

May 2022
SF653A-D

Subject: Western Star 49X SRR Overwrite Sensor Mounting Data Update

Models Affected: Specific model years 2021-2022 Western Star 49X model vehicles manufactured February 10, 2020, through August 12, 2021.

General Information

Daimler Truck North America LLC (DTNA), on behalf of its wholly owned subsidiary, Western Star Truck Sales, Inc., is initiating Field Service Campaign SF653 to modify the vehicles mentioned above.

On certain vehicles, the Short Range Radar (SRR) sensor, located on the passenger side, contains incorrect mounting position parameters. Incorrect mounting position parameters may cause early warning of passenger side objects.

The SRR sensor will be updated with the correct parameters.

There are approximately 112 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

There are no replacement parts for this repair.

If our records show your dealership has ordered any vehicle(s) involved in campaign number SF653, a list of the customers and vehicle identification numbers will be available on DTNAConnect.

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 |
|-----------------|--|----------------------|-----------|---------------------------|
| SF653A-D | Update side radar mounting position parameters | 0.3 | 996-F123A | 12-Repair Recall/Campaign |

Table 1

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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 (**SF653-A, SF653-B, etc.**).
- In the Primary Failed Part field, enter **25-SF653-000**.
- There are no replacement parts for this repair.
- 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 May 31, 2023**. Dealers will be notified of any changes to the termination date via Important Campaign Information Letter posted on DTNAConnect.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 DTNAConnect.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: Western Star 49X SRR Overwrite Sensor Mounting Data Update

Daimler Truck North America LLC (DTNA), on behalf of its wholly owned subsidiary, Western Star Truck Sales, Inc., is initiating Field Service Campaign SF653A-D to modify specific model years 2021-2022 Western Star 49X model vehicles manufactured February 10, 2020, through August 12, 2021.

On certain vehicles, the Short Range Radar (SRR) sensor, located on the passenger side, contains incorrect mounting position parameters. Incorrect mounting position parameters may cause early warning of passenger side objects.

The SRR sensor will be updated with the correct 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 at no charge to you. 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 May 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, 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

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Work Instructions

Subject: Western Star 49X SRR Overwrite Sensor Mounting Data Update

Models Affected: Specific model years 2021-2022 Western Star 49X model vehicles manufactured February 10, 2020, through August 12, 2021.

Side Radar Parameter Update

1. Check the base label (Form WAR259) for an SF653 completion sticker (Form WAR261) indicating this work has been done. The base label is usually located on the passenger door about 12 inches (30 cm) below the door latch. If a sticker is present, no work is needed. If there is no sticker, proceed with the next step.
2. Park the vehicle on a level surface, shut down the engine, and set the parking brake. Chock the tires.

IMPORTANT: Make sure that DiagnosticLink® is updated to the latest version (8.15 at the time of publication, or newer) before programming the vehicle.

3. Open DiagnosticLink prior to connecting to the vehicle.
4. Connect the vehicle to DiagnosticLink. Ensure the SRRR01T (short range radar right) ECU rollcalls, and is visible in the 'Connections' window. See [Fig. 1](#).

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The screenshot displays the DiagnosticLink software interface. At the top, there is a menu bar with options: File, Edit, View, Log, Parameters, Actions, Tools, Help. Below the menu is a toolbar with various icons for navigation and actions. The main window is titled "Program Device" and shows the following information:

- Vehicle: 2022 Freightliner New Cascadia 126 Sleeper Cab 6 x 4 Trunk Tractor
- VIN: 3ALJHCHD22DP12195
- Transmission: 0712-0712 DC
- ESN: 4729-224875738
- Engine: 3306L20-0019

A yellow warning banner states: "The connected vehicle contains chassis devices with incompatible software versions. You will need to update these control devices using Program Device. C".

Below the banner, there are three tabs: "Gather server data" (selected), "Select operation", and "Program device".

The main content area displays "Downloaded unit data for connected unit" for unit "3A-111111-R8-123456789-95-47-123456789-39-20". It notes that the unit data was last downloaded today at 9:43 AM. The status is "Powertrain status: 1 device errors" and "Chassis status: 3 device errors". A warning icon is present next to the chassis status. The errors listed are:

- Unknown warning (9000) (9PFC01T)
- VD00012E - Assembly does not exist for ECU 06-1599-001 and flashware item A010448927 zgs 012 (CGW04T)
- VD00012E - Assembly does not exist for ECU A010448927 and flashware item A010448927 zgs 001 (VRDU02T)
- VD00012E - Assembly does not exist for ECU A6-15724-001 and flashware item A010448927 zgs 001 (XMC02T)

At the bottom left, there is a "Connections" panel listing several modules:

- Common Telematics Plat... (CTP01T: Online)
- Multi Purpose Camera 2 (MPC02T: Online)
- Adaptive Power Steering 2 (APS301T: Online)
- Side Radar (SRRR01T: Online) - This entry is highlighted with a red box and a black arrow pointing to it.
- Maintenance System (MS01T: Online)
- Extension Module Cabin (XMC02T: Online)
- Video Radar Decision Unit 2

At the bottom of the interface, there are two buttons: "Next" and "Refresh data from server". The date "03/18/2022" is displayed in the bottom left corner, and the ID "f121143" is in the bottom right corner.

Fig. 1, SRRR01T Connected

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- Go to 'Program Device,' and make sure that the vehicle identification number (VIN) that appears is correct. Then select 'Download data from server.' See **Fig. 2**.

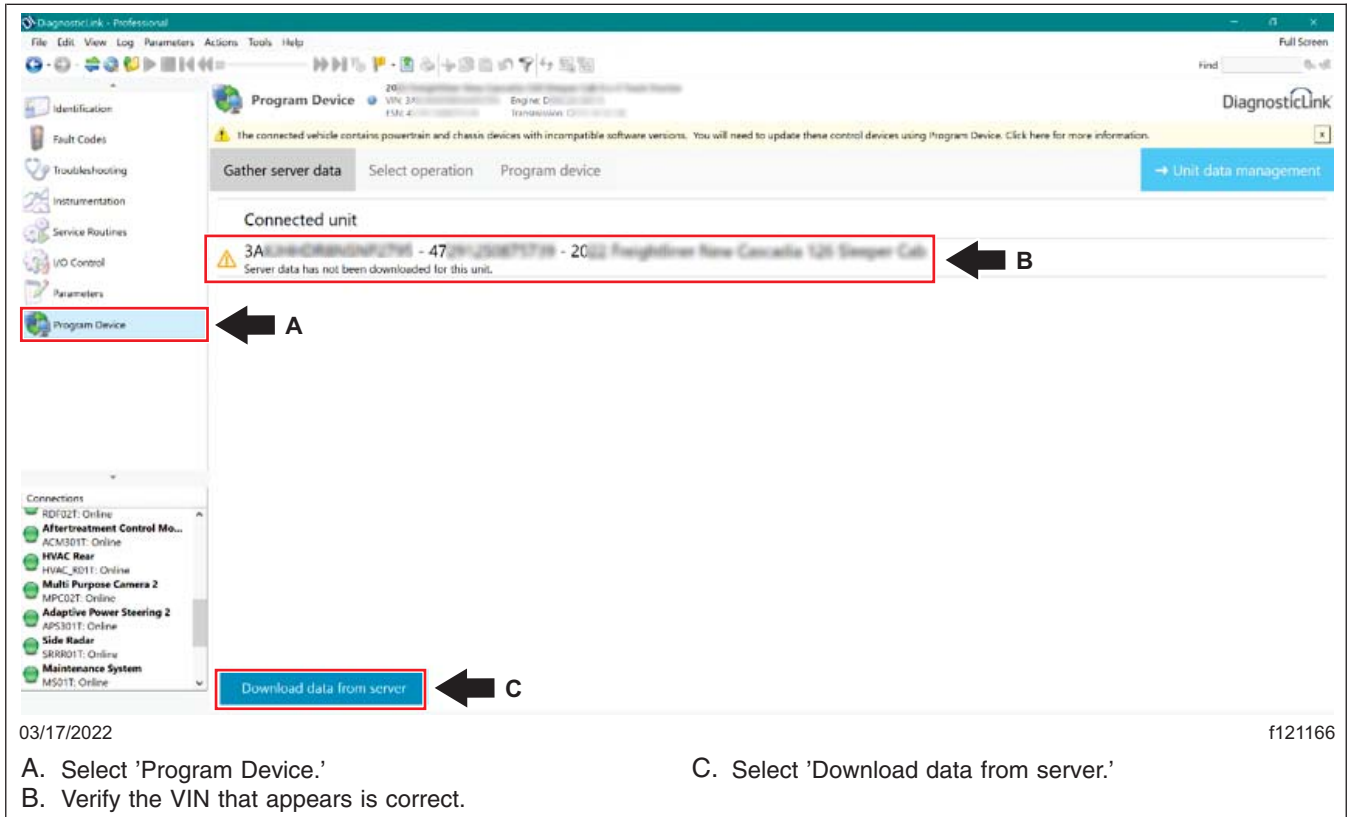


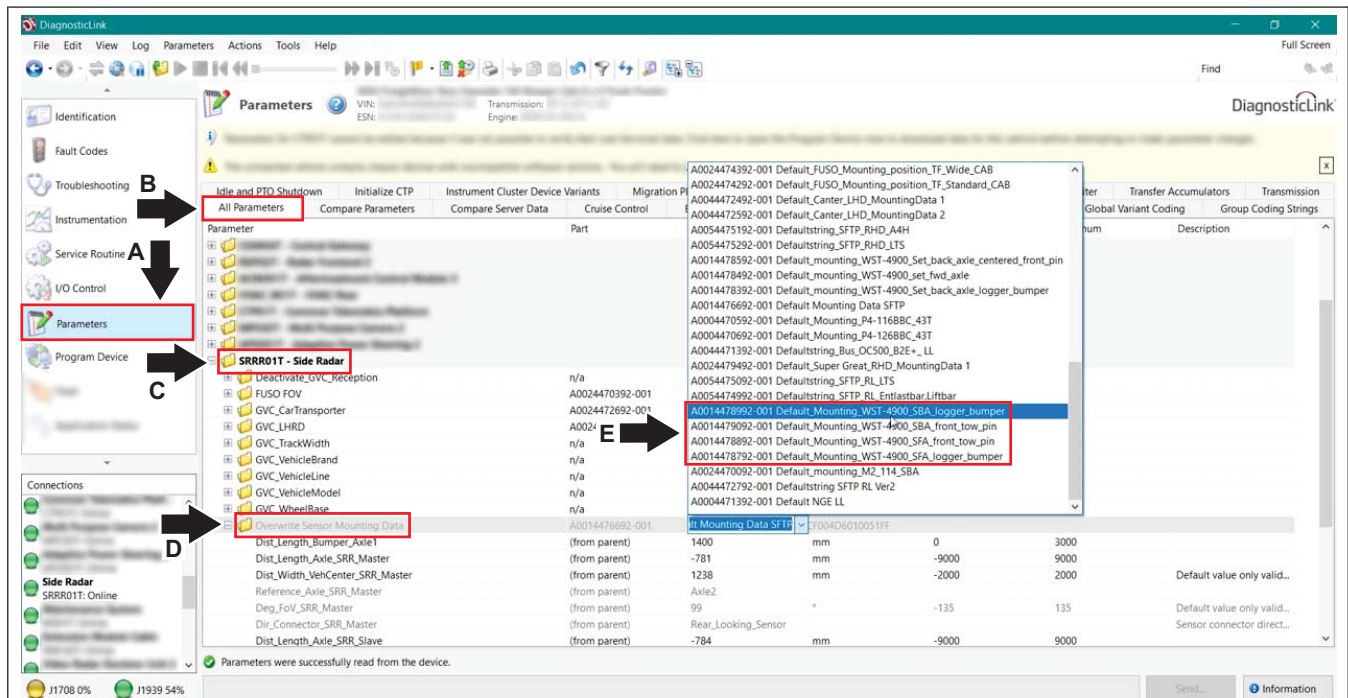
Fig. 2, Downloading Data from the Server

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- After the server data download is complete, go to the 'Parameters' tab. In the 'All Parameters' tab, go to 'SRRR01T – Side Radar' folder, then select the 'Overwrite Sensor Mounting Data' parameter. Set the parameter value for the applicable campaign population shown in **Table 2**. See **Fig. 3**.

| SRRR01T Overwrite Sensor Mounting Data Parameter Values | |
|---|---|
| Campaign Group | SRRR01T 'Overwrite Sensor Mounting Data' Parameter Setting |
| SF653A | A0014478792-001 Default_Mounting_WST 4900_SFA_Logger_bumper |
| SF653B | A0014478892-001 Default_Mounting_WST 4900_SFA_front_tow_pin |
| SF653C | A0014478992-001 Default_Mounting_WST 4900_SBA_Logger_bumper |
| SF653D | A0014479092-001 Default_Mounting_WST 4900_SBA_front_tow_pin |

Table 2, SRRR01T Overwrite Sensor Mounting Data Parameter Values



03/18/2022

f121144

- Go to the 'Parameters' tab.
- Select 'All Parameters.'
- Go to 'SRRR01T – Side Radar' folder.
- Select 'Overwrite Sensor Mounting Data' parameter.
- Set the parameter value according to the vehicle population.

Fig. 3, Setting Parameter Overwrite Sensor Mounting Data

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- Select the 'Send' button to write the parameter changes to the SRRR01T ECU in the vehicle. A window will open asking to confirm the parameter change. Select 'OK.' See Fig. 4.

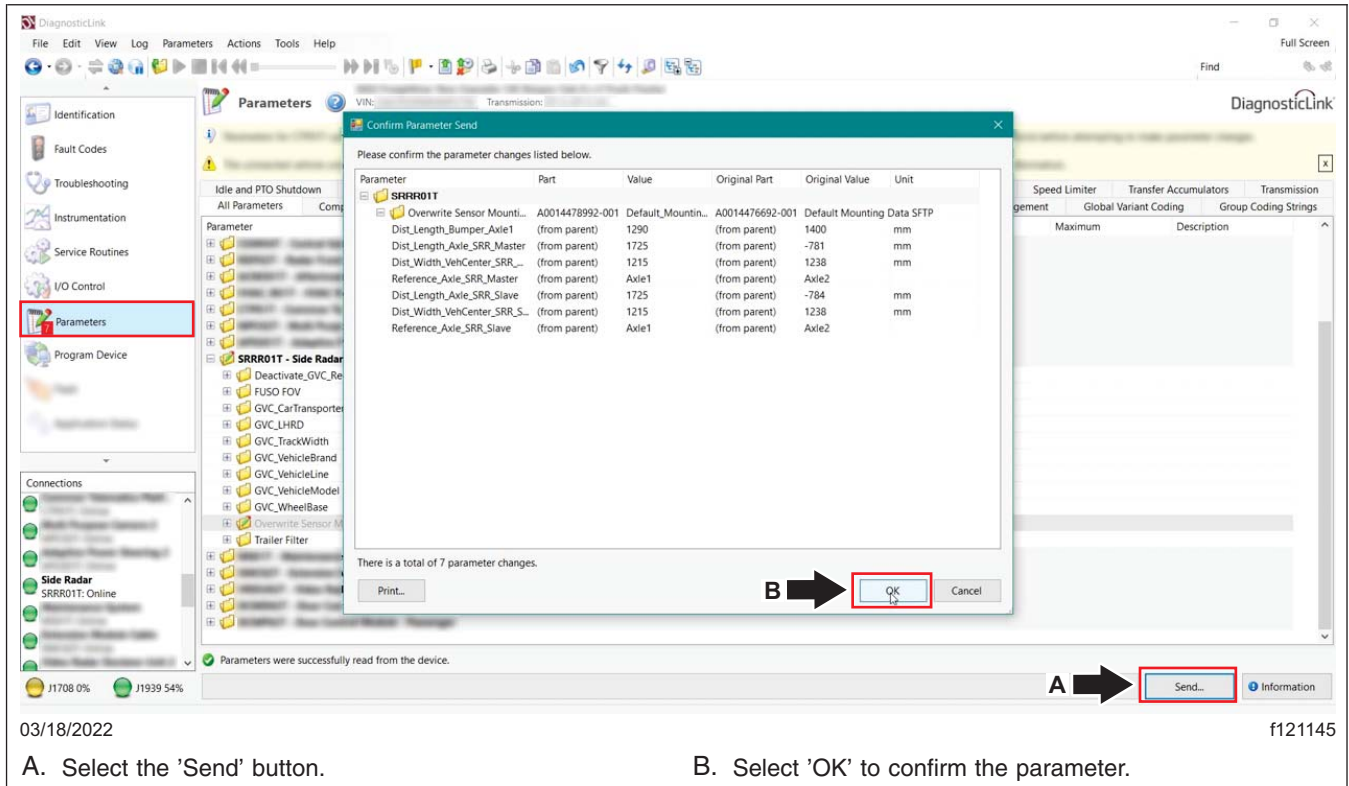


Fig. 4, Selecting the Send Button and Confirming Parameter Send

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8. Once the parameter write is complete, go to the 'Program Device' tab. Then select 'Unit data management' in the upper right corner. See [Fig. 5](#).

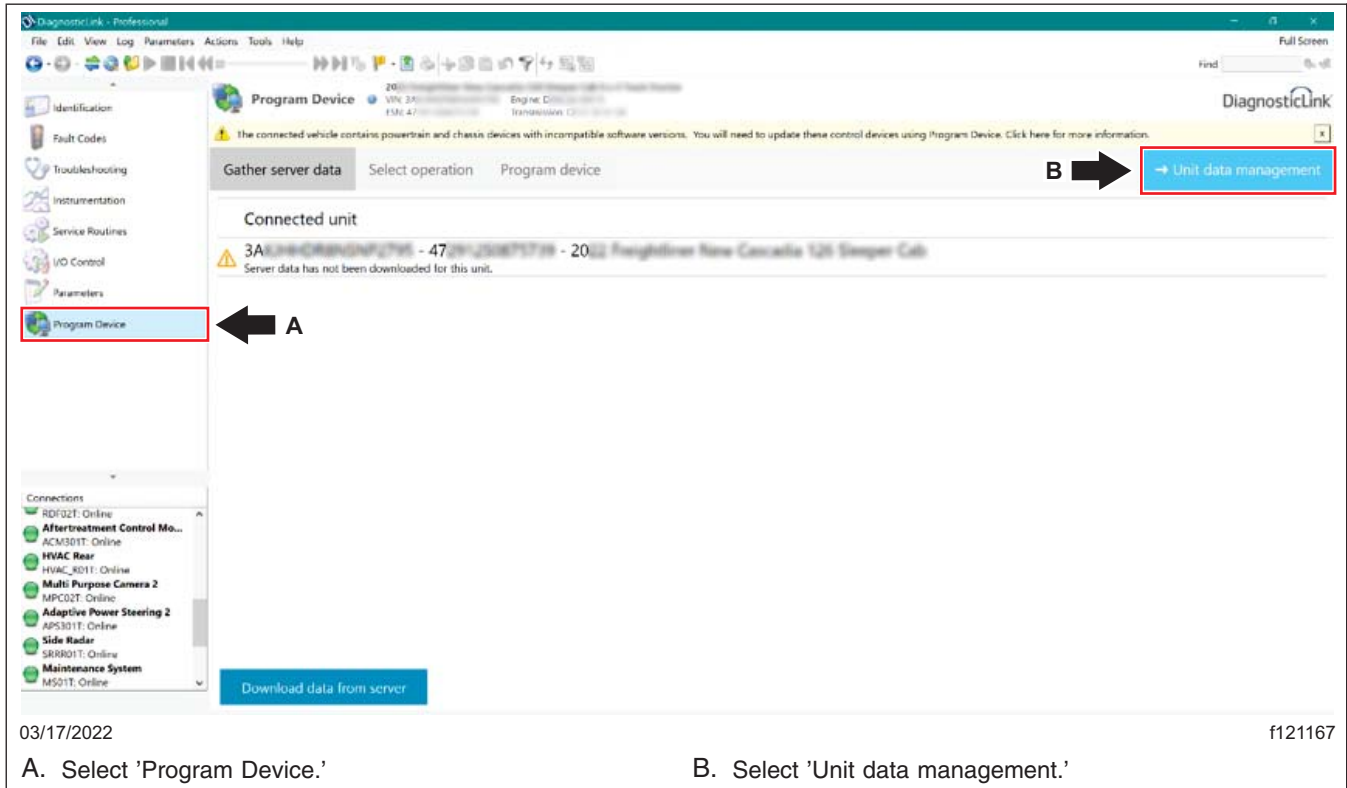


Fig. 5, Selecting Unit Data Management

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- The information corresponding to the VIN should appear under 'Unit data for upload.' Select 'Connect to server' to upload the new parameters. See [Fig. 6](#).

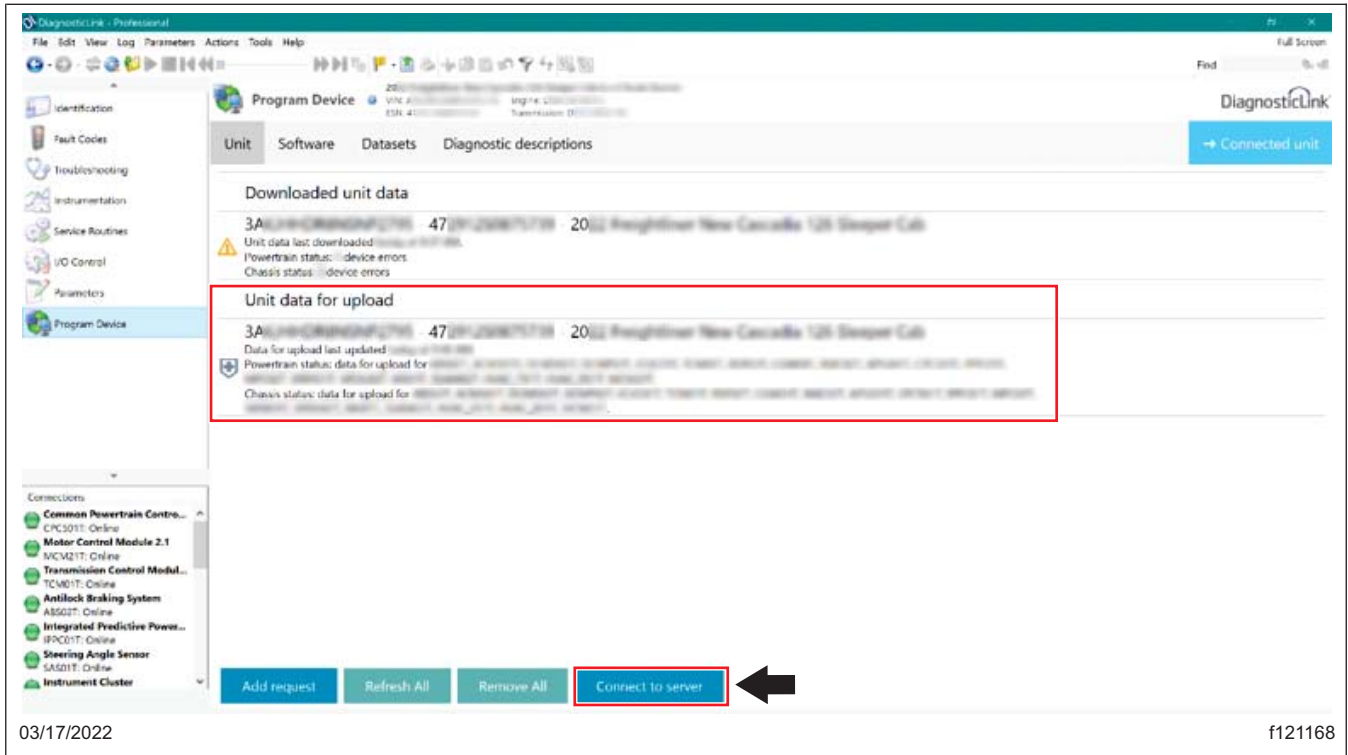


Fig. 6, Uploading the New Parameters

- Once the parameter updates are uploaded to the server, disconnect the vehicle from DiagnosticLink.
- Clean a spot on the base label (Form WAR259), write the campaign number, SF653, on a blank gray completion sticker (Form WAR261), and attach it to the base label, indicating this work has been completed.