

April 2024
SF687A

Subject: Under-Hood Utility Lamp

Models Affected: Specific model year 2024 Freightliner M2, 108SD, and 114SD vehicles manufactured March 13, 2023, through December 6, 2023.

General Information

Daimler Truck North America LLC (DTNA), on behalf of its Freightliner Trucks Division, is initiating Field Service Campaign SF687A to modify the vehicles mentioned above.

Due to programming issues, the under-hood utility lamp does not activate when the hood is opened.

Vehicle parameters will be updated.

There are approximately 251 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

If our records show your dealership has ordered any vehicle(s) involved in campaign number SF687, a list of the customers and vehicle identification numbers will be available on the DTNA Portal.

Table 1 - Replacement Parts for SF687

| Campaign Number | Part Number | Part Description | Qty. |
|-----------------|-------------|--------------------------|------|
| SF687A | WAR261 | BLANK COMPLETION STICKER | 1 |

Table 1

Labor Allowance

Table 2 - Labor Allowance

| Campaign Number | Procedure | Time Allowed (hours) | SRT Code | Corrective Action |
|-----------------|----------------------------------|----------------------|-----------|---------------------------|
| SF687A | Under-hood lamp parameter update | 0.5 | 996-F178A | 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.

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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 (**SF687A**).
- In the Primary Failed Part field, enter **25-SF687-000**.
- 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 April 30, 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. 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.)

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.

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Copy of Notice to Owners

Subject: Under-Hood Utility Lamp

Specific model year 2024 Freightliner M2, 108SD, and 114SD vehicles manufactured March 13, 2023, through December 6, 2023.

Daimler Truck North America LLC (DTNA), on behalf of its Freightliner Trucks Division, is initiating Field Service Campaign SF687A to modify the vehicles mentioned above.

Due to programming issues, the under-hood utility lamp does not activate when the hood is opened.

Vehicle parameters will be updated.

Please contact an authorized DTNA dealer to arrange to have the campaign performed. The campaign will take approximately 1 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 April 30, 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

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Work Instructions

Subject: Under-Hood Utility Lamp

Models Affected: Specific model year 2024 Freightliner M2, 108SD, and 114SD vehicles manufactured March 13, 2023, through December 6, 2023

Updating the SSAM Parameters to Enable the Under-hood Lamp

1. Check the base label (Form WAR259) for a completion sticker for SF687 (Form WAR261), indicating this work has been done. The base label is usually located on the passenger-side door, about 12 inches (30cm) 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.

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.

3. Open DiagnosticLink prior to connecting to the vehicle.

4. Use the DTNAPortal credentials to connect DiagnosticLink to the server. The sign-in to the server remains active until DiagnosticLink is closed. See [Fig. 1](#).

Authentication

Please enter your user name and password.

User Name

Remember my user name

Password

[Logon Help](#)

You have 60 days remaining before a server login is required to keep the tool active.

OK Cancel

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Fig. 1, Sign-In Window

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5. Connect an RP1210B-compliant vehicle diagnostic adaptor to the diagnostic connector on the vehicle.
6. Connect the other end of the RP1210B-compliant vehicle diagnostic adaptor to the laptop.
7. Turn the ignition key to the 'Run' position.
8. Wait until all ECUs are connected and are visible in the 'Connections' panel.
9. Open the 'Parameters' tab, and allow the parameters to be read completely by DiagnosticLink, as indicated by the status bar at the bottom of the screen. See Fig. 2.

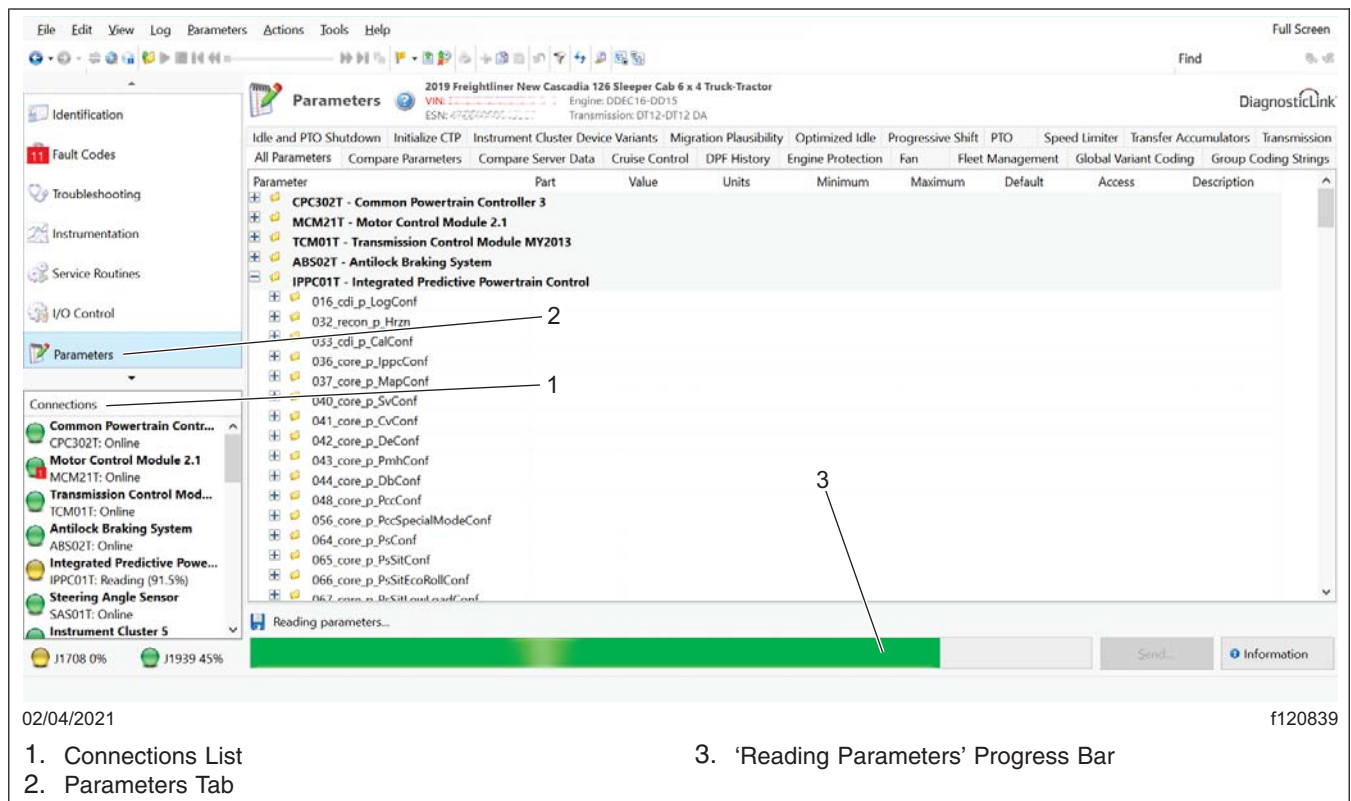


Fig. 2, Connecting the Default ECUs and Reading the Vehicle Parameters in DiagnosticLink

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- Go to the 'Program Device,' tab, and select 'Connected Unit' on the top-right of the screen. Make sure the vehicle identification number (VIN) populated in the center window is correct, then select 'Download data from server' at the bottom-left of the screen. See **Fig. 3**.

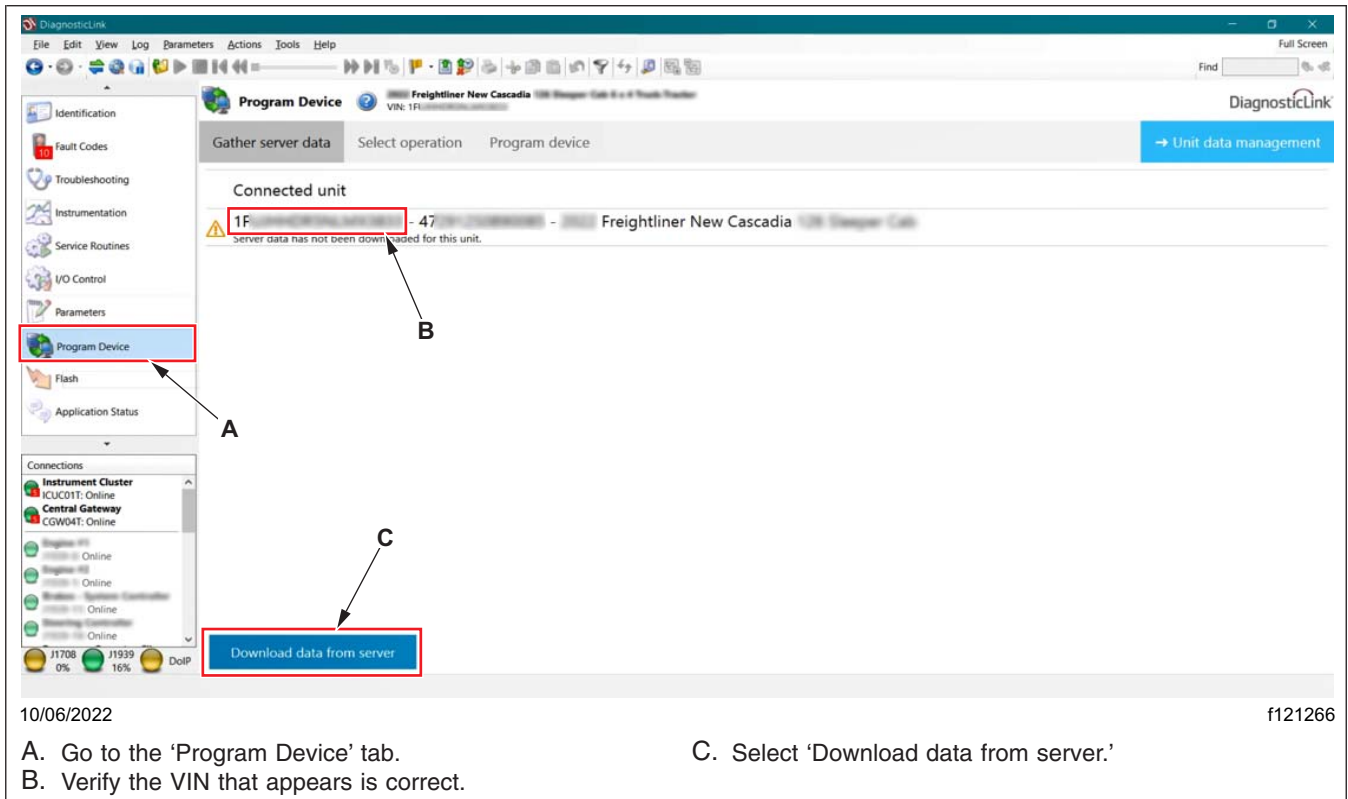


Fig. 3, Downloading the Data from the Server

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IMPORTANT: The parameter values listed in **Table 3** are the highest ZGS levels at the time of publication. The ZGS is the parameter part number suffix. In the example parameter value A0384574358-005, '-005' is the ZGS. While performing the update, if a higher ZGS parameter is available in DiagnosticLink, select that instead.

NOTE: If the parameters listed in **Table 3** are already set correctly, the 'Send' button shown in **Fig. 8** appears inactive (greyed out) since it is not required to upload the parameter to the server. Skip steps 11 through 13, and go to step 14.

11. After the server data download is complete, go to the 'Parameters' tab. Select and expand the 'SSAM02T - Single SAM' folder, then set the parameter values listed in **Table 3**. See **Fig. 4**, **Fig. 5**, **Fig. 6**, and **Fig. 7**.

| SSAM Parameter Values | | | |
|-----------------------|------------------------------------------------------------------|-----------------|-------------------------------------------------------------|
| Module | Parameter | Parameter Value | Parameter Description |
| SSAM02T | FSC Logic Block 26_30 | A0384574358-005 | A0384574358-005 Logic Block 26 30 - Default ZGS 005 |
| | MSC MSF Mapping Table | A0374575058-006 | A0374575058-006 MSC MSF Mapping Table 1-42N 812-007 ZGS 006 |
| | PGPC_Virtual_LightSw_Exists (under 'GPC - Continued' sub-folder) | A0434472658-001 | A0434472658-001 PGPC Virtual Light Switch - Available |
| | Switch_022 (under 'MSC MSF Vehicle Config' sub-folder) | A0304474658-001 | A0304474658-001 Trailer Work Light Switch - Present |

Table 3, SSAM Parameter Values

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A. Go to the 'Parameters' tab.
 B. Select and expand the 'SSAM02T - Single SAM' folder.
 C. Select the 'FSC Logic Block 26_30' sub-folder.
 D. Set the parameter value to 'A0384574358-005 Logic Block 26_30 - Default ZGS 005.'

Fig. 4, Setting the FSC Logic Block 26_30 Parameter Value

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The screenshot shows the DiagnosticLink interface with the 'Parameters' view active. The left sidebar shows a tree view under 'SSAM02T - Single SAM' with 'MSC MSF Mapping Table' selected. The main table displays parameters with columns for Part, Value, Units, Minimum, Maximum, and Description. Two callouts, A and B, point to the selected sub-folder and the specific parameter value respectively.

| Parameter | Part | Value | Units | Minimum | Maximum | Description |
|---------------------------------------------|-----------------|-------------------------------------------------------------|-------|---------|---------|---------------------|
| MSC MSF Mapping Table | A0374575058-005 | 42N 812-007 ZGS 005 | | | | 42N 812-007 ZGS 005 |
| MSC MSF Mapping Table 1-42N 812-007 ZGS 006 | A0374575058-006 | A0374575058-006 MSC MSF Mapping Table 1-42N 812-007 ZGS 006 | | | | |

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A. Select the 'MSC MSF Mapping Table' sub-folder.
B. Set the parameter value to 'A0374575058-006 MSC MSF Mapping Table 1-42N 812-007 ZGS 006.'

Fig. 5, Setting the MSC MSF Mapping Table Parameter Value

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The screenshot shows the DiagnosticLink Parameters window for a 2024 Medium Duty 4 x 2 Truck. The 'Parameters' tab is active, and the 'SSAM02T - Single SAM' folder is expanded. The 'PGPC_Virtual_LightSw_Exists' parameter is selected, and its value is set to 'A0434472658-001 PGPC_Virtual Light Switch - Available'. The parameter table is as follows:

| Parameter | Part | Value | Units | Minimum | Maximum | Description |
|-------------------------------------------------------|-----------------|------------------------|-------|---------|---------|-------------------------------|
| SSAM02T - Single SAM | | | | | | |
| GPC - Continued | n/a | | | | | |
| PGPC_Virtual_LightSw_Exists | A0434472658-001 | Switch - Not available | | | | Indicates if the engine is... |
| A0434472658-001 PGPC_Virtual Light Switch - Available | | | | | | |

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- Select and expand the 'GPC - Continued' sub-folder.
- Select the 'PGPC_Virtual_LightSw_Exists' parameter.
- Set the parameter value to 'A0434472658-001 PGPC_Virtual Light Switch - Available.'

Fig. 6, Setting the PGPC_Virtual_LightSw_Exists Parameter Value

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A. Select and expand the 'MSC MSF Vehicle Config' sub-folder.
 B. Select the 'Switch_022' parameter.
 C. Set the parameter value to 'A0304474658-001 Trailer Work Light Switch - Present.'

Fig. 7, Setting the Switch_022 Parameter Value

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- Select the 'Send' button to write the parameter changes to the SSAM02T ECU in the vehicle. A window opens asking to confirm the parameter change; select 'OK.' See Fig. 8.

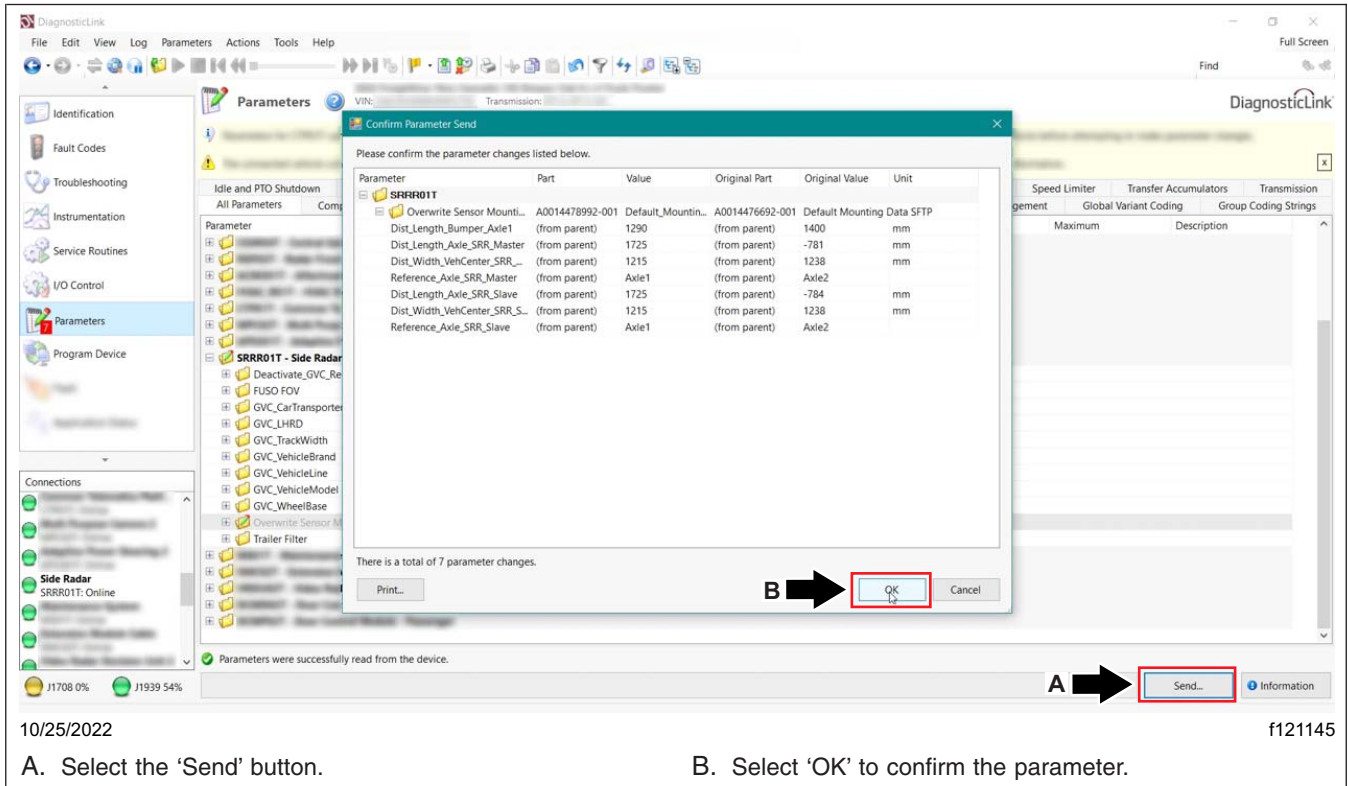


Fig. 8, Selecting the Send Button and Confirming Parameter Send

- Once the parameter change is complete, go to the 'Program Device' tab, and select 'Unit data management' in the upper-right corner. Verify if there is a pending upload.

Is pending upload data available under the 'Unit data for upload' panel?

- YES** → Select 'Connect to Server' to upload the parameter updates to the server.
- NO** → Go to the 'Parameters' tab, and select the 'Refresh' button. Verify the parameter value are correctly set, as instructed in step 11. 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.

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14. Verify the operation of the underhood lamp.

14.1 Open the hood.

14.2 Turn on the work light switch, shown in [Fig. 9](#), and verify the lamp under the hood turns on.

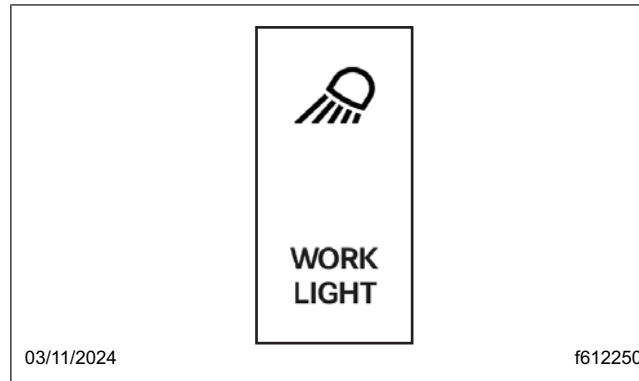


Fig. 9, Work Light Switch

14.3 Turn off the work light switch, and verify the lamp under the hood turns off.

14.4 Close the hood.

NOTE: If the lamp turns on and off, the parameter update is successful.

15. Clean a spot on the base label (Form WAR259), and attach a campaign completion sticker for SF687 (Form WAR261), indicating this work has been completed.