

DEALER INSTRUCTIONS

REFERENCE: FSA 202320

DATE:01.11.2023

SUBJECT: W-AMT Calibration Update on F-MAX and Legacy (2016 MY) vehicles

FSA TYPE: Next Service Visit

INTRODUCTION:

FSA 202320A FODP-2 Lite & FODiT W-AMT Module programming

FSA 202320B W-AMT Module Remote Programming via OTA

FSA 202320A:

Service Implementation:

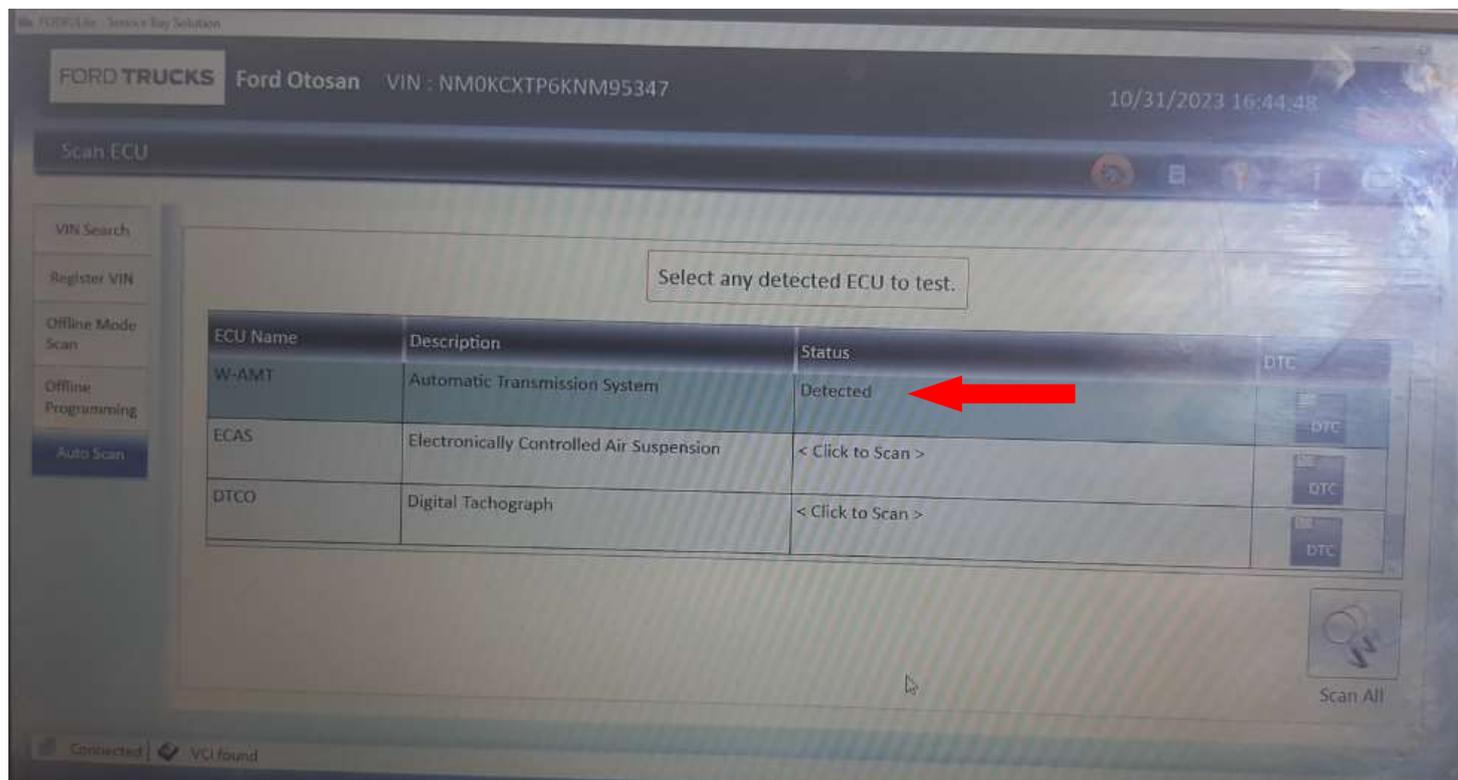
Labor:

Labor Code	Labor definition	duration
33C068 A	Transmission module update	0,5h

FODP2 Lite Process:

W-AMT module will be updated on Ecotorq Transmission which has been launched on F-MAX and LEGACY vehicles.

- After running of FODP-2 Lite; Search Modules button needs to be clicked. Module selection will be appeared on the screen. Operation to be performed on W-AMT module through this menu.



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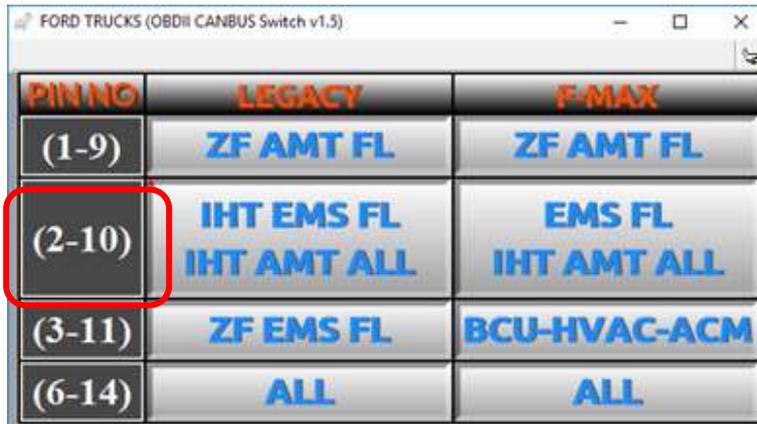
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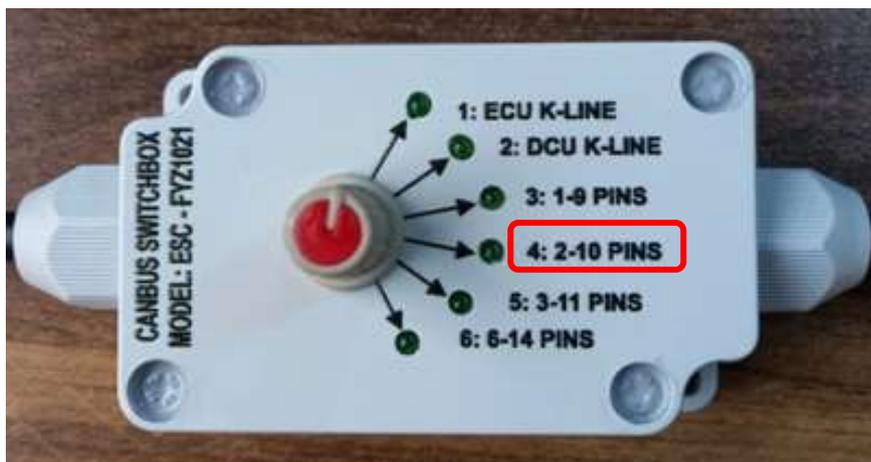
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- At F-MAX and LEGACY (2016MY) vehicles , For connection by W-AMT module, “(2-10) IHT AMT ALL” button needs to be clicked from below program. **To find out the button is activated, be sure that below marked area is turned to orange.**



PIN NO	LEGACY	F-MAX
(1-9)	ZF AMT FL	ZF AMT FL
(2-10)	IHT EMS FL IHT AMT ALL	EMS FL IHT AMT ALL
(3-11)	ZF EMS FL	BCU-HVAC-ACM
(6-14)	ALL	ALL

Visual 1: Old level CAN line update device



Visual 2: New level CAN line update device

- For operating of Module Programming, run W-AMT module and follow the guides. **If there is an update at program**, it takes 5-8 minutes. During this running period, you should wait and not interfere the computer, Internet connection and computer battery should be sufficient.

There is an update requirement for your module which you are studying on . Do you want to proceed on this?(This is recommended)



Update



Continue

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- When you entered inside W-AMT module, enter read ECUID to check current calibration level. If the version is old level, module programming operation needs to be performed

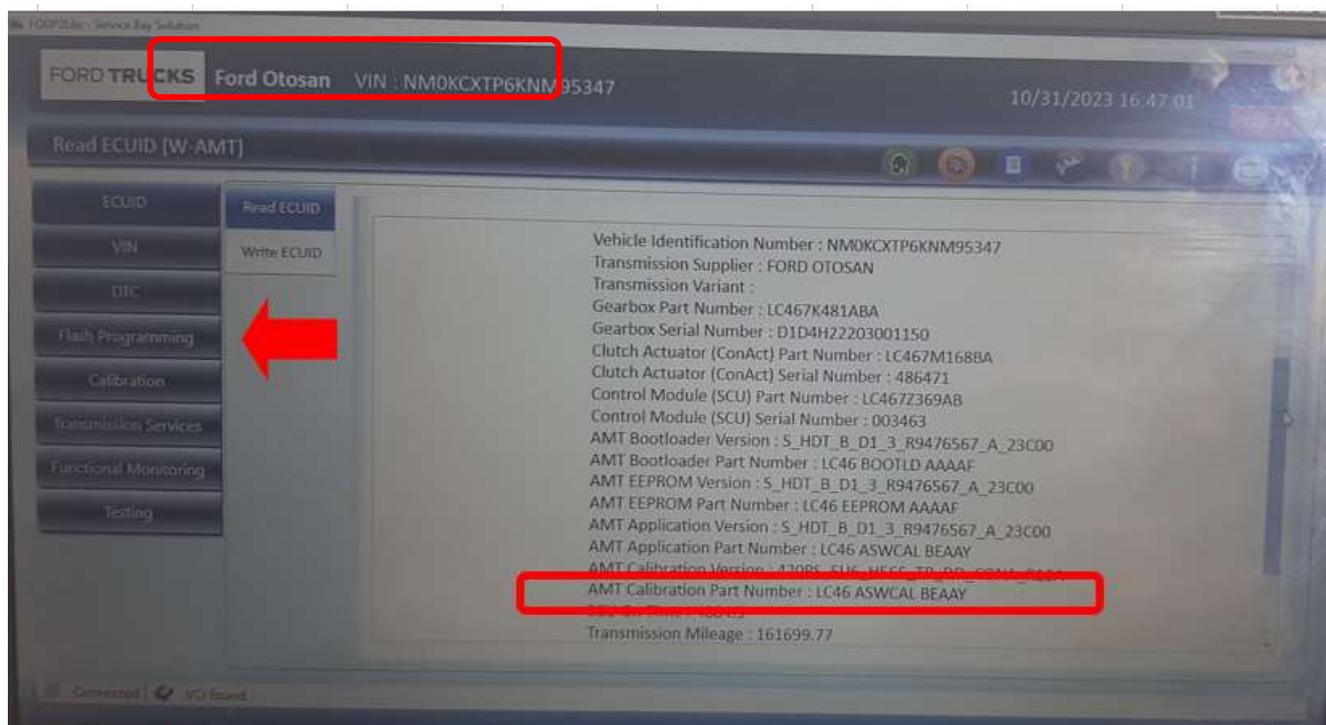
Note: Software level should be LC46_ASWCAL_xxxAY or upper level.

Important Note: During module programming, If it fails because of any case , please perform below steps:

- 1- Be sure that connection is proper and and correct CAN line is selected.
- 2- Be sure that Internet connection is not poor.
- 3- Operation needs to be repeated with "Try again"
- 4- If 3rd step faails; Operation needs to be repeated as "Continue without back-up".
- 5- If 4th step is failed, please switch ignition off and wait for 2 minutes then repeat 4th step.
- 6- If above steps are failed, re-start FODP-2 Lite then repeat 4 th step.
- 7- If all steps are failed submit ticket through ticket system.

ATTENTION!

- After update, Screenshot of VIN info and Software version should be added to **EW during claim process.**



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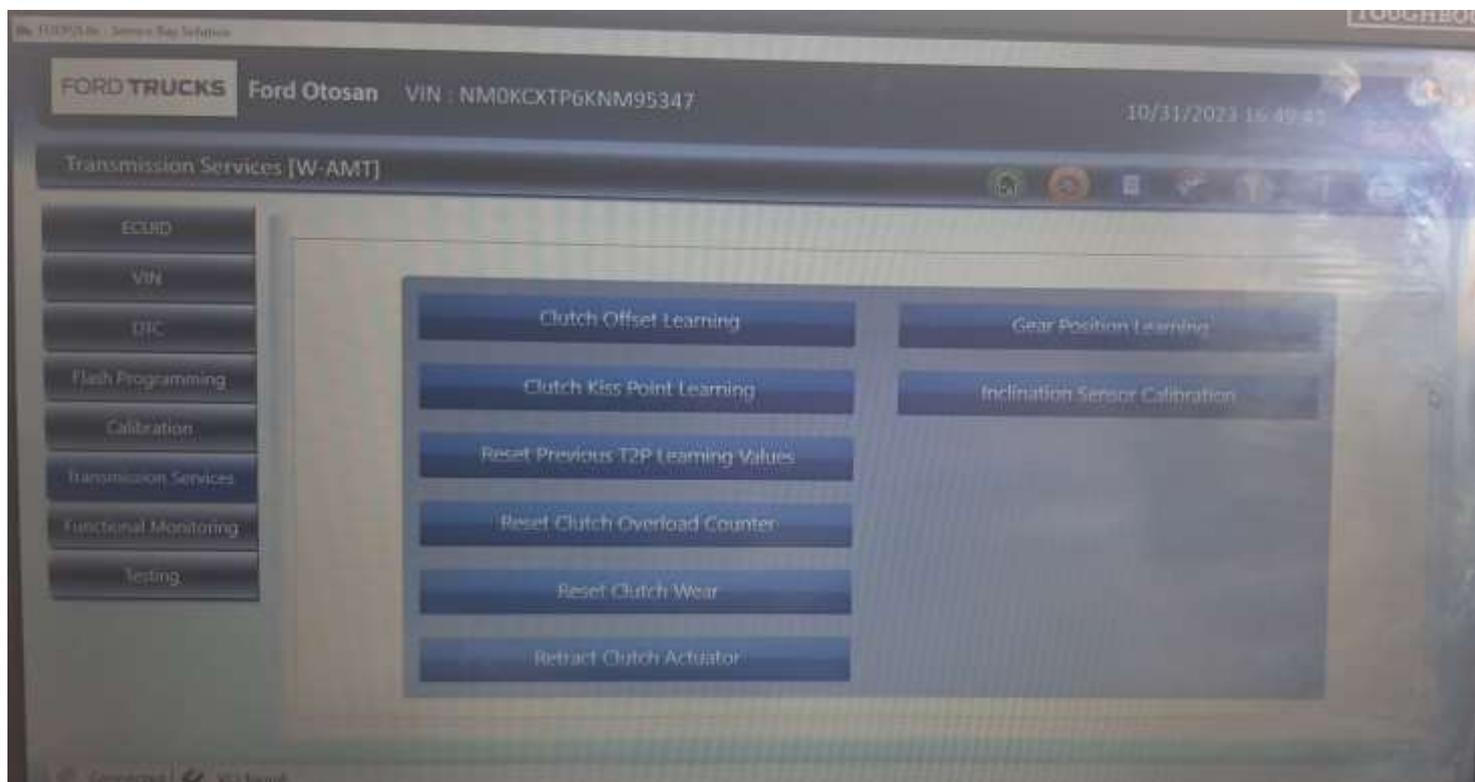
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Important Note:

If the error codes specified below are read actively, the following steps should be followed in order.

DTC(3 Bytes)	DTC to display	DTC Definition(Description)
7600FF	UeidASW_EOL Incomplete	End of line operations have not been carried out
7B00F8	UeidASW_Vehicle Config Invalid	Vehicle information in configuration parameters is incorrect

- After completing the Module Programming process, you must enter the "Transmission Services" screen and run the following functions in order.
 - 1- T2P Reset
 - 2- Clutch Offset
 - 3- Clutch Kiss Point
 - 4- Gear Position
 - 5- Inclination Sensor Calibration



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ATTENTION!

• Inclination sensor calibration must be performed on absolutely flat level ground. Otherwise, gear selection problems may occur.

- After all operations are completed, static gear shifts should be performed using the +/- buttons with the gear lever in the forward (D) and reverse (R) positions while the vehicle is stationary and it should be checked that there are no problems in gear shifting
- After all operations are completed, gear shifts can be checked by taking a short test drive of the vehicle.

FODiT Process:

Ecotorq Transmission, which is activated in F-MAX and LEGACY vehicles, will be updated within the scope of the improvements made in the W-AMT module.

- After running the FODIT program, the relevant vehicle model should be selected from the "Vehicle Selection" section which appears on the screen.

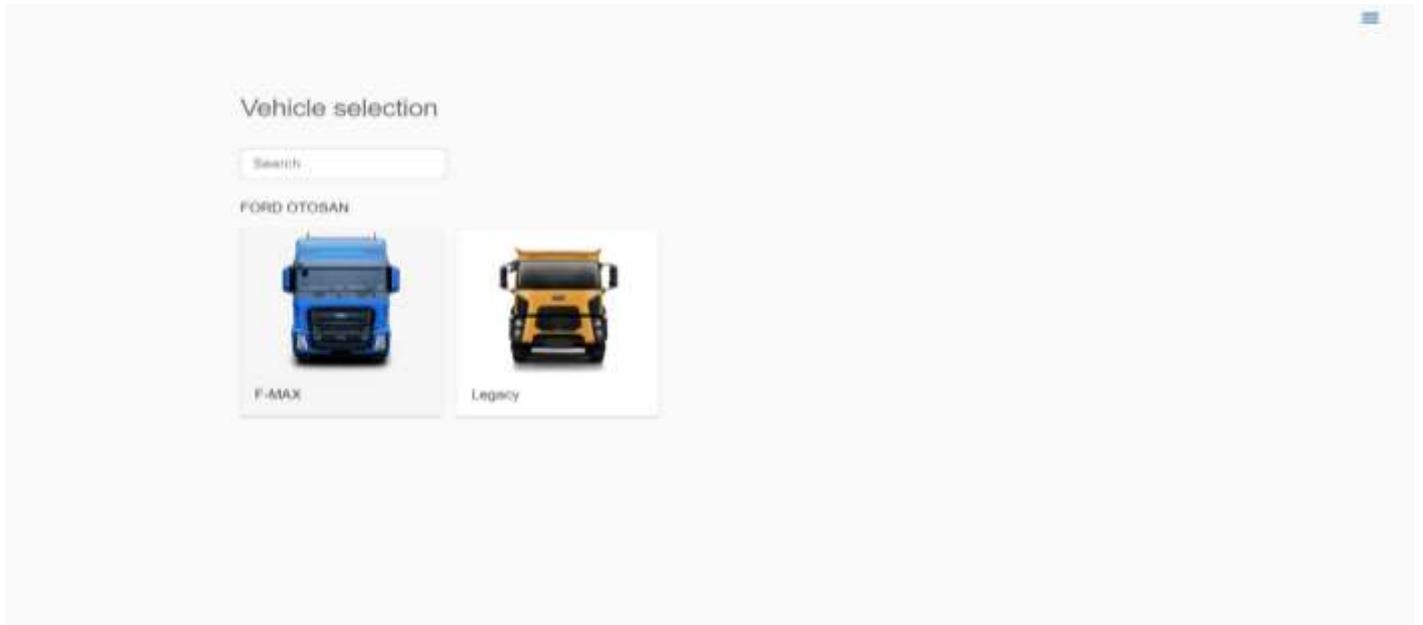


Image 1: Vehicle Model selection

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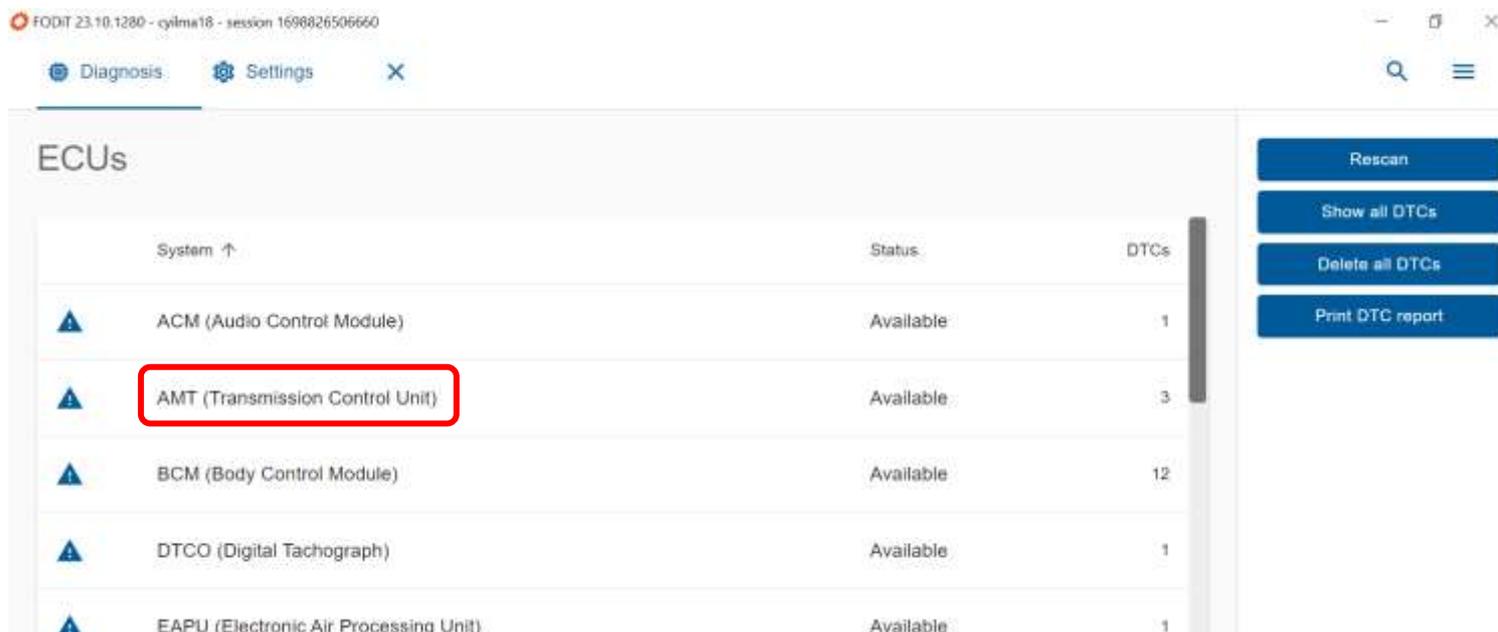
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- Scan the modules on the vehicle by clicking the "Scan Vehicle" button on the main screen.
- Click the "AMT" module.



FODIT 23.10.1280 - cyilma18 - session 1698826506660

Diagnosis Settings

ECUs

System ↑	Status	DTCs
▲ ACM (Audio Control Module)	Available	1
▲ AMT (Transmission Control Unit)	Available	3
▲ BCM (Body Control Module)	Available	12
▲ DTCO (Digital Tachograph)	Available	1
▲ EAPU (Electronic Air Processing Unit)	Available	1

Rescan
Show all DTCs
Delete all DTCs
Print DTC report

Image 2: W-AMT Module Selection

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- When you entered inside the W-AMT module, select the "Module Programming" section under the Functions section and press the run button on the right.



Image 3: Module programming section selection

- After making sure that all the specified conditions are met, press the "Start flashing" button.
- After you receive the "**Programming completed successfully**" notification, please exit by pressing the "**Exit**" button. Afterwards, the ignition should be turned off, waited for 2 minutes and the ignition should be turned on again.

Important Note: If the process fails for any reason during module programming, follow the steps below in order;

- 1- Make sure that the internet connection is good.
- 2- Try the flashing process again.
- 3- If the flashing step fails, the ignition should be turned off and waited for at least 2 minutes and the flashing step should be performed again.
- 4- If the previous steps fail, FODIT should be turned off and on again and the flashing step should be repeated.
- 5- In case all flashing fail although applying above steps ticket must be submitted via the Ticket system.

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After module programming, the software version should be checked again in the **Read ECUID**" section. The software number must be **LC46_ASWCAL_xxxAY** or upper.

ATTENTION!

- After the update, the screenshot including VIN information and software version **must be added inside EW during claim process.**

Important Note:

If the error codes specified below are read actively, the following steps should be followed in order.

DTC(3 Bytes)	DTC to display	DTC Definition(Description)
7600FF	UeidASW_EOL Incomplete	End of line operations have not been carried out
7B00F8	UeidASW_Vehicle Config Invalid	Vehicle information in configuration parameters is incorrect

- After completing the Module Programming process, you must enter the **"Functions"** screen and run the following functions in order.

- 1- T2P Reset
- 2- Clutch offset
- 3- Clutch Kiss Point
- 4- Gear Position
- 5- Inclination Sensor Calibration

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- To perform the T2P reset step, the "**Resets**" section under the "**Functions**" section must be selected and the "**Run**" button must be pressed.



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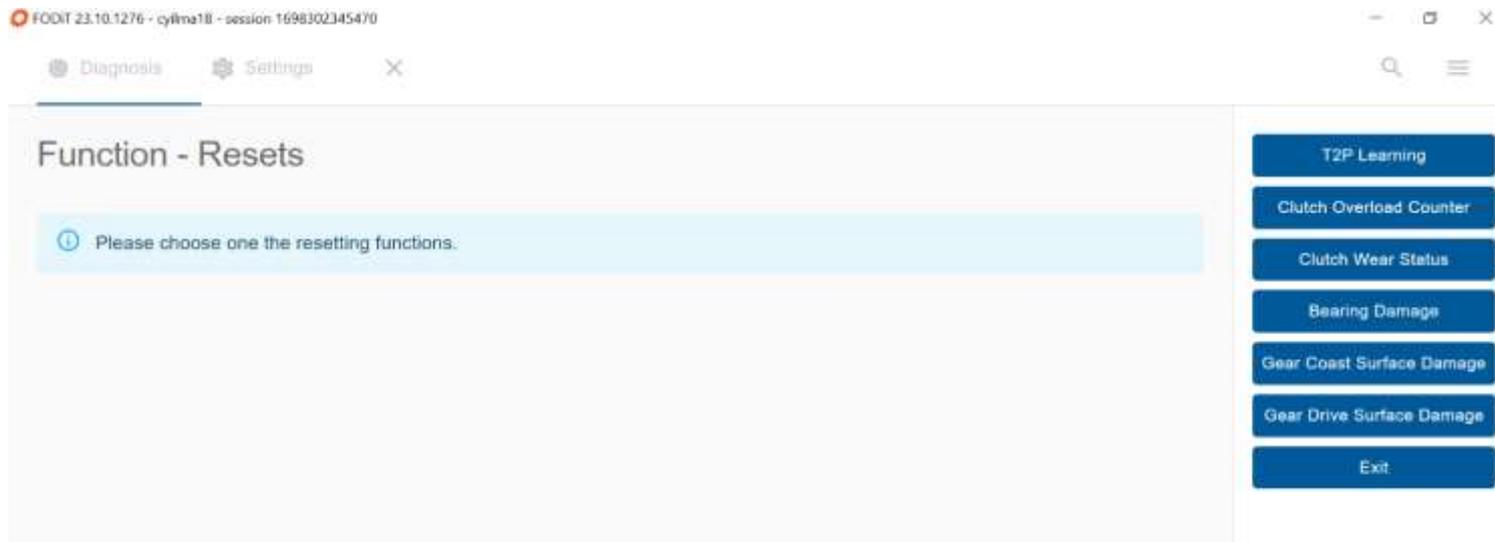
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- Learning should be done by clicking the "T2P Learning" button on the right side of the screen.



- In order to complete the learning in Steps 2, 3, 4 and 5; the "Learnings" section under the "Functions" section should be selected and the run button should be pressed.



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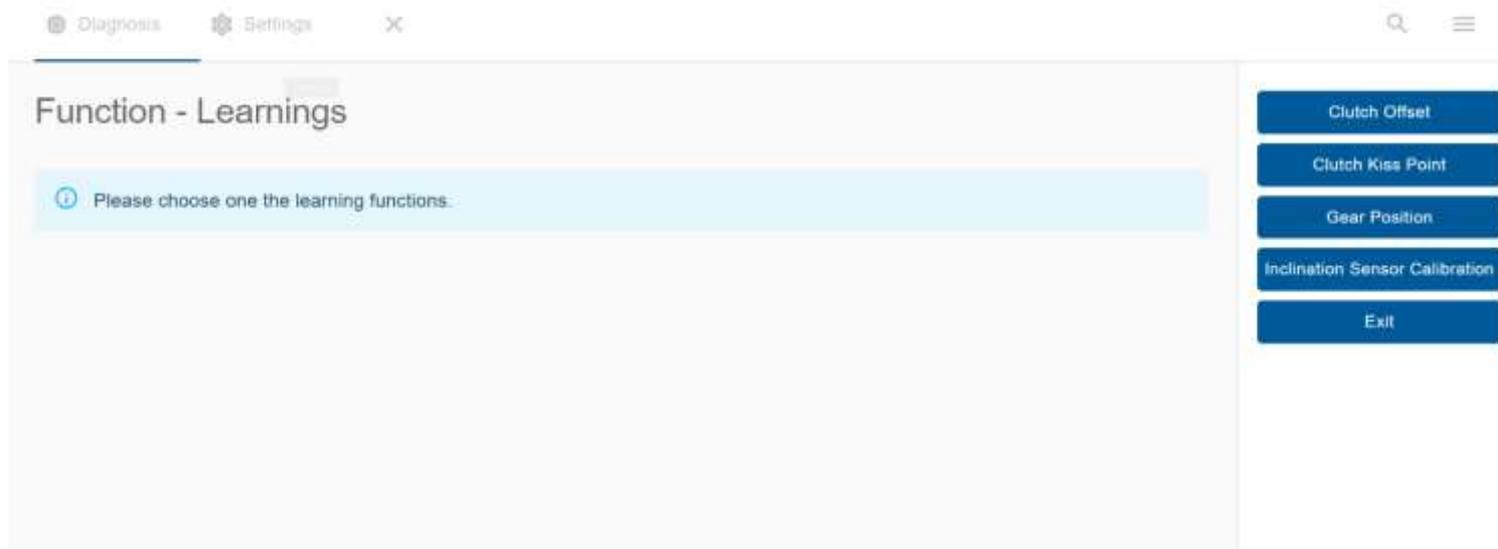
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- On the screen the relevant steps must be selected one by one from the right section and performed in order.



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- **After all operations are completed, static gear shifts should be performed using the +/- buttons with the gear lever in the forward (D) and reverse (R) positions while the vehicle is stationary and it should be checked that there are no problems in gear shifting.**
- **After all operations are completed, gear shifts can be checked by taking a short test drive.**

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FSA 202320B

Service Application

In vehicles with Connectruck feature, W-AMT module programming should be completed by following below steps:

Labor

Labor Code	Labor Name	Timing
29C005 O	CHEKING FOR UPDATE WITH OTA	0,01h

The steps for remote software update and initiating the software update from the vehicle in vehicles with ConneCTruck feature are as follows.

1. In vehicles with ConneCTruck feature, remote software is sent to related vehicles automatically in the background.
2. When the first ignition is switched on after the software is downloaded to the vehicle, the message "New software updates are available" is displayed on the instrument panel.



3. This message will be displayed as a reminder each time the ignition is switched on if the software update process has not been started in the vehicle.
4. In order to start the software update process, it is necessary to enter the "Software Update" submenu under the "Maintenance menu".

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5. The related sub-menu shows the number of pending software updates



6. In order to start the software update, the vehicle is stationary, the parking brake is applied, the ignition is in the 2 position and the engine is not running, press the "OK" key for 5 seconds and release the OK button when the progress bar is full.



7. Within 1-2 seconds, an information message that the software update is continuing appears on the screen.

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8. The software update process may take 5-10 minutes depending on the size of the software involved.
9. In the meantime, information messages on the instrument panel are monitored.
10. While the process is in progress, do not start the engine or turn off the ignition until you see the message "Update successful"

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11. If the software update process fails for any reason, the process is terminated with the relevant notification message. In such cases, the software update process can be started from the beginning by following the same steps.



12. If the software update process is successful, the number of pending software updates will be updated after the relevant notification.



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The above update successful message will appear on the display panel for 5-15 seconds and will disappear automatically. Do not turn off the ignition during this time and wait for the message to disappear. After a certain period of time after the message disappears, the contact can be turned off and on.

13. You can refer to the owner's manual for more information on the software update process.

- **After all operations are completed, static gear shifts should be made using the +/- buttons with the gear lever in the forward (D) and reverse (R) positions while the vehicle is stationary and it should be checked that there are no problems in the gear shifting**
- **After all operations are completed; check the gear shifts by performing a short test drive.**

Regards,

Ford Trucks Service Engineering