Enabling Virtual Regen Request Switch in ICU Menu

TSB-54-371-FTL

Creation Date: 2024-09-17
Last Revision Date: 2025-10-01

Engine or Vehicle Affected:

- 108SD Plus/114SD Plus
- Business Class M2-Plus

Description of Revisions: This bulletin replaces the version dated 2024-09-17. The affected vehicle list has been updated, and the relevant VMRS codes have been included.

This is an informational bulletin only. The described condition is a product improvement and is not warrantable.

Described Condition

M2 Plus, 108SD Plus, and 114SD Plus vehicles built from May 9, 2023, through March 28, 2024, and equipped with a Cummins engine may experience an issue where the virtual regen request switch is not enabled in the ICUC, preventing the driver from manually requesting a regeneration. Changing the parameter in the Instrumentation Control Unit (ICUc) will enable the virtual switch. See Fig. 1. Follow the procedure below to change the parameter and reprogram the ICUC01T to enable the virtual manual regen request switch. See Fig. 2.

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Fig. 1, Disabled Manual Regen Virtual Switch

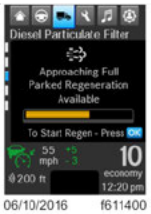

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Fig. 2, Enabled Manual Regen Virtual Switch

Programming the ICUC01T

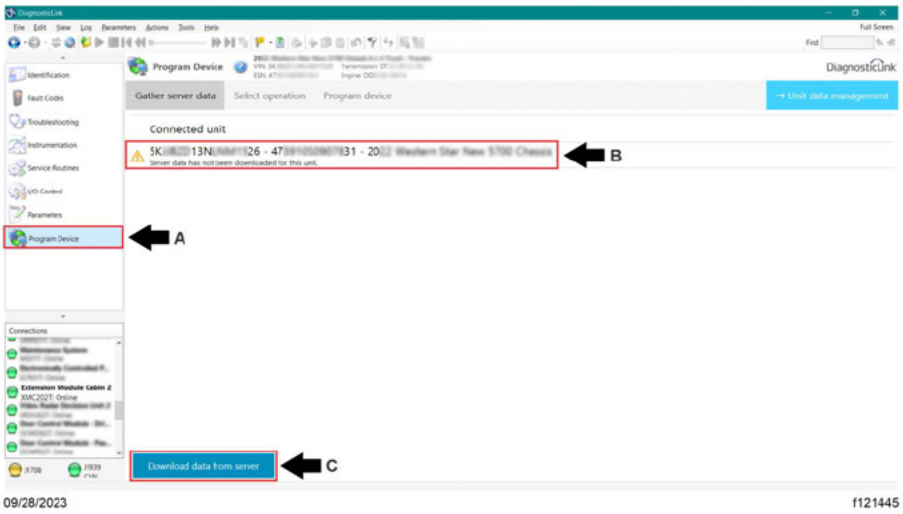
1. Park the vehicle on a level surface, shut down the engine, and set the parking brake. Chock the tires.
2. Turn the keyswitch to the ON position.
3. Connect an RP1210B-compliant vehicle diagnostic adaptor to the diagnostic connector on the vehicle. Connect the other end of the adaptor to the laptop.

Important: Make sure that DiagnosticLink is updated to the latest version (8.21 SP3 at the time of publication or newer) before programming the vehicle. To update DiagnosticLink, from the menu bar, select 'Tools,' then select 'Update' from the dropdown menu.

4. Open DiagnosticLink®.

5. Use the DTNA Portal credentials to connect DiagnosticLink to the server.

6. Select 'Gather server data,' and select the Vehicle Identification Number (VIN). Then select 'Download data from server.' See Fig. 3.



A. Go to the 'Program Device' tab.
B. The connected unit is shown here.
C. Select 'Download data from server.'

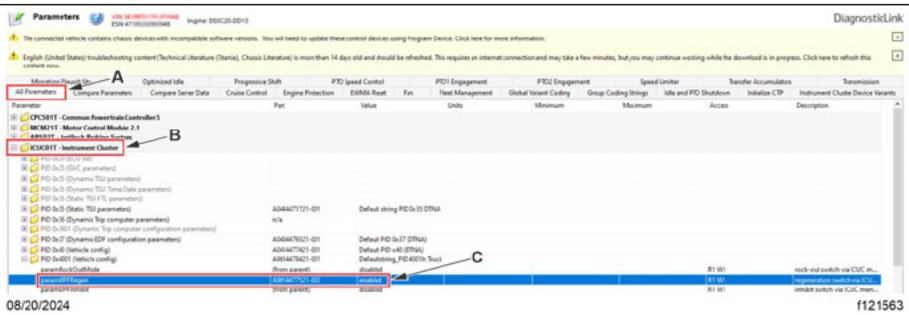
Fig. 3, Downloading Data from the Server

7. When the data download is complete, a green check mark appears next to the VIN on the 'Gather server data' screen.

8. Go to the 'Parameters' tab. Select and expand the 'ICUC01T - Instrument Cluster' folder.

9. Select and expand the 'PID 0X4001 (Vehicle config)' sub-folder.

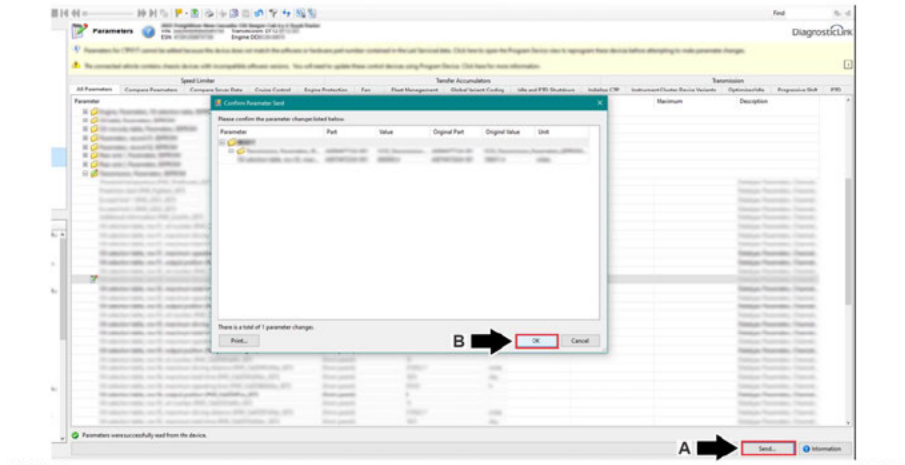
10. Select the 'paramDPFRegen' parameter, and set the parameter value to 'A9614477521-002.' See Fig. 4.



A. 'All Parameters' is selected by default.
B. Select and expand the 'ICUC01T - Instrument Cluster' parameter folder.
C. Set the 'paramDPFRegen' parameter value to 'A9614477521-002.'

Fig. 4, Updating the ICUC Parameter Part Number

11. Select the 'Send' button to write the parameter changes to the ICUC01T Electronic Control Unit (ECU) in the vehicle. A window opens asking to confirm the parameter change; select 'OK.' See 5.

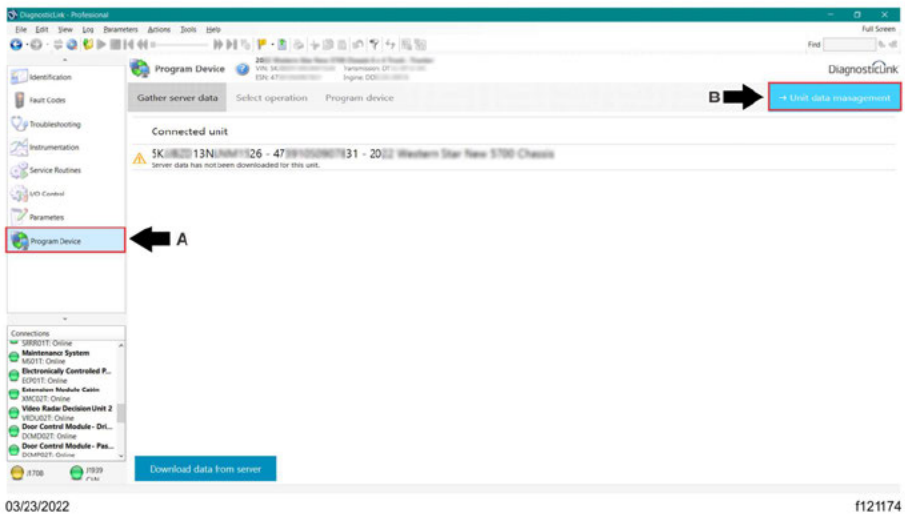


A. Select the 'Select' button.

B. Select 'OK' to confirm the parameter changes.

Fig. 5, Writing the Parameter Changes to the Vehicle

12. Once the parameter change is complete, go to the 'Program Device' tab. Select 'Unit data management' in the upper-right corner. See Fig. 6.



A. Go to the 'Program Device' tab.

B. Select 'Unit data management.'

Fig. 6, Selecting Unit Data Management

13. The information corresponding to the VIN should appear under the 'Unit data for upload' panel. Select 'Connect to server' to upload the new parameters. See Fig. 7.

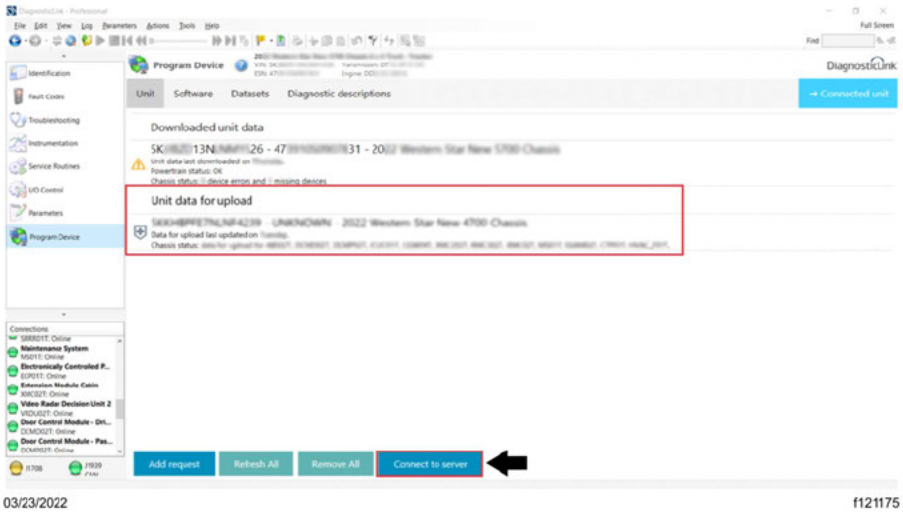


Fig. 7, Uploading the New Parameters

14. Once the parameter updates are uploaded to the server, disconnect the vehicle from DiagnosticLink.

15. Turn the keyswitch to the OFF position.

Warranty

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Note:

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