

Off-Road/Low Traction Throttle Parameter Update

TSB-30-001-WST

Creation Date:2024-02-22

Engine or Vehicle Affected:

- ▶ 57X
- ▶ 49X
- ▶ 47X

General Information

Western Star vehicles built before May 29, 2023 and equipped with a Cummins engine may experience varying torque outputs if wheel rotation differences occur during rough or off-road operation when instantaneous wheel slip events trigger an antilock brake system (ABS) sensor that wheel slip has occurred. To facilitate such off-road operation with a minimum of torque loss and continued ABS function, the central gateway (CGW) must be reprogrammed. Follow the procedure below to reprogram the CGW.

Programming the CGW

1. Park the vehicle on a level surface, shut down the engine, and apply the parking brake. Chock the tires.
2. Connect a laptop with DiagnosticLink® to the vehicle diagnostic connector.
3. Go to 'Program Device' and make sure that the vehicle identification number (VIN) is correct. See Fig. 1.

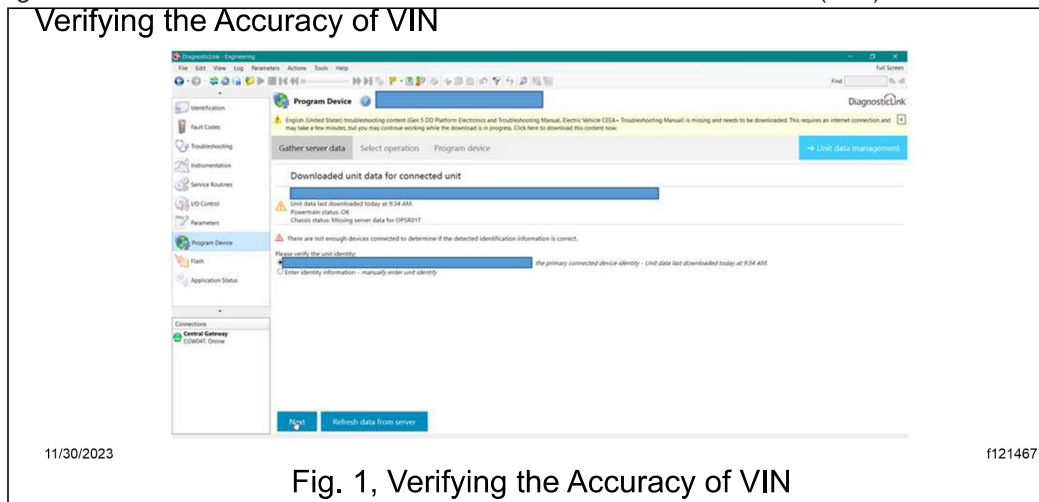
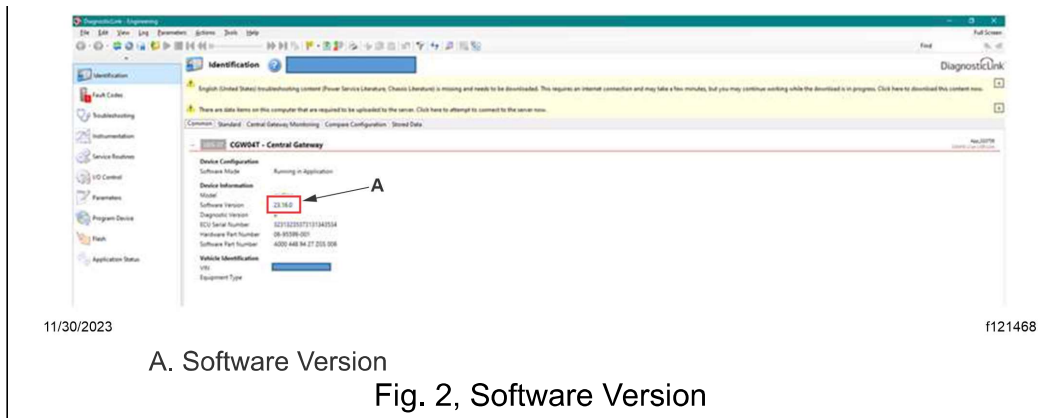


Fig. 1, Verifying the Accuracy of VIN

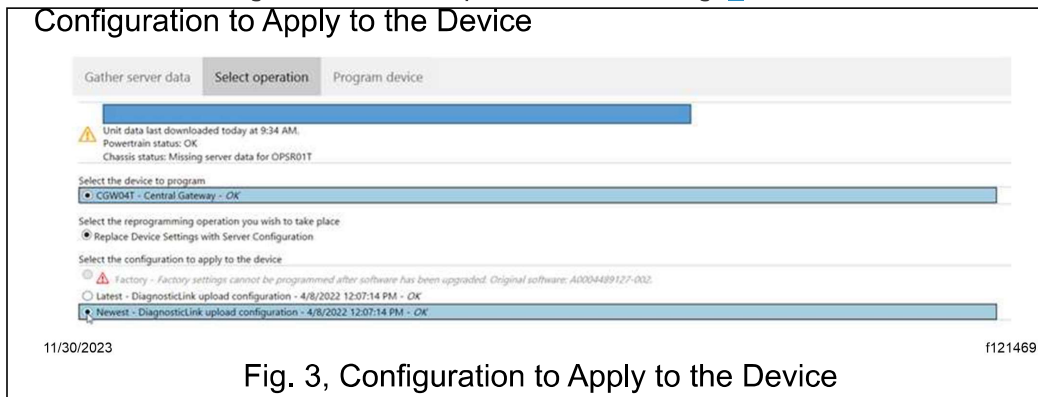
4. Click on 'Connect to Server,' then press 'Next.'
5. Ensure the software version of the CGW is prior to 23.XX.X code. See Fig. 2.

Software Version



6. Choose the CGW04T from the 'Select the device to program' list.

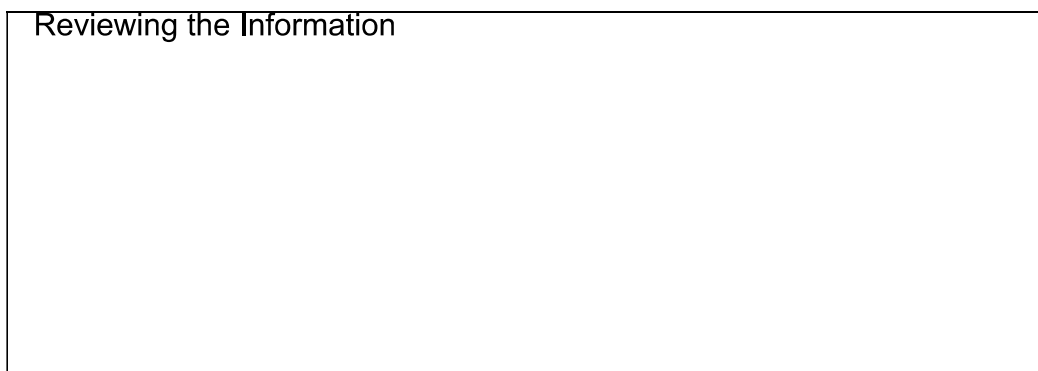
7. Select 'Newest' from the configuration list, then press 'Next.' See Fig. 3.



8. Ensure programming data is targeting the new software part number from the list below (additional part numbers will be loaded when available). See Table 1 and Fig. 4.

New and Old Software Part Numbers	
Previously Released Software Part Number	New Software Part Number
0004489127_003	0004489127_004
0004489027_023	0004489027_025
0004488627_001	0004488627_002
0004488827_009	0004488827_010
0004489227_005	0004489227_006
0004488727_001	0004488727_002

Table 1, New and Old Software Part Numbers



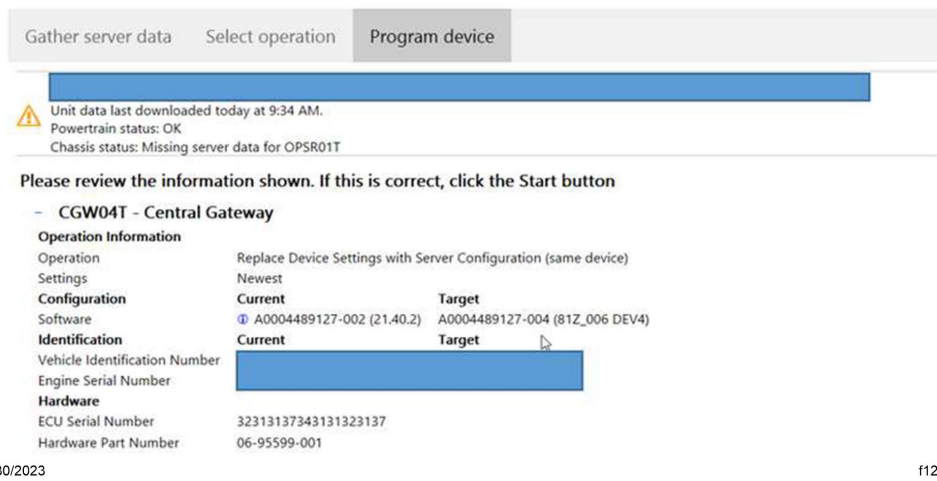


Fig. 4, Reviewing the Information

9. After reviewing the information, click 'Start' to program the CGW. See Fig. 5.

Programming CGW

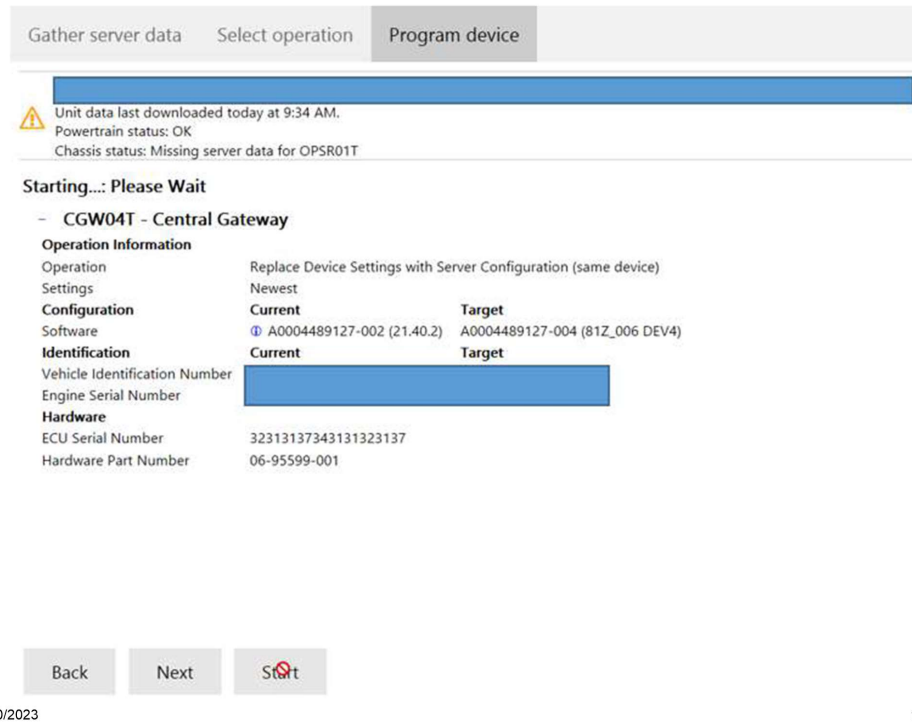
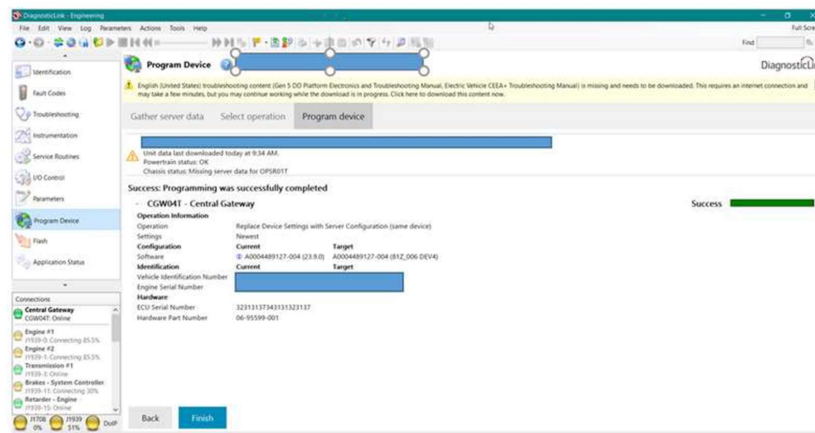


Fig. 5, Programming CGW

10. Once successfully programmed, click 'Finish'. See Fig. 6 and Fig. 7.

Programmed Successfully



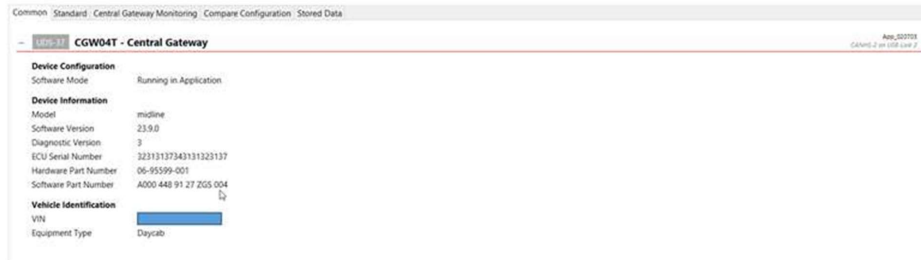


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Fig. 6, Programmed Successfully

Updating Verification



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Fig. 7, Updating Verification

11. Select 'Connect to server' to upload the changes.

12. Disconnect the vehicle from DiagnosticLink.

13. Turn the ignition switch to the OFF position.

14. Disconnect the laptop.

Warranty

This is an informational bulletin only. Warranty does not apply.

Note

Component Code / VMRS = 013-011-145 SOFTWARE - ABS SYSTEM

Note:

Document Number:0000095907