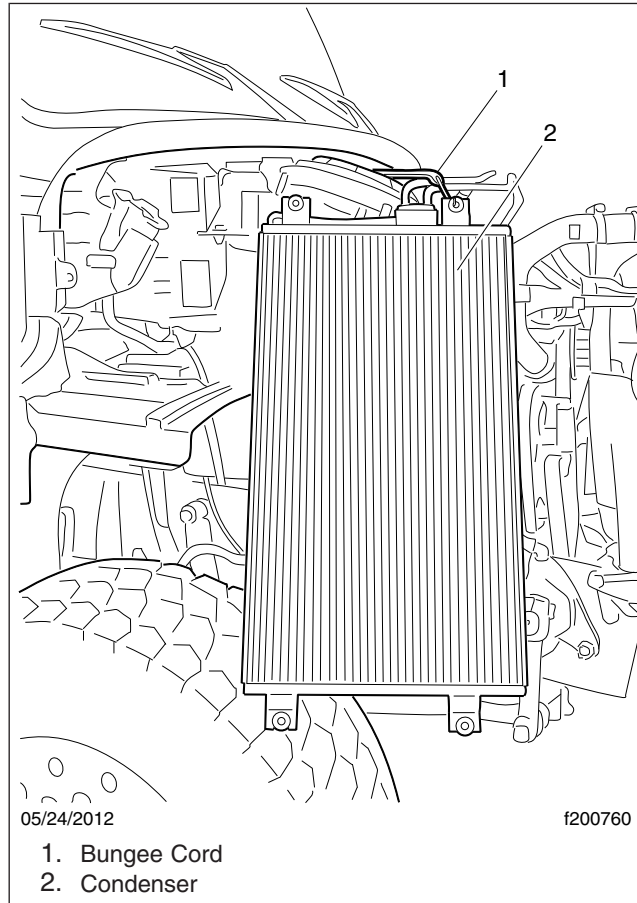


Fig. 10, Securing the A/C Condenser

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17. Unbolt the radiator from the lower mounts. See [Fig. 11](#).

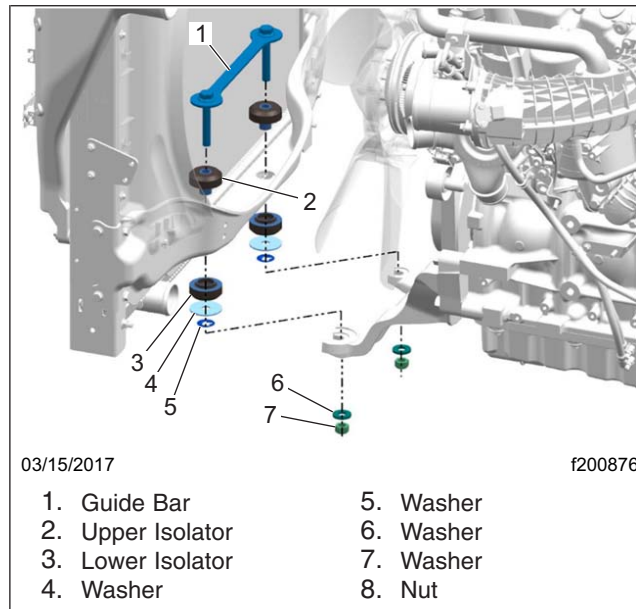


Fig. 11, Radiator Lower Mounts

18. Using an appropriate lifting device, remove the radiator from the truck.
19. Remove the lower radiator bracket.

Installation - Cooling System Components

1. Install the lower radiator bracket, tighten the fasteners 40 lbf·ft (54 N·m).
2. Install the radiator.
3. Tighten the radiator mounting nuts 182 to 223 lbf·ft (247 to 302 N·m).
4. Install the A/C condenser as follows:
 - 4.1 Move the condenser into position and secure it temporarily. See [Fig. 9](#).
 - 4.2 Position the receiver-drier and upper A/C line on their respective brackets, and install the mounting nuts. Tighten the nuts 14 to 16 lbf·ft (19 to 22 N·m). See [Fig. 8](#).
 - 4.3 Tighten the condenser mounting bolts 112 to 144 lbf·in (1266 to 1627 N·cm).
5. Apply sealant 48-00094-141 to the threads of the fasteners; then install the fan. Tighten the fasteners 30 lbf·ft (41 N·m).
6. Install the upper fan shroud. See [Fig. 7](#).
7. Install the upper radiator support.
8. Install the surge tank.
9. Connect the surge tank vent line. See [Fig. 3](#).

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10. Install the new hose clamp on the radiator inlet side to attach the upper radiator hose. See [Fig. 12](#) and [Fig. 13](#) for DD13 and DD16 engines respectively.

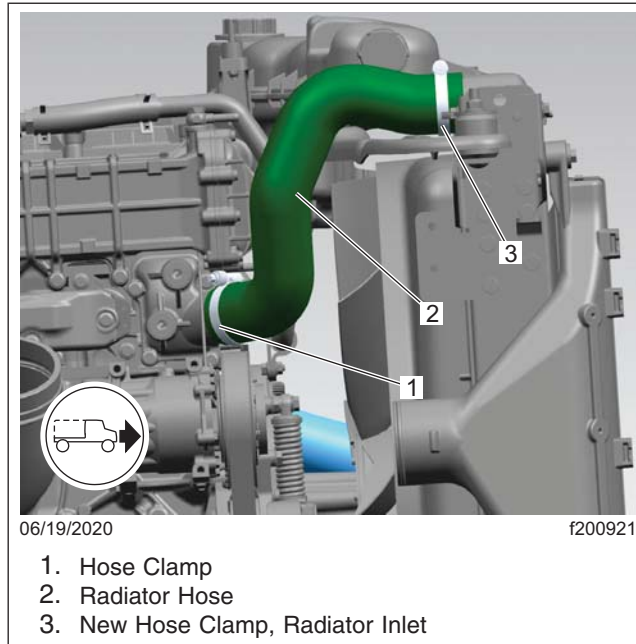


Fig. 12, For DD13 Engine

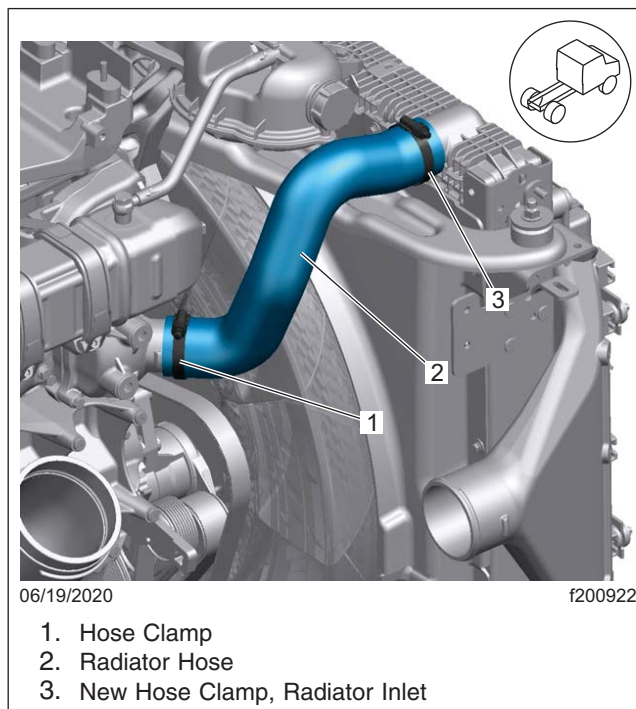


Fig. 13, For DD16 Engine

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11. Install the lower radiator hose. See **Fig. 6**.
12. Reconnect the transmission oil cooler lines (on applicable vehicles only).
13. Connect hood straps to the radiator.
14. Install the CAC hoses. See **Fig. 1** and **Fig. 2**.
15. Fill the coolant in the cooling system.
16. Install the bumper. For instructions, refer to **Section 31.02, Subject 100** of the *New Cascadia Workshop Manual*.
17. Fill the transmission fluid as required.
18. Clean a spot on the base label (Form WAR259) and attach a campaign completion sticker for SF607 (Form WAR261) indicating this work has been completed.