

F1009 A, B

Creation Date:	October 2024
NHTSA #	24V-668
Transport Canada #	2024-510

Subject: ABA Brake Light Output for TEMs Installed Lights

Models Affected					
Make	Model	Model Yr. Start	Model Yr. End	Prod. Start Date	Prod. End Date
Freightliner	Business Class M2, eM2, 108 SD and 114SD	2022	2025	November 4, 2021	July 31, 2024
Western Star	47X, 47X RHD, 48X RHD, 49X, 49X RHD, 57X	2020	2025	August 26, 2019	July 31, 2024

General Information

On behalf of the entities listed below, Daimler Truck North America LLC (DTNA) has decided that a defect that relates to motor vehicle safety exists on the vehicles mentioned above.

- Freightliner Trucks Division
- Wholly owned subsidiary, Western Star Truck Sales, Inc.

PROBLEM:	The affected vehicles may have been upfitted with an optional body lighting truck equipment manufacturers (TEMs) Interface Controller [BTIC]. The brake lights may not illuminate when the service brakes are automatically applied during an Active Brake Assist (ABA) event increasing the risk of a crash.
SOLUTION:	A Daimler Truck North America authorized service facility will update the software parameters to correct the issue.

There are approximately 17,700 vehicles involved.

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 WAR260).

Replacement Parts

No parts are required for this repair.

F1009 A, B

Creation Date:	October 2024
NHTSA #	24V-668
Transport Canada #	2024-510

IMPORTANT - After Repair is Complete*:

Attach a red completion sticker (WAR260) to the base label (WAR259).

If the vehicle does not have a base label, clean a spot on the appropriate location, and attach a base label, prior to attaching the completion sticker.

If a campaign kit is not required, write the campaign number on a blank sticker and attach it to the base label.

(Failure to install a completion sticker may result in a chargeback of the campaign claim.)

* TBB is exempt from the completion sticker process

Removed Parts

- For U.S. and Canadian Dealers, use the part disposition in OWL to determine how to manage removed parts (return, scrap, etc.). Dispositions are available at the date of the repair.
- For Export Dealers, destroy removed parts unless otherwise advised.

Claim Reimbursement - Labor Allowance

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.

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.

- In OWL, use the 'Retrieve' function and select the appropriate procedure. This will auto-populate the PFP, component code, replacement parts, cause, corrective action and SRT code .

Table 1 - Claim Reimbursement Table

Claim Type	Recall Campaign
Campaign	F1009-(A-B)
VMRS Component Code	F99-999-005
Cause Code	A1 – Campaign
Primary Failed Part	25-F1009-000

Table 2 – Labor Allowance for F1009 A-B

Groups	Procedure	Time Allowed (hours)	SRT Codes	Corrective Action
A	PARAMETERS, XMC, ABA STOP LAMP, UPDATE EM2 (F1009)	0.3	996-R244A	12-Repair Recall/Campaign
B	PARAMETERS, XMC, ABA STOP LAMP, UPDATE M2+ W4 (F1009)	0.3	996-R244B	12-Repair Recall/Campaign

Table 2 – Labor Allowance

- Claim type is **Recall Campaign**.
- In the Campaign field, enter the campaign number and appropriate group (F1009-A, or F1009-B).

F1009 A, B

Creation Date:	October 2024
NHTSA #	24V-668
Transport Canada #	2024-510

- In the Primary Failed Part field, enter 25-F1009-000.
- In the Labor section, enter the appropriate SRT from the Labor Allowance Table. Administrative will auto-populate if applicable using SRT 939-6010A, for 0.3 hours.
- The VMRS Component Code is F99-999-005 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.
 - Include the approved amount on your OWL claim in the Other Charges section.
 - Attach the documentation to the pre-approval request.
 - If approved, submit a ‘based on claim’ for the pre-approval.
 - The Dealer is required to 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.

U.S. and Canadian dealers, contact the Warranty Campaigns Department via Web inquiry at DTNAPortal.com/WSC, if you have any questions or need additional information. Export distributors, submit a Web inquiry or contact your International Service Manager.

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.

F1009 A, B

Creation Date:	October 2024
NHTSA #	24V-668
Transport Canada #	2024-510

Copy of Notice to Owners

Subject: ABA Brake Light Output for TEMs Installed Lights

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

Daimler Truck North America LLC (DTNA), on behalf of its Freightliner Trucks Division, and wholly owned subsidiary, Western Star Truck Sales, Inc., has decided that a defect, which relates to motor vehicle safety, exists in certain model years 2020-2025 Freightliner 108SD, 114SD, Business Class M2, and eM2 vehicles; and Western Star 47X, 49X, and 57X vehicles. See below for additional detail on vehicle applicability:

Models Affected					
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Freightliner	Business Class M2, eM2, 108 SD, and 114 SD	2022	2025	November 4, 2021	July 31, 2024
Western Star	47X, 47X RHD, 49X, and 57X	2020	2025	August 26, 2019	July 31, 2024

The affected vehicles may have been upfitted with an optional body lighting TEMs interface controller (BTIC). The brake lights may not illuminate when the service brakes are automatically applied during an Active Brake Assist (ABA) event, increasing the risk of a crash.

A Daimler Truck North America authorized service facility will update the software parameters to correct the issue. The Recall will take approximately one hour and will be performed free of charge.

Please contact an authorized Daimler Truck 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 <https://northamerica.daimlertruck.com/contact-us>. Scroll down to "Locate a Dealer" and select the appropriate brand.

You may also confirm your vehicle's involvement in this recall at the following URL:

<https://dtna-dlrinfo.prd.freightliner.com:48518/VinLookup/vin-module/getVinLookupPage>.

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 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. **For Notice to US Customers:** If you have paid to have this recall service condition corrected prior to this notice, you may be eligible to receive reimbursement. Please see the reverse side of this notice for details.

F1009 A, B

Creation Date:	October 2024
NHTSA #	24V-668
Transport Canada #	2024-510

If you have questions about this Recall Campaign, 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-War-Campaigns@Daimlertruck.com. For other concerns, you may contact the Customer Assistance Center at (800) 385-4357. **For Notice to US Customers:** If your manufacturer, distributor, or dealer fails to remedy the defect or noncompliance 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 go to <http://www.nhtsa.gov>. **For Notice to Canadian Customers:** If you have a safety concern relating to this Recall, you may wish to contact Transport Canada – Motor Vehicle Safety at, 80 rue Noel, Gatineau, Quebec J8Z 0A1 or phone (800) 333-0510.

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 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 Truck 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 Truck North America LLC dealer.

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

F1009 A, B

Creation Date:	October 2024
NHTSA #	24V-668
Transport Canada #	2024-510

Work Instructions

Subject: ABA Brake Light Output for TEMs Installed Lights

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F1009 – Parameter Update

1. Check the base label (Form WAR259) for a completion sticker for F1009 (Form 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 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. Connect an RP1210B-compliant vehicle diagnostic adaptor to the diagnostic connector on the vehicle.
4. Connect the other end of the RP1210B-compliant vehicle diagnostic adaptor to the laptop.
5. Open DiagnosticLink®.

IMPORTANT: Make sure that DiagnosticLink is updated to the latest version (8.20 at the time of publication, or newer) before programming the vehicle.
6. Use the DTNA Portal credentials to connect DiagnosticLink to the server.

F1009 A, B

Creation Date:

October 2024

NHTSA #

24V-668

Transport Canada #

2024-510

7. Go to the 'Identification' tab and verify that XMC02T is online. See Fig. 1.

10/16/2024

A. Go to the 'Identification' tab.

B. Verify that XMC02T is online.

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Fig. 1, XMC02T Online

F1009 A, B

Creation Date:	October 2024
NHTSA #	24V-668
Transport Canada #	2024-510

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

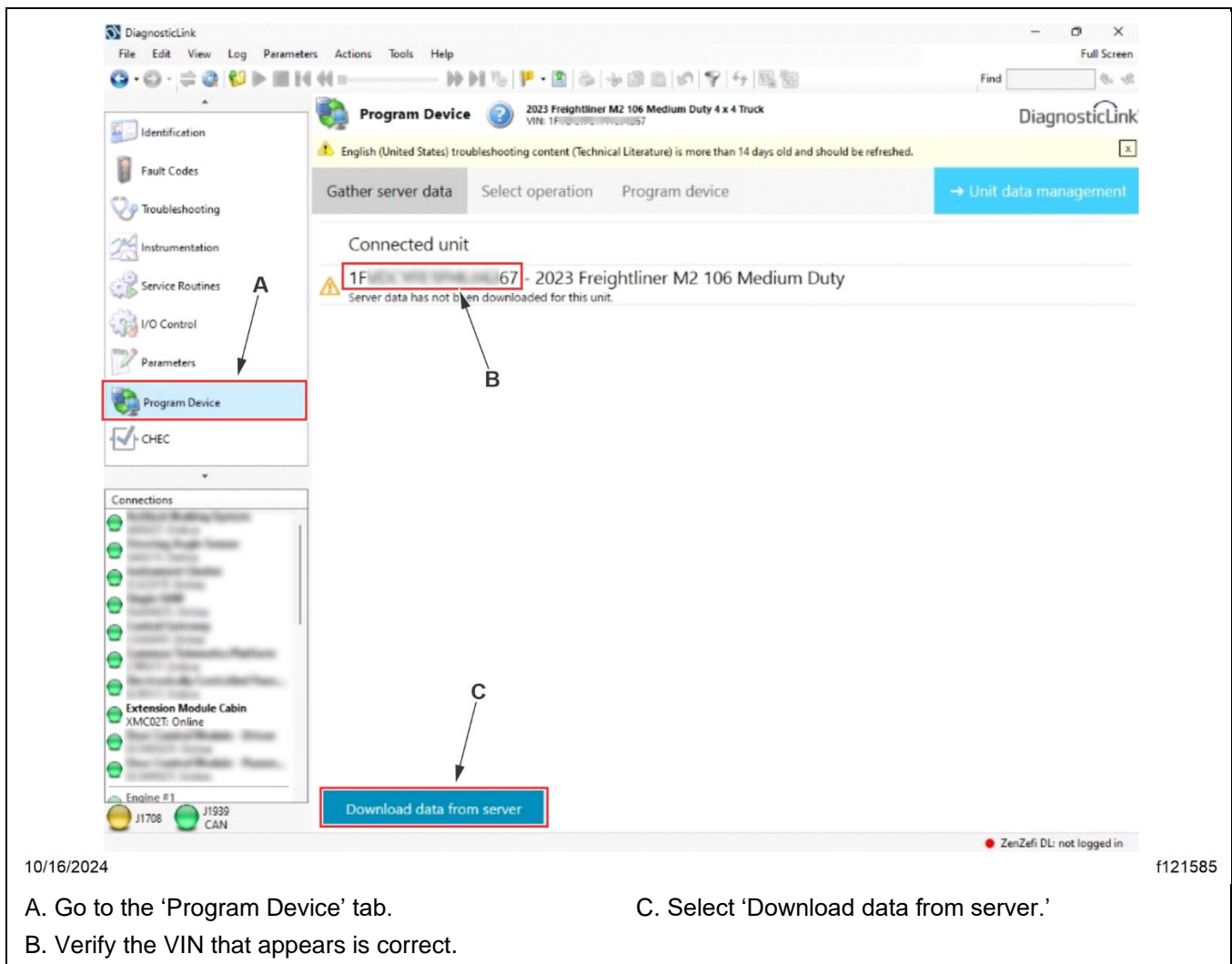


Fig. 2, Downloading Data from the Server

F1009 A, B

Creation Date:	October 2024
NHTSA #	24V-668
Transport Canada #	2024-510

9. After the server data download is complete, update the vehicle record on the server.

9.1. From the menu bar, select 'Actions,' then select 'Campaign Management.' See [Fig. 3](#).

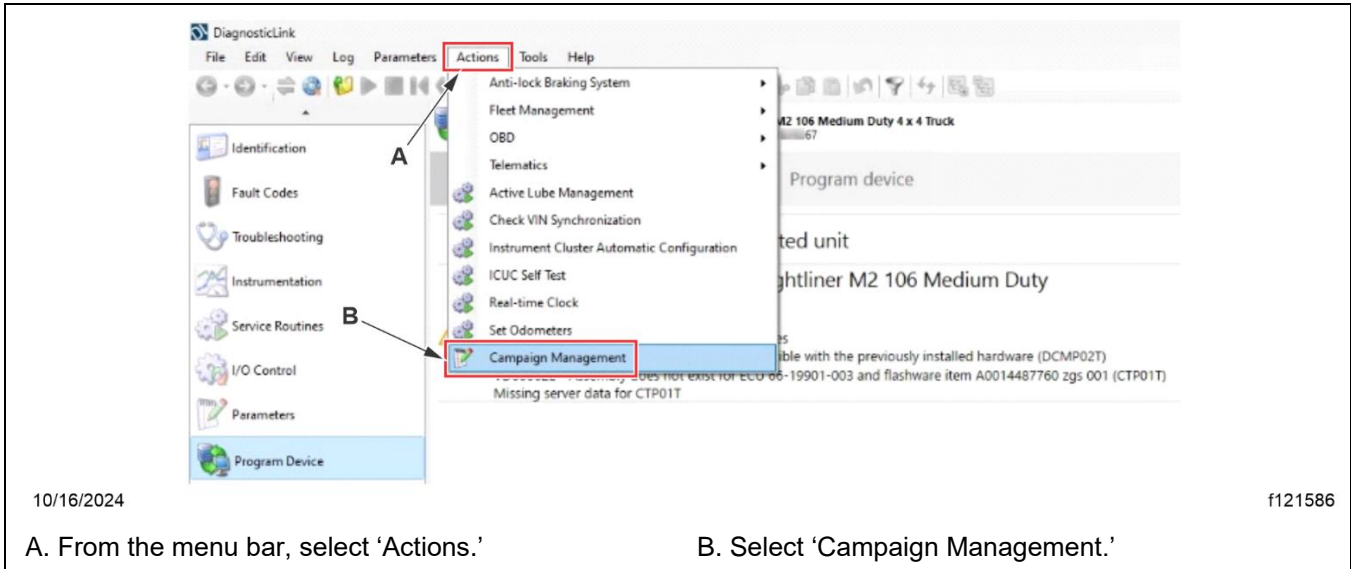


Fig. 3, Opening the Campaign Management Window

9.2. The 'Campaign Management' window opens. Select 'Update' on the right-hand side of the window. The list of active campaigns corresponding to the VIN, if any, will be displayed. See [Fig. 4](#).

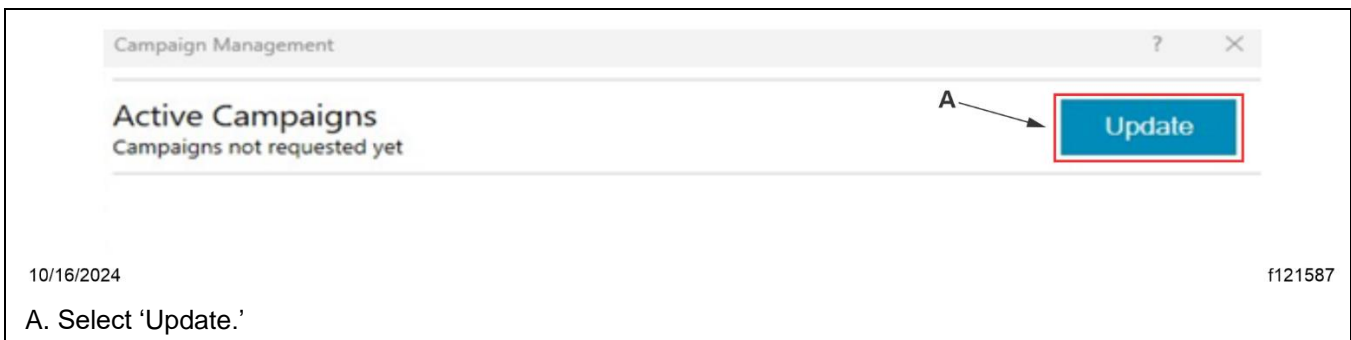


Fig. 4, Updating the Vehicle Record on the Server

F1009 A, B

Creation Date:	October 2024
NHTSA #	24V-668
Transport Canada #	2024-510

9.3. Verify the particulars displayed under the 'Name' and 'Description' columns. Select 'Start.' See [Fig. 5](#).

The screenshot shows a 'Campaign Management' window with a table of active campaigns. The table has columns for 'Id', 'Name', 'Description', 'Vehicle Status', and 'Message'. A single campaign is listed with Id '15', Name 'F1009B', and Description 'Body Lighting ABA Parameter Update - M2 and W4'. The 'Vehicle Status' is 'Available' and the 'Message' is 'AVAILABLE'. A 'Start' button is highlighted with a red box and labeled 'C'. Other elements include an 'Update' button, a date '10/16/2024', and a campaign ID 'f121588'. Annotations 'A' and 'B' point to the 'Name' and 'Description' columns respectively.

A. Verify the applicable campaign population.
B. The 'Vehicle Status' shows as 'Available.'
C. Select 'Start.'

Fig. 5, Starting to Update the Vehicle Record

9.4. Wait for the 'Vehicle Status' to change to 'Pending.' See [Fig. 6](#).

The screenshot shows the same 'Campaign Management' window. The 'Vehicle Status' for the campaign 'F1009B' has changed to 'Pending', which is highlighted with a red box and labeled 'A'. The 'Message' column now displays 'Vehicle record updated'. A 'Restart' button is visible next to the campaign row. Other elements include the date '10/16/2024' and the campaign ID 'f121590'.

A. The 'Vehicle Status' changes to 'Pending.'

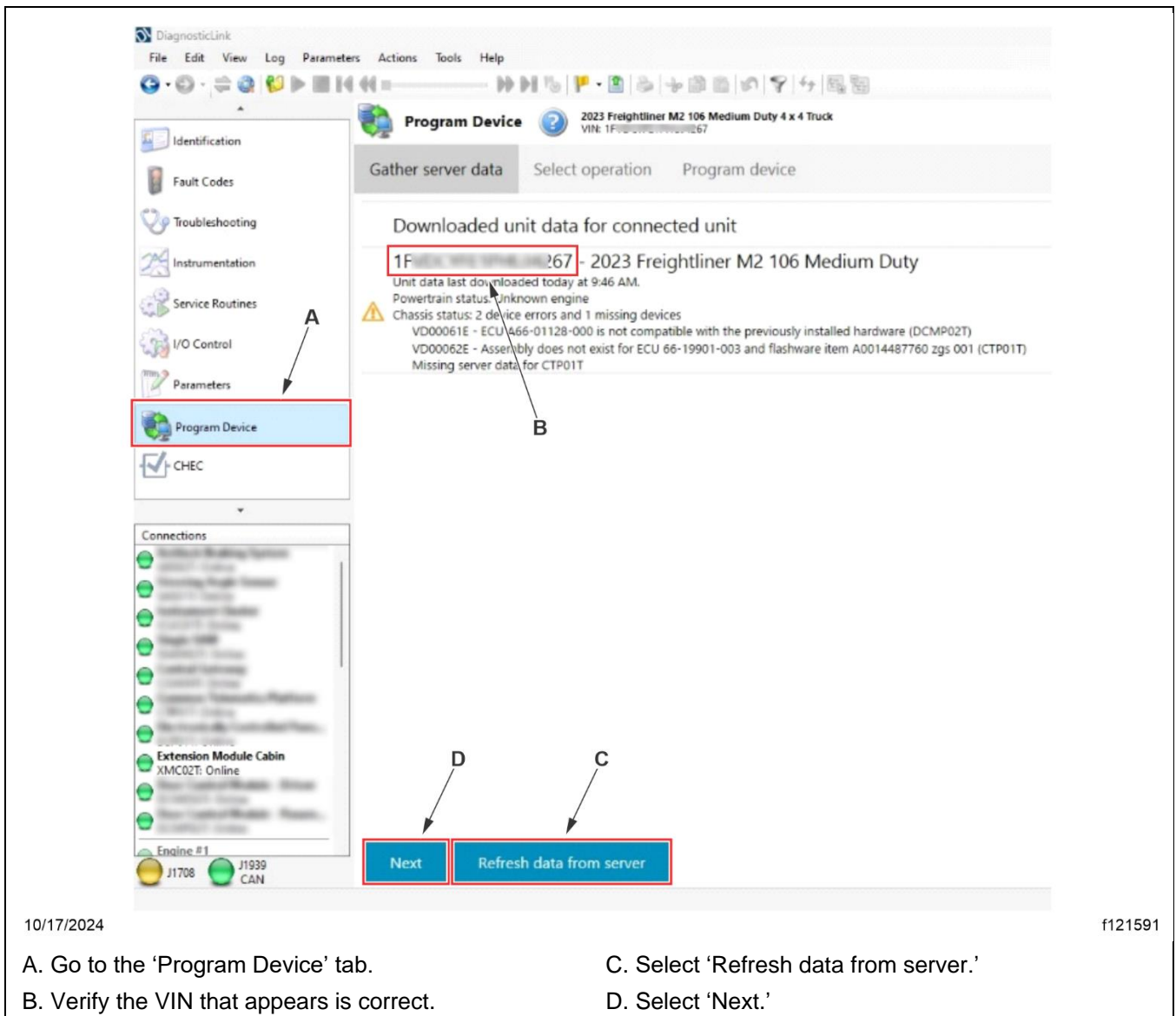
Fig. 6, Vehicle Status Changed to Pending

9.5. Close the 'Campaign Management' window.

F1009 A, B

Creation Date:	October 2024
NHTSA #	24V-668
Transport Canada #	2024-510

- Go to the 'Program Device' tab, then select 'Refresh data from server.' DiagnosticLink will retrieve the latest record of the vehicle. See Fig. 7.
- Once the latest data is retrieved, select 'Next.' See Fig. 7.



10/17/2024

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- A. Go to the 'Program Device' tab.
- B. Verify the VIN that appears is correct.
- C. Select 'Refresh data from server.'
- D. Select 'Next.'

Fig. 7 Gathering the Server Data

F1009 A, B

Creation Date:	October 2024
NHTSA #	24V-668
Transport Canada #	2024-510

12. Follow the substeps to flash the XMC02T. See Fig. 8.
 - 12.1. Select 'XMC02T' as the device to program.
 - 12.2. Select 'Latest' as the configuration to apply to the device.
 - 12.3. Select 'Next.'

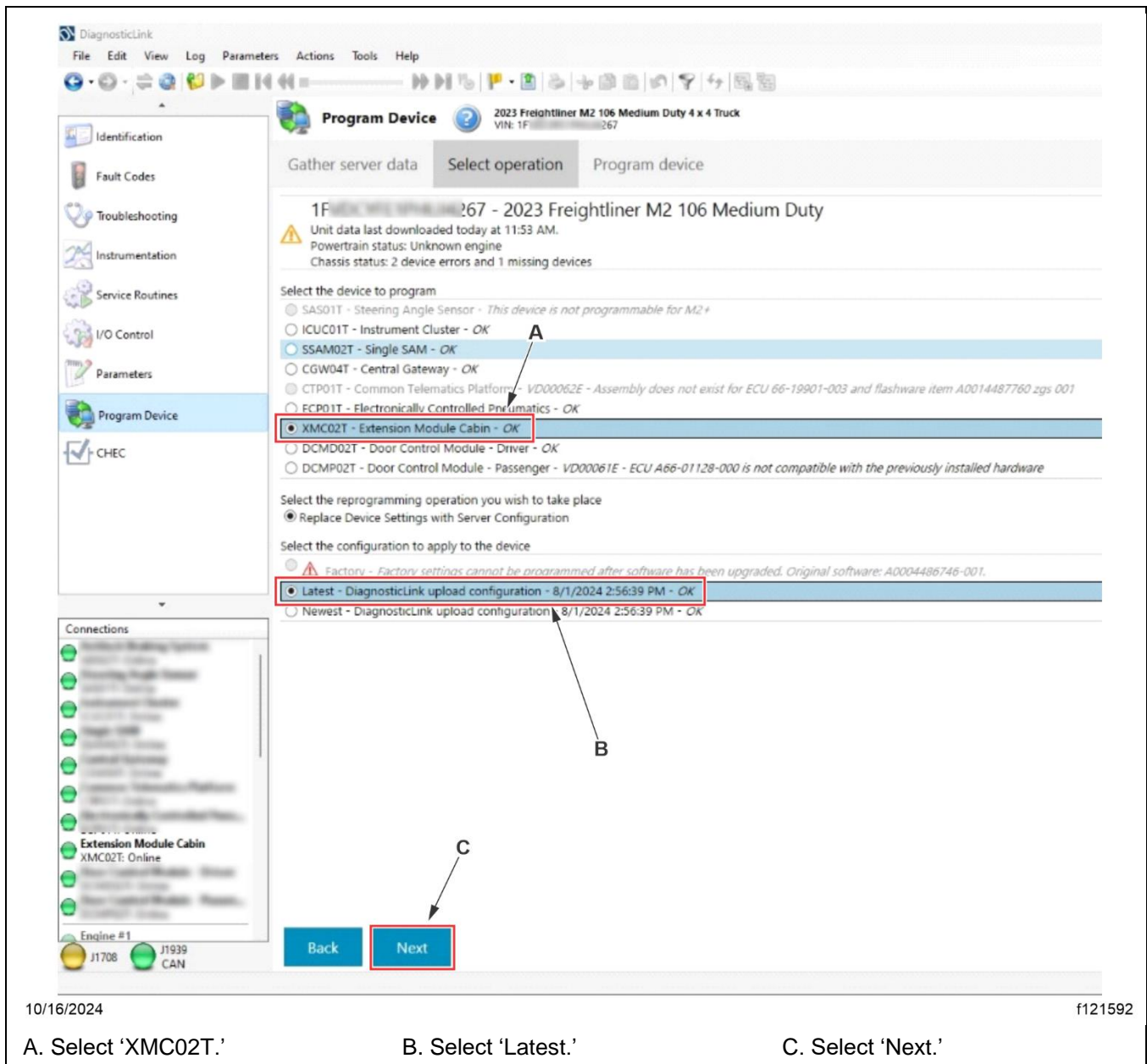
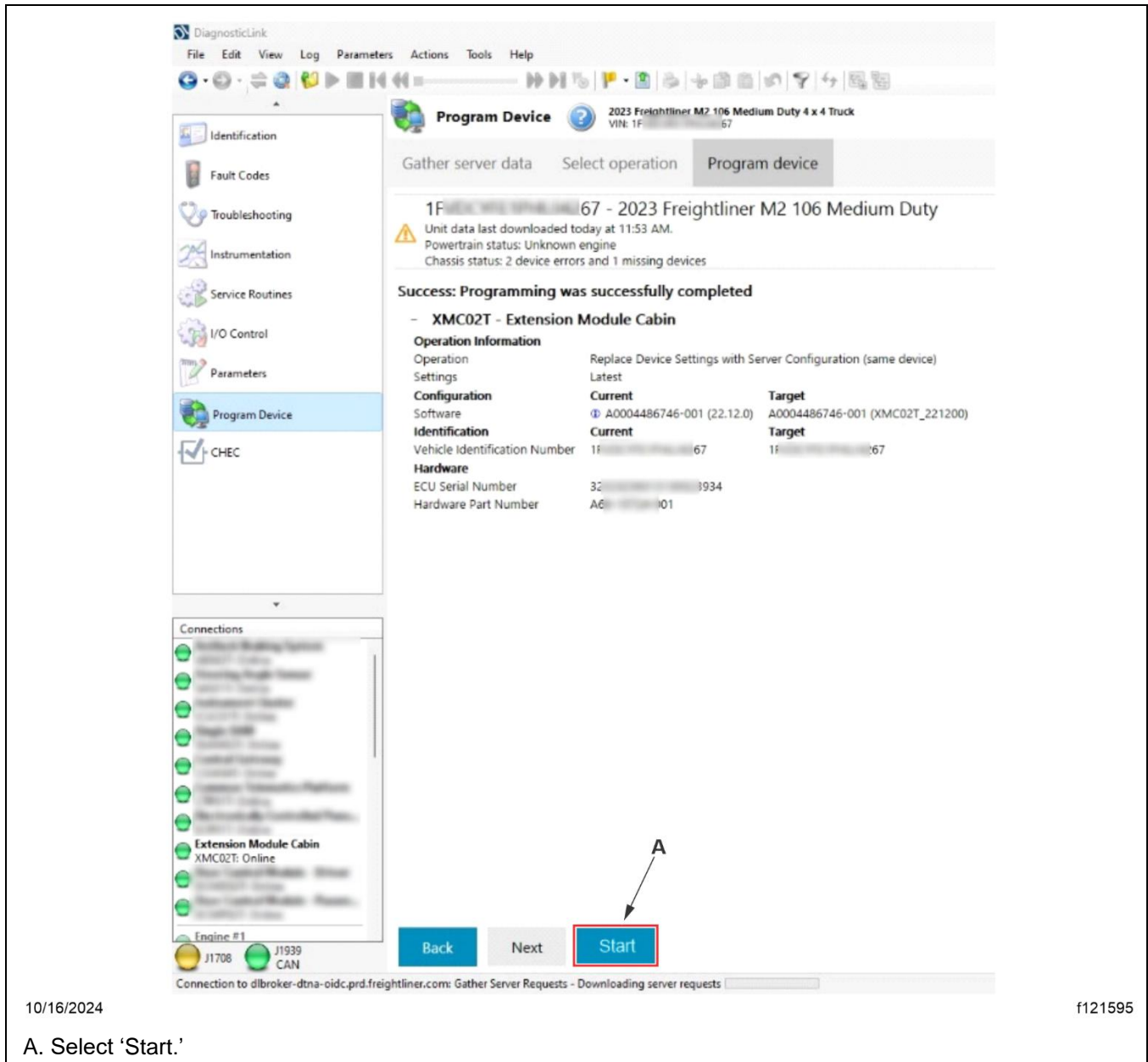


Fig. 8, Selecting the Programming Operation

F1009 A, B

Creation Date:	October 2024
NHTSA #	24V-668
Transport Canada #	2024-510

12.4. Select 'Start' to start flashing the XMC02T. See Fig. 9.



10/16/2024

f121595

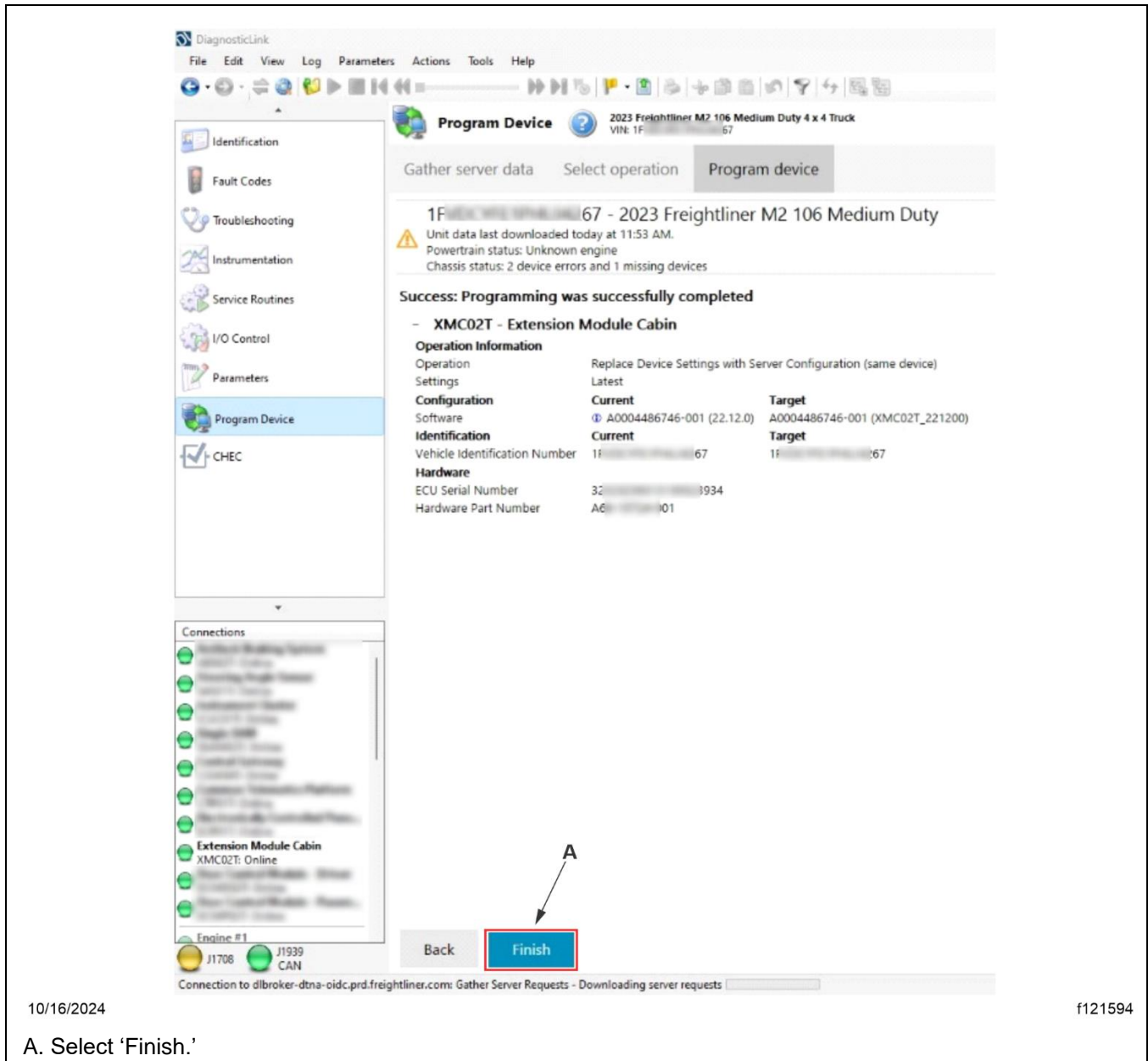
A. Select 'Start.'

Fig. 9, Starting to Flash the XMC02T

F1009 A, B

Creation Date:	October 2024
NHTSA #	24V-668
Transport Canada #	2024-510

12.5. Once the flashing is successful, select 'Finish.' See Fig. 10.



10/16/2024

f121594

A. Select 'Finish.'

Fig. 10, Flashing Successful

F1009 A, B

Creation Date:	October 2024
NHTSA #	24V-668
Transport Canada #	2024-510

13. Verify the completion of the recall in the 'Campaign Management' window. See [Fig. 11](#).
 - 13.1. From the menu bar, select 'Actions,' then select 'Campaign Management.'
 - 13.2. The 'Campaign Management' window opens. Select 'Update' on the right-hand side of the window.

Does the 'Vehicle Status' appear as 'Complete'?

YES → The repair is complete. Continue with step 14.

NO → The repair is not complete; repeat the steps 7 through 13.

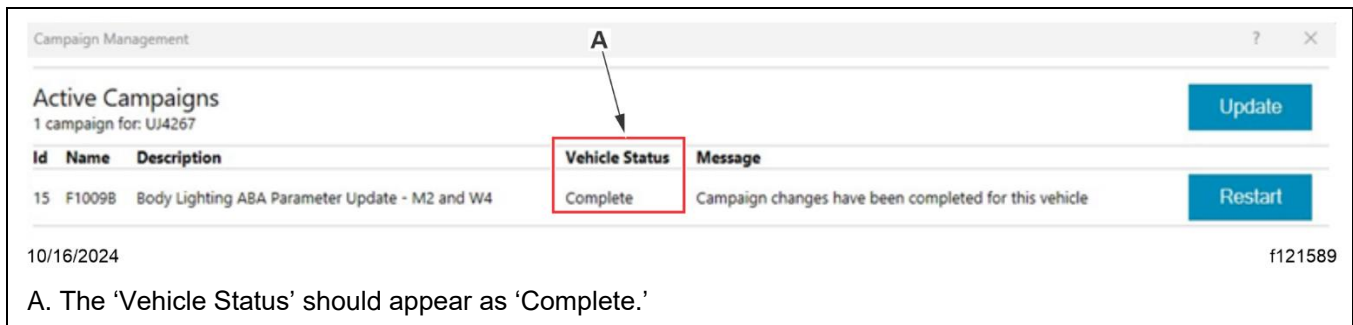


Fig. 11, Verifying the Campaign Completion

14. Disconnect the vehicle from DiagnosticLink.
15. Turn the keyswitch to the OFF position.
16. Clean a spot on the base label (Form WAR259), and attach a campaign completion sticker for F1009 (Form WAR260), indicating this work has been completed.