

# Authorized Field Change



AFC 22902

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**Date:** August 2022

**Subject File:** Engine

**Subject:** Body Control Module (BCM) Programming vehicles equipped with International® A26 engines

Model: International® HV™, HX®, LT® and RH™ Series trucks.

Start Date: 04/04/2019 End Date: 04/22/2022

Engine Family: International® A26

## DESCRIPTION

The Body Control Module (BCM) may have outdated software that could result in active Over-the-Air (OTA) programming fully completing, resulting in an inoperative Engine Control Module (ECM).

## ELIGIBILITY

This procedure applies ONLY to vehicles marked in the International® Service Portal<sup>SM</sup> with AFC 22902. Check and complete any other open campaigns also at this time.

## TOOLS INFORMATION

Table 1.

Description	Tool Number
EZ-Tech® or EST with Diamond Logic® Builder Software	N/A
Battery Charger 55 Amp	PSC550CC

## PARTS INFORMATION

No parts required.

## SERVICE PROCEDURE



**WARNING:** To prevent personal injury, and / or death, or damage to property, park vehicle on hard flat surface, turn the engine off, set the parking brake, and install wheel chocks to prevent the vehicle from moving in both directions.



**WARNING:** To prevent personal injury, and / or death, always wear safe eye protection when performing vehicle maintenance.



**WARNING:** To prevent personal injury, and / or death, or damage to property, keep flames or sparks away from vehicle and do not smoke while servicing the vehicle's batteries. Batteries expel explosive gases.

1. Park vehicle on a flat service.
2. Shift transmission to Park or Neutral, and set parking brake.
3. Turn vehicle ignition to Key OFF position.
4. Install wheel chocks.
5. Ensure that current vehicle's health report has been captured.
6. Connect battery charger / maintainer to vehicle's batteries.

**NOTE:** Only use NEXIQ USB-LINK™ 2 interface cables. Other varieties of cable may increase programming time or may be incompatible.

7. Using only NEXIQ USB-LINK™ 2 interface cables, connect EZ-Tech® or EST to vehicle.

**NOTE:** Delete vehicle's VIN from Diamond Logic® Builder (DLB) before proceeding. Deleting vehicle's VIN enables DLB to be populated with latest BCM data.

8. Turn vehicle ignition to Key ON, Engine OFF. Launch Diamond Logic Builder (DLB) software and click **SELECT** tab. Click on connect icon to stop reading if DLB connected automatically to vehicle. Delete vehicle's VIN if it appears in list.
9. Click on **CONNECT** icon to reconnect. DLB will detect vehicle's modules.

## SERVICE PROCEDURE (CONT.)

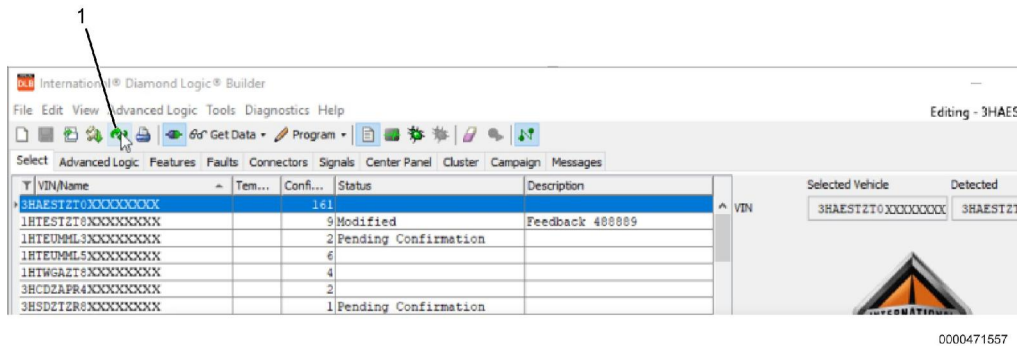


Figure 1. Update All icon

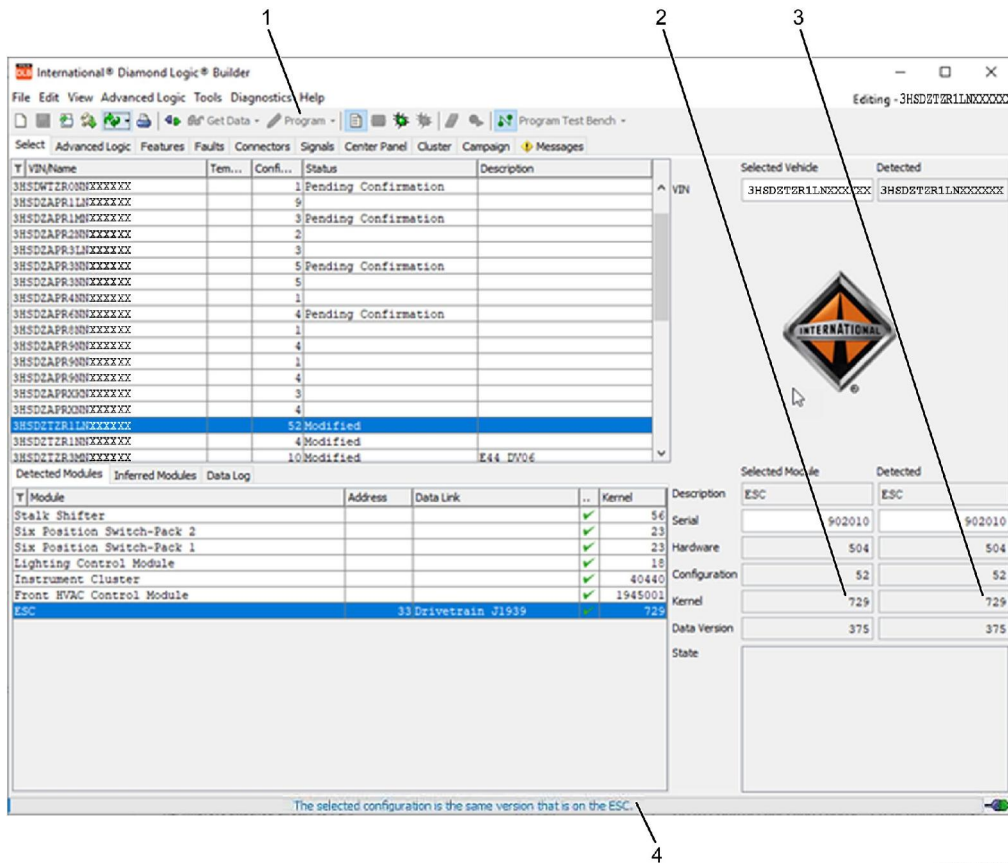
1. Update all Icon

**NOTE:** If messages about programming of BCM are displayed before you select program icon, respond to prompts as needed. No prompts requiring a response will be displayed after you have selected the Program icon.

**NOTE:** Programming could take as long as an hour. Headlights will turn on and off several times. Ensure that EZ-Tech® battery has sufficient charge to last for entire procedure.

10. Click on update all icon (Figure 1, Item 1) in toolbar. DLB will list latest module versions in **Kernel** column.

## SERVICE PROCEDURE (CONT.)



**Figure 2. Programming Complete**

1. Program button
2. Detected kernel version
3. Selected module kernel version
4. Status bar

**NOTE:** When update has been completed for selected module, kernel version listed in Selected Module column (Figure 2, Item 2) will match version listed in Detected column (Figure 2, Item 3). Also, status bar (Figure 2, Item 4) will display message: The selected configuration is the same that is on the ESC.

11. Click **Program** button (Figure 2, Item 1) in toolbar to begin updates. DLB will indicate programming status in status bar (Figure 2, Item 4) located at bottom of window.
12. Confirm that Electronic System Controller (ESC) module **Data Version** has been updated to **375** or higher.
13. Confirm that ESC module **Kernel** has been updated to **version 729** (Figure 2, Items 2 & 3) or higher.

**NOTE:** There may be pauses during update. Ensure that programming is complete before turning vehicle ignition to Key OFF and disconnecting EZ-Tech®.

14. Turn vehicle ignition to Key OFF position.

## SERVICE PROCEDURE (CONT.)

15. Turn vehicle ignition to Key ON, Engine OFF to ensure all Diagnostic Trouble Codes (DTCs) are read.
16. Enter **Diagnostic** mode and select **Faults** tab. Clear any listed DTCs. Refer to Diamond Logic® Builder Software (Basic Programming and Diagnostics Only) Diagnosing and Clearing Fault Codes section for detailed instructions.
17. Repeat Step 16 as needed to clear all inactive DTCs.
18. Turn ignition to key OFF position.
19. Disconnect interface connector from diagnostic port.
20. Disconnect battery charger / maintainer from vehicle battery.
21. Remove wheel chocks.

## LABOR INFORMATION

Operation number must appear on all claims.

**Table 2. Labor Information**

Operation No.	Description	Time
A40-22902-1	Reprogram BCM	0.3 hrs

## ADMINISTRATIVE PROCEDURE

Expense is to be charged to Warranty. Claims are to be submitted in the normal manner, making reference to Authorized Field Change Number 22902.

Section 7 of the Warranty Policy and Procedures Manual contains further information related to the submission and processing of AFC / Recall claims.

As with all claim submissions, items acquired locally must be submitted in the “Other Charges” tab. The cost of any bulk items (such as a bag of cable tie straps, roll of wire, barrel of oil, or tube of silicone) should be prorated for the cost of the individual pieces / amount used during each repair.

To ensure this important improvement is made in a timely manner, all claims for 22902 activity must be submitted by 17 August 2023 or within the normal warranty period for the component repaired, if after 17 August 2023.

GROUP				NOUN		C	WARR.	TP	PAD

GROUP — Enter number

NOUN — Leave blank

C (CAUSE) — Enter either 1, 2, 3. (See below)

- 1. Inspected (No repair required).
- 2. Inspected and repaired.
- 3. Defective part from parts stock.

WARRANTY — (Warranty Code) Enter 40.

TYPE PART — Enter P for type part causing failure.

PAD — Enter 100

0000047910