

Grote OEM and Alliance Aftermarket Headlamp Replacement

TSB-54-384-FTL

Creation Date: 2026-05-15

Engine or Vehicle Affected:

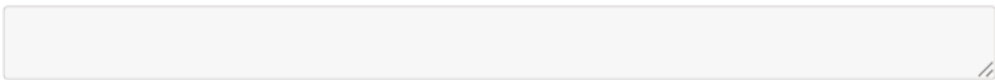
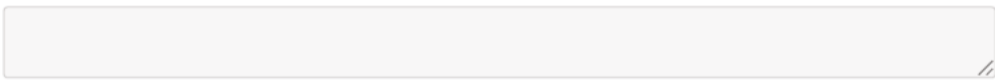
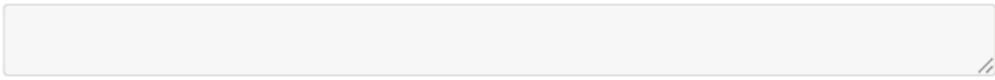
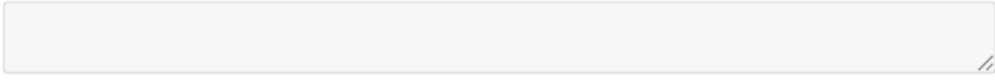
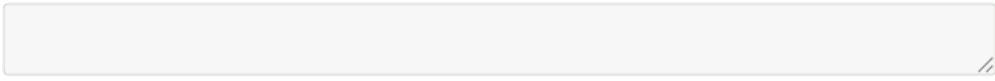
- ▶ Business Class M2-Plus
- ▶ Business Class M2

Warranty applies to this described condition. See the warranty information at the end of this bulletin.

Described Condition

Business Class M2 and M2+ vehicles equipped with Hella headlights will have those headlights replaced with a new supplier, Grote. For legacy M2 vehicles, replacement of Hella headlights with Grote OEM headlights may require headlamp parameter updates. When applicable, the headlamp parameters must be updated using the CHEC tool to ensure proper operation. For M2+ vehicles, only headlamp replacement is required; no headlamp parameter updates, programming, or CHEC actions are necessary. Grote OEM and Alliance aftermarket headlights are available as replacement options. When Alliance aftermarket headlights are installed, no additional programming or labor action is required. One or both headlights may be replaced based on customer request; however, replacing both headlights is recommended to avoid differences in appearance and functionality between OEM and aftermarket designs. This bulletin does not apply to vehicles without DRLs or to vehicles equipped with American Chrome or Alliance aftermarket headlights.

Procedure

- Park the vehicle on a level surface, shut down the engine, and set the parking brake. Chock the tires.

- Open the hood.

- Replace the headlights. See [Replacement of Headlights and Park/Turn Signal Light Assembly, Exterior Lights, Forward Lighting Systems](#).

- Verify and adjust the headlights as needed.

- Log into the CHEC tool to update the server with the correct reference parameters (RPs) required for the BHM to allow for correct lamp function.

- In the CHEC tool, go to 'Vehicles.' See Fig. 1.

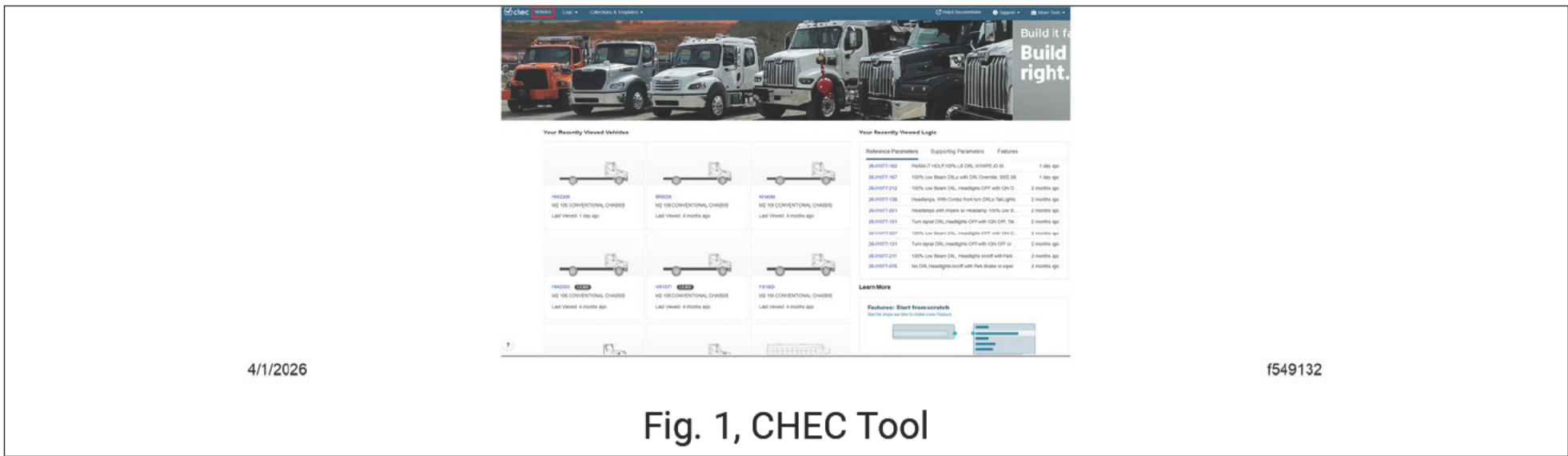


Fig. 1, CHEC Tool

7. Enter the vehicle identification number (VIN) and verify the search results to build the vehicle. See Fig. 2.

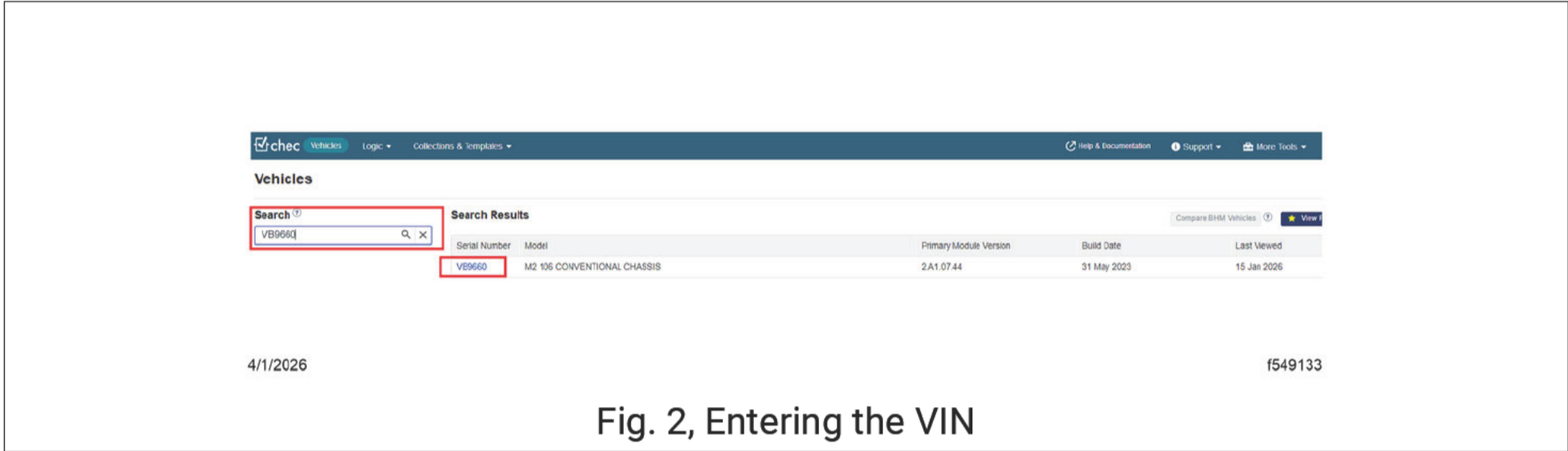


Fig. 2, Entering the VIN

8. Add or replace the RPs. See Fig. 3.

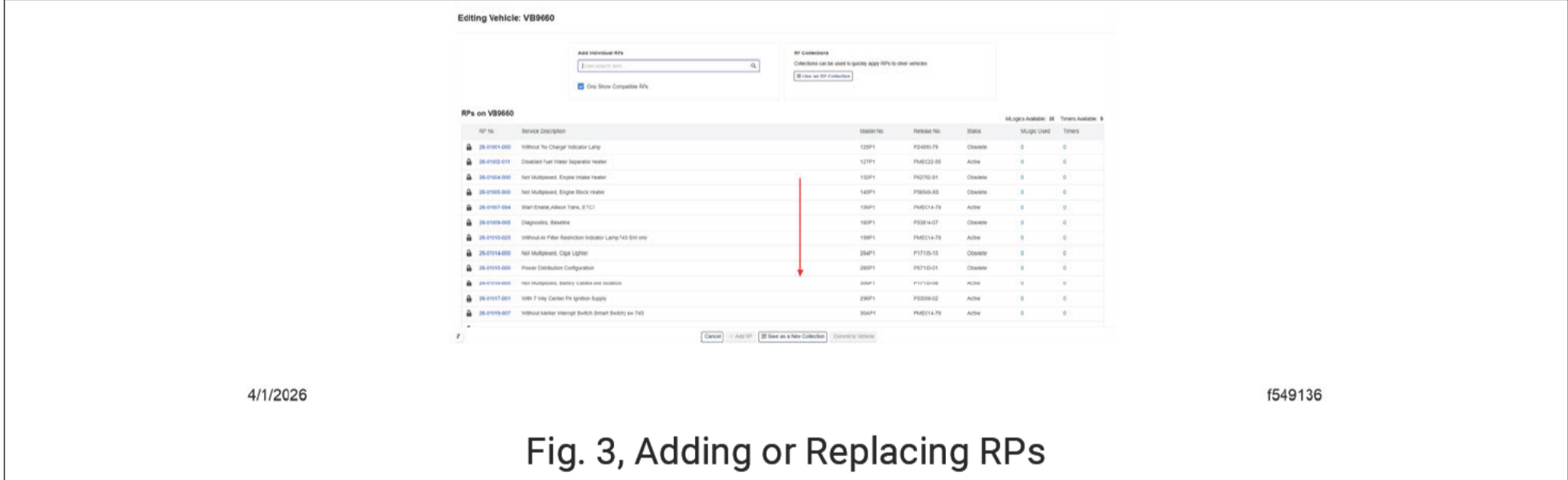


Fig. 3, Adding or Replacing RPs

9. Select 'I want to Continue,' to update the service record. See Fig. 4.

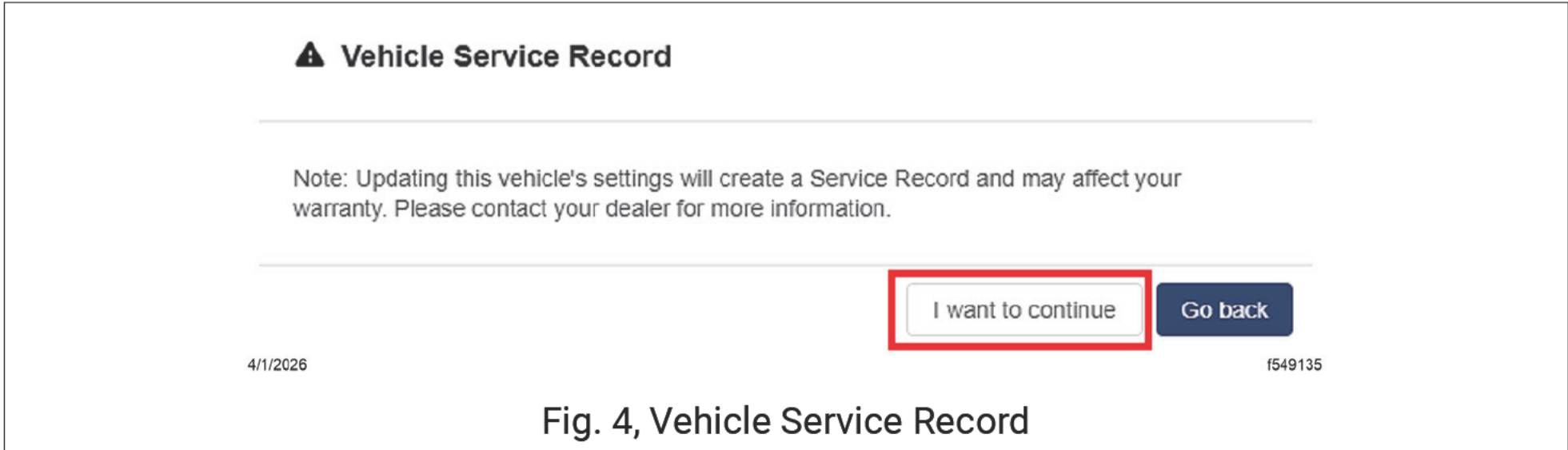
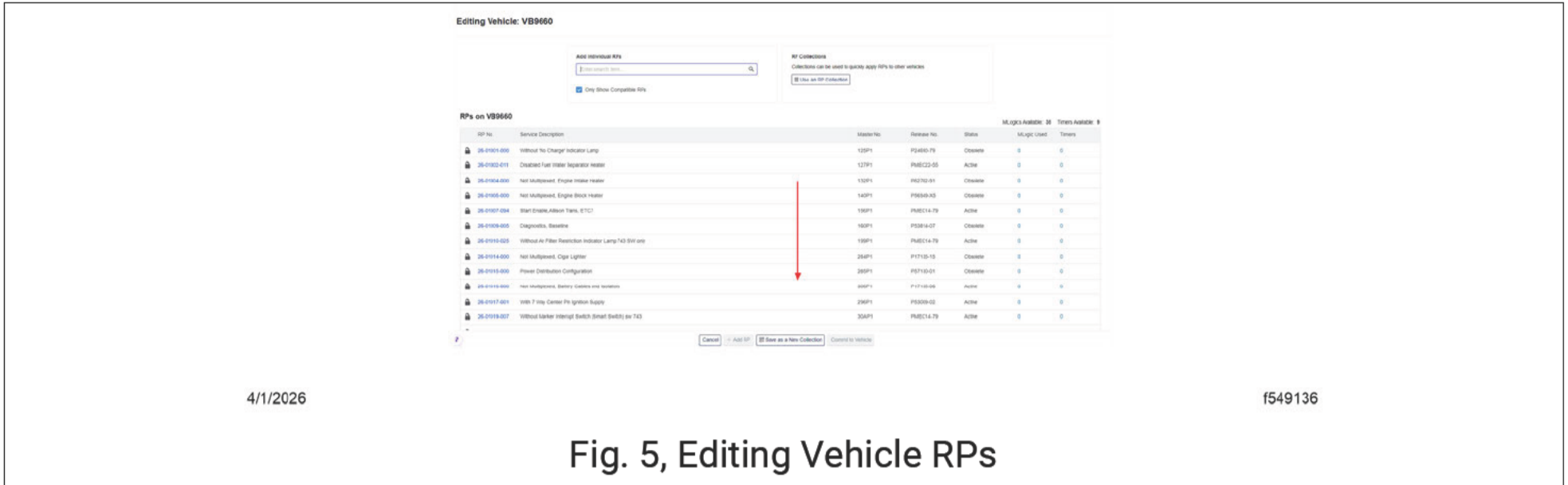


Fig. 4, Vehicle Service Record

10. In the 'Edit Vehicle RPs,' scroll down to find current headlight RPs and note what RP is currently set. See Fig. 5.



11. Once the Current RP is identified, use the table below to identify the old RP and add the corresponding new RP. See Fig. 6 and Table 1.



Table 1, Old Versus New RPs

Old PWM LB RP	Old Turn RP	New LB RP
26-01077-009	26-01077-005/010/011/036/109/110/111/118	26-01077-158
26-01077-017	26-01077-016	26-01077-159
26-01077-022		26-01077-160
26-01077-026	26-01077-025	26-01077-161
26-01077-028	26-01077-027	26-01077-162
26-01077-030	26-01077-031	26-01077-163
26-01077-037		26-01077-164
26-01077-039	26-01077-038	26-01077-165
26-01077-040	26-01077-021/041/120	26-01077-166
26-01077-043	26-01077-013/112/119	26-01077-167
26-01077-045		26-01077-168
26-01077-048		26-01077-169
26-01077-049		26-01077-170
26-01077-051	26-01077-050	26-01077-171
26-01077-052		26-01077-172
26-01077-055		26-01077-173
26-01077-056		26-01077-174
26-01077-059	26-01077-058/064/074/128/130	26-01077-175

Old PWM LB RP	Old Turn RP	New LB RP
26-01077-060		26-01077-176
26-01077-061		26-01077-177
26-01077-063		26-01077-178
26-01077-065		26-01077-179
26-01077-066		26-01077-180
26-01077-072		26-01077-181
26-01077-073		26-01077-182
26-01077-077		26-01077-183
26-01077-078		26-01077-184
26-01077-079		26-01077-185
26-01077-080		26-01077-186
26-01077-081		26-01077-187
26-01077-082		26-01077-188
26-01077-083	26-01077-114	26-01077-189
26-01077-133		26-01077-190
26-01077-134		26-01077-191
26-01077-135		26-01077-192
26-01077-136		26-01077-193
26-01077-137		26-01077-194
26-01077-142		26-01077-195
26-01077-146		26-01077-196
26-01077-147		26-01077-197
26-01077-148		26-01077-198
26-01077-149	26-01077-140	26-01077-199
26-01077-150	26-01077-145	26-01077-200
26-01077-152	26-01077-143/138	26-01077-201
26-01077-153	26-01077-144	26-01077-202
26-01077-154	26-01077-139	26-01077-203
26-01077-155	26-01077-141	26-01077-204
26-01077-156		26-01077-205
26-01077-157		26-01077-206
	26-01077-151	26-01077-207
	26-01077-002	26-01077-208
	26-01077-012	26-01077-209
	26-01077-044	26-01077-210
	26-01077-076	26-01077-211
	26-01077-131	26-01077-212

Table 1, Old Versus New RPs

12. Find the new RP and scroll back up to the add individual RPs.

13. Type in the RP found in the table listed as new RP. Select 'Add RP' See Fig. 7.

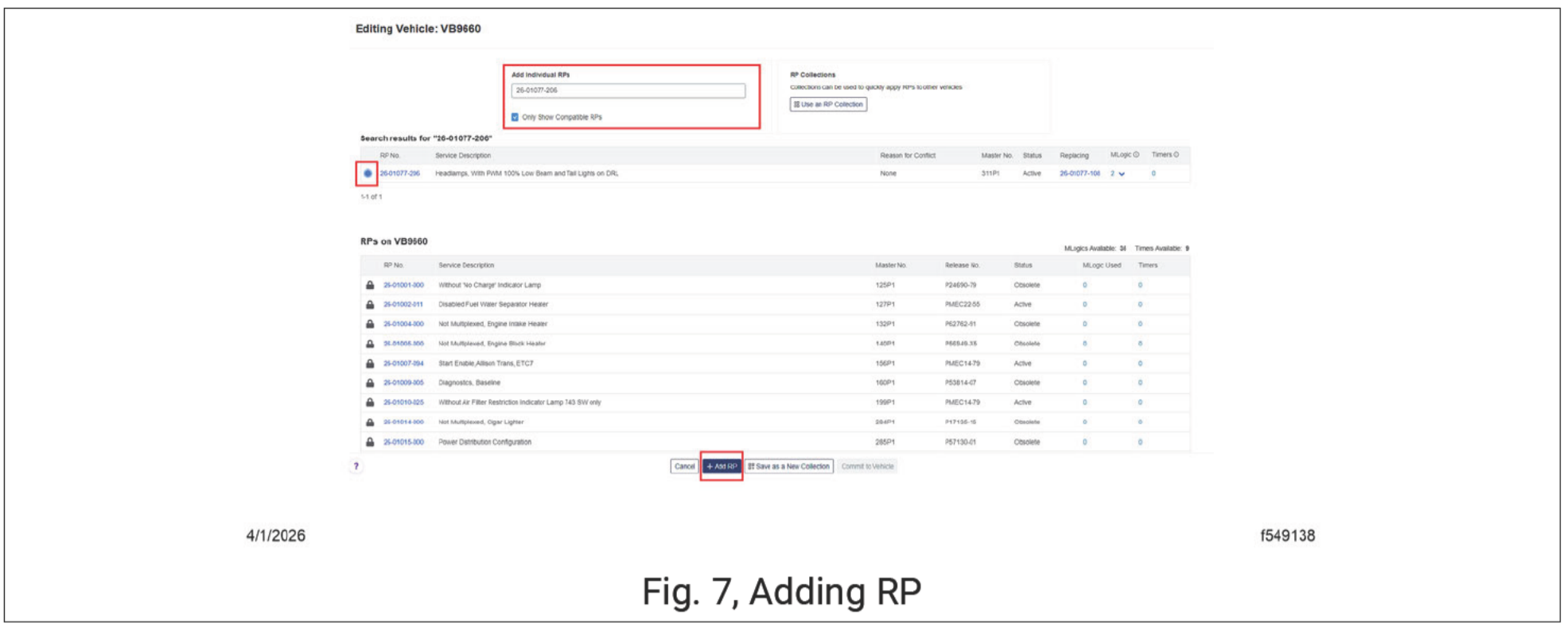


Fig. 7, Adding RP

14. Verify the new RP and commit it to the vehicle. See Fig. 8.

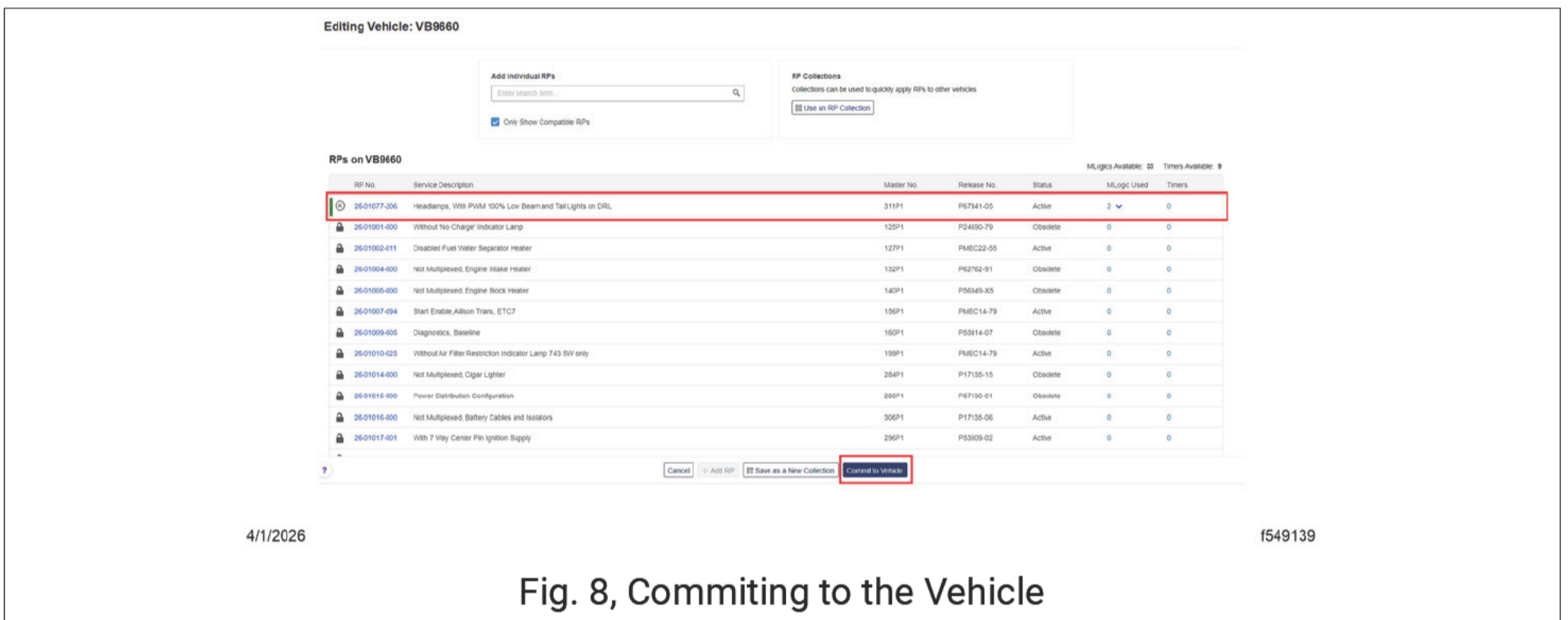


Fig. 8, Committing to the Vehicle

15. Verify the RP being added and the RP being replaced. Leave the Note: 'Updating BHM DRL Reference Parameter for Grote LED Compatibility.' See Fig. 9.

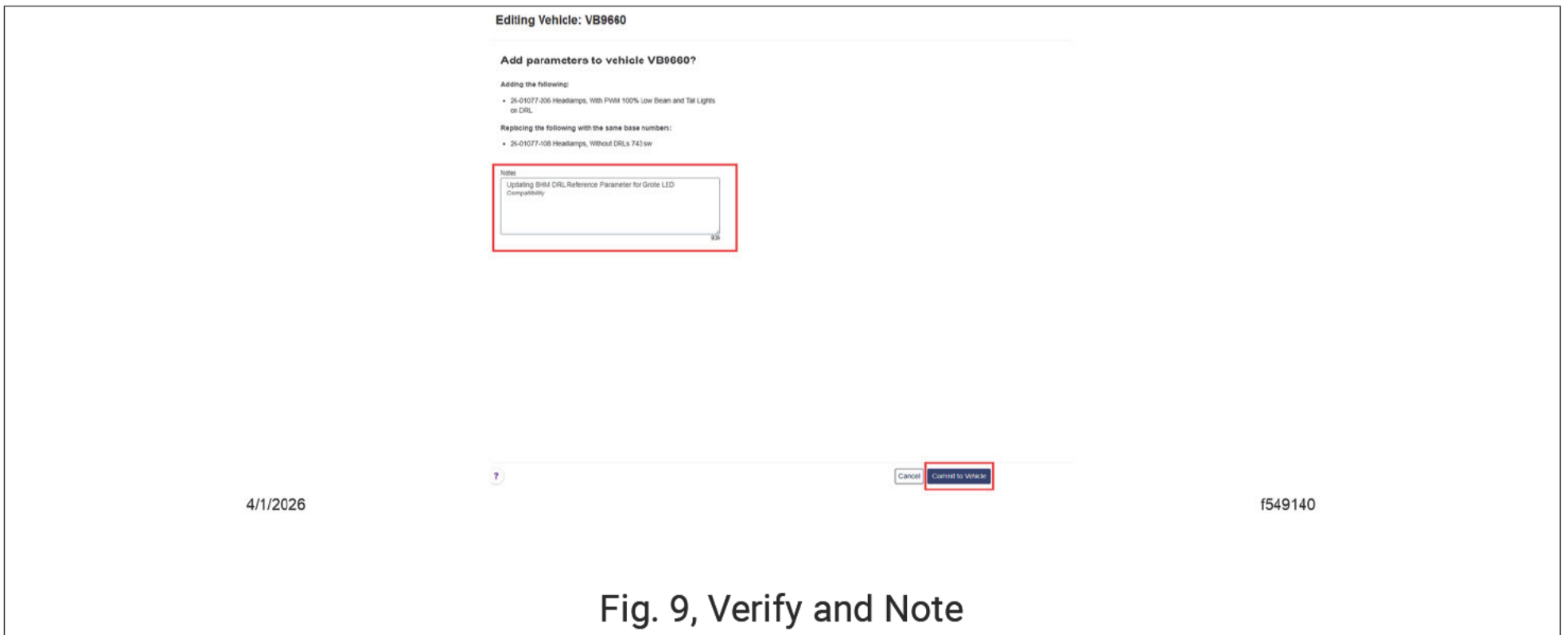
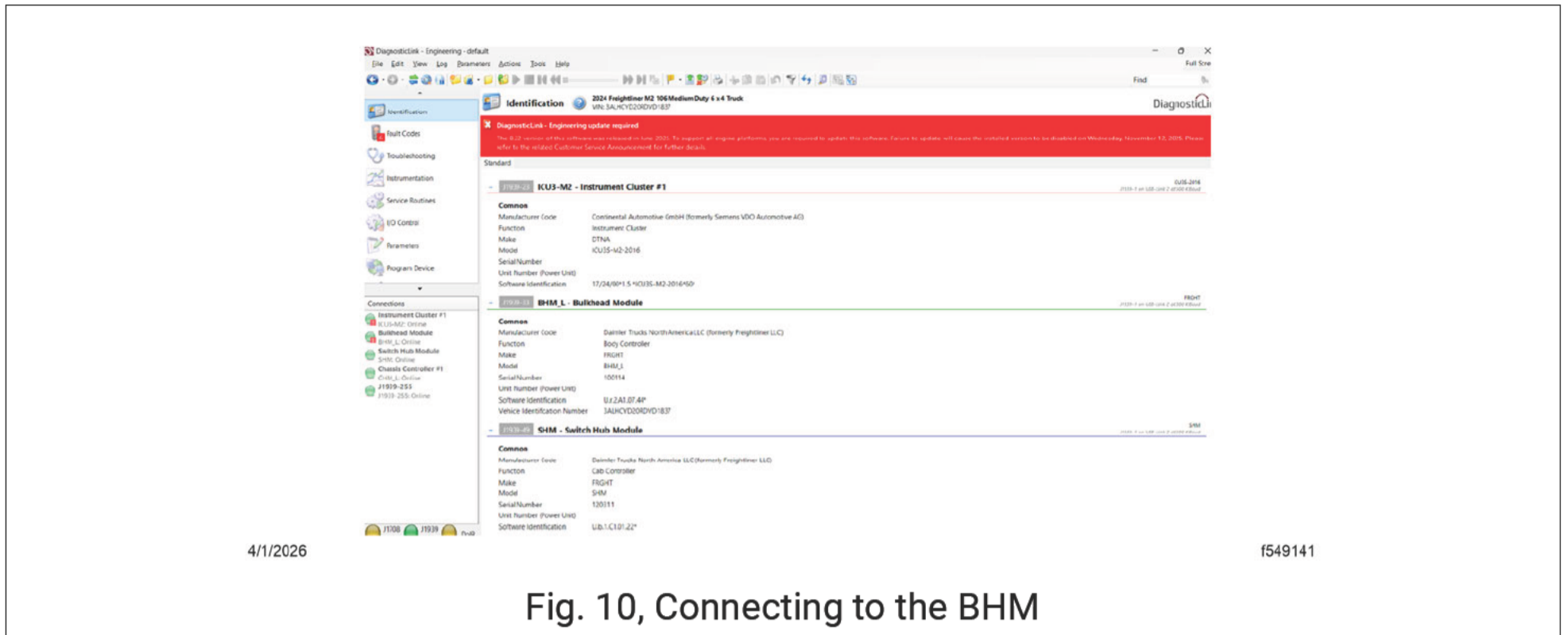


Fig. 9, Verify and Note

16. Commit to the Vehicle.

17. Using DiagnosticLink®, download the updated information from the CHEC server. See Fig. 10.



18. Verify the BHM is online and connected.

19. Go to 'Program Device' and verify the VIN of the vehicle. Select 'Refresh Data from Server.' See Fig. 11.



20. Once information is uploaded from the server, select 'Next.' See Fig. 12.

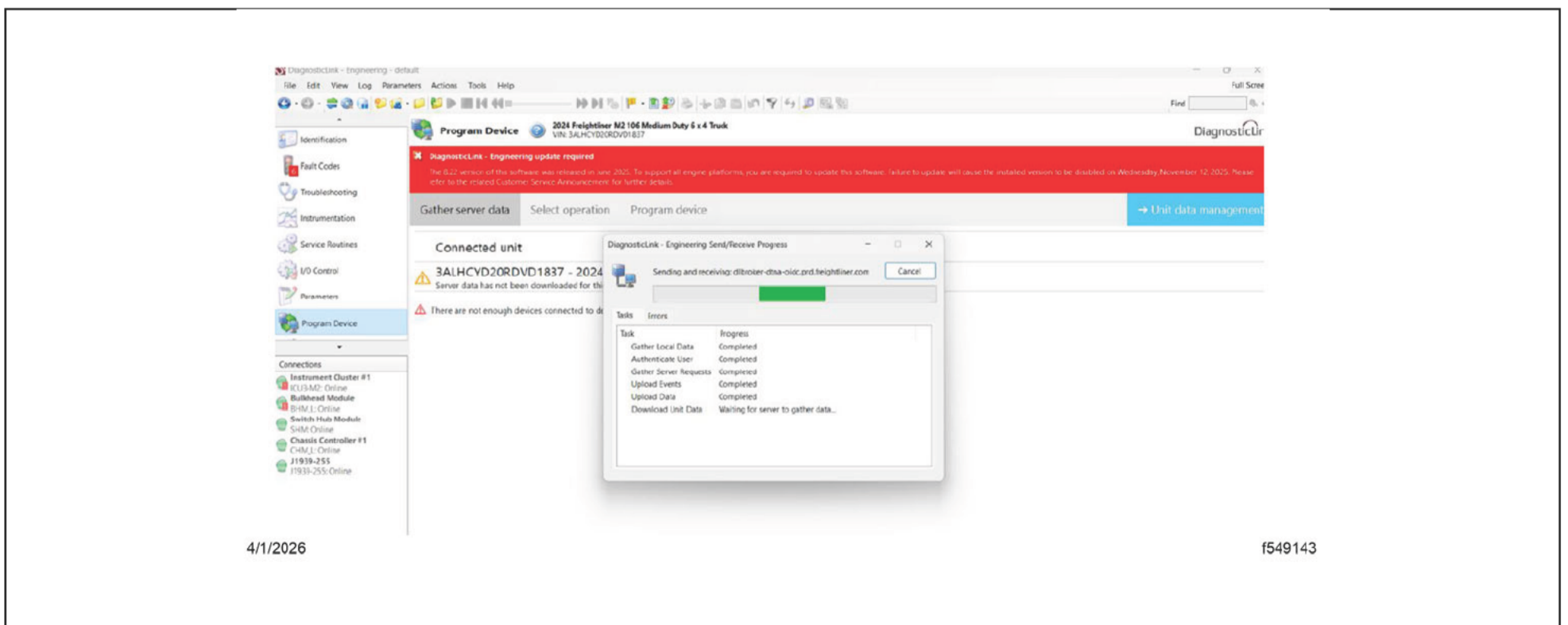
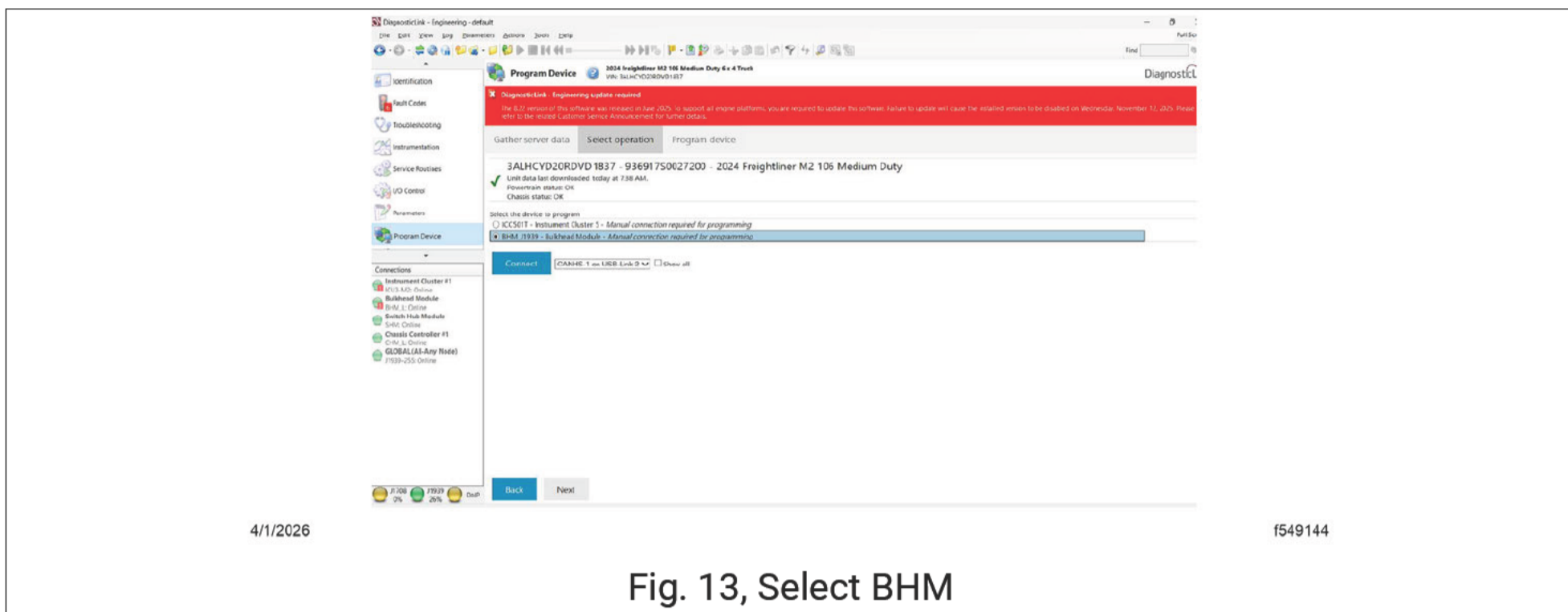
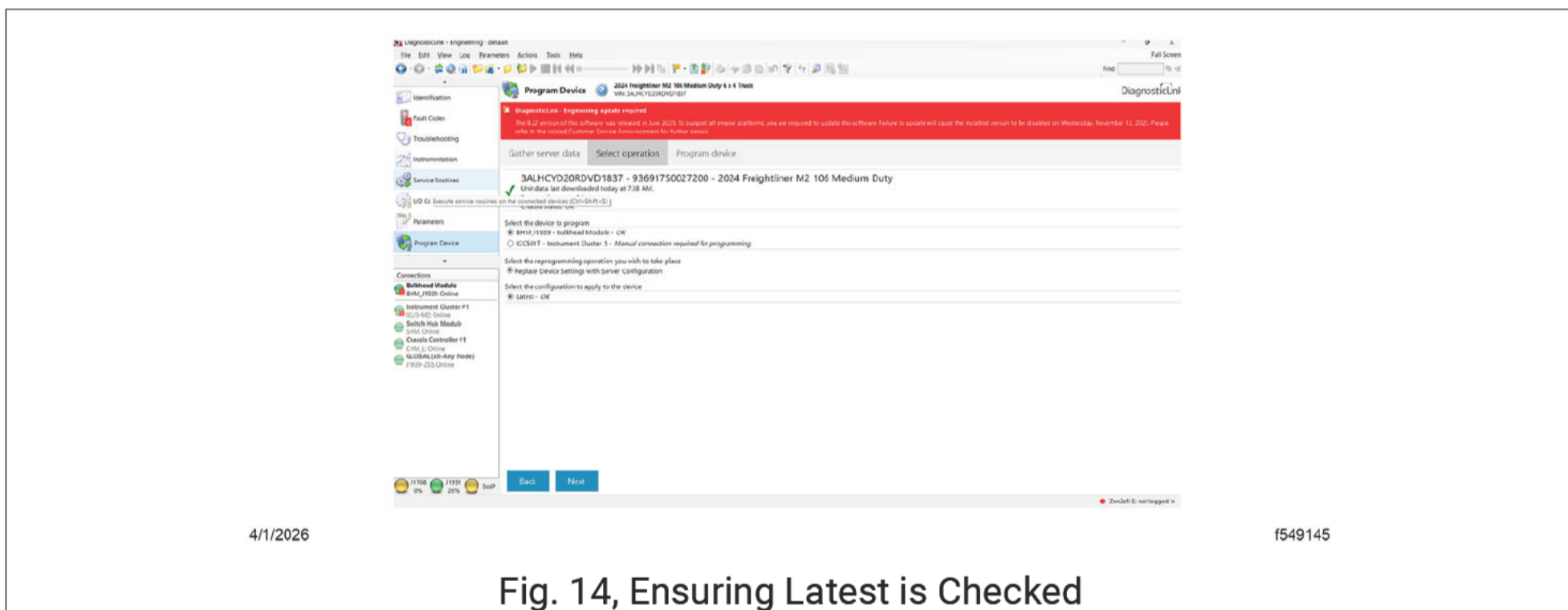


Fig. 12, Uploading from the Server

21. Select BHM and the DL interface tool (in this case, the Nexiq USB Link tool). See Fig. 13.



22. Ensure 'Latest' is checked if no other changes are wanted. Exit from the CHEC tool and select 'Next.' See Fig. 14.



23. Review all displayed data and select 'Start' once ready to begin flashing. See Fig. 15.

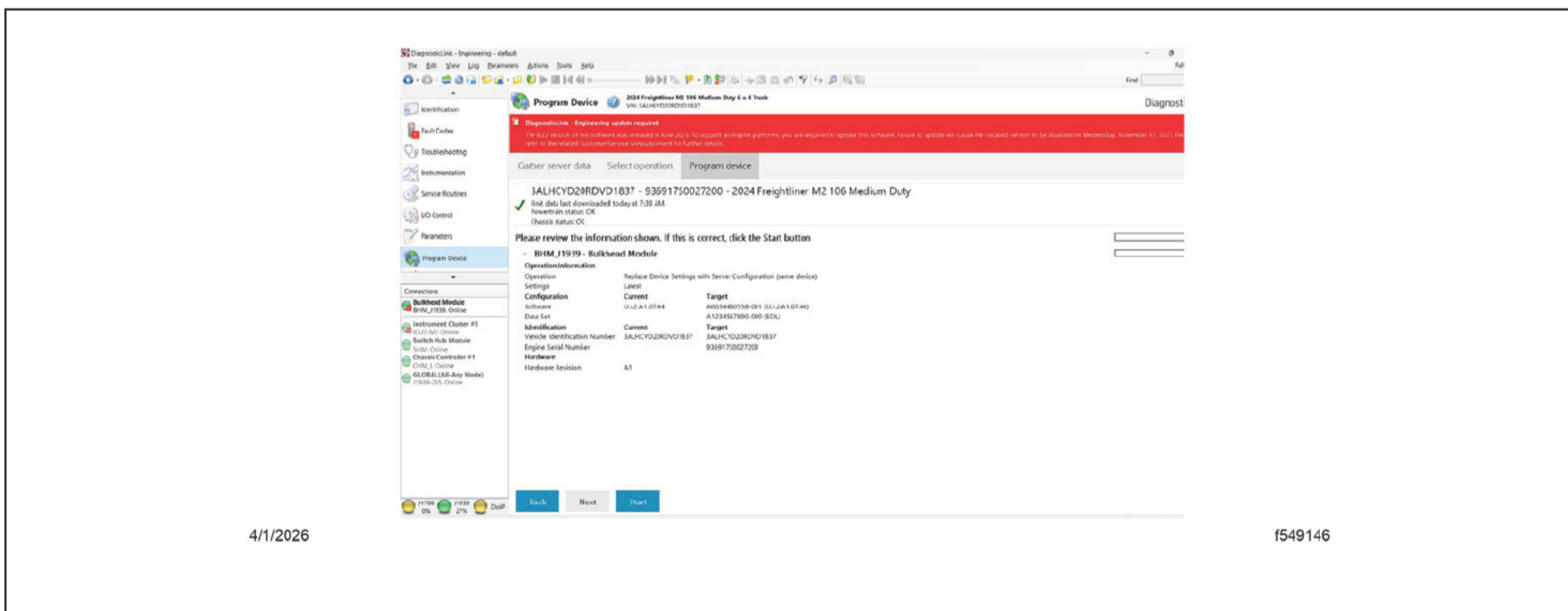


Fig. 15, Reviewing Displayed Data

24. Allow the information to process. See Fig. 16.

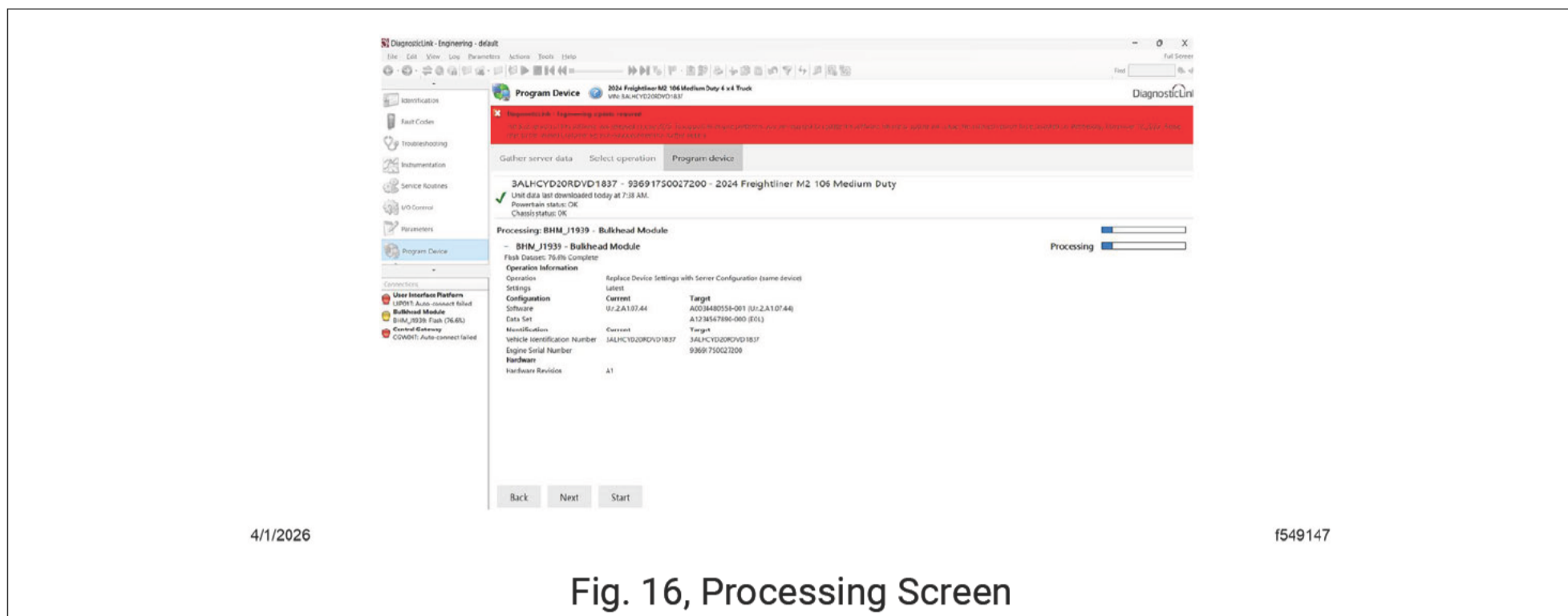


Fig. 16, Processing Screen

25. A success message displays when flashing is completed. See Fig. 17.

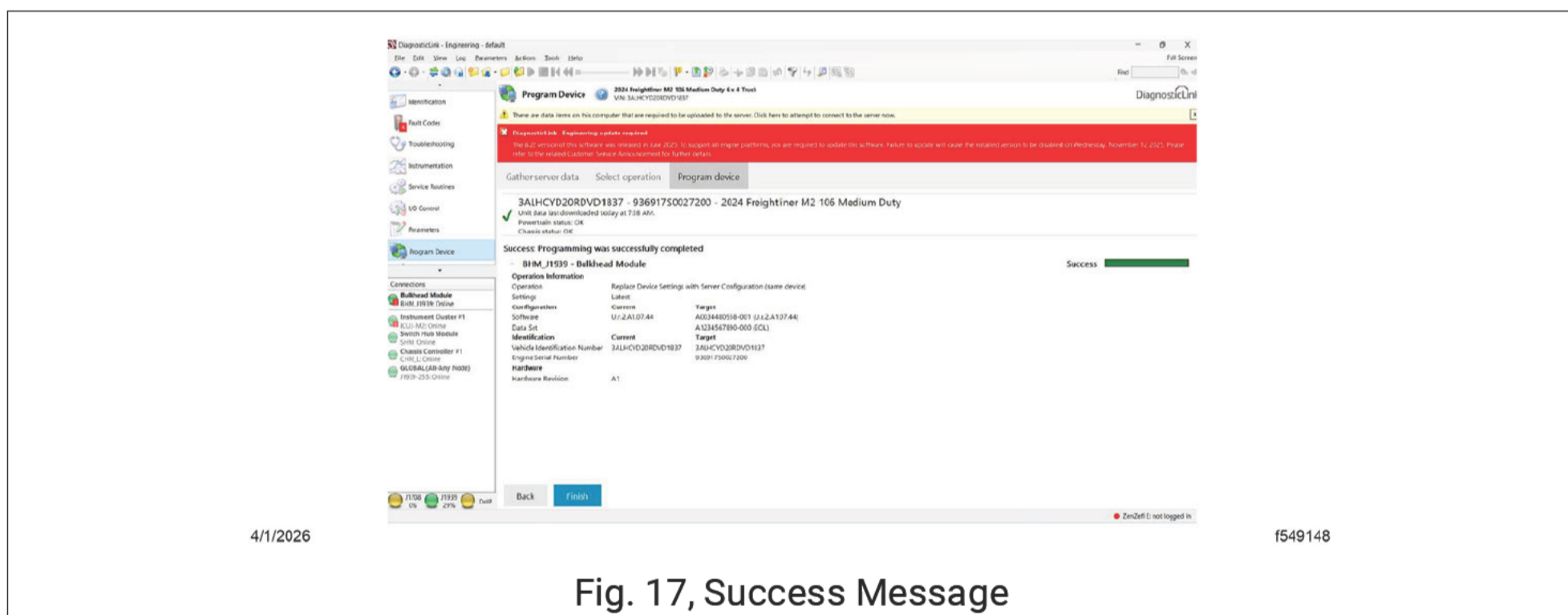


Fig. 17, Success Message

26. Select 'Finish' to complete the update and refresh the data to server.

Warranty

This procedure is warrantable only if the described condition exists and the repair is performed within the applicable base or extended coverage warranty period. If a failure is not found, this procedure is considered preventive and warranty does not apply.

See Table 2 for OWL VMRS codes and labor allowance information. Enter this service bulletin number in the Service Bulletin # field.

Table 2, OWL VMRS Codes and Labor Allowance

Damage Code and Time Guide Information						
Primary Failed Part	Component Code	Cause Code	Correction Code	SRT Code	Description	Hours

Damage Code and Time Guide Information						
Replacement Grote headlight	034-001-134	03	03	312-5027A	GROTE headlamps update	1.3

Table 2, OWL VMRS Codes and Labor Allowance

Note:

REPLACE

Document Number: 0000214629

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