

June 2023
SF670A-B

Subject: Heated Fuel Water Separator

Models Affected: Specific model years 2022-2023 Freightliner 108SD, 114SD, and Business Class M2 vehicles manufactured November 16, 2021, through April 29, 2022.

General Information

Daimler Truck North America LLC (DTNA), on behalf of its Freightliner Trucks Division, is initiating Field Service Campaign SF670 to modify the vehicles mentioned above.

Certain units were equipped with a low chassis control module, which is unable to power the heated fuel water separator.

A DTNA authorized service location will install, program, and activate a complete-content chassis control module.

There are approximately 1,582 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 number listed below from your facing Parts Distribution Center.

If our records show your dealership has ordered any vehicle(s) involved in campaign number SF670, a list of the customers and vehicle identification numbers will be available on DTNA Portal. Please refer to this list when ordering parts for this campaign.

Table 1 - Replacement Parts for SF670

Campaign Number	Part Description	Part Number	Qty
SF670A-B	MDL CHM,V5.00,HW 2.A1	A66-19809-000	1 ea
	BLANK COMPLETION STICKER	WAR261	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.

June 2023
SF670A-B

Labor Allowance

Table 2 - Labor Allowance

Campaign Number	Procedure	Time Allowed (hours)	SRT Code	Corrective Action
SF670A	Inspect for Low Chassis Control Module	0.2	996-F155A	06-Inspect
SF670B	Install, program, and activate Full Chassis Module	1.2	996-F155B	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 (**SF670A** or **SF670B**).
- In the Primary Failed Part field, enter **25-SF670-000**.
- In the Parts section, enter the appropriate part number 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 June 30, 2024**. Dealers will be notified of any changes to the termination date via an Important Campaign Information Letter 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. 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 DTNA Portal/WSC, if you have any questions or need additional information. Export distributors submit a Web inquiry or contact your International Service Manager.

June 2023
SF670A-B

Copy of Notice to Owners

Subject: Heated Fuel Water Separator

Daimler Truck North America LLC (DTNA), on behalf of its Freightliner Truck Division, is initiating Field Service Campaign SF670A-B to modify specific years 2022-2023 Freightliner 108SD, 114SD, and Business Class M2 vehicles manufactured November 16, 2021, through April 29, 2022.

Certain units were equipped with a low-chassis control Module, which is unable to power the heated fuel water separator.

A DTNA authorized service location will install, program, and activate a complete-content chassis control module.

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 1.5 hours 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 June 30, 2024**. 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

June 2023
SF670A-B

Work Instructions

Subject: Heated Fuel Water Separator

Models Affected: Specific model years 2022-2023 Freightliner 108SD, 114SD, and Business Class M2 vehicles manufactured November 16, 2021, through April 29, 2022.

Chassis Module Part Number Inspection

1. Check the base label (Form WAR259) for a completion sticker for SF670 (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. Locate the label on the chassis module (CHM), as shown in [Fig. 1](#). Check the CHM part number.

Does the CHM part number match **A66-28524-000**?

YES → Go to **Chassis Module Replacement**.

NO → No further work is required. Clean a spot on the base label (Form WAR259), and attach a campaign completion sticker for SF670 (Form WAR261), indicating this work has been completed.

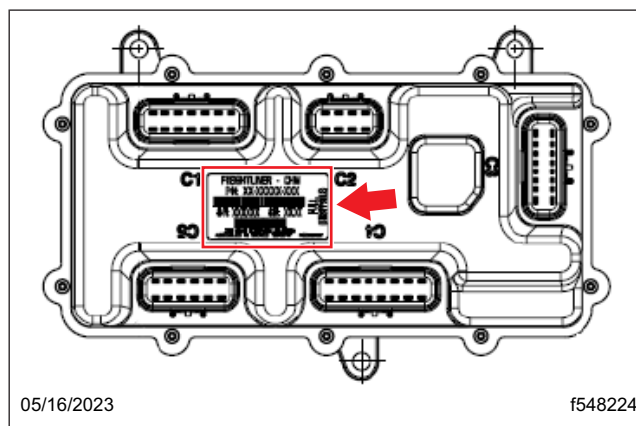


Fig. 1, CHM Label Location

June 2023
SF670A-B

Chassis Module Replacement

1. Remove the wiring connectors from the chassis module (CHM).

NOTE: The CHM is mounted to a bracket on the outboard side of the left-hand frame rail, behind the left-hand front splash shield. See [Fig. 2](#).

2. Remove the CHM from the mounting bracket. For instructions, see **Group 54** of the applicable workshop manual.

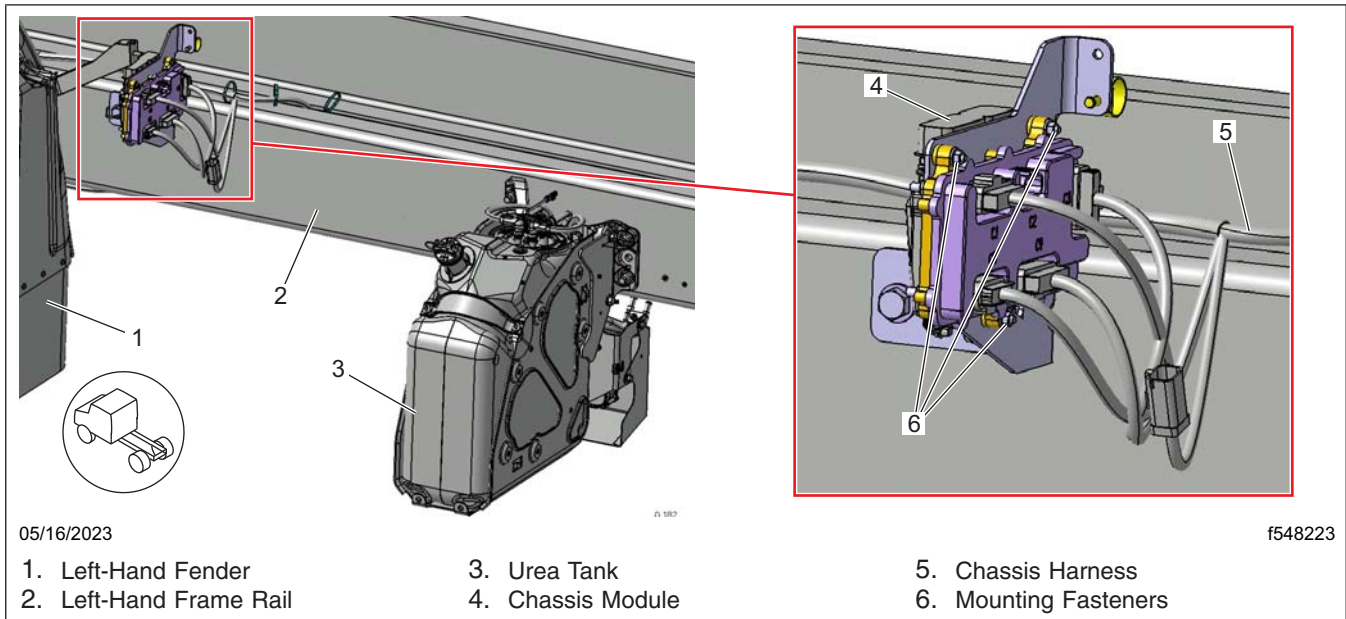


Fig. 2, CHM Mounting Location

3. Install the new full content CHM (A66-19809-000) on the mounting bracket, and install the wiring connectors.
4. Program the correct bulkhead module (BHM) parameter to enable the fuel water separator heater circuit. See the procedure below for detailed instructions.

Setting the Bulkhead Module Fuel Water Separator Heater Parameter

1. Connect an RP1210B-compliant vehicle diagnostic adaptor to the diagnostic connector on the vehicle.
2. Connect the other end of the RP1210B-compliant vehicle diagnostic adaptor to the laptop.
3. Turn the ignition switch to the ON position.
4. Open DiagnosticLink®.

IMPORTANT: Make sure that DiagnosticLink is updated to the latest version (8.17 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.

5. Make sure the 'Bulkhead Module (BHM_L)' rollcalls, and is visible in the 'Connections' panel.
6. Go to the 'Parameters' tab. DiagnosticLink will read the parameters of the connected ECU. Wait until the 'Reading parameters' bar indicates this process is complete.

June 2023
SF670A-B

- Go to the 'BHM Feature Configuration' tab, and from the dropdown next to the 'Vehicle' field, select the vehicle identification number (VIN) of the connected vehicle. If the VIN of the connected vehicle is not visible in the dropdown menu, manually enter the VIN in the designated field. See [Fig. 3](#).

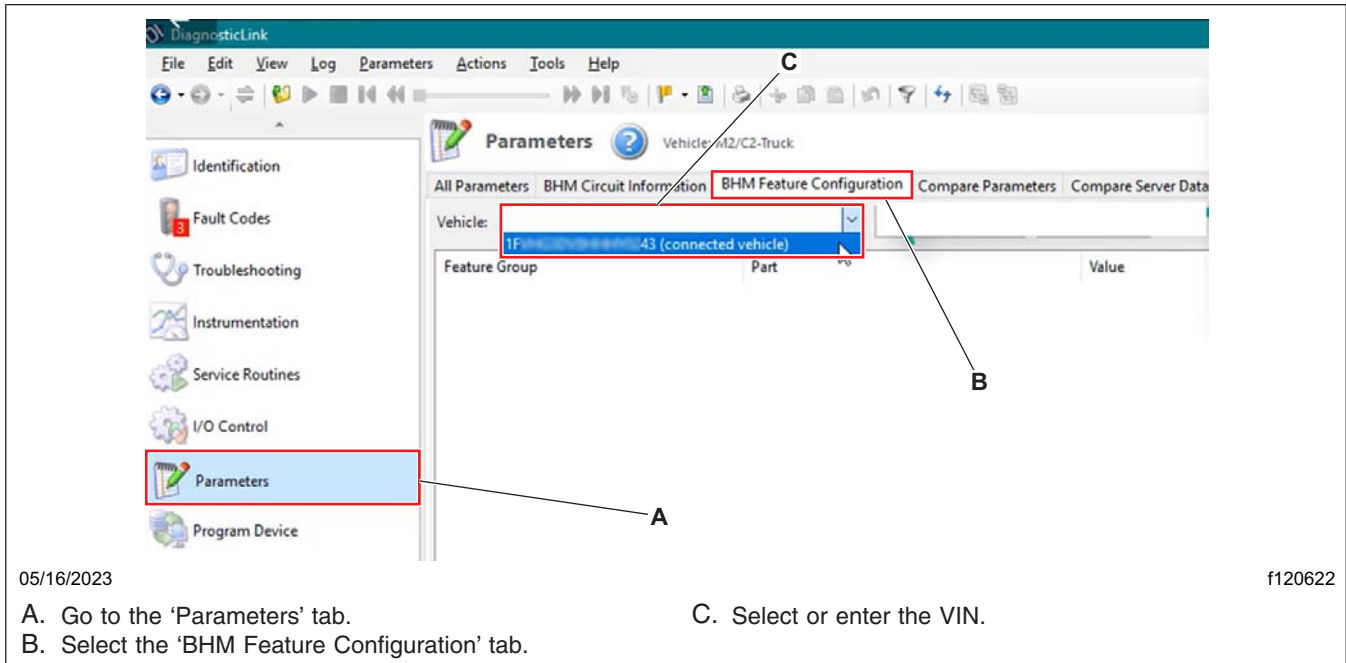


Fig. 3, Connecting to the Vehicle by Selecting/Entering the VIN

- Select the 'Request Vehicle' button to receive the latest parameters from the server. See [Fig. 4](#).

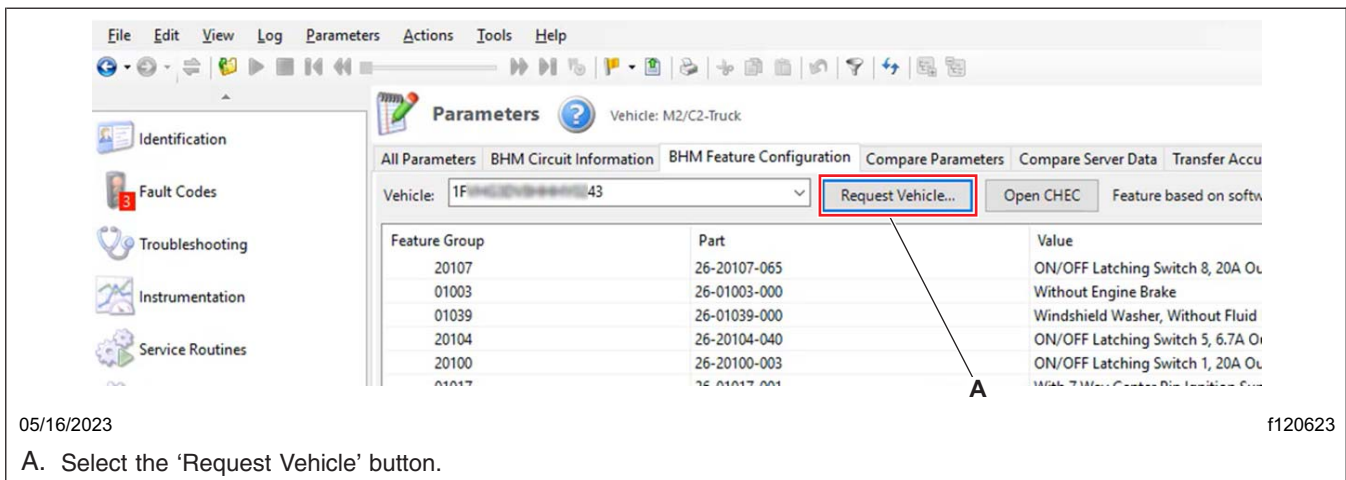


Fig. 4, Receiving the Latest Parameters from the Server

NOTE: Parameter 26-01002-014 may or may not already be applied to the vehicle.

June 2023
SF670A-B

- Enter the parameter part number '26-01002-014' in the 'Part Number' field that appears at the bottom of the screen. Select the 'Add Part #' button. See Fig. 5.

Verify that the requested parameter part number '26-01002-014' is added to the parameter feature group list, with the status showing as 'Pending.' See Fig. 5.

Feature Group	Part	Value	Status
01077	26-01077-046	Headlamps, Without DRLs, Low beams off with high beams	
01015	26-01015-000	Power Distribution Configuration	
01020	26-01020-014	With Combo Step/Turn Lamps	
20100	26-20100-117	ON/OFF Latching Switch 1, 20A Output 1 w/ Engine Running	
20104	26-20104-040	ON/OFF Latching Switch 5, 6.7A Output 5	Pending
01047	26-01047-000	With Electric Horn	
20500	26-20500-000	Room Out Smart Indicator, No Content	
20108	26-20108-072	ON/OFF Latching Switch 9, 6.0A Output 9	
01007	26-01007-011	Start Enable, Allison Trans, ETC	
01001	26-01001-000	Without 'No Charge' Indicator Lamp	
20107	26-20107-065	ON/OFF Latching Switch 8, 20A Output 8	
01039	26-01039-000	Windshield Washer, Without Fluid Level Sensor	
01017	26-01017-001	With 7 Way Center Pin Ignition Supply	
01042	26-01042-002	Without HVAC, Clutch Timer	
20106	26-20106-056	ON/OFF Latching Switch 7, 6.7A Output 7	
20501	26-20501-041	Outgrg Dpdyd Smart Ind + Audible Warning, SHM Input 4.5,6 w/ PB or Neut Fault	
20109	26-20109-080	ON/OFF Latching Switch 10, 6.7A Output 10	
01010	26-01010-001	Without Air Filter Restriction Indicator Lamp	
01005	26-01005-000	Not Multiplexed, Engine Block Heater	
01009	26-01009-005	Diagnostics, Baseline	
01013	26-01013-000	MBE Engine	
01014	26-01014-000	Not Multiplexed, Cigar Lighter	
01016	26-01016-000	Not Multiplexed, Battery Cables and Isolators	
01019	26-01019-001	With Marker Interrupt Switch (Smart Switch)	
01021	26-01021-000	Without Fog or Road Lamps	
01026	26-01026-007	Dome Lamps, 1 minute door open timeout	
01038	26-01038-000	Not Multiplexed, Window Power	
01045	26-01045-001	Backup Lights, P1939 From Trans (Selected Gear)	
01052	26-01052-000	Not Multiplexed, Audio System	
01061	26-01061-000	Dash Panel Lamp Wiring	
01062	26-01062-001	Not Multiplexed, Engine Cruise Control	
01063	26-01063-000	Not Multiplexed, Electric Fuel Gauge	
01080	26-01080-004	Baseline Parameter version 7.41	
01085	26-01085-000	Regen Request, SSD 117	

05/16/2023 f120624

A. Enter the parameter part number.
B. Select 'Add Part #.'
C. Verify that the status changes to 'Pending.'

Fig. 5, Adding the Parameter

June 2023
SF670A-B

- The parameter change must be uploaded to the server before programming the BHM. Select the 'Request Changes' button. See Fig. 6.

The screenshot shows the DiagnosticLink Parameters window for a vehicle. The main area displays a table of parameters with columns for Feature Group, Part, Value, and Status. The 'Request Changes...' button is highlighted with a red box and labeled 'A'.

Feature Group	Part	Value	Status
01077	26-01077-046	Headlamps, Without DRIs, Low beams off with high beams	
01015	26-01015-000	Power Distribution Configuration	
01020	26-01020-014	With Combo Stop/Turn Lamps	
20100	26-20100-117	ON/OFF Latching Switch 1, 20A Output 1 w/ Engine Running	Pending
20104	26-20104-040	ON/OFF Latching Switch 5, 6.7A Output 5	
01047	26-01047-000	With Electric Horn	
20500	26-20500-000	Beem Out Smart Indicator, No Content	
01007	26-01007-011	Start Enable Allison Trans, ETC7	Pending
01001	26-01001-000	Without 'No Charge' Indicator Lamp	
20107	26-20107-065	ON/OFF Latching Switch 8, 20A Output 8	
01039	26-01039-000	Windshield Washer, Without Fluid Level Sensor	
01017	26-01017-001	With 7 Way Center Pin Ignition Supply	
01042	26-01042-002	Without HVAC Clutch Timer	
20106	26-20106-056	ON/OFF Latching Switch 7, 6.7A Output 7	
20501	26-20501-041	Outgr/ Dplyd Smart Ind + Audible Warning, SHM Input 4.5,6 w/ PB or Neut Fault	
20109	26-20109-080	ON/OFF Latching Switch 10, 6.7A Output 10	
01010	26-01010-001	Without Air Filter Restriction Indicator Lamp	
01025	26-01025-000	Not Multiplexed, Engine Block Heater	
01009	26-01009-005	Diagnostics, Baseline	
01013	26-01013-000	MBE Engine	
01014	26-01014-000	Not Multiplexed, Cigar Lighter	
01016	26-01016-000	Not Multiplexed, Battery Cables and Isolators	
01019	26-01019-001	With Marker Interrupt Switch (Smart Switch)	
01021	26-01021-000	Without Fog or Road Lamps	
01026	26-01026-007	Dome Lamps, 1 minute door open timeout	
01038	26-01038-000	Not Multiplexed, Window Power	
01045	26-01045-001	Backup Lights, P1939 From Trans (Selected Gear)	
01062	26-01062-000	Not Multiplexed, Audio System	
01061	26-01061-000	Dash Panel Lamp Wiring	
01062	26-01062-001	Not Multiplexed, Engine Cruise Control	
01063	26-01063-000	Not Multiplexed, Electric Fuel Gauge	
01080	26-01080-004	Baseline Parameter version 7.41	
01085	26-01085-000	Regen Request, SSD 117	

05/16/2023 f120625

A. Select the 'Request Changes' button.

Fig. 6, Requesting Changes

June 2023
SF670A-B

- The parameter status changes to 'Valid,' and a 'Download' pop-up window appears. Select 'Yes' to proceed. The requested parameter (26-01002-014) is added to the 'Newest' parameter feature group list. See Fig. 7 and Fig. 8.

The screenshot shows the DiagnosticLink interface with a table of parameters. A dialog box titled 'Download?' is open, asking for confirmation to download programming data. Red boxes labeled 'A' and 'B' point to the 'Valid' status of a parameter and the 'Yes' button in the dialog, respectively.

Feature Group	Part	Value	Status
01077	26-01077-046	Headlamps, Without DRLs, Low beams off with high beams	Valid
01015	26-01015-000	Power Distribution Configuration	Valid
01020	26-01020-014	With Combo Stop/Turn Lamps	Valid
20100	26-20100-117	ON/OFF Latching Switch 1, 20A Output 1 w/ Engine Running	Valid
20104	26-20104-040	ON/OFF Latching Switch 5, 6.7A Output 5	Valid
01047	26-01047-000	With Electric Horn	Valid
20500	26-20500-000	Boom Out Smart Indicator, No Contest	Valid
01007	26-01007-011	ON/OFF Latching Switch 8, 20A Output 8	Valid
01001	26-01001-000	Start Enable, Allison Trans, ETC7	Valid
20107	26-20107-065	Without 'No Charge' Indicator Lamp	Valid
01039	26-01039-000	ON/OFF Latching Switch 8, 20A Output 8	Valid
01017	26-01017-001	Without Fog or Road Lamps	Valid
01042	26-01042-002	Dome Lamps, 1 minute door open timeout	Valid
20106	26-20106-056	Not Multiplexed, Window Power	Valid
20501	26-20501-041	Backup Lights, J1939 From Trans (Selected Gear)	Valid
20109	26-20109-080	Not Multiplexed, Audio System	Valid
01010	26-01010-001	Dash Panel Lamp Wiring	Valid
01005	26-01005-000	Not Multiplexed, Engine Cruise Control	Valid
01009	26-01009-005	Not Multiplexed, Electric Fuel Gauge	Valid
01013	26-01013-000	Baseline Parameter version 7.41	Valid
01014	26-01014-000	Regen Request, SSD 117	Valid
01016	26-01016-000		Valid
01019	26-01019-001		Valid
01021	26-01021-000		Valid
01026	26-01026-007		Valid
01038	26-01038-000		Valid
01045	26-01045-001		Valid
01052	26-01052-000		Valid
01061	26-01061-000		Valid
01062	26-01062-001		Valid
01063	26-01063-000		Valid
01080	26-01080-004		Valid
01085	26-01085-000		Valid

05/16/2023 f120626

A. Note that the parameter status changes to 'Valid.'

B. Select 'Yes' to download the vehicle programming data.

Fig. 7, Downloading the Vehicle Program Data

June 2023
SF670A-B

The screenshot shows the DiagnosticLink Parameters window for vehicle M2/C3-Truck. The main area displays a table of parameters with columns for Feature Group, Part, Value, and Status. The table lists various parameters such as 'Disabled Fuel Water Separator Heater', 'Without Engine Brake', and 'With Brake Line Air Dryer'. At the bottom left of the table, there are two radio buttons: 'Latest' and 'Newest'. The 'Newest' button is highlighted with a red box and an arrow labeled 'A'. Below the table, there are buttons for 'Remove Selected Part', 'Part Number' (with a dropdown menu showing '26-20108-072'), 'Add Part #', and 'Reset Changes'. A date '05/16/2023' is visible in the bottom left corner, and the identifier 'f120627' is in the bottom right corner.

Feature Group	Part	Value	Status
01002	26-01002-005	Disabled Fuel Water Separator Heater	
01003	26-01003-000	Without Engine Brake	
01034	26-01034-006	With Brake Line Air Dryer (Circuit 94)	
01053	26-01053-000	With Heated Mirrors, Smart Switch, ID19	
01068	26-01068-001	With Low Air Pressure Indicator	
01069	26-01069-018	Interaxle Lock, Tandem Axle (Smart Switch ID455)	
01070	26-01070-086	Differential Lock, w/Buzzer (Smart Switch ID497)	
01072	26-01072-026	Suspension Dump with Buzzer (SSID 65)	
01077	26-01077-046	Headlamps, Without DRLs. Low beams off with high beams	
01015	26-01015-000	Power Distribution Configuration	
01020	26-01020-014	With Combo Stop/Turn Lamps	
20100	26-20100-003	ON/OFF Latching Switch 1, 20A Output 1	
20104	26-20104-040	ON/OFF Latching Switch 5, 6.7A Output 5	
01047	26-01047-000	With Electric Horn	
20500	26-20500-000	Boom Out Smart Indicator, No Content	
20108	26-20108-072	ON/OFF Latching Switch 9, 6.7A Output 9	
01007	26-01007-011	Start Enable Allison Trans, ETC7	
01021	26-01021-000	Without 'No Charge' Indicator Lamp	
20107	26-20107-065	ON/OFF Latching Switch 8, 20A Output 8	
01039	26-01039-000	Windshield Washer, Without Fluid Level Sensor	
01017	26-01017-001	With 7 Way Center Pin Ignition Supply	
01042	26-01042-002	Without HVAC Clutch Timer	
20106	26-20106-056	ON/OFF Latching Switch 7, 6.7A Output 7	
20501	26-20501-041	Outgr: Dplyd Smart Ind + Audible Warning, SHM Input 4,5,6 w/ PB or Neut Fault	
20109	26-20109-080	ON/OFF Latching Switch 10, 6.7A Output 10	
01010	26-01010-001	Without Air Filter Restriction Indicator Lamp	
01005	26-01005-000	Not Multiplexed, Engine Block Heater	
01009	26-01009-005	Diagnostics, Baseline	
01013	26-01013-000	MBE Engine	
01014	26-01014-000	Not Multiplexed, Cigar Lighter	
01016	26-01016-000	Not Multiplexed, Battery Cables and Isolators	
01019	26-01019-001	With Marker Interrupt Switch (Smart Switch)	
01021	26-01021-000	Without Fog or Road Lamps	
01026	26-01026-007	Dome Lamps, 1 minute door open timeout	

Fig. 8, New Part Number Added to the Newest Parameter Feature Group List

NOTE: In order to complete the parameter change, the BHM must be programmed with the parameter update.

June 2023
SF670A-B

12. Go to the 'Program Device' tab, then select 'Next.' See [Fig. 9](#).

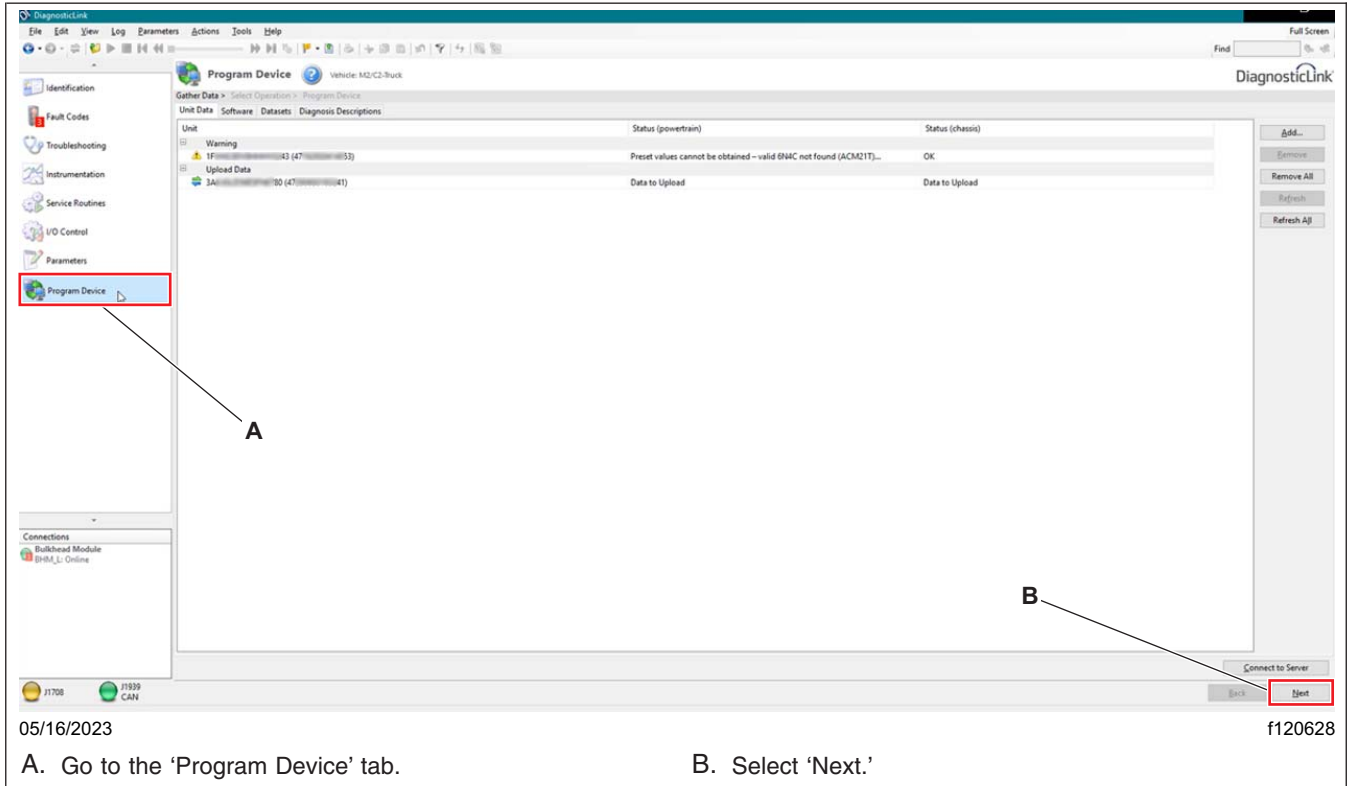


Fig. 9, Navigating to the Program Device Tab

June 2023
SF670A-B

13. Select the BHM, then select 'Connect.' See Fig. 10.
14. Verify and select the VIN in the 'Unit' panel. Select 'Newest' in the 'Settings' panel. Select 'Next' at the bottom of the screen. See Fig. 11.

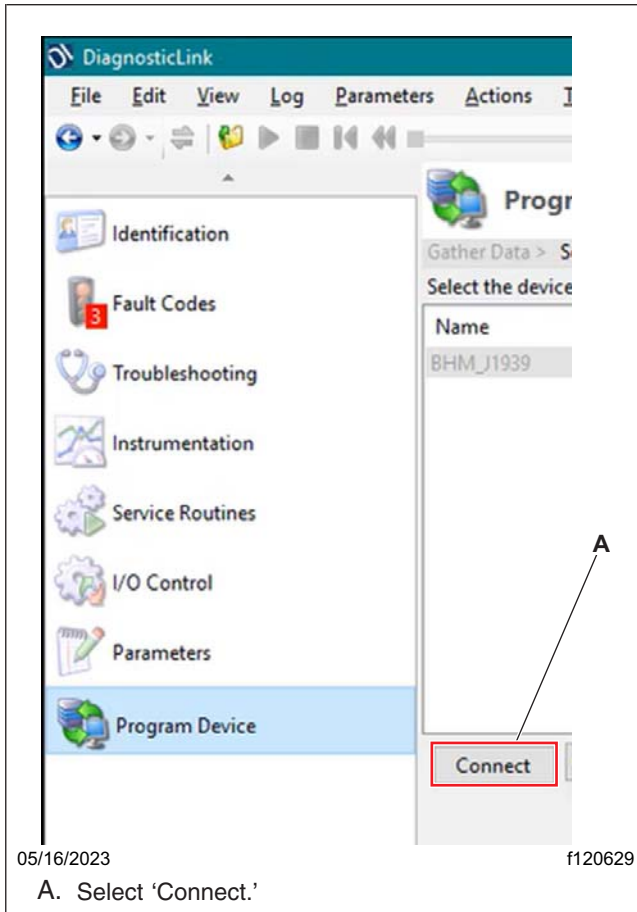


Fig. 10, Connecting to the BHM

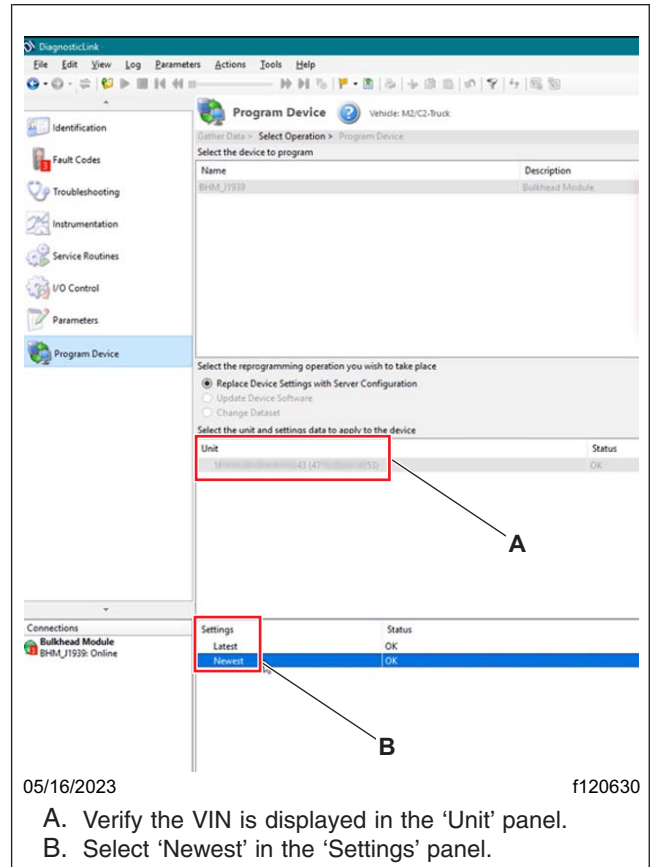


Fig. 11, Selecting Newest

June 2023
SF670A-B

15. A summary page titled 'The following data will be programmed' is displayed. Verify that the VIN is correct, and 'Newest' or 'Latest' is selected. Select 'Start' to begin programming the BHM. See Fig. 12.

The following data will be programmed

Name	Target Data
Operation	Replace Device Settings with Server Configuration (same device)
Device	BHM_11939
Unit	1F...43 (47192850414053)
Settings	Newest
Engine Serial Number	47192850414053
Vehicle Identification Number	1F...243
Hardware Revision	A0
Configuration	1F...43_LI-2A00741_newest

A

If this is correct, click the Start button

Step

Result

Start

B

05/16/2023

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A. Verify that the VIN is correct, and 'Newest' is selected.
B. Select 'Start.'

Fig. 12, Verifying and Beginning the BHM Programming

