HOW TO PROGRAM AN ECU USING TECH TOOL V2.8

| Product | Product History | Diagnose | Test | Calibrate | **Program** | Impact |

Software packages

	Software Package	Status
☐	Light Control Module (LCM) (MID 216)	
☐	Telematics GateWay (TGW)	

1700-08-03-39 Program Electronic Control Unit

Select software packages and then click Program to start programming the control units

When multiple software packages are selected, there will be a request to run a key cycling after each package

Package status information

If a software package requires attention, a symbol is shown in the Status column

Control unit calibration

It may be necessary to perform calibrations after an Electronic Control Unit has been programmed

☐ I have read and understand the above advisory

<u>Using Tech Tool v2.8 or higher</u>, there is a new Programming Electronic Control Unit process. With the new "Software Package Update" process, Tech Tool will check Central Systems for updates. **Only ECU's with available Software Updates will be displayed**. ECUs that are <u>not</u> displayed has the latest software and no new Software Packages are available.
To Reprogram a ECU that is <u>not</u> displayed use program operation **Replace Hardware.**
Please note this is only recommended when directed by Technical Support or an Internal Representative.

Tech Tool | Links | Help

Product **Product History** **Diagnose** **Test** **Calibrate** **Program** **Impact**

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When multiple ECUs are displayed. You can choose to **Select All**, or **only the ECU that is experiencing problems** or has been requested to be updated by Technical Support.

Tech Tool	Links	Help

Product   **Product History**   **Diagnose**   **Test**   **Calibrate**   **Program**   **Impact**

Software packages

☑	Software Package	Status
☑	Information display (MID 140)	
☑	Vehicle ECU (MID 144)	⚠ Priority
☑	Telematics GateWay (TGW)	

1700-08-03-39 Program Electronic Control Unit

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Package status information

If a software package requires attention, a symbol is shown in the Status column

⚠ **Priority update**

Apply this software package to secure correct software versions.
Correct software versions are required to ensure that Product data and Central data match.

Control unit calibration

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If a Software Package requires attention, a symbol is shown in the Status column. **Here is an example of an ECU shown as a Priority.**
In the event you have a Priority status, select the ECU, also known as, Software Package to apply the software update to prevent a control unit data mismatch.

| Product | Product History | Diagnose | Test | Calibrate | **Program** | Impact |

Software packages

Software Package	Status
☐ Vehicle Electronic Unit (VECU)	⛔ Blocked
☐ Telematics GateWay (TGW)	

1700-08-03-39 Program Electronic Control Unit

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Package status information

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⛔ **Blocked software package**

The software package cannot be applied. Software packages can be blocked due to control unit data mismatches
Go to Product identification and look for information about mismatches in Product Status
If you are interested in a software package that is blocked, and no reason for the block can be found in Product S

⚠️ **Priority update**

Apply this software package to secure correct software versions.
Correct software versions are required to ensure that Product data and Central data match.

Control unit calibration

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If a Software Package requires attention, a symbol is shown in the Status column.
Here is an example of an ECU that is shown as Blocked. Usually due to a software issue in Central Systems.
In the event you have a Blocked status, exit the operation and check Control Unit Data (mismatch) found on the Product Identification screen for a software mismatch. For additional assistance please contact Technical Support or IT Helpdesk.

Product	Product History	Diagnose	Test	Calibrate	**Program**	Impact

Software packages

There is no software package available for this product.

1700-08-03-39 Program Electronic Control Unit

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Package status information

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Control unit calibration

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In the event there are no ECUs displayed.
This means All ECU's are currently up to date with the latest software available.

WARRANTY POLICY FOR PROGRAMMING UPDATED
EFFECTIVE OCTOBER 19, 2020

Software updates will be allowed on a UCHP claim if the Truck has coverage for the module being updated and at least one of the conditions below exist:

- Active DTC's for the module being updated (PHV will be reviewed for DTC validation)
- Programming directed by the Technical Support Team and must be documented in the eService case.
- Programming directed by any documented service information:

The service information directing the software update must be included in the claim. Software update charges on warranty claims will be scrutinized by verifying that the updates charged on the claim have been logged in VDA+ or PHV.

This information can be found in the Warranty Operations Manual – Section 4.1.1.2 – Software Programming Policy.