Subject: Detroit Engine Fan HVAC Integration

Models Affected: Specific model years 2023-2024 Freightliner 114SD, and Business Class M2 vehicles, manufactured August 18, 2022, through July 31, 2023.

General Information

Daimler Truck North America LLC (DTNA), on behalf of its Freightliner Trucks Division, is initiating Field Service Campaign SF683 to modify the vehicles mentioned above.

On certain vehicles, the engine fan is not activating with A/C request or the A/C compressor runs continuously.

The Central Gateway (CGW) module parameters will be updated, and some vehicles will also update the Single Signal Activation Module (SSAM) parameters.

There are approximately 650 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

No replacement parts are required for this repair.

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.

Labor Allowance

Table 1 - Labor Allowance

Campaign Number	Procedure	Time Allowed (hours)	SRT Code	Corrective Action
SF683A	Update the CGW and SSAM parameters	0.4	996-F207A	12-Repair Recall/Campaign
SF683B	Update the CGW parameter	0.3	996-F207B	12-Repair Recall/Campaign

Table 1

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 (**SF683-A or SF683-B**).
- In the Primary Failed Part field, enter **25-SF683-000**.
- No replacement parts required.
- 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 February 28, 2025** . Dealers will be notified of any changes to the termination date via an Important Campaign Information Letter (ICI) posted on the DTNA Portal.

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.

For questions, U.S. and Canadian dealers, contact the Warranty Campaigns Department using the Warranty Support Center (WSC) app located on the DTNA Portal. Export distributors submit a WSC inquiry or contact your International Service Manager.

Copy of Notice to Owners

Subject: Detroit Engine Fan HVAC Integration

Daimler Truck North America LLC (DTNA), on behalf of its Freightliner Trucks Division, is initiating Field Service Campaign SF683 to modify specific model years 2023-2024 Freightliner 114SD, and Business Class M2 vehicles, manufactured August 18, 2022, through July 31, 2023.

On certain vehicles, the engine fan is not activating with A/C request or the A/C compressor runs continuously.

The Central Gateway (CGW) module parameters will be updated, and some vehicles will also update the Single Signal Activation Module (SSAM) parameters.

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 **free of charge**. To locate an authorized dealer, search online at northamerica.daimlertruck.com/contact-us. Scroll down to “Locate a Dealer,” and select the appropriate brand.

This Field Service Campaign will **terminate on February 28, 2025**. 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, from 7 a.m. to 4 p.m. Pacific Time, Monday through Friday, e-mail address DTNA.Warranty.Campaigns@DaimlerTruck.com, or the Customer Assistance Center at (800) 385-4357, if you have any questions or need additional information.

WARRANTY CAMPAIGNS DEPARTMENT

Enclosure

Work Instructions

Subject: Detroit Engine Fan HVAC Integration

Models Affected: Specific model years 2023-2024 Freightliner 114SD, and Business Class M2 vehicles, manufactured August 18, 2022, through July 31, 2023.

Updating the Heating, Ventilating, and Air Conditioning (HVAC) Fan Parameter

1. Check the base label (Form WAR259) for a completion sticker for SF683 (Form WAR261), indicating this work has been done. 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. Open DiagnosticLink® prior to connecting to the vehicle.

IMPORTANT: Make sure that DiagnosticLink is updated to the latest version (8.18 SP1 at the time of publication, or newer) before programming the vehicle. To update DiagnosticLink, from the menu bar, select ‘Tools,’ then select ‘Update’ from the dropdown menu.

4. Connect an RP1210B-compliant vehicle diagnostic adaptor to the diagnostic connector on the vehicle.
5. Connect the other end of the RP1210B-compliant vehicle diagnostic adaptor to the laptop.

6. Ensure the ‘Single SAM (SSAM02T)’ and ‘Central Gateway (CGW04T)’ devices rollcall, and are visible in the ‘Connections’ panel, as shown in **Fig. 1**.

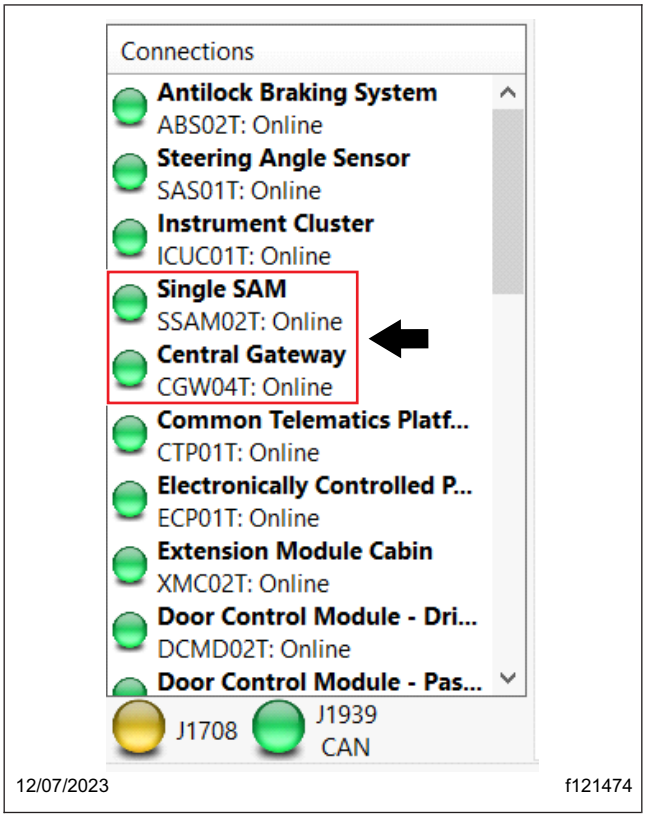
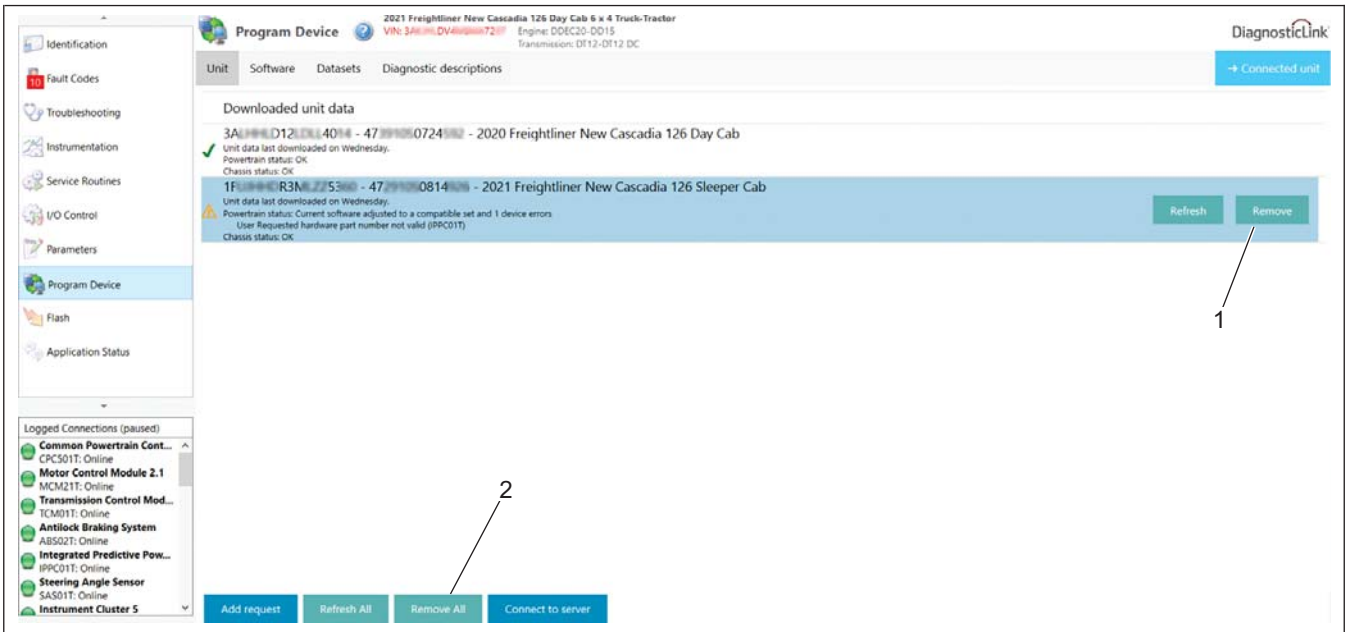


Fig. 1, SSAM02T and CGW04T Connected

7. Go to the ‘Program Device’ tab, and make sure that the vehicle identification number (VIN) that appears is correct.
   - If the VIN that appears is incorrect, remove each VIN by selecting the ‘Remove’ button on the right-hand side of that VIN. To remove all the VINs at once, select the ‘Remove All’ button at the bottom of the screen. See **Fig. 2**.
   - If the VIN is not automatically detected, select ‘Add request,’ then enter the VIN in the designated field. Select the device to be connected, then select ‘OK.’ See **Fig. 3** and **Fig. 4**.



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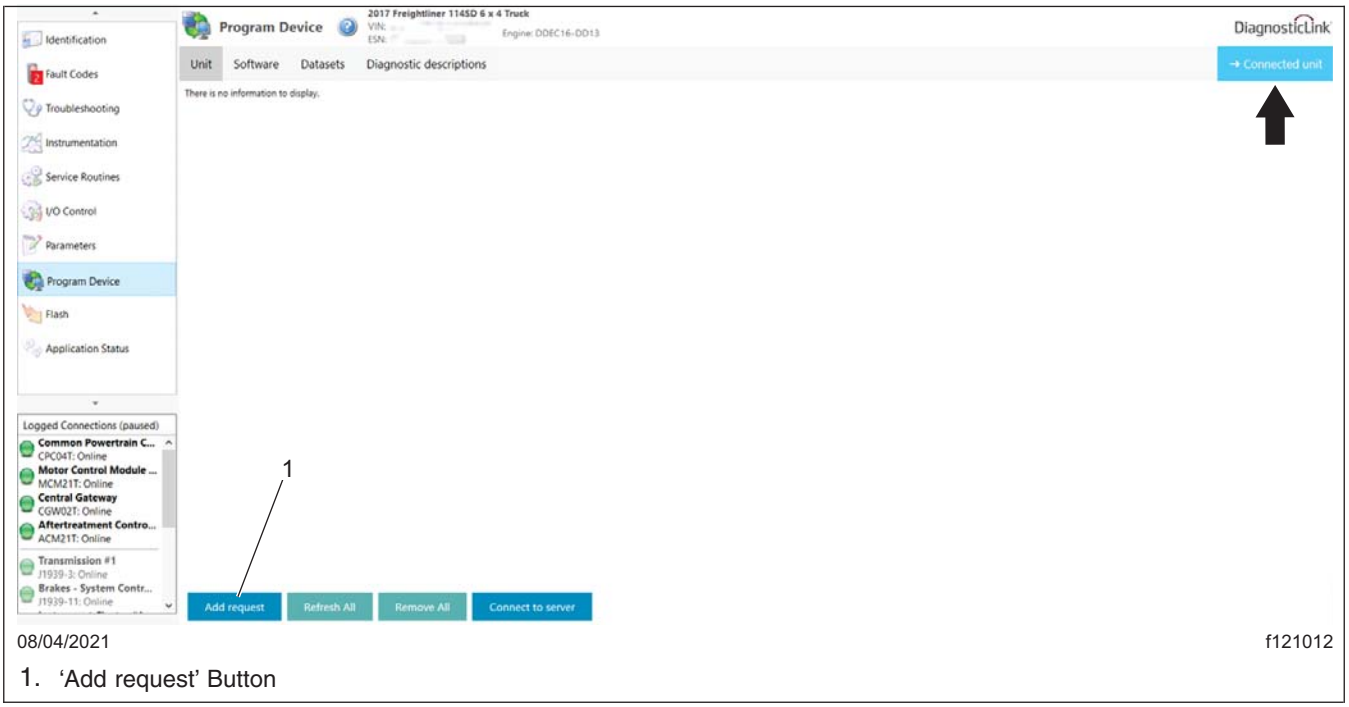
1. 'Remove' Button
2. 'Remove All' Button

Fig. 2, Removing the VINs



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1. 'Add request' Button

Fig. 3, Add Request and Connected Unit Button

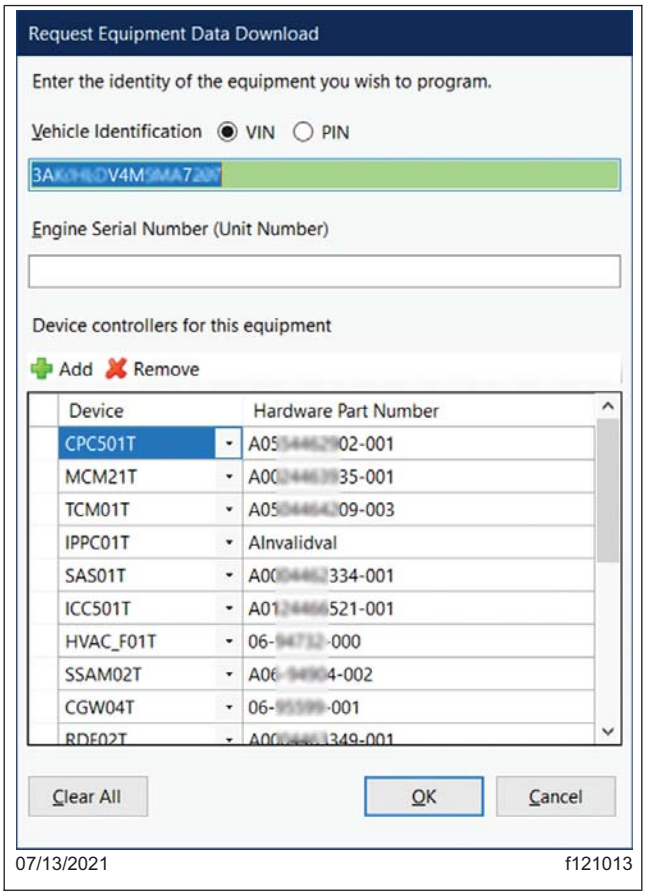


Fig. 4, Manually Connecting to DiagnosticLink

8. Select the ‘Connected unit’ panel, and make sure the VIN that now appears is correct.
9. Select ‘Download data from server’ at the bottom-left of the screen. See **Fig. 5**.

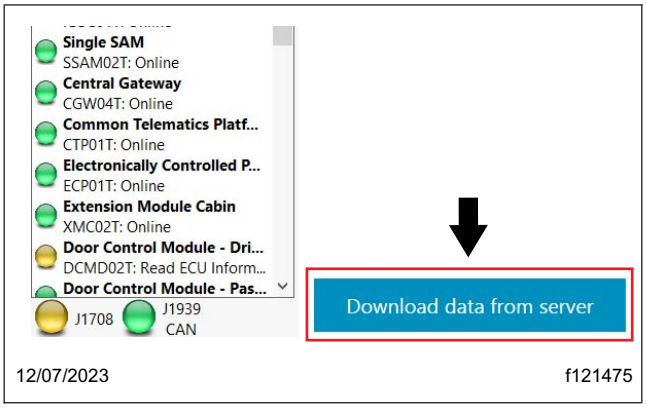
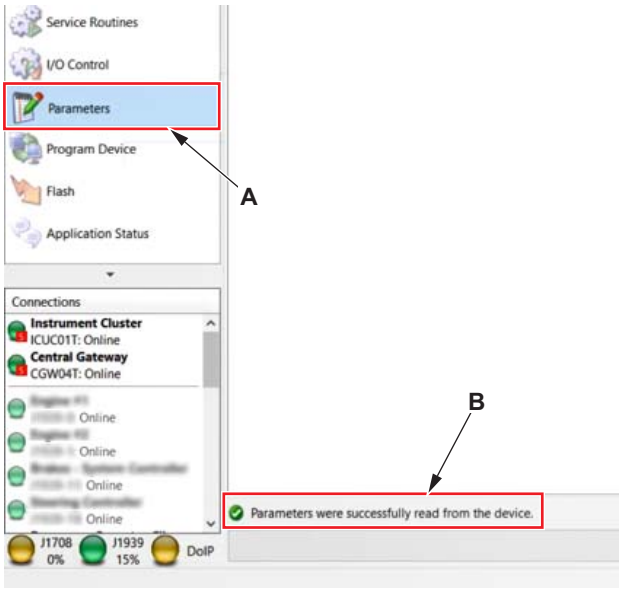


Fig. 5, Downloading the Data from the Server

10. Once the server data download is complete, go to the ‘Parameters’ tab. DiagnosticLink will read the parameters of the connected devices. Wait until the ‘Reading parameters’ bar indicates this process is complete. See **Fig. 6**.



A. Go to the ‘Parameters’ tab.
B. Wait until the parameters are read from the connected devices.

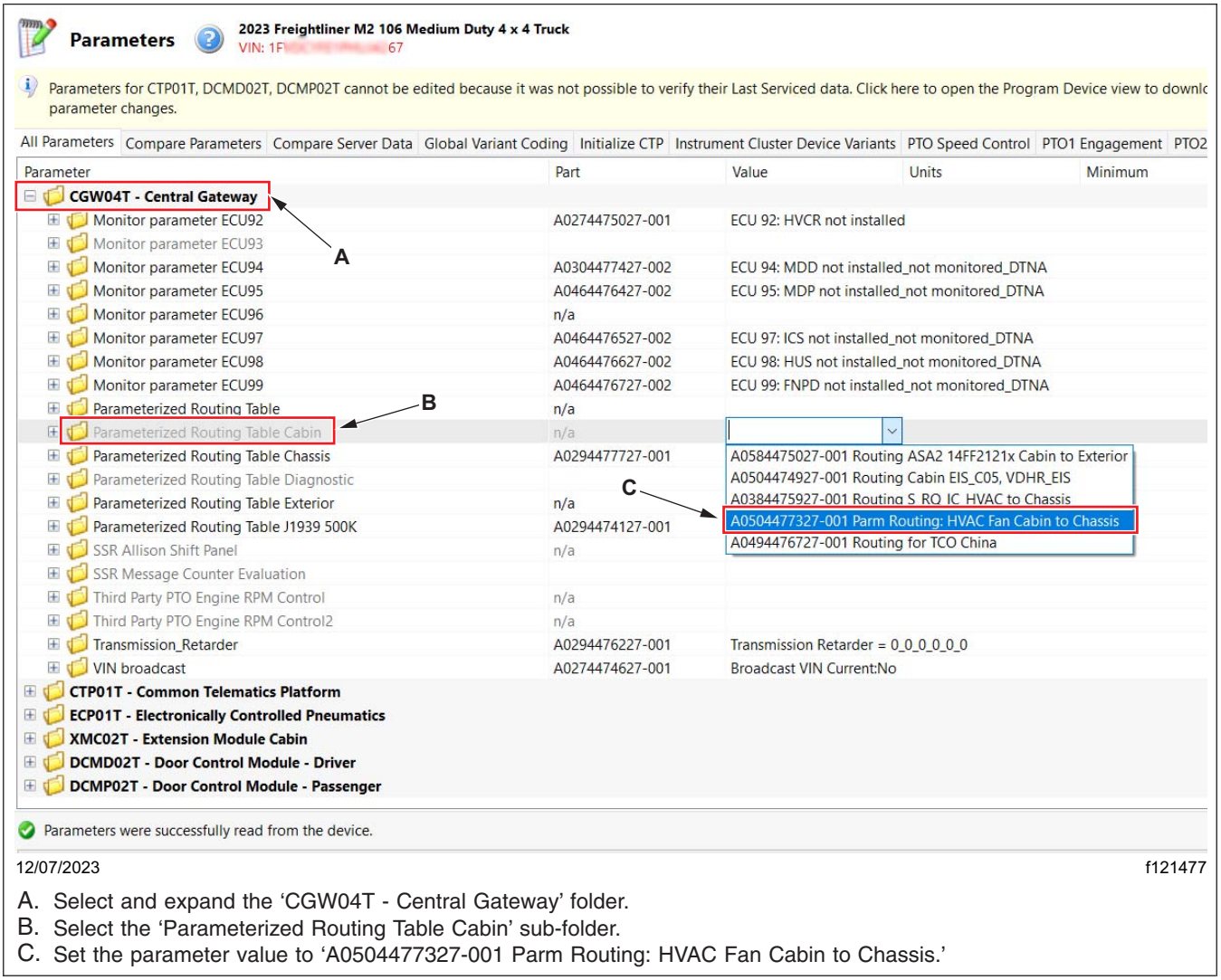
Fig. 6, Reading the Vehicle Parameters

NOTE: In some vehicles, the CGW parameter ‘A0504477327-001 Parm Routing: HVAC Fan Cabin to Chassis’ may have already been updated to what is shown in step 11. If the parameter is updated already, the ‘Send’ button appears inactive, and it is not required to upload the parameter to the server.

11. Follow the substeps to set the CGW04T parameter. See **Fig. 7**.

    11.1 Select and expand the ‘CGW04T - Central Gateway’ folder, then select the ‘Parameterized Routing Table Cabin’ sub-folder.

    11.2 Set the parameter value to ‘A0504477327-001 Parm Routing: HVAC Fan Cabin to Chassis.’



A. Select and expand the ‘CGW04T - Central Gateway’ folder.
B. Select the ‘Parameterized Routing Table Cabin’ sub-folder.
C. Set the parameter value to ‘A0504477327-001 Parm Routing: HVAC Fan Cabin to Chassis.’

Fig. 7, Setting the CGW04T Parameter

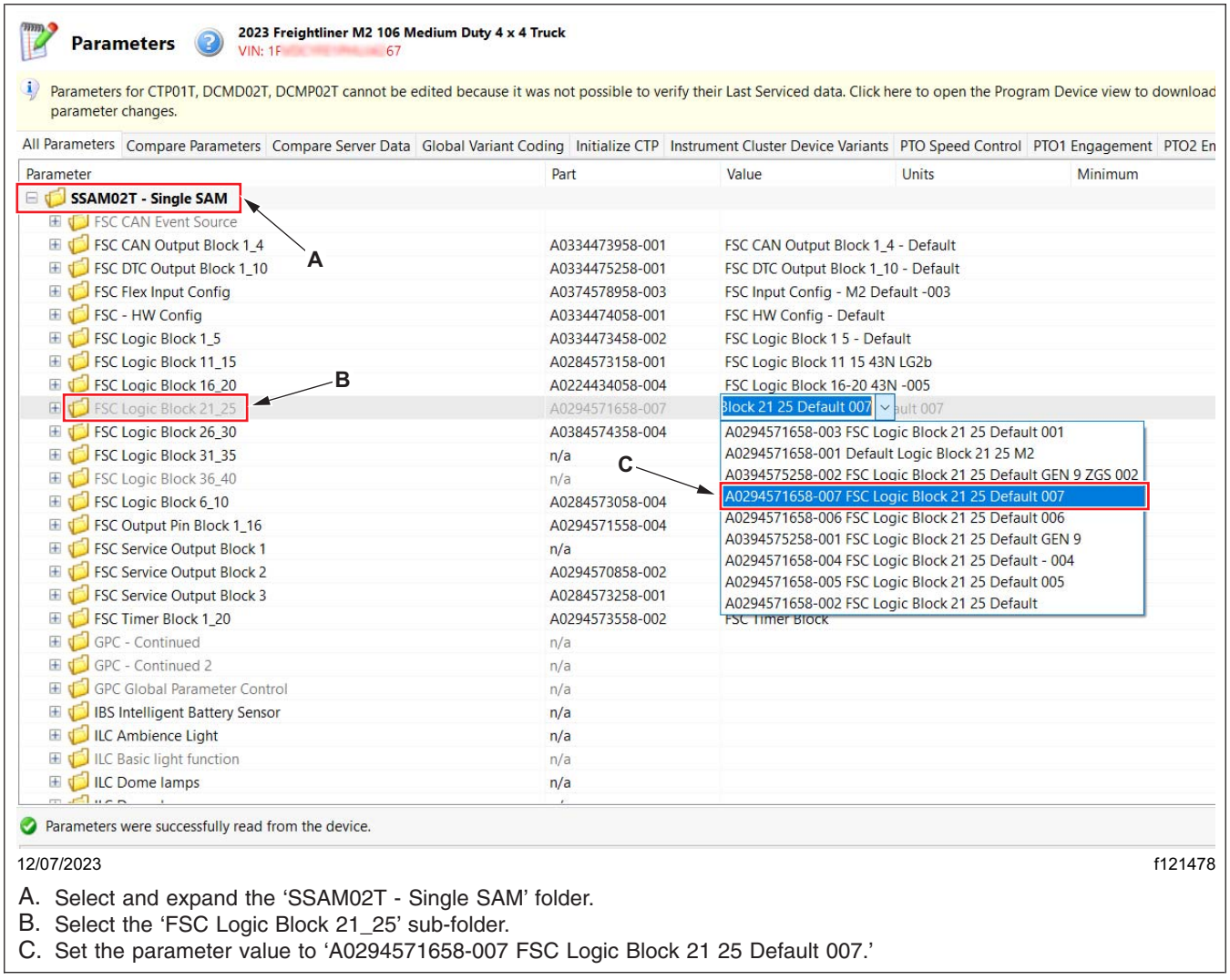
IMPORTANT: For vehicles in SF683A, one more parameter update is needed, continue with step 12. For vehicles in SF683B, skip step 12, and go to step 13.

NOTE: In some vehicles, the SSAM parameter ‘A0294571658-007 FSC Logic Block 21 25 Default 007’ may have already been updated to what is shown in step 12. If the parameter is updated already, the ‘Send’ button appears inactive, and it is not required to upload the parameter to the server.

12. Follow the substeps to set the SSAM02T parameter. See **Fig. 8**.

    12.1 Select and expand the ‘SSAM02T - Single SAM’ folder, then select the ‘FSC Logic Block 21_25’ sub-folder.

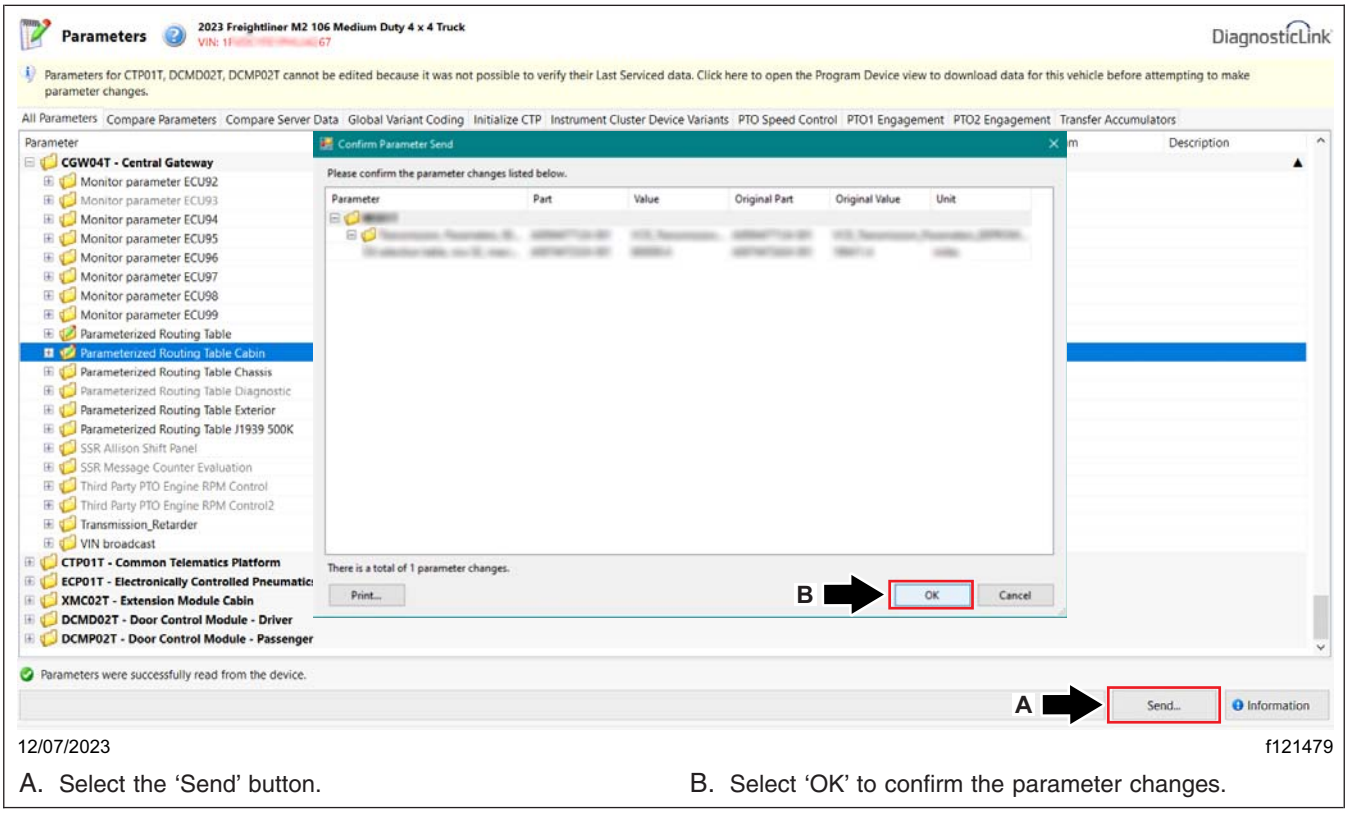
    12.2 Set the parameter value to ‘A0294571658-007 FSC Logic Block 21 25 Default 007.’



A. Select and expand the ‘SSAM02T - Single SAM’ folder.
B. Select the ‘FSC Logic Block 21_25’ sub-folder.
C. Set the parameter value to ‘A0294571658-007 FSC Logic Block 21 25 Default 007.’

Fig. 8, Setting the SSAM02T Parameter

13. Select the ‘Send’ button to write the parameter changes to the vehicle. A window will open asking to confirm the parameter changes. Select ‘OK.’ See **Fig. 9**.



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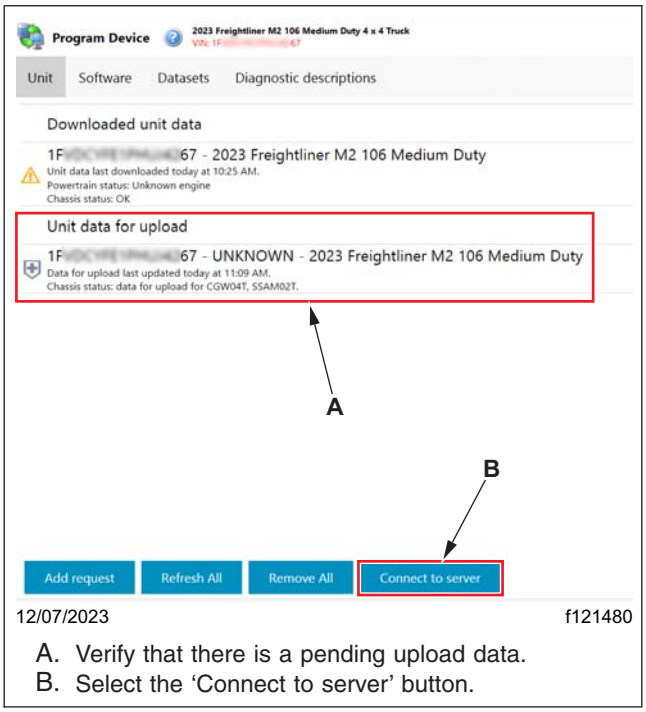
A. Select the ‘Send’ button.

B. Select ‘OK’ to confirm the parameter changes.

Fig. 9, Writing the Parameter Changes to the Vehicle

14. Once the parameter change is complete, go to the ‘Program Device’ tab, and verify there is a pending upload data visible under the ‘Unit data for upload’ panel, as shown in **Fig. 10**.
    - If there is a pending upload data → Select ‘Connect to Server’ to upload the parameter updates to the server.



A. Verify that there is a pending upload data.
B. Select the ‘Connect to server’ button.

Fig. 10, Uploading the Parameter Updates to the Server

    - If there is no pending upload data → Go to the ‘Parameters’ tab, and select the ‘Refresh’ button. Verify the parameter value is correctly set, as instructed in steps 11 and 12. Go to the ‘Program Device’ tab again, and make sure the pending upload data is visible under the ‘Unit data for upload’ panel. Select ‘Connect to Server’ to upload the parameter updates to the server.
15. Once the parameter updates are uploaded to the server, disconnect the vehicle from DiagnosticLink.
16. Clean a spot on the base label (Form WAR259), and attach a campaign completion sticker for SF683 (Form WAR261), indicating this work has been completed.