

November 2021
FL863A (Final)
INT FL863-01 (Interim)
NHTSA #20V-567
Transport Canada #2020-444
REVISED NOTICE

Subject: Freightliner Cascadia Brake Light Illumination

Models Affected: Specific model year 2017-2021 Freightliner Cascadia vehicles manufactured March 8, 2016, through January 3, 2020, and equipped with a certain brake light pressure switch.

General Information

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

REVISION: Revisions were needed to add images of acceptable jumper harness variations, a brake light functionality test using DiagnosticLink, and to perform an air leak check.

On certain vehicles, the brake lights may remain on after release of the brake pedal, presenting inaccurate information to vehicles which are following, potentially leading to an increased risk of a crash.

Vehicles in FL863A are built with Detroit engines and will have the 3-pin switch replaced with a 2-pin switch and a jumper harness. **This is the final repair and a sticker must be placed in the door upon completion.**

Vehicles in INT FL863-01 are built with Cummins engines and will have a 3-pin switch replaced with a new 3-pin switch as an interim repair; **DO NOT place a sticker in the door. Please create a draft claim for the campaign as early as possible and file the INT FL863-01 recall claim immediately after completion of work.** Owners in INT FL863-01 will receive a final notice when the final repair for Cummins engines is available.

There are approximately 145,444 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.

Work Instructions

Please refer to the attached work instructions. Prior to performing the Final FL863 campaign, check the vehicle for a completion sticker (Form WAR260). Prior to performing the INT FL863 check the OWL Coverage screen for completion.

Replacement Parts

Replacement parts are now available and can be obtained by ordering the part number(s) listed below from your facing Parts Distribution Center.

If our records show your dealership has ordered any vehicle(s) involved in campaign number FL863, a list of the customers and vehicle identification numbers will be available on DTNAConnect. Please refer to this list when ordering parts for this recall.

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Table 1 - Replacement Parts for FL863

Campaign Number	Part Description	Part Number	Qty.
FL863A (Final)	2-PIN BRAKE LIGHT PRESSURE SWITCH	12-27919-000	1 ea
	JUMPER HARNESS	A66-23212-000	
	BLANK COMPLETION STICKER	WAR260	
INT FL863-01 (Interim)	3-PIN BRAKE LIGHT PRESSURE SWITCH	12-26773-000	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.

Labor Allowance

Table 2 - Labor Allowance

Campaign Number	Procedure	Time Allowed (hours)	SRT Code	Corrective Action
FL863A	Replace brake light pressure switch, install jumper harness, perform DL function test and air leak check (Detroit engines)	0.6	996-R115A	12-Repair Recall/Campaign
INT FL863-01	Replace brake light pressure switch, perform DL function test and air leak check (Cummins engines)	0.6	996-R115B	12-Repair Recall/Campaign

Table 2

When **Final Recall FL863A** has been completed, locate the base completion label in the appropriate location on the vehicle, and attach the red completion sticker. (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). Write the recall number on a blank sticker and attach it to the base completion label.

IMPORTANT: When Interim Recall **INT FL863-01** has been completed, **DO NOT place a sticker in the door. Please create a draft claim for the campaign as early as possible and file the INT FL863-01 recall claim immediately after completion of work.**

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:

IMPORTANT: When Interim Recall **INT FL863-01** has been completed, **DO NOT place a sticker in the door. Please create a draft claim for the campaign as early as possible and file the INT FL863-01 recall claim immediately after completion of work.**

- Claim type is **Recall Campaign**.
- In the Campaign field, enter the appropriate campaign number. (**FL863-A or INT FL863-01**).
- In the Primary Failed Part Number field, enter **25-FL863-000**.
- In the Parts field, enter the appropriate part number(s) as shown in the Replacement Parts Table.

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- In the Labor field, first 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**.
- **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 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.
 - Reimburse the customer the appropriate amount.

OWL must be viewed prior to performing the recall to ensure the vehicle is involved and the campaign has not been previously completed. Vehicles in FL863A, check for a completion sticker prior to beginning work.

IMPORTANT: No sticker is attached when completing INT FL863-01. Please create a draft claim for the campaign as early as possible and file the INT FL863-01 recall claim immediately after completion of work.

U.S. and Canadian dealers, contact the Warranty Campaigns Department via Web inquiry at DTNACconnect.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.

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Copy of Notice to Owners

Subject: Freightliner Cascadia Brake Light Illumination

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 requirements of the Motor Vehicle Safety Act. This is to inform you that your vehicle may contain a defect that could affect the safety of a person.

Daimler Trucks North America LLC (DTNA), on behalf of its Freightliner Trucks Division, has decided that a defect that relates to motor vehicle safety exists on specific model year 2017-2021 Freightliner Cascadia vehicles manufactured March 8, 2016, through January 3, 2020, and equipped with a certain brake light pressure switch.

On certain vehicles, the brake lights may remain on after release of the brake pedal, presenting inaccurate information to vehicles which are following, potentially leading to an increased risk of a crash.

For the owners in FL863A: Vehicles in FL863A are built with Detroit engines and will have the 3-pin brake pressure switch replaced with a 2-pin brake pressure switch and jumper harness. **This is the FINAL repair.** Repairs will be performed by Daimler Trucks North America authorized service facilities.

For the owners in INT FL863-01: Vehicles in INT FL863-01 are built with Cummins engines and will have the 3-pin brake pressure switch replaced with a new 3-pin brake pressure switch. **This is an INTERIM repair.** Repairs will be performed by Daimler Trucks North America authorized service facilities. Owners in INT FL863-01 **will receive a final notice when the final repair for Cummins engines is available.**

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. On the menu tab, select "Contact," scroll down to "Find a Dealer," and select the appropriate brand. The Recall will take approximately one hour and will be performed at no charge to you. You may also confirm your vehicle's involvement in this recall at this 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 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.

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. **For the Notice to U.S. Customers:** 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 wish to submit a complaint about this recall, you can contact Transport Canada road safety, 80 rue Noel, Gatineau, Quebec J8Z 0A1 or call (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

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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.

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Work Instructions

Subject: Freightliner Cascadia Brake Light Illumination

Models Affected: Specific model year 2017-2021 Freightliner Cascadia vehicles manufactured March 8, 2016, through January 3, 2020, and equipped with a certain brake light pressure switch.

REVISION: Revisions were needed to add images of acceptable jumper harness variations, a brake light functionality test using DiagnosticLink, and to preform air leak check.

- Vehicles in FL863A will have the 3-pin switch replaced with a 2-pin switch and a jumper harness. **This is the final repair and a sticker must be placed in the door upon completion.**
- Vehicles in INT FL863-01 will have a 3-pin switch replaced with a new 3-pin switch as an interim repair; **DO NOT place a sticker in the door. Please create a draft claim for the campaign as early as possible and file the INT FL863-01 recall claim immediately after completion of work.**

Pressure Switch Replacement

1. For vehicles in FL863A, check the base label (Form WAR259) for a completion sticker (Form WAR260) indicating this work has been done. The base label is usually located on the passenger side door, about 12inches (30cm) below the door latch. If a sticker is present, no work is needed. If there is no sticker, proceed with the next step.

For vehicles in **INT FL863-01** please check the **OWL coverage screen** indicating this work has been completed.

2. Park the vehicle, apply the parking brakes, and shut down the engine. Chock the tires.
3. Remove the lower steering column and throttle cover dash panels. For Instructions on dash panels removal, refer to **Section 60.06** of the **New Cascadia Workshop Manual** for instructions.

IMPORTANT: Excess side loading or side twisting of brake light pressure switch during removal can result in damage to the pass-through manifold switch. Select a tool that will minimize side loading or side twisting such as sensor socket P/N DDE DSN012T20007 (preferred), or "crows foot" wrench, or "stubby" wrench.

NOTE: Depending on the vehicle build date, the 3-pin brake light pressure switch may be in one of two locations on the pass-through manifold switch. See [Fig. 1](#).

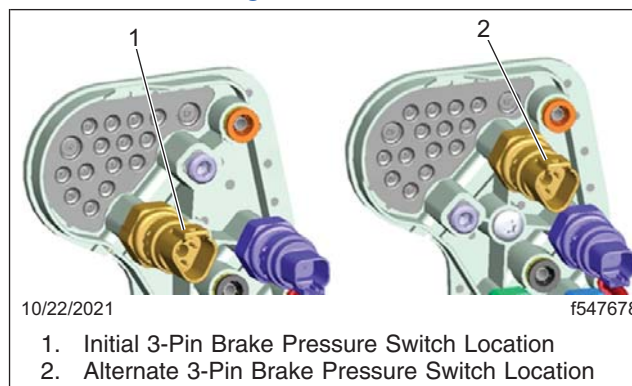


Fig. 1, Possible 3-Pin Brake Light Pressure Switch Locations

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4. Disconnect and remove the 3-pin brake light pressure switch.
5. Install the new pressure switch.

Vehicles in **FL863A**, continue with sub-step 5.1.

Vehicles in **INT FL863-01**, go to sub-step 5.3.

- 5.1 Install the 2-pin pressure switch on vehicles in **FL863A**. Tighten the switch 84 to 108 lbf-in (950 to 1200 N·cm). See [Fig. 2](#).



Fig. 2, Tightening the Brake Light Pressure Switch

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- 5.2 Install the jumper harness as shown in the **Fig. 3** onto the dash connector shown in the **Fig. 4** and then connect it to the new 2-pin brake light pressure switch. Due to jumper harness variation, see **Fig. 5** for details of approved jumper harness variations. Vehicles in FL863A go to sub-step 5.4.



Fig. 3, Jumper Harness



Fig. 4, Jumper Harness Connected to Cab Harness

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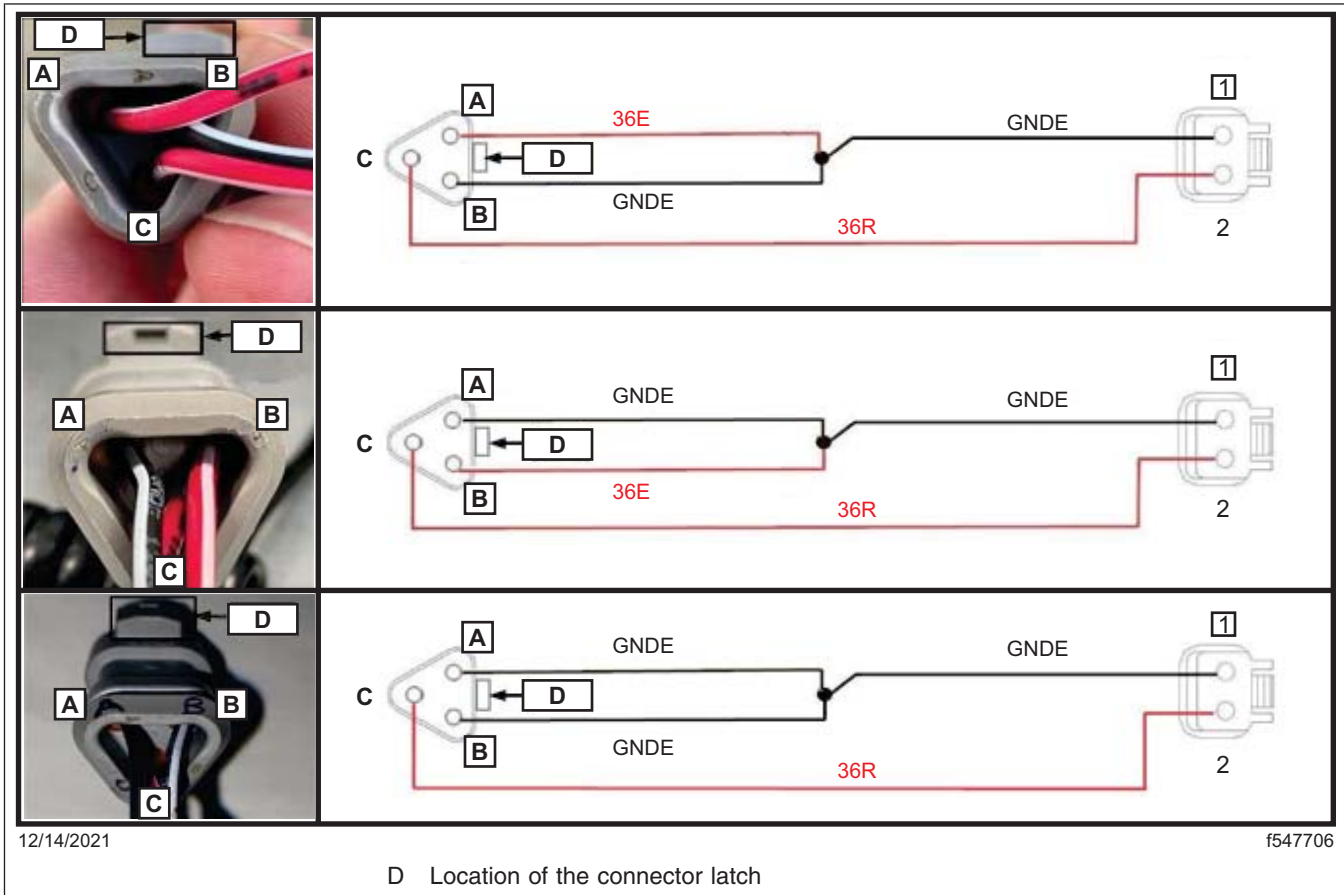


Fig. 5, Approved Jumper Harness

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- 5.3 Install the new 3-pin pressure switch on vehicles in **INT FL863-01**. Tighten the switch 84 to 108 lbf-in (950 to 1220 N-cm). See **Fig. 2**. Then reconnect the exiting connector. Vehicles in INT FL863-01 go to sub-step 5.4.
- 5.4 Open the DiagnosticLink and connect to the vehicle, turn vehicle ignition switch on, allow time for DiagnosticLink to connect with sSAM, open the "Instrumentation" tab, locate and open the "Service and Park Brake" panel. See **Fig. 7**.
- 5.5 With a minimum vehicle system air pressure of 60 psi, check the vehicle brake light function with DiagnosticLink while pressing & releasing the vehicle brake foot pedal and if equipped, pulling the vehicle trailer hand brake valve. The "Service Brake" panel status should show both "OFF" in normal state when brakes are not applied, see **Fig. 7** and show as "ON" when the brake foot pedal is pressed or if equipped, when the trailer hand valve is pulled. See **Fig. 6**. A slight delay between status of "OFF" and "ON" is normal. If the brake light function is not correct, check that jumper harness matches the acceptable variations on **Fig. 5** and is fully connected to dash harness and to brake pressure switch.
- 5.6 Check for air leaks at the new brake pressure switch while the vehicle brakes are applied. There should be no audible air leaks at brake pressure switch while brake pedal is pressed, and if equipped, when the trailer hand valve is pulled. If an air leak is found at the pass-through switch manifold then contact the Customer Assistance Center (CAC) for further instructions.

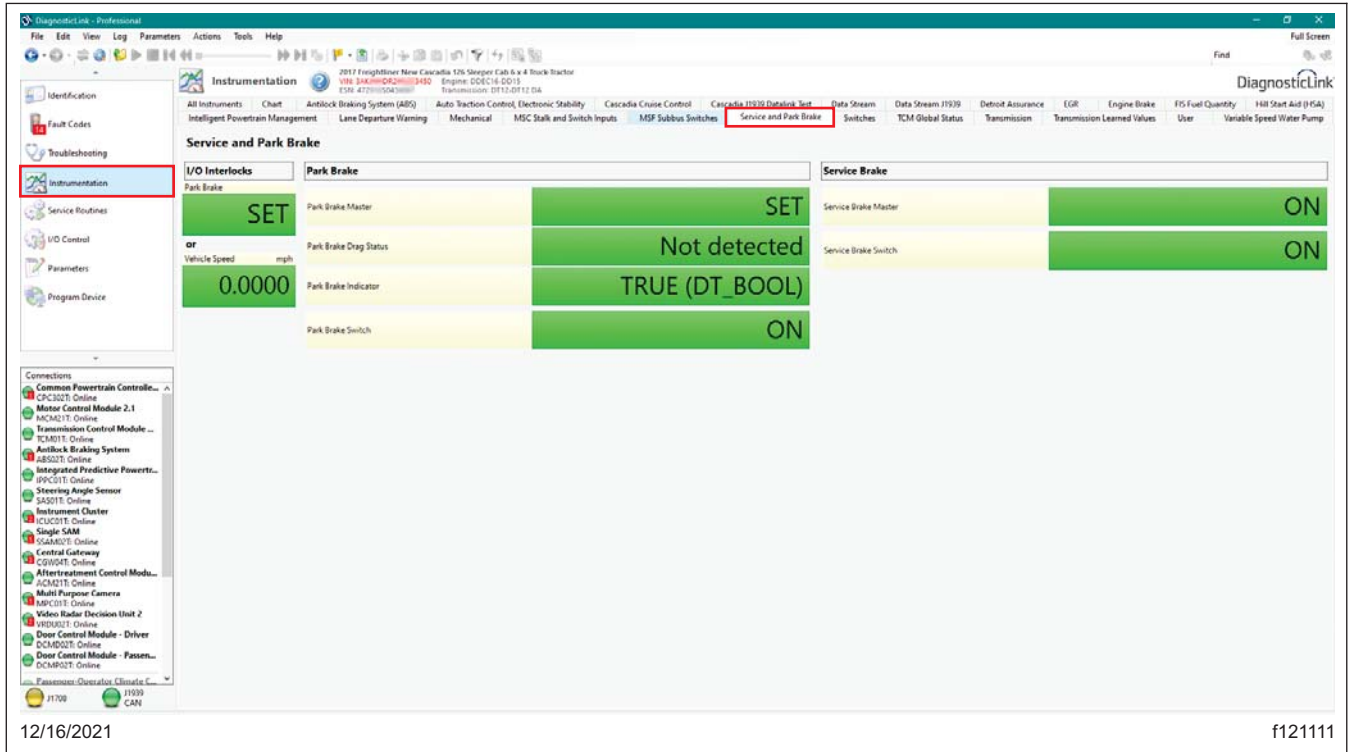


Fig. 6, Service Brake Panel Status When the Brake Pedal is Pressed

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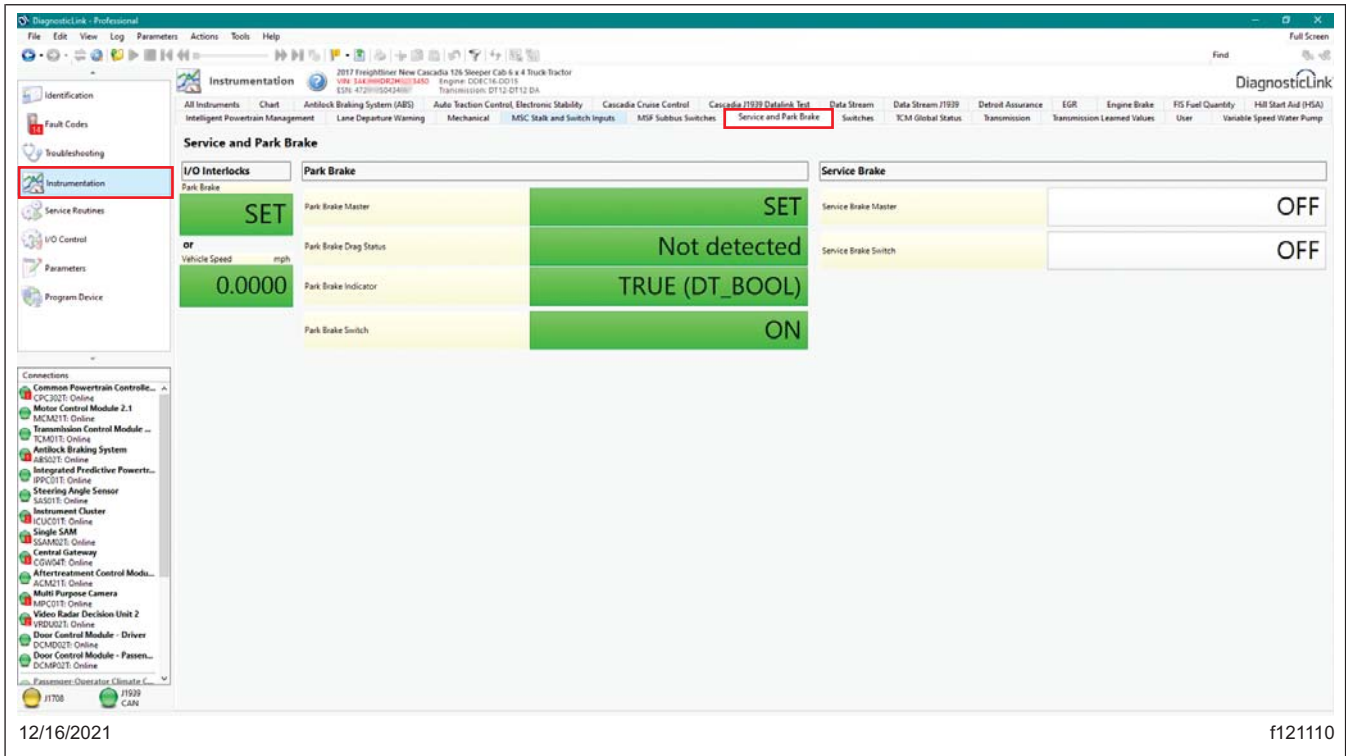


Fig. 7, Service and Park Brake Panel Status in Normal State

- Install the lower steering column and throttle cover dash panels. For Instructions on dash panels installation, refer to **Section 60.06.100** of the **New Cascadia Workshop Manual**.
- Vehicles in INT FL863-01, **DO NOT** place a sticker in the door. **File the INT FL863-01 recall claim immediately after completion of work.**

Vehicles in FL863A, clean a spot on the base label (Form WAR259). Write the recall number, FL863-A, on a blank red completion sticker (Form WAR260), and attach it to the base label to indicate this recall has been completed.