

Constellation
Heritage
> 4700 Models
4800 Models

4900 Models
> 5700 Models
5900 Models
6900 Models

General Information

DiagnosticLink supports programming of both chassis and powertrain ECUs. It may be necessary to perform additional steps prior to the programming of a chassis ECU. When a chassis ECU is programmed using "Program Device" in DiagnosticLink, the ECU will be programmed with the most recent parameter sets and software from the server. This process will overwrite the parameters and software previously installed on the ECU.

When it is necessary to retain the parameter information contained within a chassis ECU on the vehicle, vehicle parameters should be read and uploaded to the server prior to downloading unit data and flashing the ECU. The data can then be re-downloaded from the server before programming the controller.

IMPORTANT: This process should not be performed if there are parameters on the vehicle that are not intended to be recorded in a service record. Only 1 service record per ECU, per vehicle, can be stored on the server. Once a new service record is created, the old record is lost.

DO NOT follow the process described in this document:

- when performing the initial programming of a spare part ECU;
- when attempting to recover an incorrectly parameterized ECU.

Programming ECUs in DiagnosticLink

1. Park the vehicle, shut down the engine, and apply the parking brakes. Chock the tires.
2. Connect the vehicle to DiagnosticLink
3. Select "Program Device". If there are any items in the section "Request Pending" downloads, they should be removed. To remove them, select the "Request Pending" list item, then press the "Remove" button. See [Fig. 1](#).

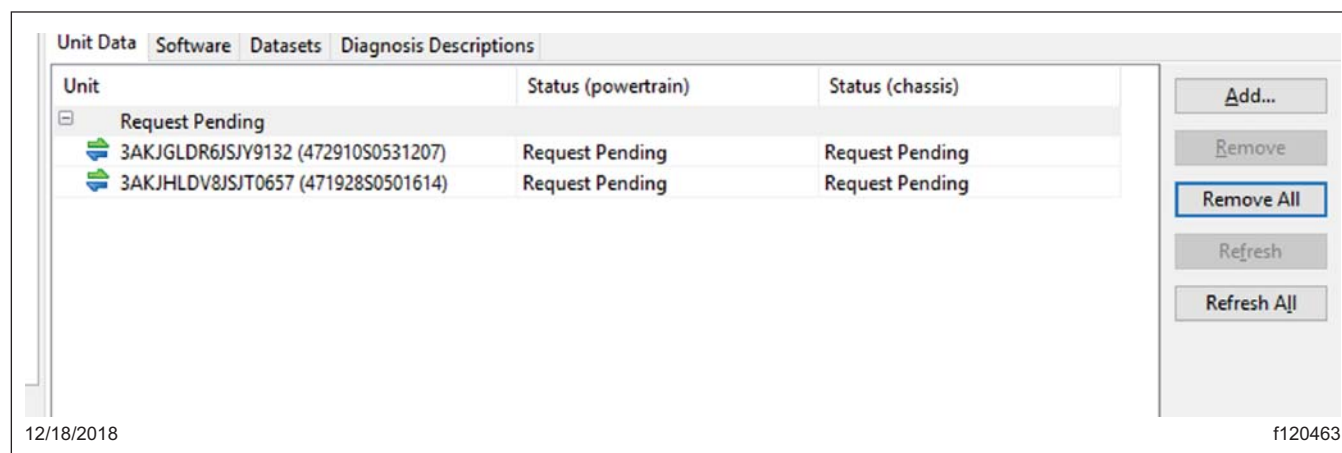


Fig. 1, Removing Pending Requests

4. Once all controllers are connected, read the vehicle parameters. See [Fig. 2](#).

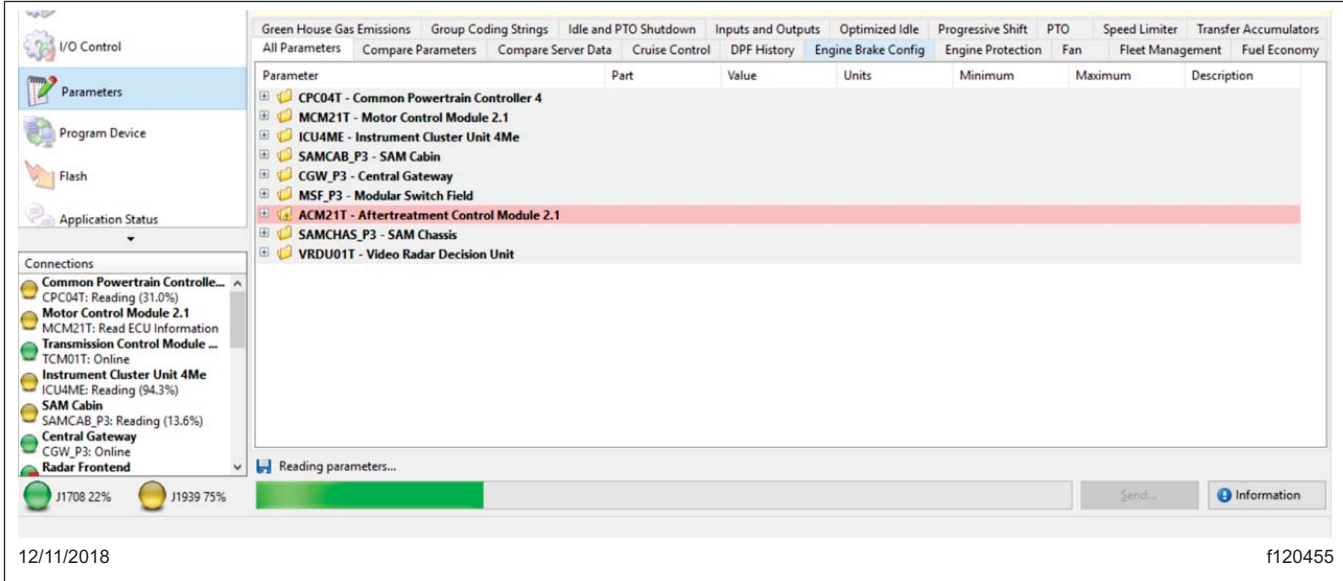


Fig. 2, Reading Vehicle Parameters on DiagnosticLink

5. Select "Program Device." There should be data to upload. Click "Connect to Server" to upload vehicle parameters to the server. See Fig. 3.

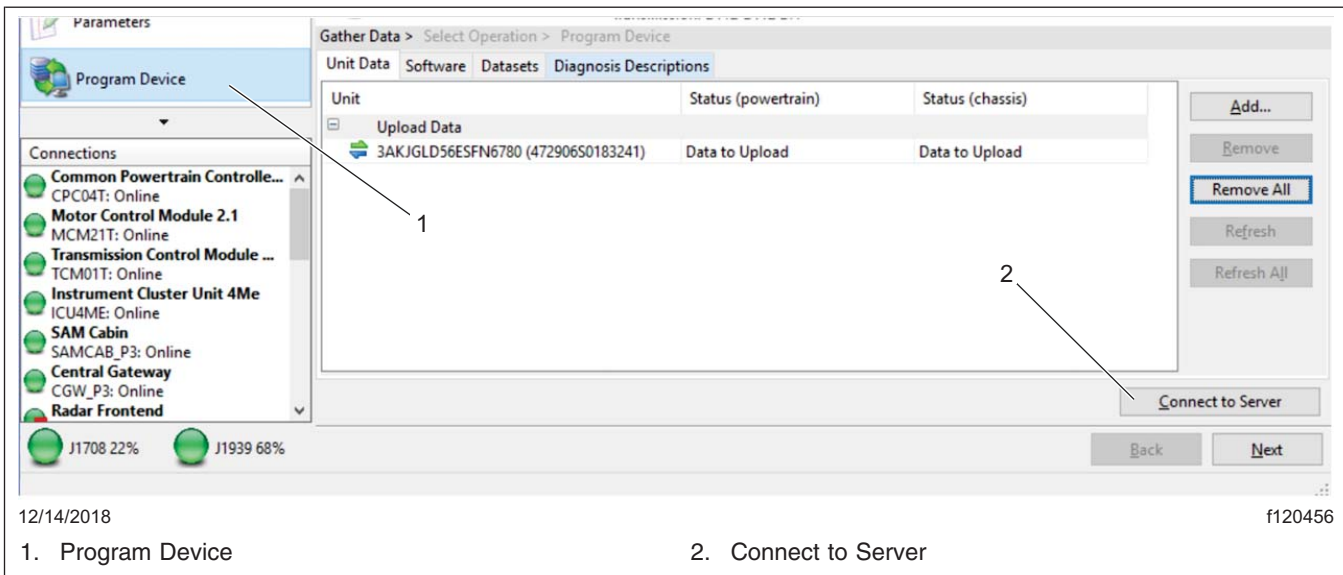


Fig. 3, Uploading Vehicle Parameters

6. Click "Add" to add a download request for the vehicle. See Fig. 4.

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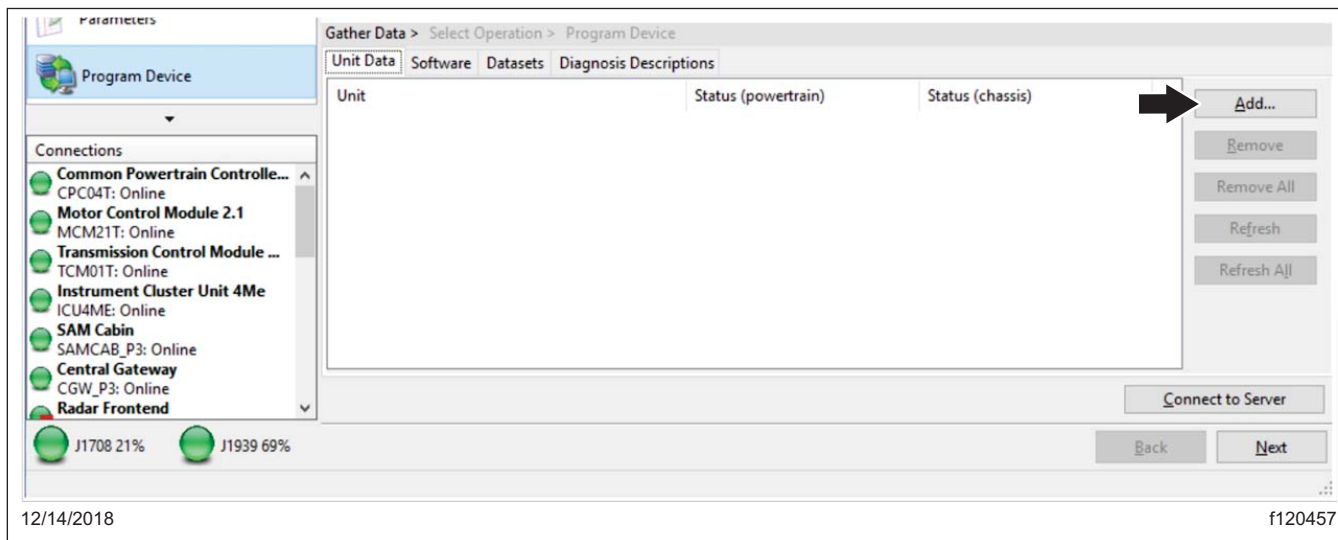


Fig. 4, Adding the VIN to Download Updated Server Data

7. Make sure the correct VIN and hardware is populated, then click OK. See [Fig. 5](#).

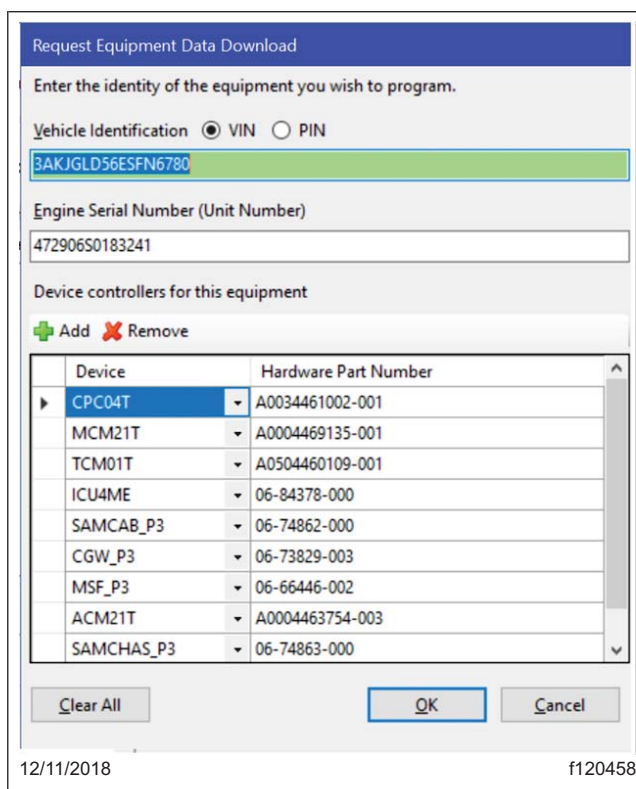


Fig. 5, Verifying Correct VIN Hardware

- There should be a request pending status for the VIN. Click "connect to server" to download the updated unit data. See Fig. 6. The server will provide any new software available on the server as well as updated parameter sets for the new software, adjusted for the parameter set that was just uploaded from the vehicle.

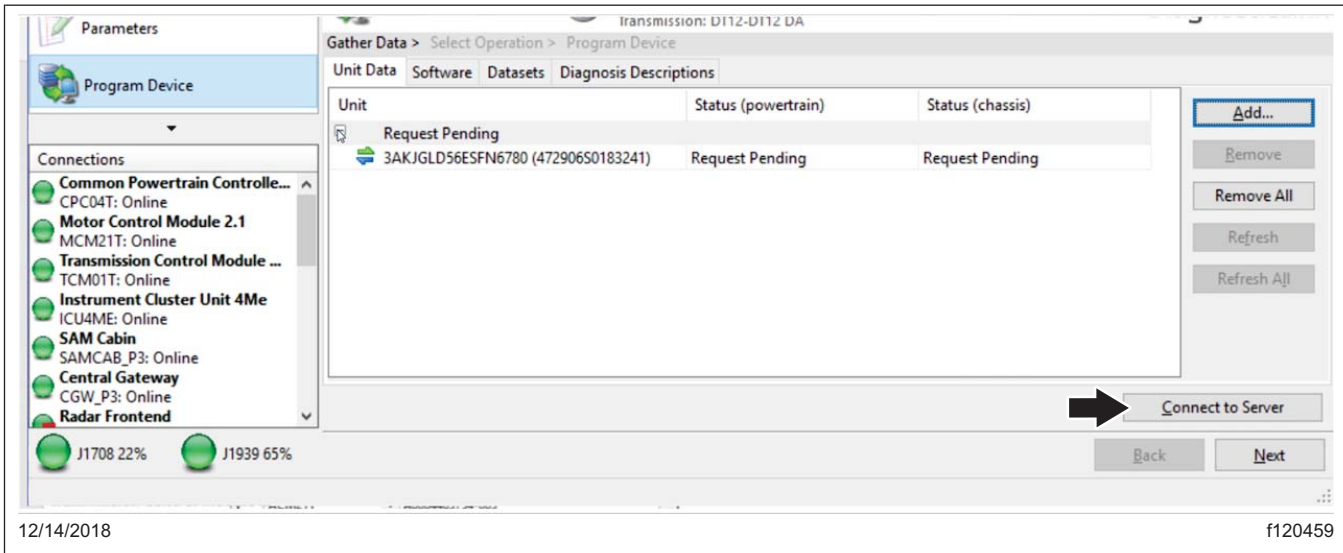


Fig. 6, Downloading Updated Unit Data

- Once the data has been downloaded, click "Next". See Fig. 7.

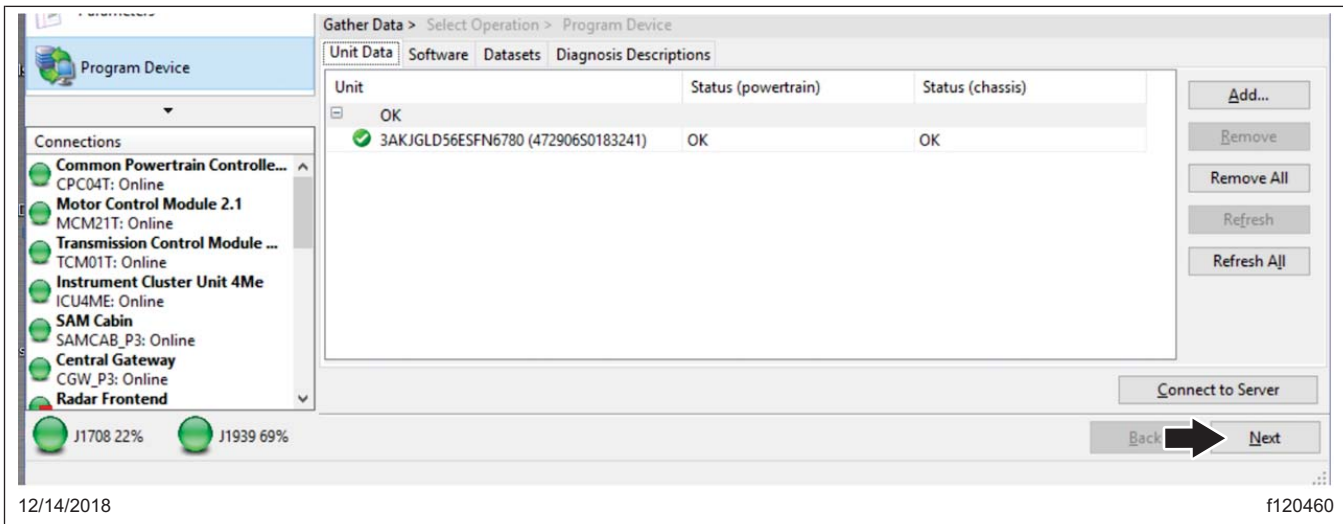


Fig. 7, Clicking Next

NOTE: "Latest" is the last service record (may be older software) and "Newest" is the most up to date software available for the installed hardware. Both will have parameter sets that have been updated relative to the upload from the vehicle.

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10. Select the controller to program, select the VIN, and select either "Latest" or "Newest." Click "Next." See [Fig. 8](#).

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1. Device to Program
2. Vehicle Identification Number (VIN)
3. Settings

Fig. 8, Selecting "Latest" or "Newest" Software

11. Review and verify the VIN and hardware part number. Click "Start" to program the controller. The software will be flashed and the new parameter set will be written to the controller on the vehicle. See [Fig. 9](#).

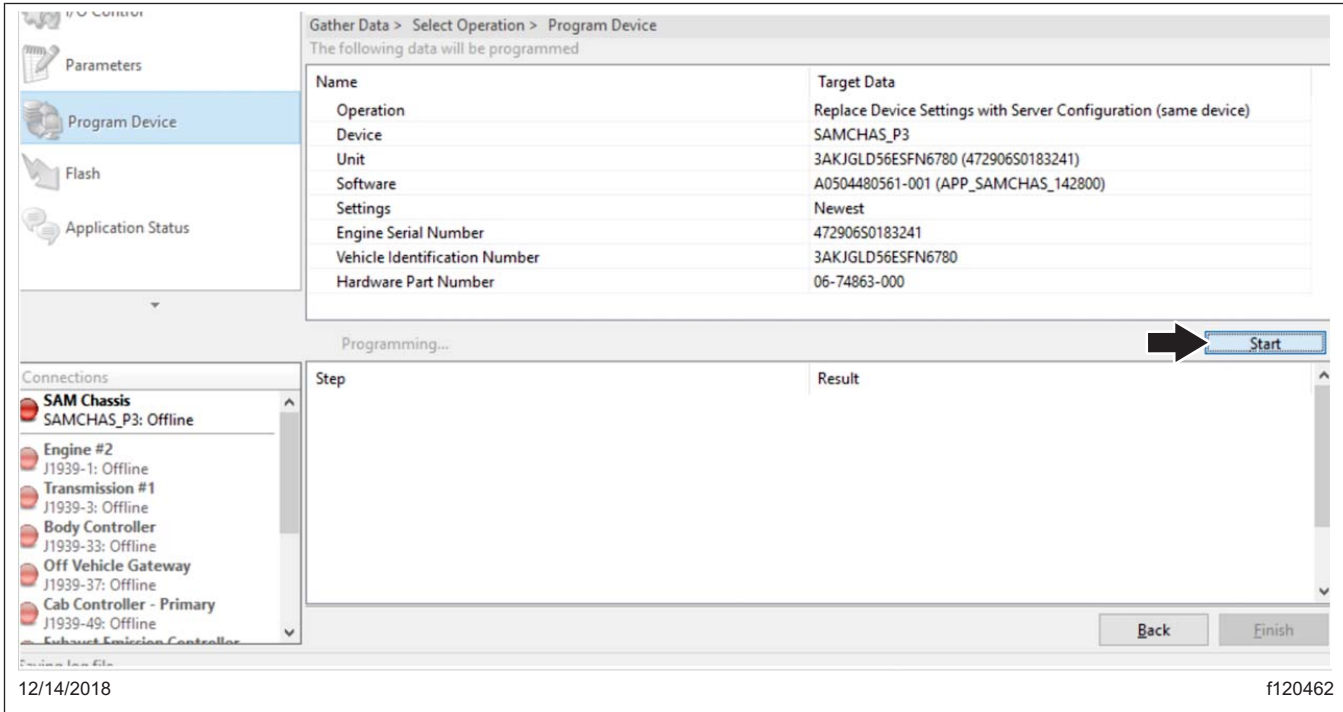


Fig. 9, Programming the Controller

Warranty

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