

Subject: Freightliner Cascadia Daytime Running Lights

Models Affected: Two specific groups of Freightliner Cascadia vehicles that use the forward turn signal bulb filaments as turn signal indicators and as daytime running lights (DRLs), SAM Cab software version 6.2, and the "Turn-Tip" function activated. The first group was manufactured with this configuration May 7, 2012, through March 2, 2013. The second group received this as part of a software update during a service visit. (Vehicles not configured in this manner are not affected.)

General Information

Daimler Trucks North America LLC, on behalf of its Freightliner Trucks Division, has decided that a defect that relates to motor vehicle safety exists on the vehicles mentioned above.

There are approximately 57,000 vehicles involved in this campaign.

The "Turn-Tip" feature allows the turn signals to flash three to five times after the turn signal lever is released if the lever is held in an unlatched position for less than 500 milliseconds. On certain vehicles, due to an anomaly in the SAM Cab 6.2 software, the forward DRL on the side of the turn tip activation will not automatically reactivate after the turn tip function completes its cycle. Failure of one or both of the DRLs to illuminate reduces the vehicle's visibility to other drivers, increasing the risk of a crash.

The software update has been validated and is now available. A software update will be installed to correct the operation of the DRLs and "Turn Tip" feature.

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.

Work Instructions

Please refer to the attached work instructions. Prior to performing the campaign, check the vehicle for a completion sticker (Form WAR260).

Replacement Parts

There are no replacement parts for this campaign.

If our records show your dealership has ordered any vehicles involved in campaign number FL641, a list of the customers and vehicle identification numbers will be available in OWL.

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.

Recall Campaign

April 2015
FL641A
NHTSA #13V-099
Transport Canada #13-086

Labor Allowance

Table 1 - Labor Allowance

Campaign Number	Procedure	Time Allowed (hours)	SRT Code	Corrective Action
FL641A	Software update for correct DRL/"Turn Tip" operation	0.3	996-0949A	12 - Repair Recall/Campaign

Table 1

IMPORTANT: When the Recall has been completed, locate the base completion label in the appropriate location on the vehicle, and attach the red completion sticker provided in the recall kit (Form WAR260). 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 recall kit is not required or there is no completion sticker in the kit, write the recall 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 **Recall Campaign**.
- In the Campaign field, enter the campaign number and appropriate group (**FL641-A**).
- In the Primary Failed Part field, enter **25-FL641-000**.
- No parts are needed for this campaign.
- 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 **003-006-016** and the Cause Code is **A1 - Campaign**.
- **U.S. and Canada – Reimbursement for Prior Repairs.** When a customer asks about reimbursement, please do the following:
 - Accept the documentation of the previous repair.
 - Make a brief check of the customer's paperwork to see if the repair may be eligible for reimbursement. (See the "Copy of Owner Letter" section of this bulletin for reimbursement guidelines.)
 - Submit an OWL Recall Pre-Approval Request for a decision.
 - Attach the documentation to the pre-approval request.
 - If approved, submit a based on claim for the pre-approval.
 - Reimburse the customer the appropriate amount.

IMPORTANT: OWL must be viewed prior to performing the recall to ensure the vehicle is involved and the campaign has not been previously completed. Also, check for a completion sticker prior to beginning work.

For questions, U.S. and Canadian dealers, 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 / My Tickets and 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. Export distributors, submit a Web inquiry or contact your International Service Manager.

April 2015

FL641A

NHTSA #13V-099

Transport Canada #13-086

U.S. and Canadian Dealers: To return excess kit inventory related to this campaign, U.S. dealers must submit a Parts Authorization Return (PAR) to the Memphis PDC. Canadian dealers must submit a PAR to their facing PDC. All kits must be in resalable condition. PAR requests must include the original purchase invoice number. Export Distributors: Excess inventory is not returnable.

The letter notifying U.S. and Canadian vehicle owners is included for your reference.

Please note that the National Traffic and Motor Vehicle Safety Act, as amended (Title 49, United States Code, Chapter 301), requires the owner's vehicle(s) be corrected within a reasonable time after parts are available to you. The Act states that failure to repair a vehicle within 60 days after tender for repair shall be prima facie evidence of an unreasonable time. However, circumstances of a particular situation may reduce the 60 day period. Failure to repair a vehicle within a reasonable time can result in either the obligation to (a) replace the vehicle with an identical or reasonably equivalent vehicle, without charge, or (b) refund the purchase price in full, less a reasonable allowance for depreciation. The Act further prohibits dealers from selling a vehicle unless all outstanding recalls are performed. Any lessor is required to send a copy of the recall notification to the lessee within 10 days. Any subsequent stage manufacturer is required to forward this notice to its distributors and retail outlets within five working days.

Recall Campaign

Daimler Trucks
North America LLC

April 2015
FL641A
NHTSA #13V-099
Transport Canada #13-086

Copy of Notice to Owners

Subject: Freightliner Cascadia Daytime Running Lights

For the Notice to U.S. Customers: This notice is sent to you in accordance with the National Traffic and Motor Vehicle Safety Act.

For the Notice to Canadian Customers: This notice is sent to you in accordance with the Canadian Motor Vehicle Safety Act.

Daimler Trucks North America LLC, on behalf of its Freightliner Trucks Division, has decided that a defect which relates to motor vehicle safety exists on two specific groups of Freightliner Cascadia vehicles that use the forward turn signal bulb filaments as turn signal indicators and as daytime running lights (DRLs), SAM Cab software version 6.2, and the "Turn-Tip" function activated. The first group was manufactured with this configuration May 7, 2012, through March 2, 2013. The second group received this as part of a software update during a service visit. (Vehicles not configured in this manner are not affected.)

The "Turn-Tip" feature allows the turn signals to flash three to five times after the turn signal lever is released if the lever is held in an unlatched position for less than 500 milliseconds. On certain vehicles, due to an anomaly in the SAM Cab 6.2 software, the forward DRL on the side of the turn tip activation will not automatically reactivate after the turn tip function completes its cycle. Failure of one or both of the DRLs to illuminate reduces the vehicle's visibility to other drivers, increasing the risk of a crash.

The software update has been validated and is now available. A software update will be installed to correct the operation of the DRLs and "Turn Tip" feature.

Please contact an authorized Daimler Trucks North America dealer to arrange to have the Recall performed and to ensure that parts are available at the dealership. To locate an authorized dealer, search online at www.Daimler-TrucksNorthAmerica.com / Contact Us / Find a Dealer. The Recall will take approximately 45 minutes and will be performed at no charge to you.

You may be liable for any progressive damage that results from your failure to complete the Recall within a reasonable time after receiving notification.

If you do not own the vehicle that corresponds to the identification number(s) which appears on the Recall Notification, please return the notification to the Warranty Campaigns Department with any information you can furnish that will assist us in locating the present owner. If you have leased this vehicle, Federal law requires that you forward this notice to the lessee within 10 days. If you are a subsequent stage manufacturer, Federal law requires that you forward this notice to your distributors and retail outlets within five working days. If you have paid to have this recall condition corrected prior to this notice, you may be eligible to receive reimbursement. Please see the reverse side of this notice for details.

For the Notice to U.S. Customers: If you have questions about this Recall, please contact the Warranty Campaigns Department at (800) 547-0712, 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 are not able to have the defect remedied without charge and within a reasonable time, you may wish to submit a complaint to the Administrator, National Highway Traffic Safety Administration, 1200 New Jersey Avenue, SE., Washington, DC 20590; or call the Vehicle Safety Hotline at (888) 327-4236 (TTY: 800-424-9153); or to <http://www.safercar.gov>.

For the Notice to Canadian Customers: If you have questions about this Recall, please contact the Warranty Campaigns Department at (800) 547-0712, 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.

We regret any inconvenience this action may cause but feel certain you understand our interest in motor vehicle safety.

WARRANTY CAMPAIGNS DEPARTMENT

Enclosure

Reimbursement to Customers for Repairs Performed Prior to Recall

If you have already **paid** to have this recall condition corrected you may be eligible to receive reimbursement.

Requests for reimbursement may include parts and labor. Reimbursement may be limited to the amount the repair would have cost if completed by an authorized Daimler Trucks North America LLC dealer. The following documentation must be presented to your dealer for consideration for reimbursement.

Please provide original or clear copies of all receipts, invoices, and repair orders that show

- The name and address of the person who paid for the repair
- The Vehicle Identification Number (VIN) of the vehicle that was repaired
- What problem occurred, what repair was done, when the repair was done
- Who repaired the vehicle
- The total cost of the repair expense that is being claimed
- Proof of payment for the repair (such as the front and back of a cancelled check or a credit card receipt)

Reimbursement will be made by check from your Daimler Trucks North America LLC dealer.

Please speak with your Daimler Trucks North America LLC authorized dealer concerning this matter.

April 2015
FL641A
NHTSA #13V-099
Transport Canada #13-086

Work Instructions

Subject: Freightliner Cascadia Daytime Running Lights

Models Affected: Two specific groups of Freightliner Cascadia vehicles that use the forward turn signal bulb filaments as turn signal indicators and as daytime running lights (DRLs), SAM Cab software version 6.2, and the “Turn-Tip” function activated. The first group was manufactured with this configuration May 7, 2012, through March 2, 2013. The second group received this as part of a software update during a service visit. (Vehicles not configured in this manner are not affected.)

Programming the SAM Cab and the SAM Chassis

1. Check the base label (Form WAR259) for a completion sticker for FL641 (WAR260) 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 with the next step.
2. In DiagnosticLink, click **Program Device** in the sidebar to display the "Gather Data" page in the program device window. See **Fig. 1**.

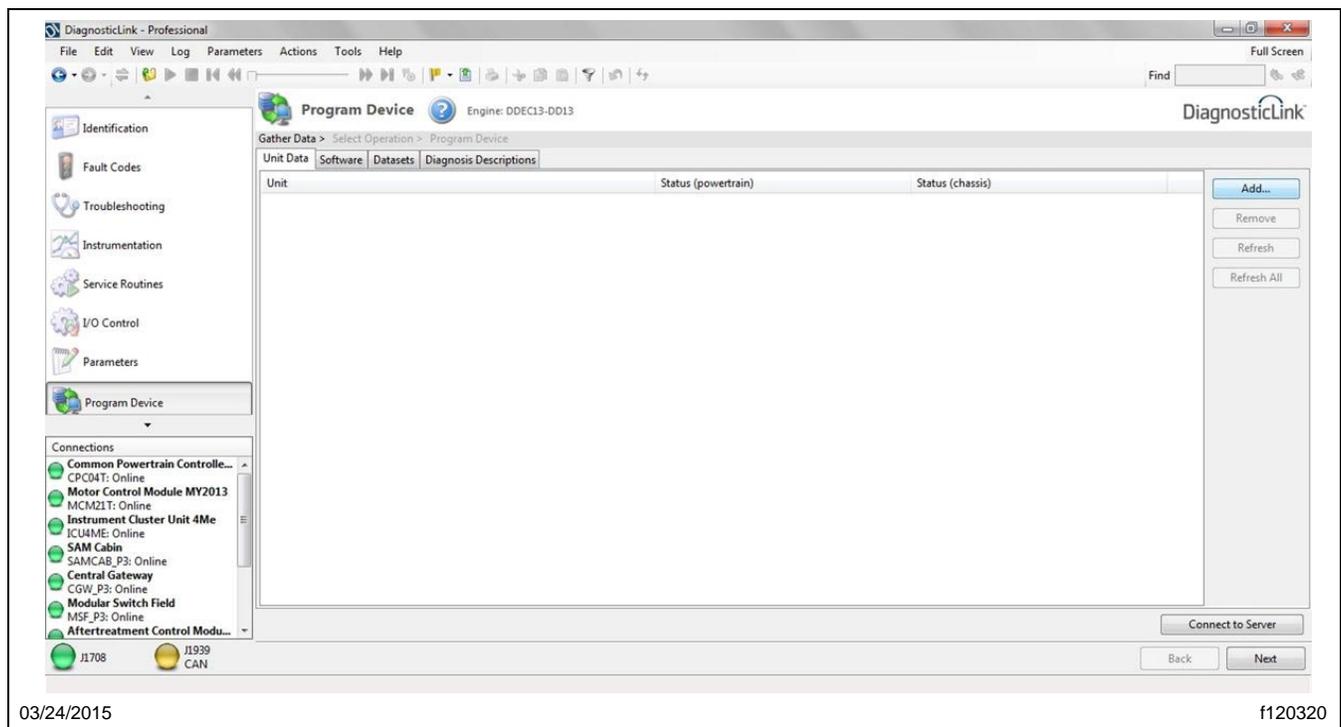


Fig. 1, Gather Data Page

3. Collect the equipment data for the vehicle.
 - 3.1 Click **Add** to display the "Request Unit or Vehicle" dialog box. See **Fig. 2**.
 - 3.2 The VIN automatically populates the "Vehicle Identification" box when DiagnosticLink is connected to the vehicle. If the vehicle is not connected, enter the VIN manually.
 - 3.3 Click **OK** to close the dialog box.
4. Click **Connect to Server**.
5. Enter the user name and password in the dialog box (**Fig. 3**), then click **OK** to download the required data. When the data is successfully downloaded, the status changes to OK in the "Unit Data" list. See **Fig. 4**.
6. Continue to "Programming the SAM Cab."

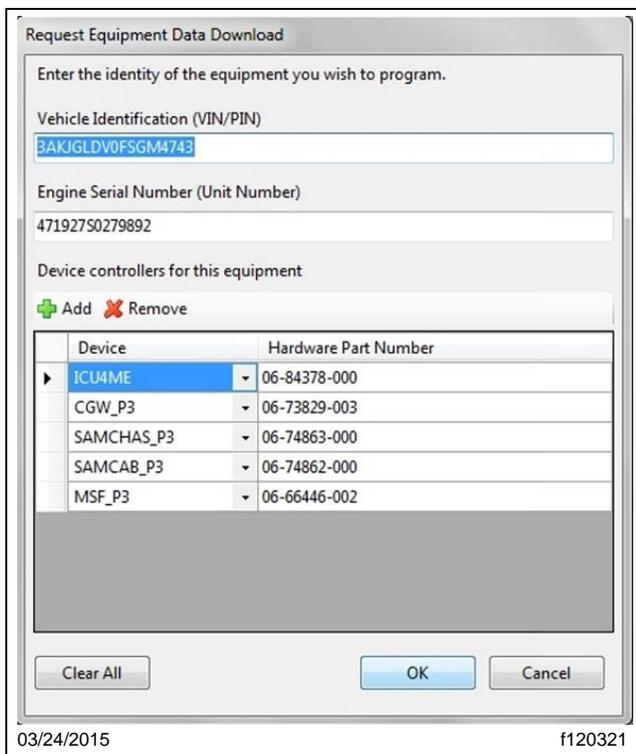


Fig. 2, Request Unit or Vehicle Dialog Box



Fig. 3, Authentication Dialog Box

April 2015
FL641A
NHTSA #13V-099
Transport Canada #13-086

Unit	Status (powertrain)	Status (chassis)
OK		
3AKJGLDV0FSGM4743 (4719275027...	OK	OK

Fig. 4, Unit Data List

Programming the SAM Cab

1. Click **Next** to display the "Select Operation" page. See **Fig. 5**.
 - 1.1 Select **SAMCAB_P3** from the table at the top of the window. The "Replace Device Settings with Server Configuration" radio button is automatically selected.
 - 1.2 Select the VIN of the vehicle being programmed.
 - 1.3 Select the newest setting.
2. Click **Next** to display the program device page in the "Program Device" window. See **Fig. 6**.
3. Carefully check the VIN and software version in the table at the top of the page; the software version should be **APP_SAMCAB_143800**.
4. If the information is correct, click **Start** to begin programming.

While DiagnosticLink is programming the SAM Cab, the progress is displayed in the lower table on the "Program Device" page. When a step has finished, the icon shows a checkmark and the "Result" column shows "complete."

5. Once the programming steps are completed, the lower table will show the new settings programmed into the module. See **Fig. 7**.

The message above the new settings confirms that the process was successful. Click **Finish**. DiagnosticLink will return to the "Gather Data" page.

6. Continue to "Programming the SAM Chassis."

03/24/2015 f120325

Fig. 5, Program Device Window

03/24/2015 f120326

Fig. 6, Program Device Page, SAM Cab

Recall Campaign

April 2015
FL641A
NHTSA #13V-099
Transport Canada #13-086

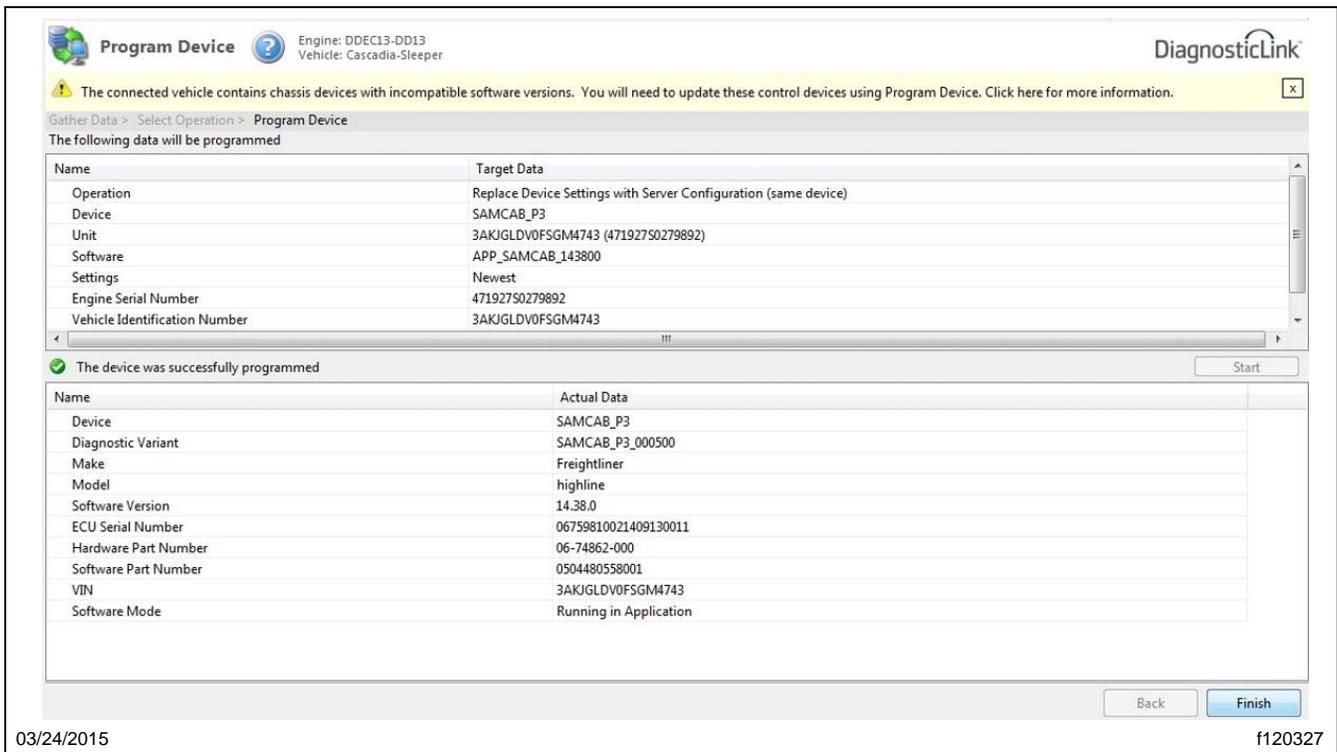


Fig. 7, Gather Data Page

Programming the SAM Chassis

1. Click **Next** to display the "Select Operation" page in the Program Device window. See **Fig. 8**.
 - 1.1 Select **SAMCHAS_P3** from the table at the top of the window.
 - 1.2 The "Replace Device Settings with Server Configuration" radio button is automatically selected.
 - 1.3 Select the VIN of the vehicle to be programmed.
 - 1.4 Select the newest setting.
2. Click **Next** to display the "Program Device" page. See **Fig. 9**.
3. Carefully check the VIN and software version in the table at the top of the page; the software version should be **APP_SAMCHAS_142800**.
4. If the information is correct, click **Start** to begin programming the SAM Chassis.

While DiagnosticLink is programming the SAM Cab, the progress is displayed in the lower table on the "Program Device" page. When a step has finished, the icon shows a checkmark and the "Result" column shows "complete."

5. Once the programming steps are completed, the lower table will show the new settings programmed into the module. See **Fig. 10**.

The message above the new settings confirms that the process was successful. Click **Finish**. DiagnosticLink will return to the "Gather Data" page.

6. Continue to "Setting the Turn Tip Parameter."

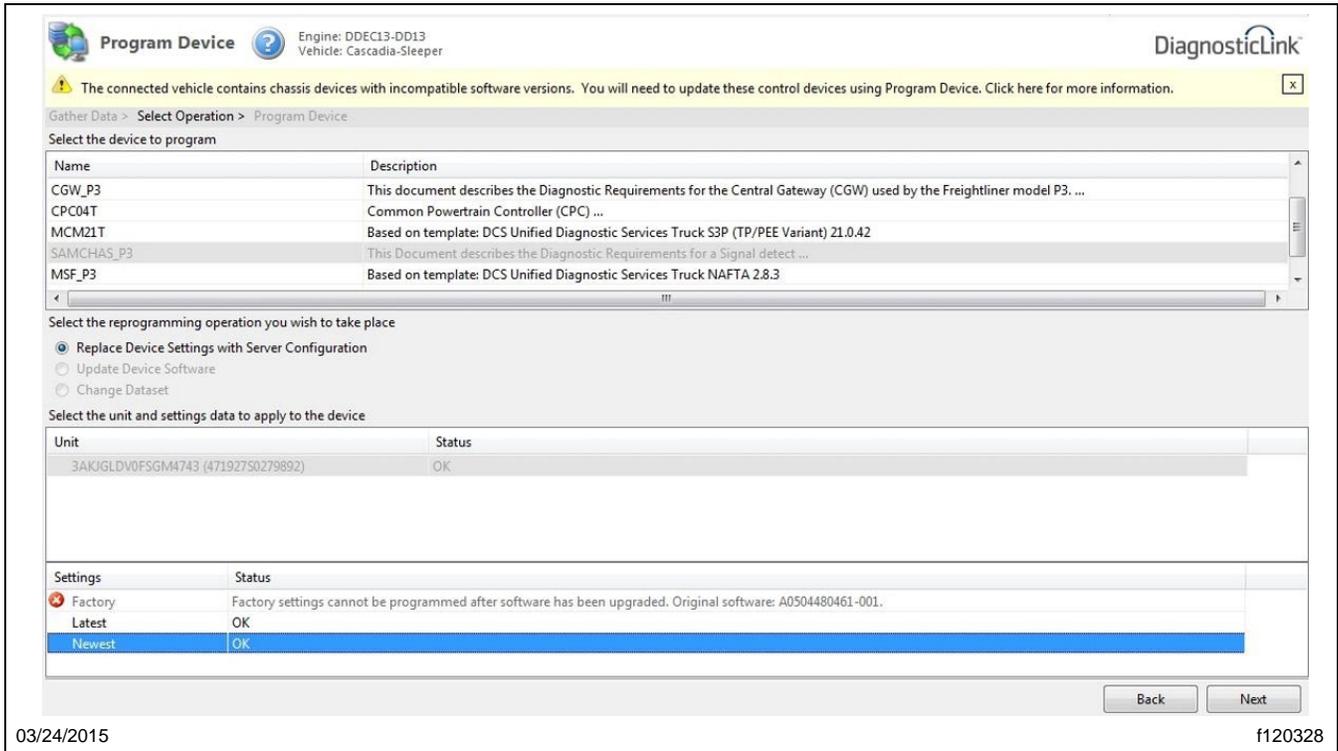


Fig. 8, Select Operation Page

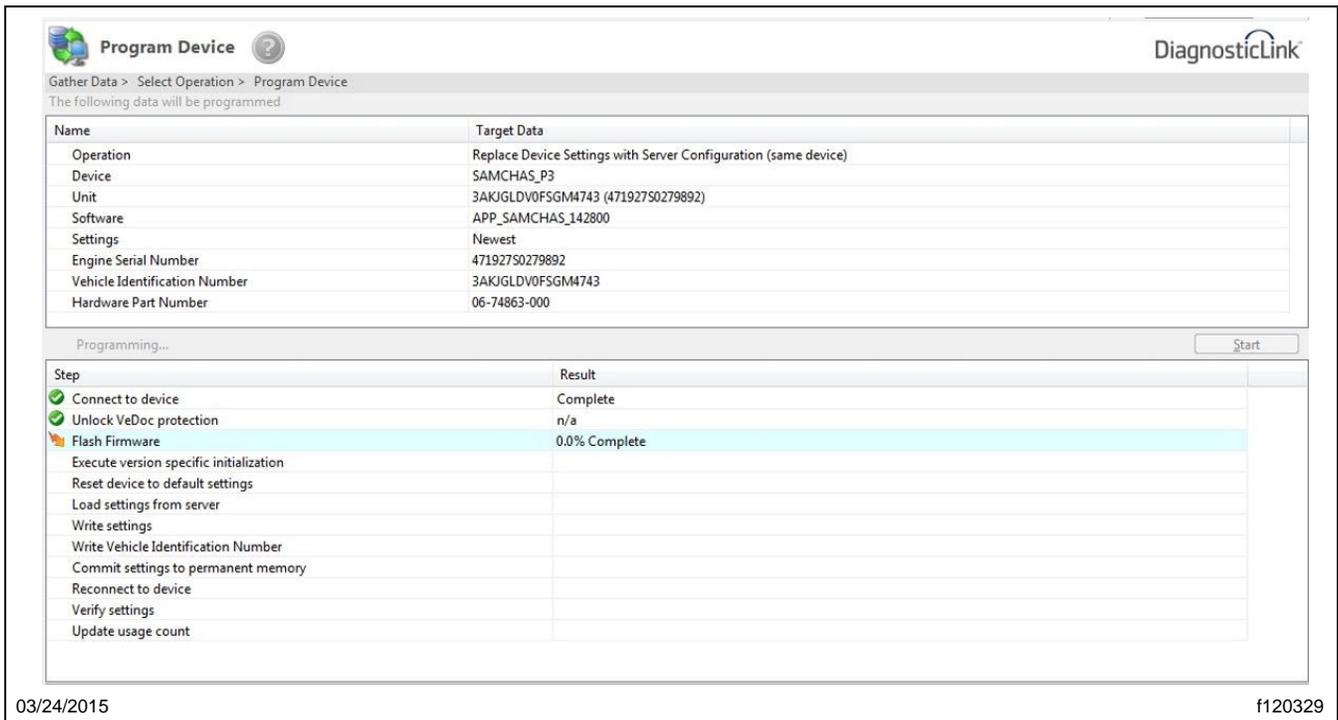


Fig. 9, Program Device Page, SAM Chassis

April 2015
FL641A
NHTSA #13V-099
Transport Canada #13-086

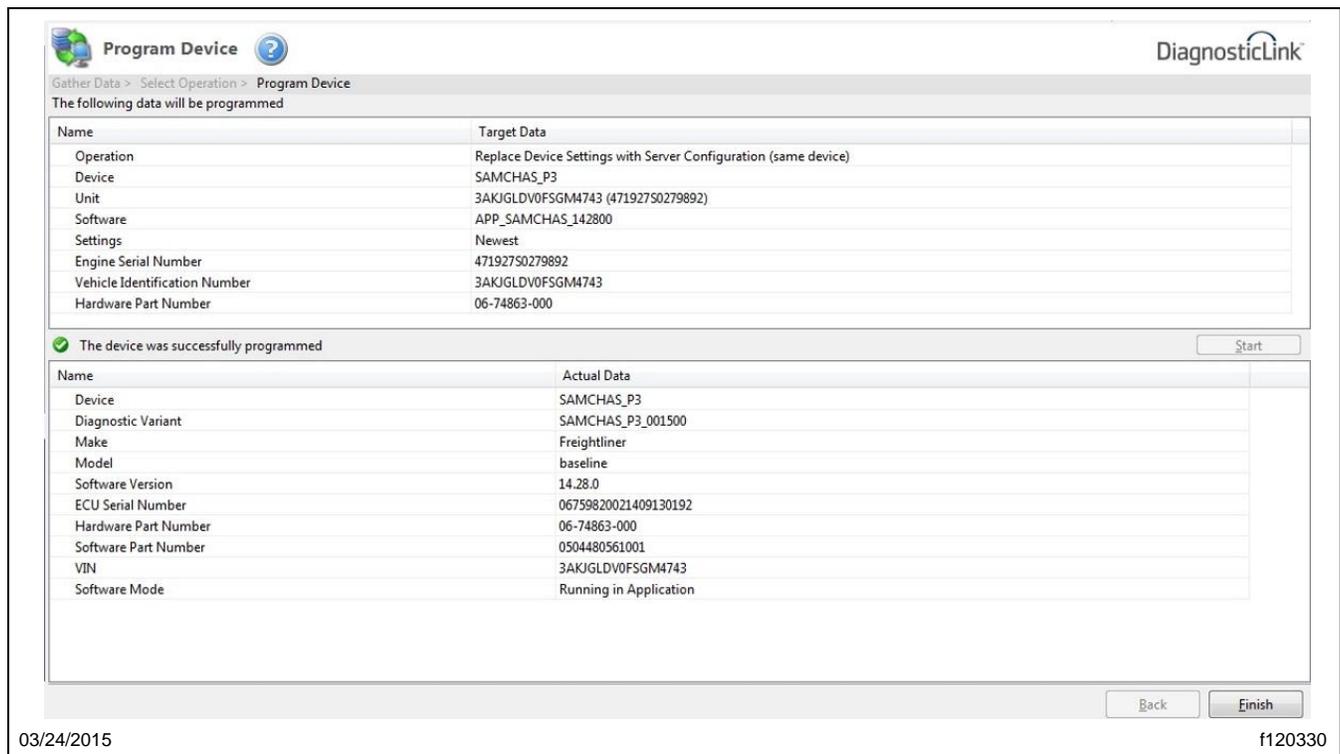


Fig. 10, New Settings

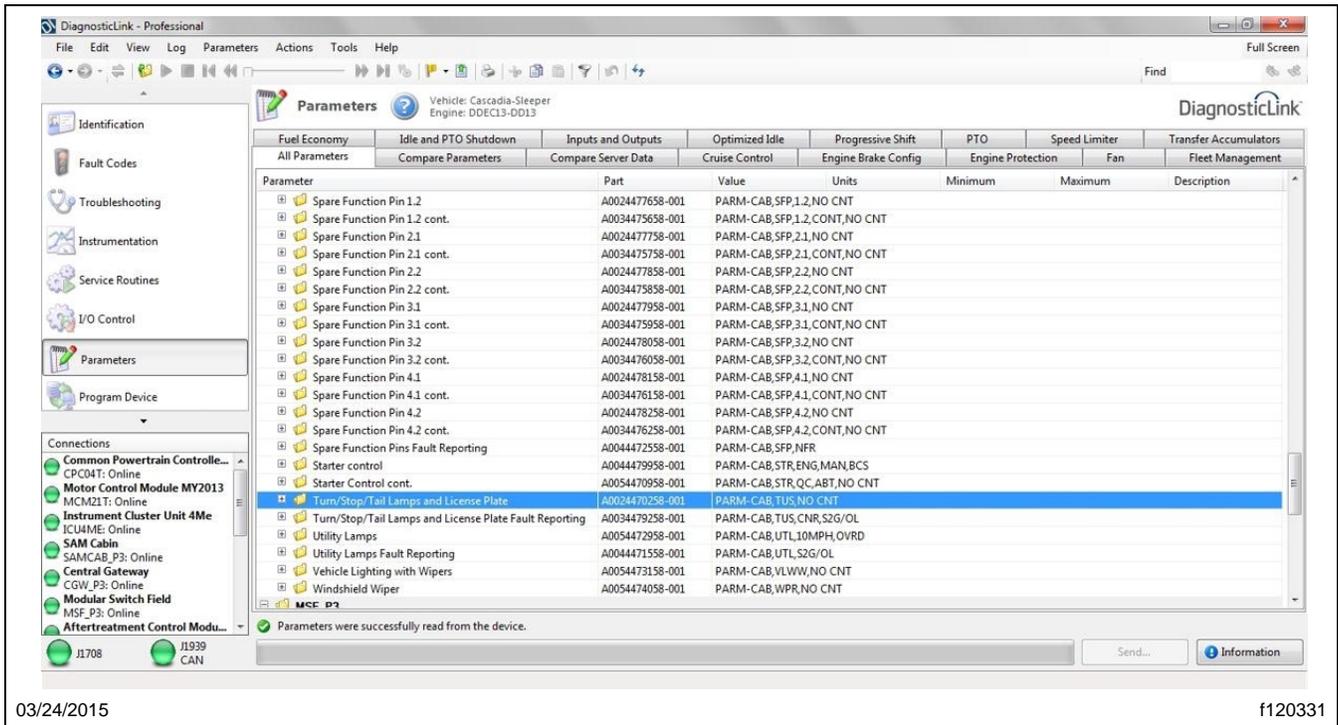
Setting the Turn Tip Parameter

1. Click **Parameters** in the sidebar.

If DiagnosticLink is connected to the vehicle, the parameter values are read from all the connected modules and displayed in the window when the "Parameters" window in a session. The bar at the bottom of the window shows the progress in reading the parameters into DiagnosticLink:

2. The "All Parameters" tab at the top of the window should be selected. If not, click the "All Parameters" tab at the top of the window.
3. Locate the **Turn/Stop/Tail Lamps and License Plate** parameter under **SAMCAB_P3**. The search bar can also be used. See Fig. 11.
4. Click the **Value** cell for **Turn/Stop/Tail Lamps and License Plate**. This can also be done by clicking the parameter entry and clicking **Enter**, or double-clicking anywhere in the parameter entry. See Fig. 12.
5. The "Value" cell will be enabled as a drop-down menu. Select the desired value from the menu:
 - **A0024470258-001**: No turn tip
 - **A0024470358-001**: Turn tip, flashes 5 times
 - **A0024478558-001**: Turn tip, flashes 3 times

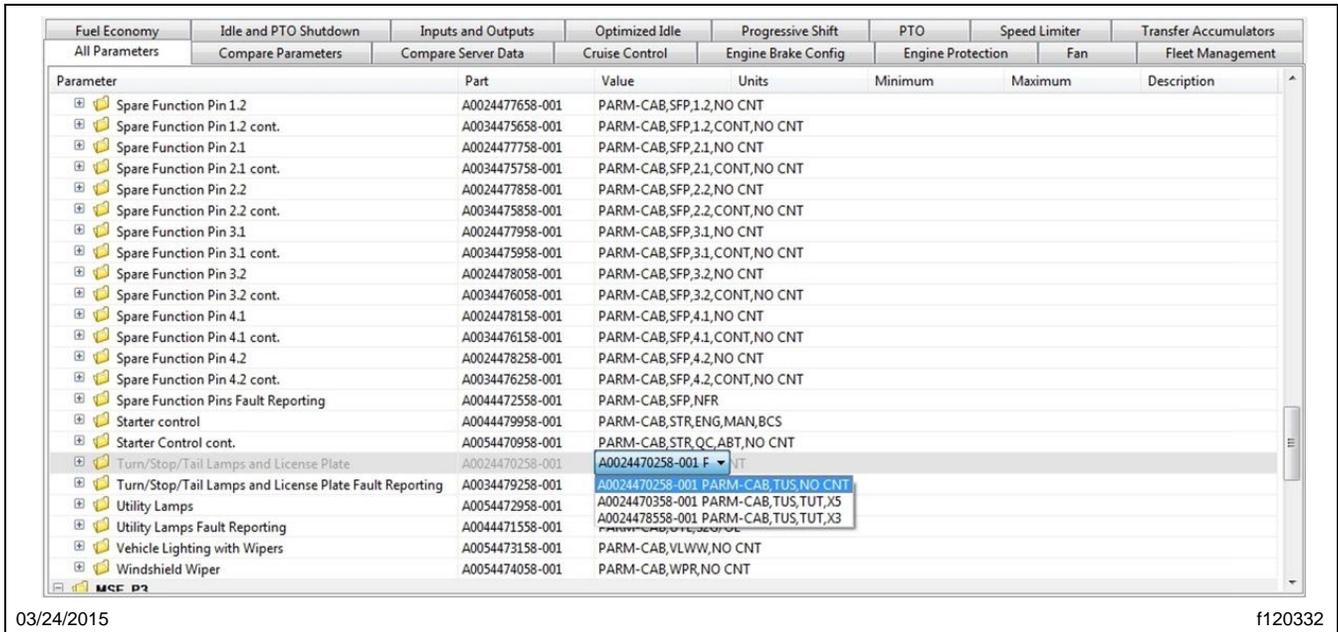
The change in value will be marked in the "Parameters" window. See Fig. 13.



03/24/2015

f120331

Fig. 11, Locating the Parameter in the Search Bar



03/24/2015

f120332

Fig. 12, Double Click the Parameter Entry

Recall Campaign

Daimler Trucks
North America LLC

April 2015
FL641A
NHTSA #13V-099
Transport Canada #13-086

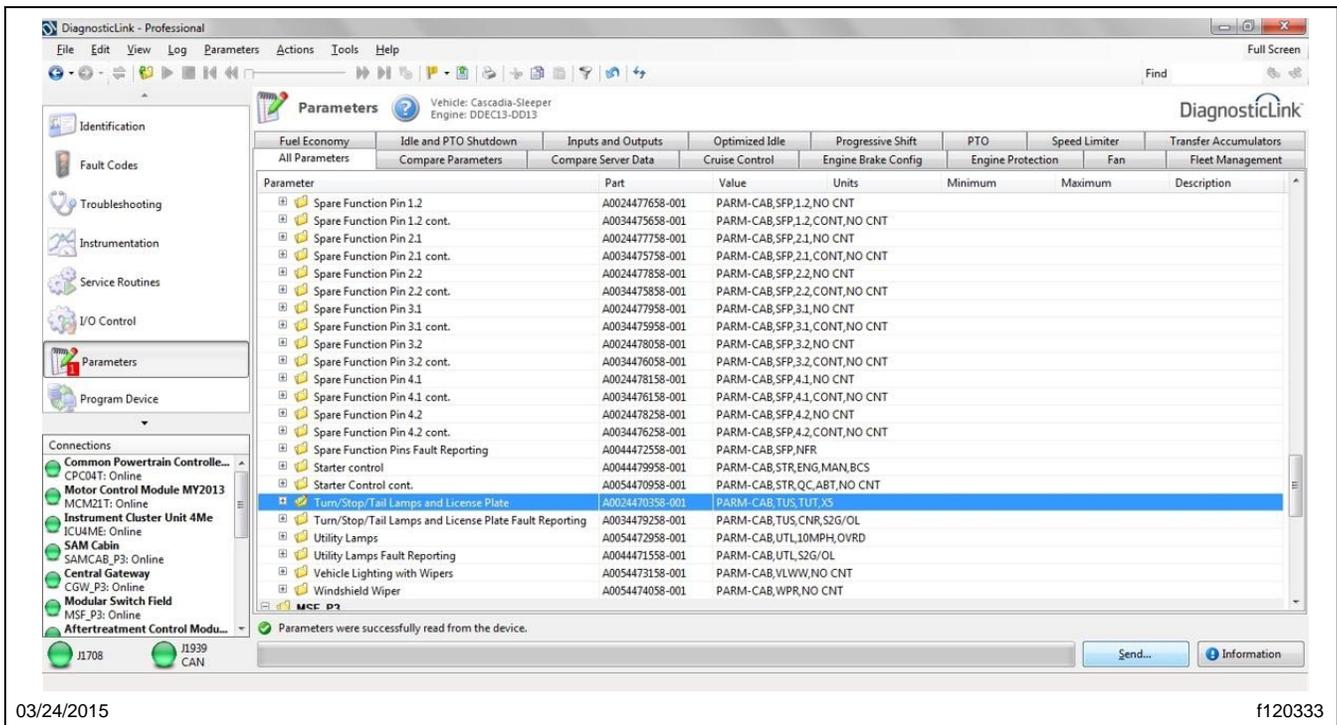


Fig. 13, Parameters Window

6. Click **Send**.
7. Verify the parameter change. See **Fig. 14**.

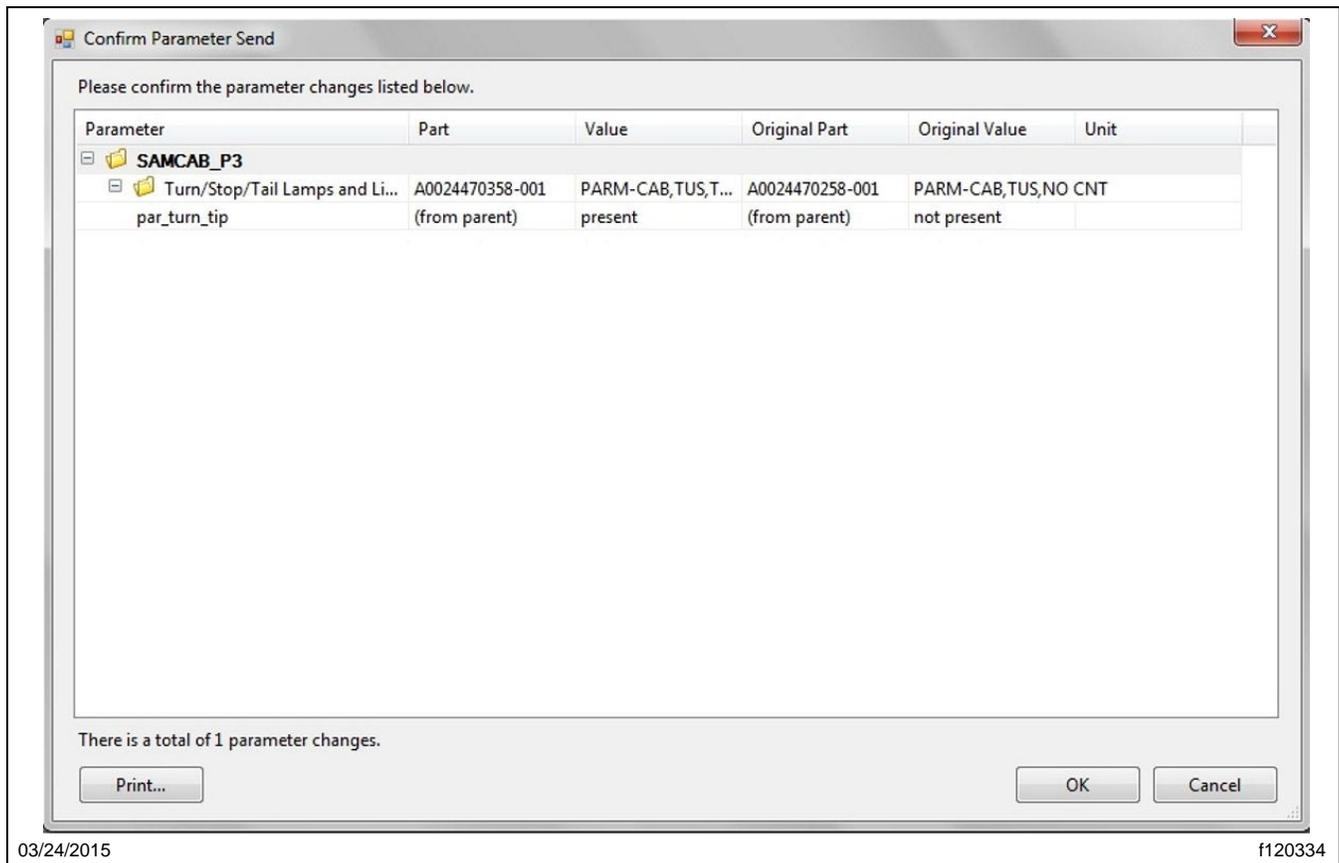


Fig. 14, Confirm Changes

8. Click **OK** to send the changes to the connected modules. The bar at the bottom of the window will show progress as the parameters are sent to the connected modules. (Click **Cancel** if you need to cancel these changes.)
9. Clean a spot on the base label (Form WAR259), write the campaign number, FL641, on a blank red completion sticker (WAR260), and attach it to the base label.