

Subject: Cascadia H04 A/C Lines

Models Affected: Specific Freightliner Cascadia vehicles with EPA10 engines manufactured August 28, 2008, through June 6, 2011.

General Information

Daimler Trucks North America LLC, on behalf of its Freightliner Trucks Division, is initiating Field Service Campaign SF455A to modify the vehicles mentioned above.

On certain vehicles, the H04 A/C line may split due to a tight bend in the line.

The A/C line will be replaced and the receiver-dryer will be replaced if necessary.

There are approximately 3,700 vehicles involved.

Additional Repairs

Dealers must complete all outstanding 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 kit number listed below from your facing Parts Distribution Center.

If our records show your dealership has ordered any vehicle(s) involved in campaign SF455A, a list of the customers and vehicle identification numbers will be available on AccessFreightliner.com. Please refer to this list when ordering parts for this campaign.

Field Service Campaign

Daimler Trucks
North America LLC

January 2012
SF455A

Table 1 - Replacement Parts for SF455A

Campaign Number	Kit Number	Part Description	Part Number	Qty. per Kit	Suggested Wholesale*
SF455A	25-SF455-000	HOSE-AC, H04,	A22-68540-000	1 ea	\$59.70 US \$59.15 CAN
		SEAL #8	23-13202-000	1 ea	
		SEAL #12	23-13204-000	1 ea	
		Completion Sticker	WAR261	1 ea	

* Please charge all Direct Warranty Customers the above-listed price for the kit, as they are authorized to perform their own Field Service Campaigns.

Table 1

Table 2 - Additional Replacement Parts for SF455A

NOTE: Order only if the A/C system lost complete charge prior to refrigerant recovery. It is estimated that only 20 percent or less of the receiver-dryers will need replacement. Please do not overstock.

Campaign Number	Kit Number	Part Description	Part Number	Qty. per Kit	Suggested Wholesale*
SF455A	25-SF455-001	RECEIVER DRYER-INBOA	A22-66700-000	1 ea	\$61.54 US \$60.92 CAN

* Please charge all Direct Warranty Customers the above-listed price for the kit, as they are authorized to perform their own Field Service Campaigns.

Table 2

Removed Parts

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

Labor Allowance

Table 3 - Labor Allowance

Campaign Number	Procedure	Time Allowed (hours)	SRT Code	Damage Code
SF455A	Inspect hose for new part number	0.1	996-0861C	000-Inspected
	Inspect and replace hose	1.2	996-0861A	000-Modifiedx
	Inspect and replace hose, replace receiver-dryer	1.3	996-0861B	000-Modifiedx

Table 3

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 labor, parts, and handling by submitting your claim through the Warranty system within 30 days of completing the campaign. Please reference the following information in QuickClaim:

- Claim type is **Field Service**.
- In the FTL Authorization field, enter the campaign number and appropriate condition code (**SF455A**).
- In the Primary Failed Part Number field, enter **25-SF455-000**.
- In the Parts field, enter the appropriate kit number(s) as shown in the Replacement Parts Tables. If refrigerant and/or refrigerant oil were needed, they may be claimed as follows:
 - If the HO4 line was replaced only:
 - **Refrigerant:** Up to \$9.00 may be claim in the Parts section of the claim in Quickclaim as "ZZ Refrigerant" or in OWL as part type "Other" and description "Refrigerant."
 - **Refrigerant Oil:** Up to \$10.00 may be claim in the Parts section of the claim in Quickclaim as "ZZ Refrigerant Oil" or in OWL as part type "Other" and description "Refrigerant Oil."
 - If the HO4 line and the receiver-dryer were replaced:
 - **Refrigerant:** Up to \$37.00 may be claim in the Parts section of the claim in Quickclaim as "ZZ Refrigerant" or in OWL as part type "Other" and description "Refrigerant."
 - **Refrigerant Oil:** Up to \$20.00 may be claim in the Parts section of the claim in Quickclaim as "ZZ Refrigerant Oil" or in OWL as part type "Other" and description "Refrigerant Oil."
- In the Labor field, first enter the appropriate SRT from the Labor Allowance Table. For administrative time, enter SRT 939-0010A for 0.3 hours.
- For OWL, the VMRS Component Code is 001-001-285 and the Cause Code is A1 - Campaign.

This Field Service Campaign will **terminate on January 31, 2013**. Dealers will be notified of any changes to the termination date via Important Campaign Information Letter posted on AccessFreightliner.com.

IMPORTANT: ServicePro 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. 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.)

Contact the Warranty Campaigns Department from 7:00 a.m. to 4:00 p.m. Pacific Time, Monday through Friday, via Web inquiry at AccessFreightliner.com / Support / Submit an Inquiry, or the Customer Assistance Center at (800) 385-4357, after normal business hours, if you have any questions or need additional information.

Field Service Campaign

Daimler Trucks
North America LLC

January 2012
SF455A

Copy of Notice to Owners

Subject: Cascadia H04 A/C Lines

Daimler Trucks North America LLC, on behalf of its Freightliner Trucks Division, is initiating Field Service Campaign SF455A to modify specific Freightliner Cascadia vehicles with EPA10 engines manufactured August 28, 2008, through June 6, 2011.

On certain vehicles, the H04 A/C line may split due to a tight bend in the line.

The A/C line will be replaced and the receiver-dryer will be replaced if necessary.

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, search online at www.Daimler-TrucksNorthAmerica.com. The campaign will take approximately one and a half hours and will be performed at no charge to you.

This Field Service Campaign will **terminate on January 31, 2013**. 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.

IMPORTANT: When the campaign has been completed on your vehicle, please ensure that a completion sticker has been affixed to your vehicle referencing **SF455**.

Contact the Warranty Campaigns Department at (800) 547-0712, from 7:00 a.m. to 4:00 p.m. Pacific Time, Monday through Friday, e-mail address DTNA.Warranty.Campaigns@Daimler.com, or the Customer Assistance Center at (800) 385-4357, after normal business hours, if you have any questions or need additional information.

WARRANTY CAMPAIGNS DEPARTMENT

Enclosure

Work Instructions

Subject: Cascadia H04 A/C Lines

Models Affected: Specific Freightliner Cascadia vehicles with EPA10 engines manufactured August 28, 2008, through June 6, 2011.

Hose Inspection and Replacement

1. Check the base label (Form WAR259) for a completion sticker for SF455 (Form WAR261), indicating this work has been completed. The base label is usually located on the passenger-side door, about 12 inches (30 cm) below the door latch. If a completion sticker is present, no work is needed. If a completion sticker is not present, 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. Raise the hood.
4. Inspect the H04 line for part number A22-68540-000. If this part number is located on the H04 line, no further work is needed. Clean a spot on the base label (Form WAR259). Write the campaign number, SF455, on a blank grey completion sticker (Form WAR 261) to indicate the work has been completed and attach it to the base label.

If the hose has a different part number or a part number is not found, proceed to the next step.

WARNING

Use care to prevent refrigerant from touching your skin or eyes because liquid refrigerant, when exposed to the air, quickly evaporates and will freeze skin or eye tissue. Serious injury or blindness could result if you come in contact with liquid refrigerant.

5. Begin recovery of the refrigerant from the air conditioning system. For instructions, see **Group 83** of the *Cascadia Workshop Manual*.

NOTICE

Under no circumstances should the ports on the compressor or the refrigerant lines remain uncapped for longer than five minutes. Do not blow shop air through refrigerant lines since shop air is wet (humid). Water and dirt can damage the refrigerant system.

6. After the refrigerant has been fully recovered, disconnect the H04 line from the J-block and the receiver-dryer. See **Fig. 1**.
7. If the system lost complete charge prior to this procedure, replace the receiver-dryer as follows in this step.
If the system did not lose complete charge, proceed to step 8.
 - 7.1 Remove the mounting bracket fasteners, then remove the receiver-dryer. See **Fig. 1**.
 - 7.2 Position the new receiver-dryer, and install the mounting fasteners. Tighten 112 lbf·in (1266 N·cm).
8. Inspect all refrigerant lines and ports during assembly. The sealing surfaces must be clean and free of nicks, gasket residue, and other foreign material. Replace the seals on all connections that were loosened during the procedure (H01, H03, and H04).

Field Service Campaign

Daimler Trucks
North America LLC

January 2012
SF455A

NOTE: Do not lubricate the new seals prior to installation.

9. Position the new H04 line, and using new seals, connect the line at the J-block and the receiver-dryer. See **Fig. 1**.
10. Using new seals, connect the H03 line to the receiver-dryer. See **Fig. 1**.

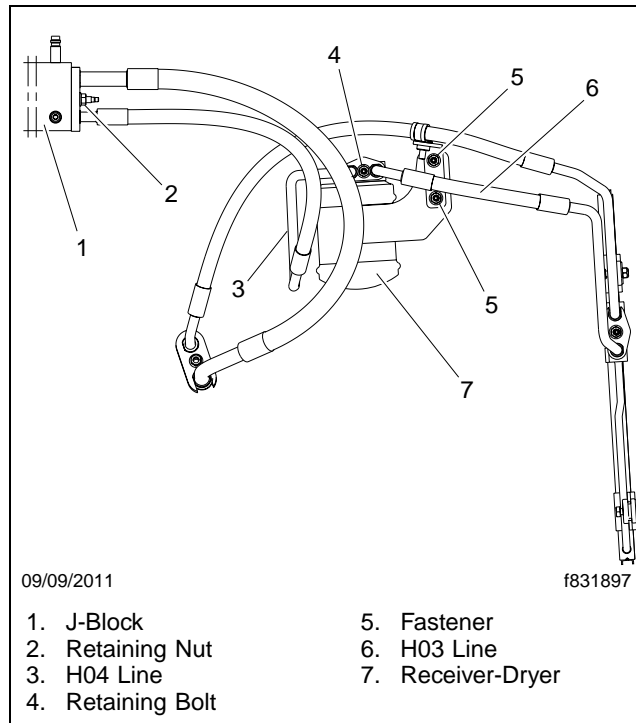


Fig. 1, A/C Line Installation

11. Tighten the fasteners on the receiver-dryer and J-block retaining plates 11 to 15 lbf-ft (15 to 20 N-m).
12. Drill a hole in the bottom of the removed receiver-dryer and drain the oil from it into an empty container. Measure the amount of oil recovered to determine how much to add back into the system.

NOTE: Use only ND-8 PAG oil (available as DII LA4469630040 from Freightliner) for all systems using Denso A/C compressors, and SP-20 PAG for all systems using Sanden A/C compressors.

13. Add refrigerant oil to the system to replace that which was lost when the receiver-dryer was replaced, and when the system was recovered. See **Group 83** of the *Cascadia Workshop Manual* for instructions.
14. Evacuate and charge the air conditioning system with refrigerant. For instructions, see **Group 83** of the *Cascadia Workshop Manual*.

NOTE: Use an approved refrigerant leak detector to confirm all the connections affected during the service are sealed equal to or better than the design specifications. For instructions, see **Group 83** of the *Cascadia Workshop Manual*.

15. Close the hood.
16. Clean a spot on the base label (Form WAR259), and attach a completion sticker for SF455 (Form WAR 261) to the base label.