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**FIELD SERVICE CAMPAIGN – 22114**

28 June 2022

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**SUBJECT:**

eMV VCU Parameter Change

**MODELS INVOLVED:**

International® eMV™ Series truck

**DEFECT DESCRIPTION:**

Certain International® eMV™ Series trucks may need the cruise control enabled, and cruise control maximum speed parameters updated.

**ELIGIBILITY:**

This procedure applies ONLY to vehicles marked in the International® Service Portal<sup>SM</sup> with FSC 22114. Also complete any other open campaigns listed on the Service Portal at this time.

**TOOLS REQUIRED:**

Description	Tool Number
Battery Charger 55 Amp	PSC550CC
EZ-Tech® or EST with Texa IDC5 Software and Programming Rights	N/A
Navigator Txt Multihub Diagnostic Tool Kit	TEXANAVISTARPC

**Table 1** Tools Information

**PARTS REQUIRED:**

Not required

## WORK INSTRUCTIONS

**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.

**WARNING!** To prevent personal injury and / or death, NEVER service a high-voltage vehicle without completing high-voltage safety training. Before working on vehicle, read and obey all High-Voltage Safety and Lock-Out Tag-Out procedures and information.

**WARNING!** To prevent personal injury and / or death, wear and use approved high-voltage Personal Protective Equipment (PPE) when near a high-voltage electric vehicle. Inspect PPE before use. Do not use gloves or other PPE with expired dates, holes, cracks, or damage. NEVER touch energized orange high-voltage cables or high-voltage components without wearing approved high-voltage PPE.

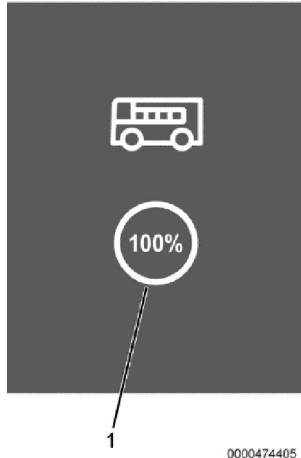
**WARNING!** To prevent personal injury and / or death, read all information in the Safety Information and High-Voltage Safety sections of the service manual.

**WARNING!** To prevent personal injury and / or death, or damage to property, remove the ground cable from the negative terminal of the battery box before disconnecting any electrical components. Always connect the ground cable last.

**WARNING!** To prevent personal injury and / or death, or damage to property, if the vehicle must be raised, do not work under the vehicle supported only by jacks. Jacks can slip or fall over.

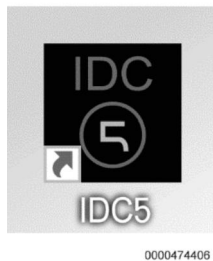
1. Park vehicle on a level surface.
2. Shift transmission into Park or Neutral and set parking brake.
3. Turn ignition to Key OFF position.
4. Install wheel chocks.

5. Obtain vehicle's current health report for reference.
6. Connect battery charger / maintainer to vehicle battery.
7. Connect interface to 9 PIN (J1939).
8. Turn ignition to Key ON, Engine OFF.



**Figure 1. Navistar Environment**

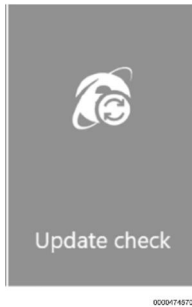
1. Loading status



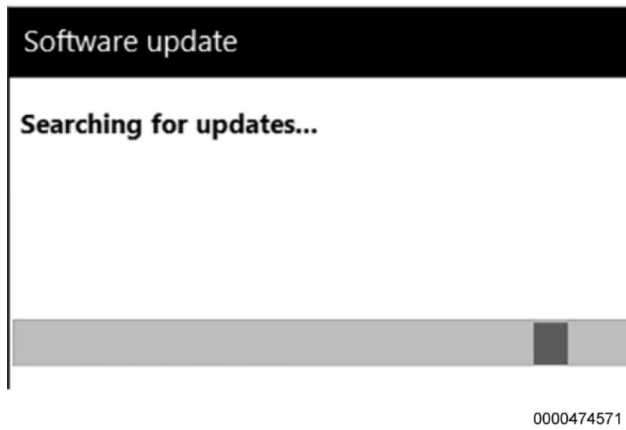
**Figure 2. IDC5 Icon**

**NOTE: Wait until the Navistar environment is completely loaded (100%) before launching Texa IDC5 software (Figure 1, Item 1).**

9. Launch Texa IDC5 by selecting the **IDC5** icon (Figure 2).

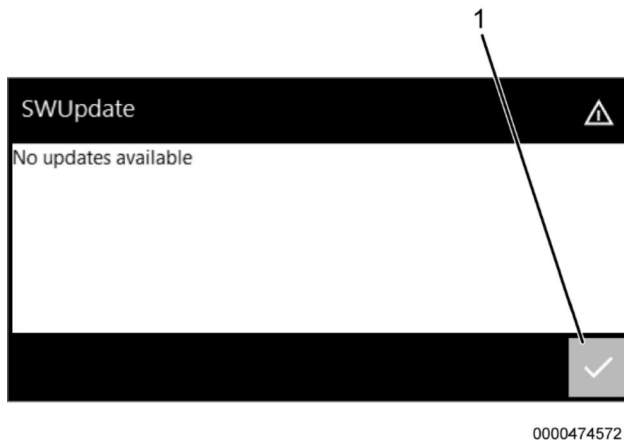


**Figure 3. Update Check**



**Figure 4. Searching for Updates**

10. Select **Update Check** (Figure 3) to search for available updates (Figure 4).



**Figure 5. No Updates Available**

1. Check mark

11. Checking for software updates:

- a. If updates are available, follow all required prompts. When completed, continue with Step 12.
- b. If no updates are available, select the check mark located in the lower right corner of the window (Figure 5, Item 1). Continue with Step 12.

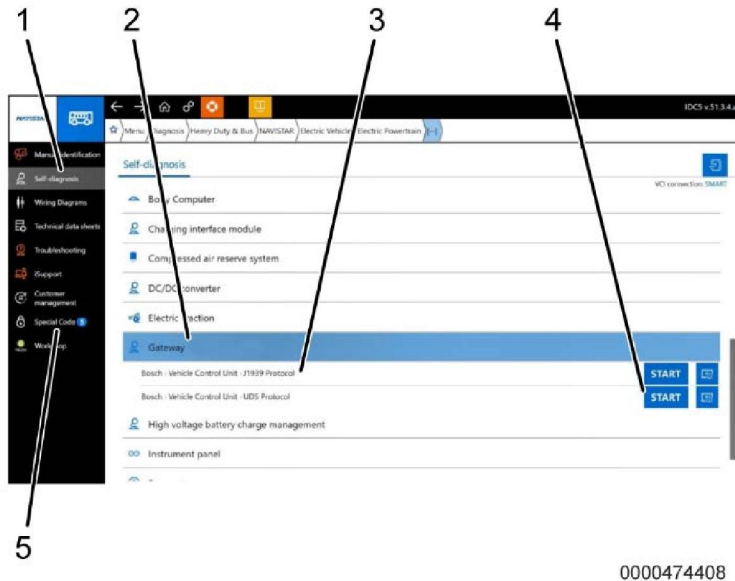
12. Verify IDC5 software version: it should be V.51.3.6 or later.



**Figure 6. Navistar Environment**

1. NAVISTAR selection

13. Select **NAVISTAR** (Figure 6, Item 1) and click **Next**.



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**Figure 7. Texa IDC5 Software – Self-Diagnosis Screen**

1. Self-diagnosis menu
2. Gateway option
3. BOSCH > Vehicle Control Unit > UDS Protocol
4. START button
5. Special code(s)

**NOTE: An error message will appear if special codes are needed when trying to access programming sections within the software.**

14. Check for any special codes.

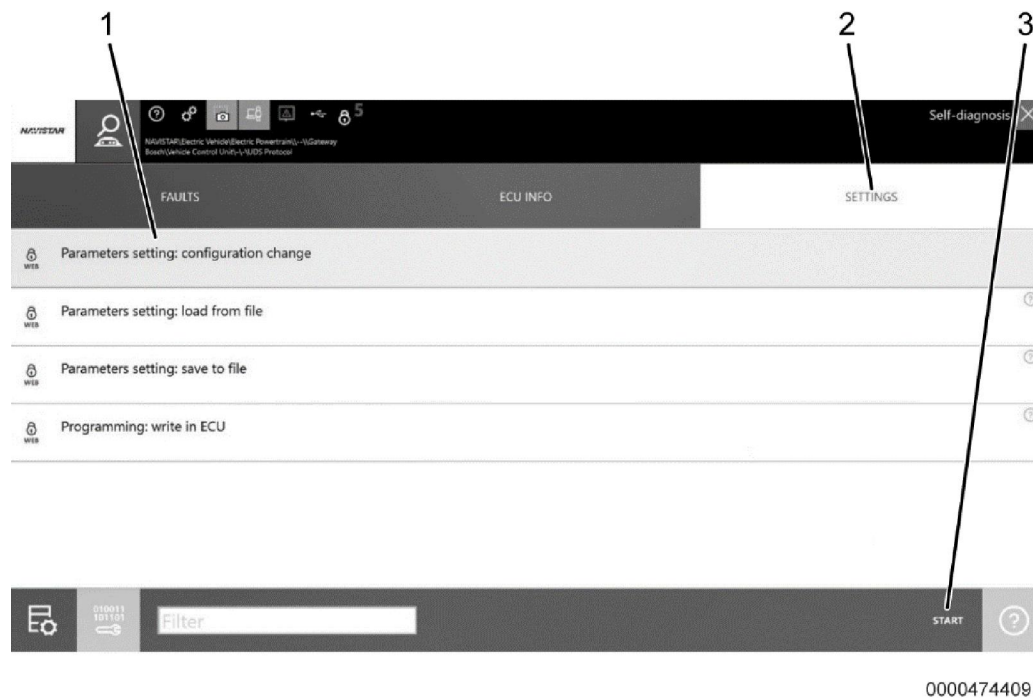
- a. If a special code (or codes) is present (Figure 7, Item 5 displays 5 special codes), then programming rights are available. Proceed to Step 16.
- b. If no codes are present, programming rights must be enabled. Continue with Step 15.

15. Contact Texa and provide them with HASP key and Multihub serial numbers.

16. Select **Self-Diagnosis** menu (Figure 7, Item 1).

17. Select **Gateway** option (Figure 7, Item 2).

18. Next to BOSCH > Vehicle Control Unit > UDS Protocol (Figure 7, Item 3), select corresponding **START** button (Figure 7, Item 4).

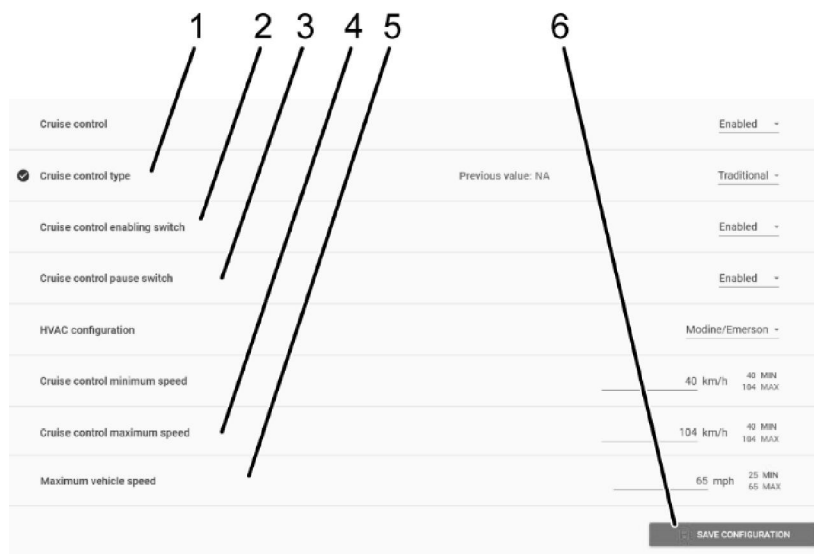


**Figure 8. Texa IDC5 Software – Settings Screen**

1. Parameters setting: configuration change option
2. SETTINGS tab
3. START button

**NOTE: Faults tab displays by default when the session loads.**

19. Select **SETTINGS** tab (Figure 8, Item 2).
20. Select **Parameters Setting: Configuration Change** option (Figure 8, Item 1)
21. Select **START** button (Figure 8, Item 3).
22. Select **Confirm** to continue.



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**Figure 9. Texa IDC5 Software – Programmable Parameters Screen**

1. Cruise control type enabling switch
2. Cruise control enabling switch
3. Cruise control pause switch
4. Cruise control maximum speed
5. Maximum vehicle speed
6. SAVE CONFIGURATION button

**NOTE: Minimum and maximum values are shown in the utility. Texa IDC5 will not accept values outside minimum and maximum range.**

23. Select drop-down for Cruise control type enabling switch (Figure 9, Item 1) and change to **Traditional**.
24. Select drop-down for Cruise control enabling switch (Figure 9, Item 2) and change to **Enable**.
25. Select drop-down for Cruise control pause switch (Figure 9 Item 3) and change to **Enable**.
26. Change Cruise control maximum speed (Figure 9, Item 4) to **65 mph**.
27. Change Maximum vehicle speed (Figure 9, Item 5) to **65 mph**.

28. Select **SAVE CONFIGURATION** button (Figure 9, Item 6).
29. Turn ignition to Key OFF position.
30. Disconnect interface connector from diagnostic port.
31. Disconnect battery charger / maintainer from vehicle battery.
32. Remove wheel chocks.

## LABOR INFORMATION

Operation number must appear on all claims.

Operation Number	Description	Time
A40-22114-1	Update Max Cruise & Vehicle Speeds Parm	0.5 hrs

**Table 2** Labor Information

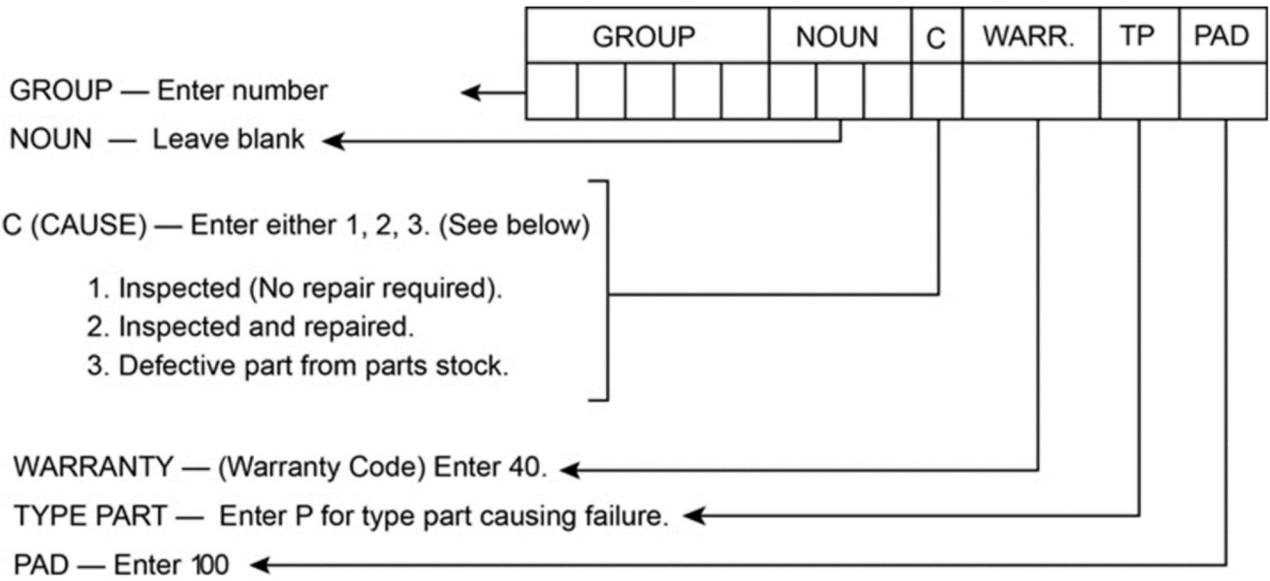
## WARRANTY CLAIMS

Warranty claim expense is to be charged to Warranty. Claims are to be submitted in the normal manner, making reference to Field Service Campaign 22114.

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 make sure this important improvement is made in a timely manner, all claims for 22114 activity must be submitted by 28 June 2023 or within the normal warranty period for the component repaired, if after 28 June 2023.



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