

**Heavy Commercial Vehicles**

<b>Bulletin to be circulated to:</b>	<b>Service Manager</b>	<b>Warranty Manager</b>	<b>Parts Manager</b>	<b>Master Technician</b>	<b>Service Consultant</b>	<b>BMIS</b>
	✓	✓	✓	✓	✓	✓

<b>Subject</b>	Regarding the Solution to the PATS Features Problem by Flashing the Central Gateway Module
<b>Variant</b>	F-Max and F-Line vehicles
<b>Abstract</b>	This TSB released to explain details for flashing the CGW (Central Gateway Module) for solving the PATS features problems.

**Labour**

<b>Labour Code</b>	<b>Labour Name</b>	<b>Duration (Hour)</b>
29C005 T	CGW Program Update	0.2
25C103 B	PATS Programming	0.35

**Introduction**

These CGW softwares include solutions for PATS Features issue for both F-Max and F-Line vehicles

For F-Line: **RC46-14H483-AF** or higher

For F-Max: **RC46-14H483-BD** or higher

The software flashing and writing configuration parameters must be performed **via FODiT**.

While flashing the software, **do not interrupt the process**.

For flashing process please follow the “Service Procedure”:

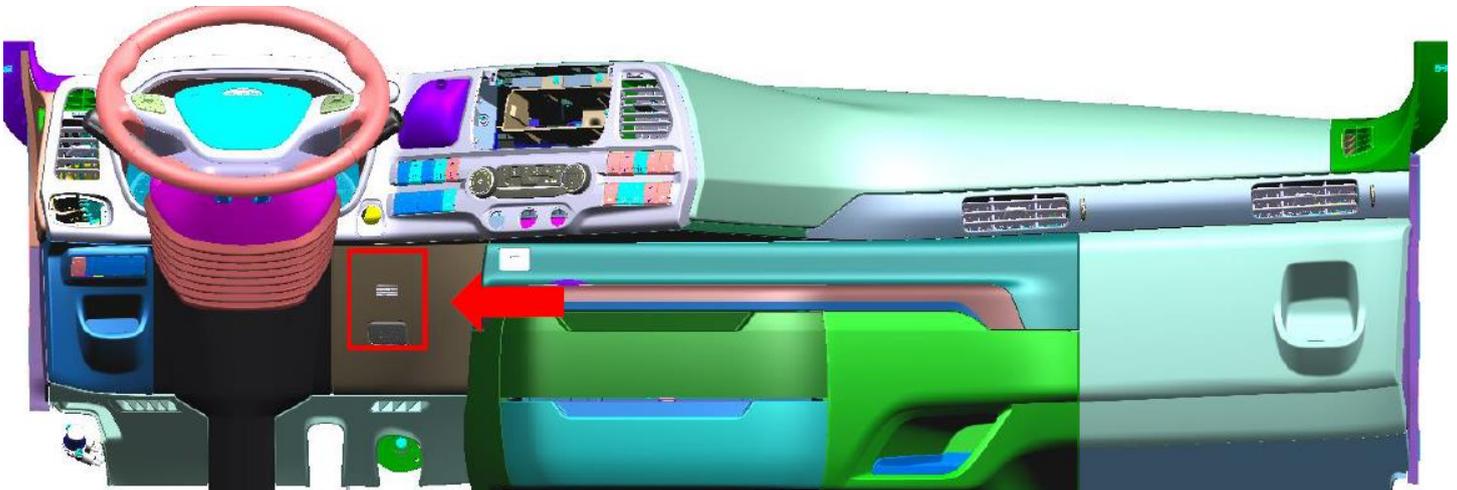
## Service Procedure:

### 1- Module Connection

The connection between the FODiT program and the vehicle is established via using the VCI Kit (KTJC46-INTER-FACE).



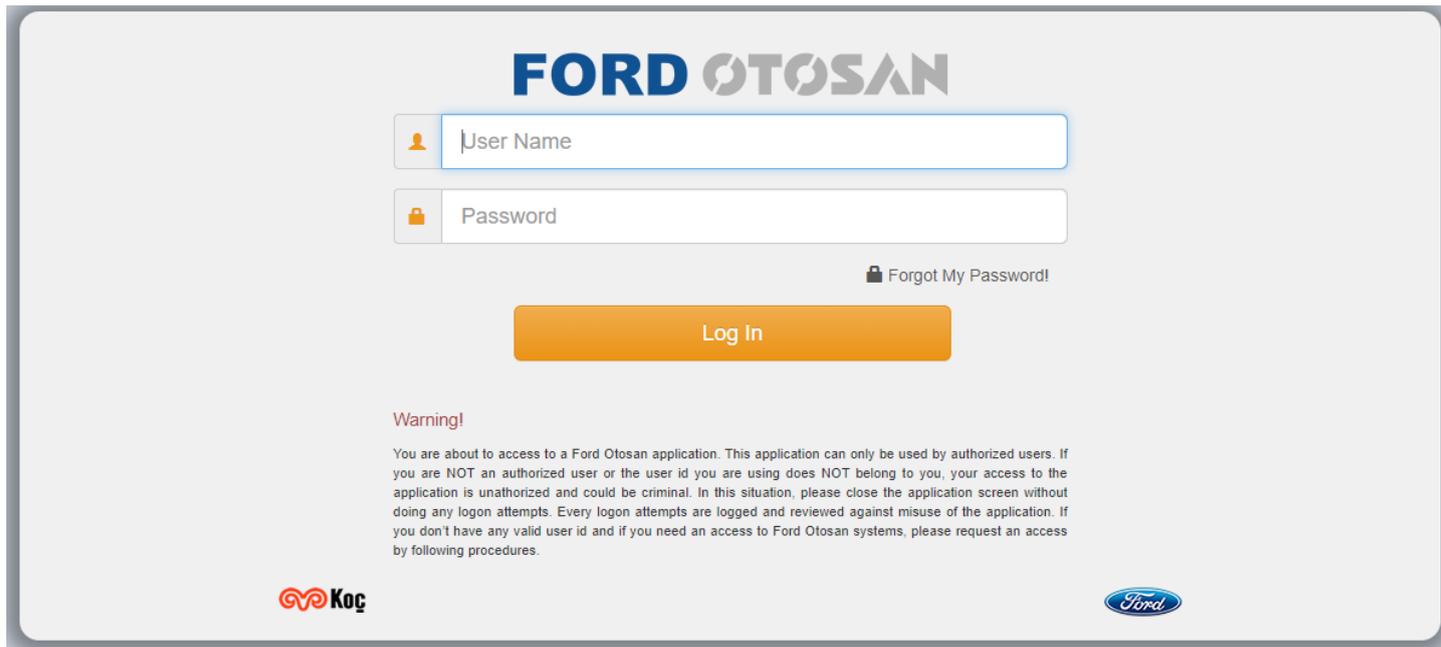
- F-Line Diagnostics Port Location on Vehicle:



- Click on the 'FODIT' icon on the desktop.



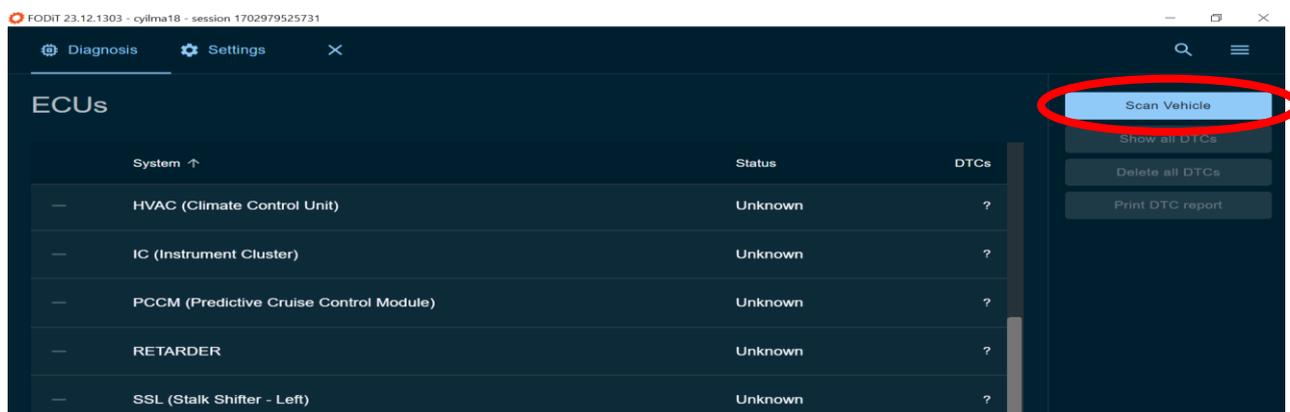
- You can start the program with your username and password.



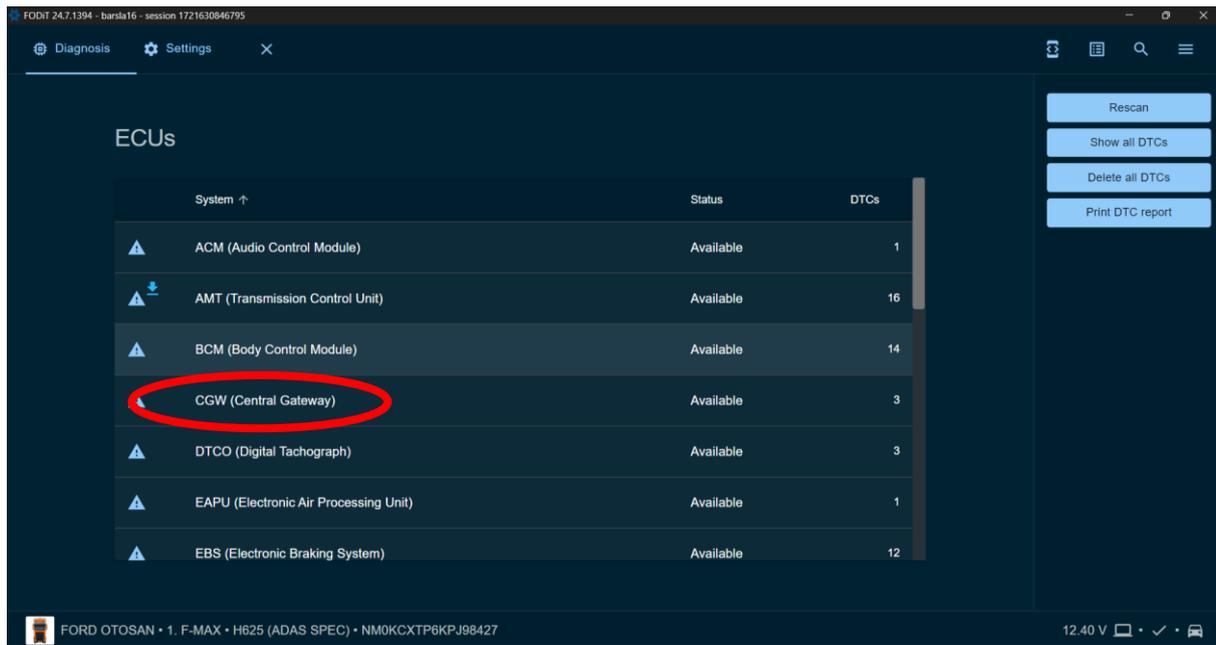
- Go to setting screen and search for VCIs and connect to it.



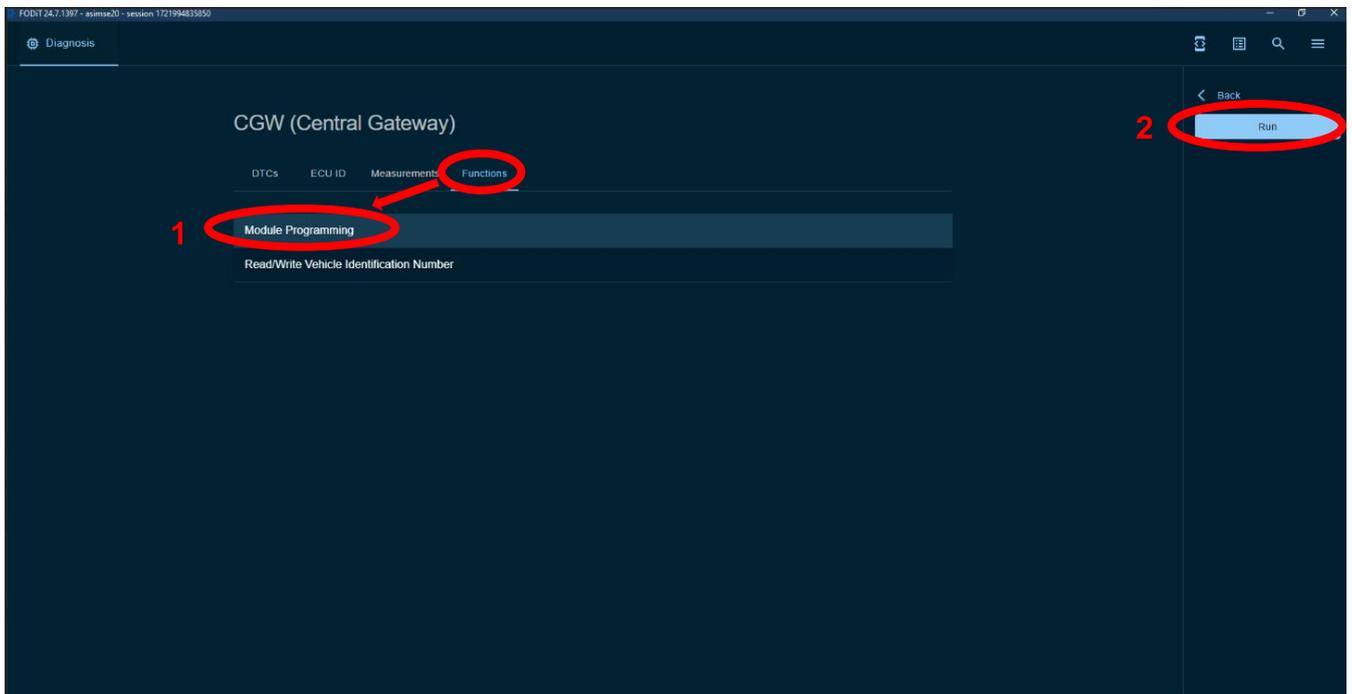
- After you connect to VCI, click button will be active. Please click on the 'Scan Vehicle' button in order to find the Modules.



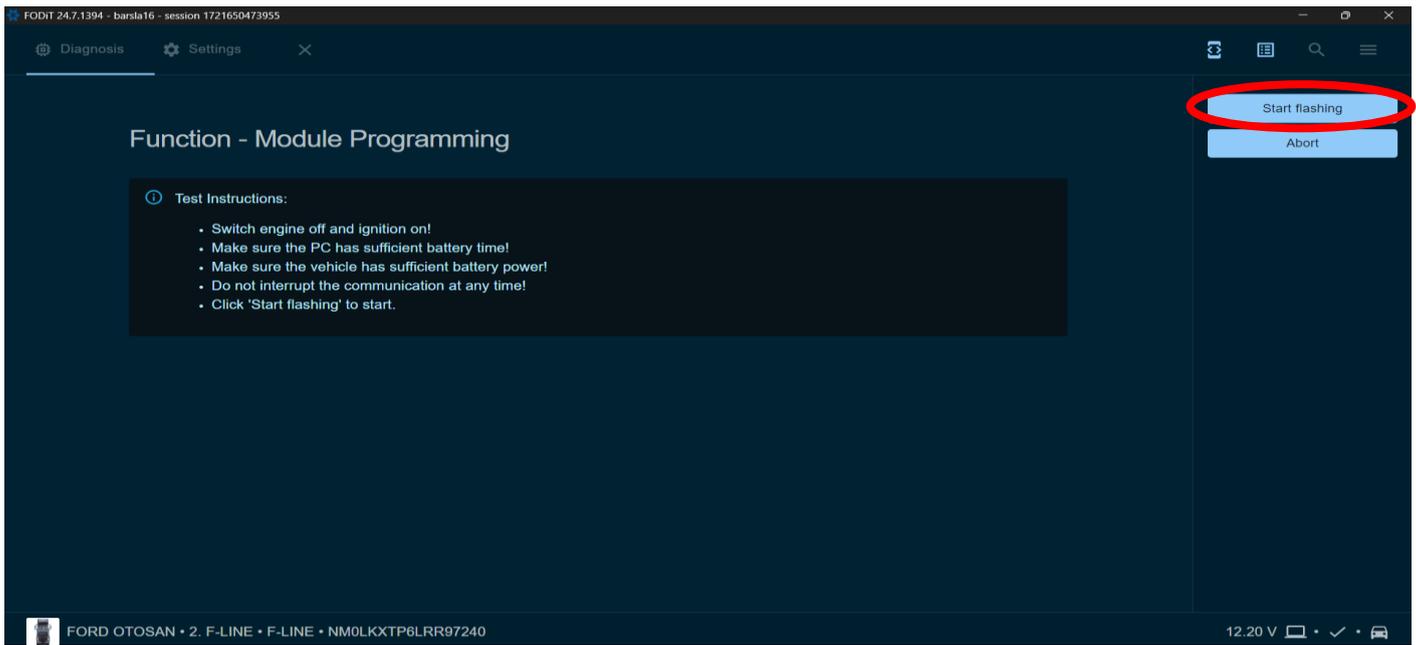
- Please select CGW module after search completed successfully.



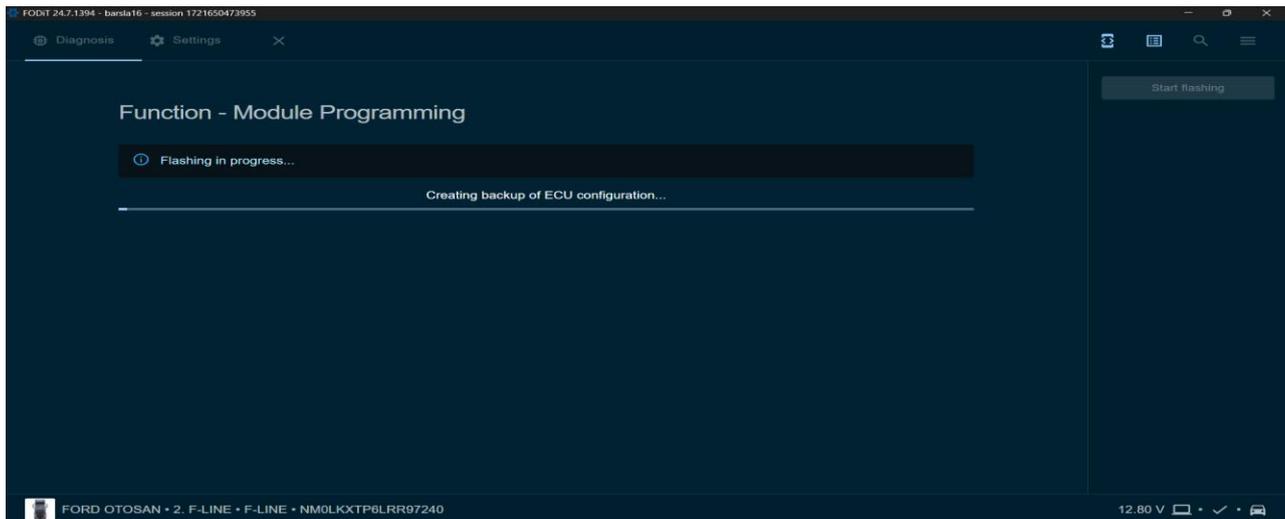
- Go to the “Function” tab and select “Module Programming.” After that please click “run” to perform module programming.



- Click the “Start Flashing” button.



- Wait until the flashing completed successfully and click exit.

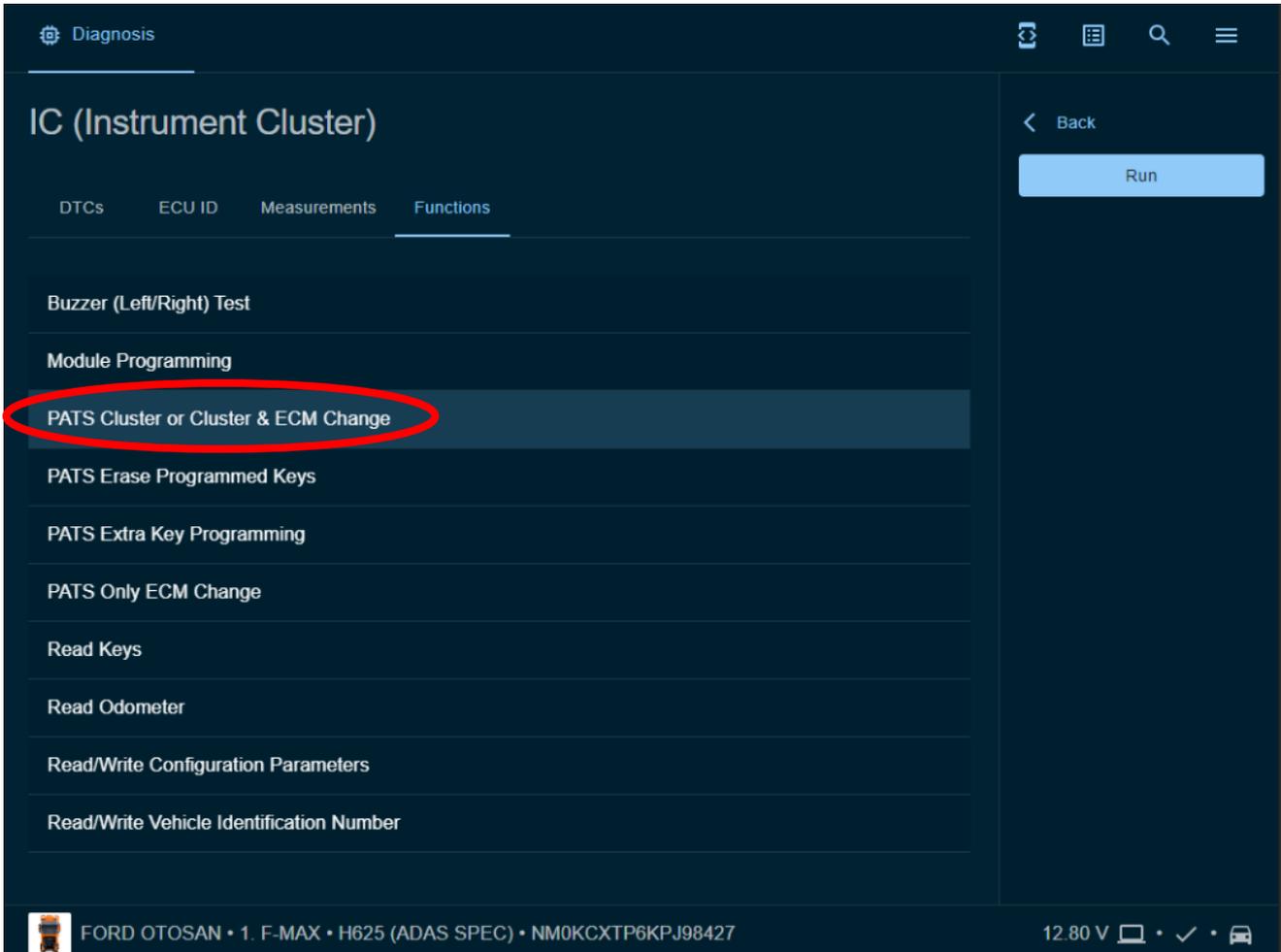


- Check the process has been completed successfully.



After module programming process has been completed, please check CGW parameters whether correct or not. If not, please write configuration parameters via FODiT.

- Please select IC module.
- For Cluster Change or Cluster & ECM Change, go to the “Function” tab and select “PATS Cluster Change or Cluster & ECM Change” feature.

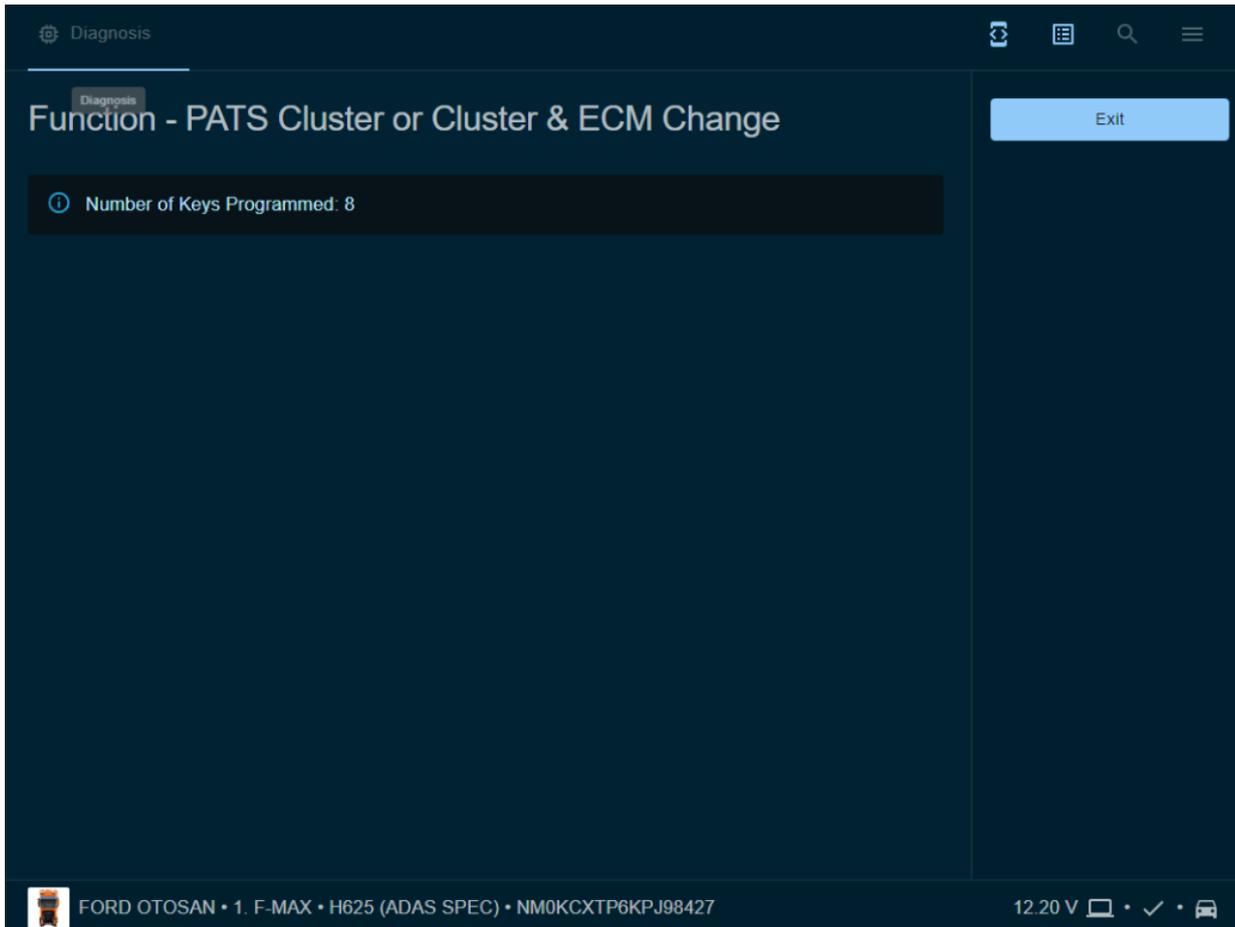


- Click Next Button and wait 16 minutes.

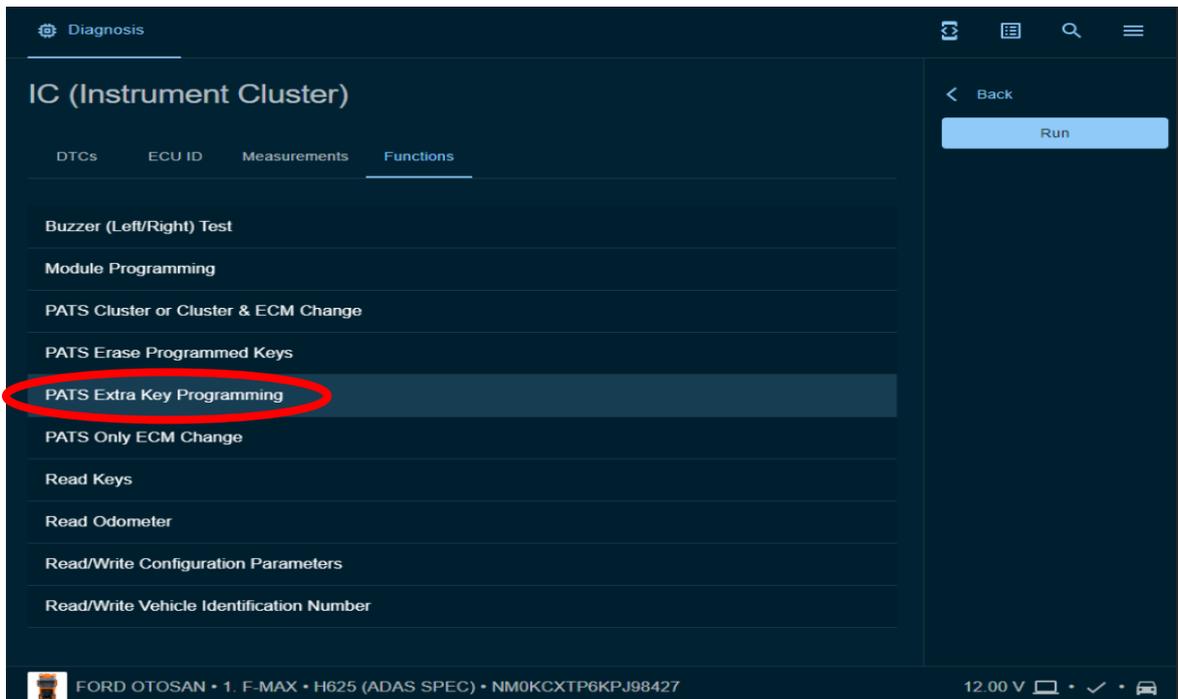


- Follow the instructions for each keys and read the number of programmed keys.

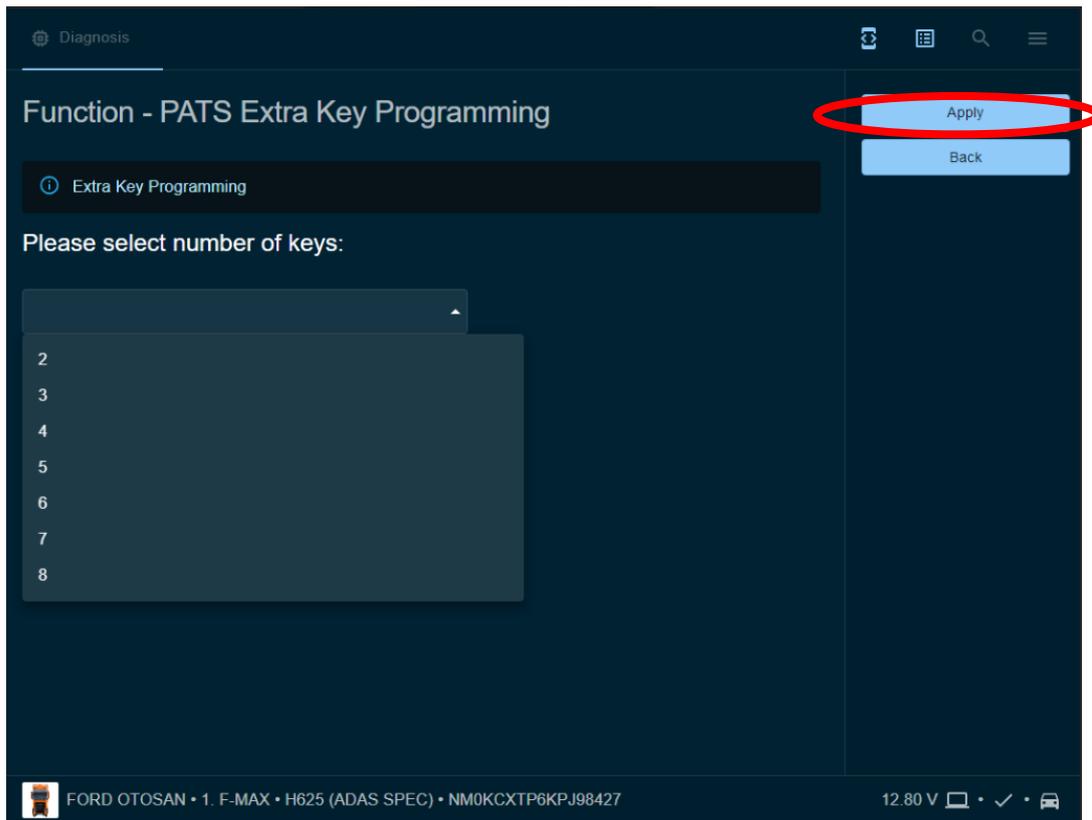




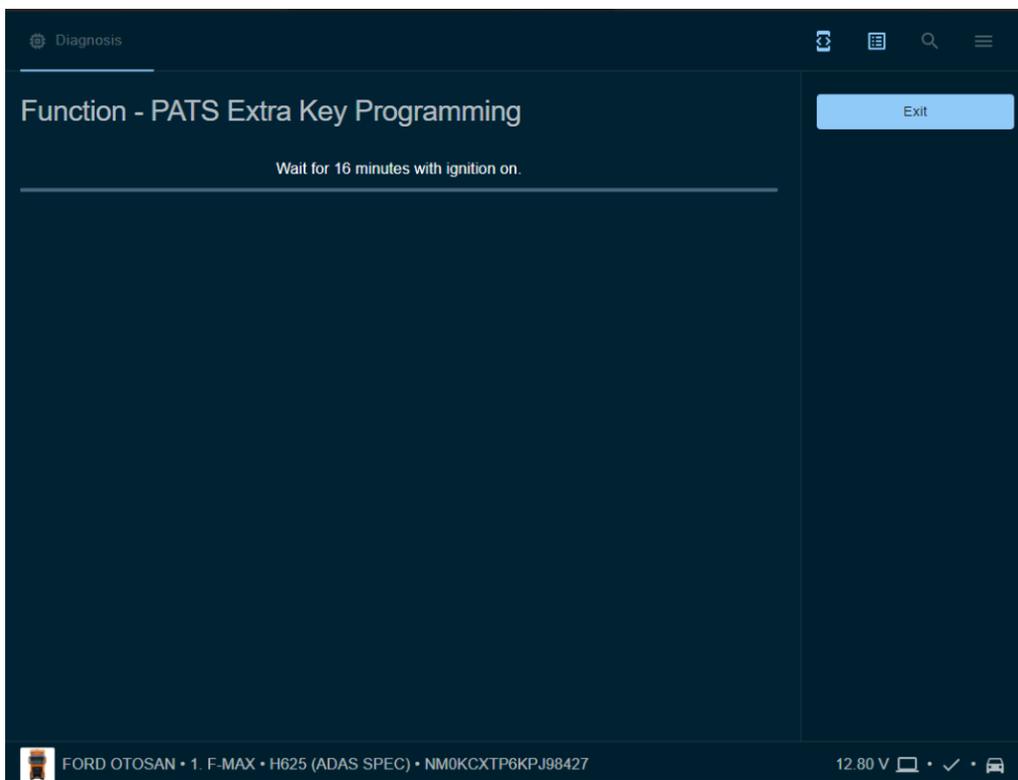
- For Extra Key programming, select “PATS Extra Key Programming” feature.



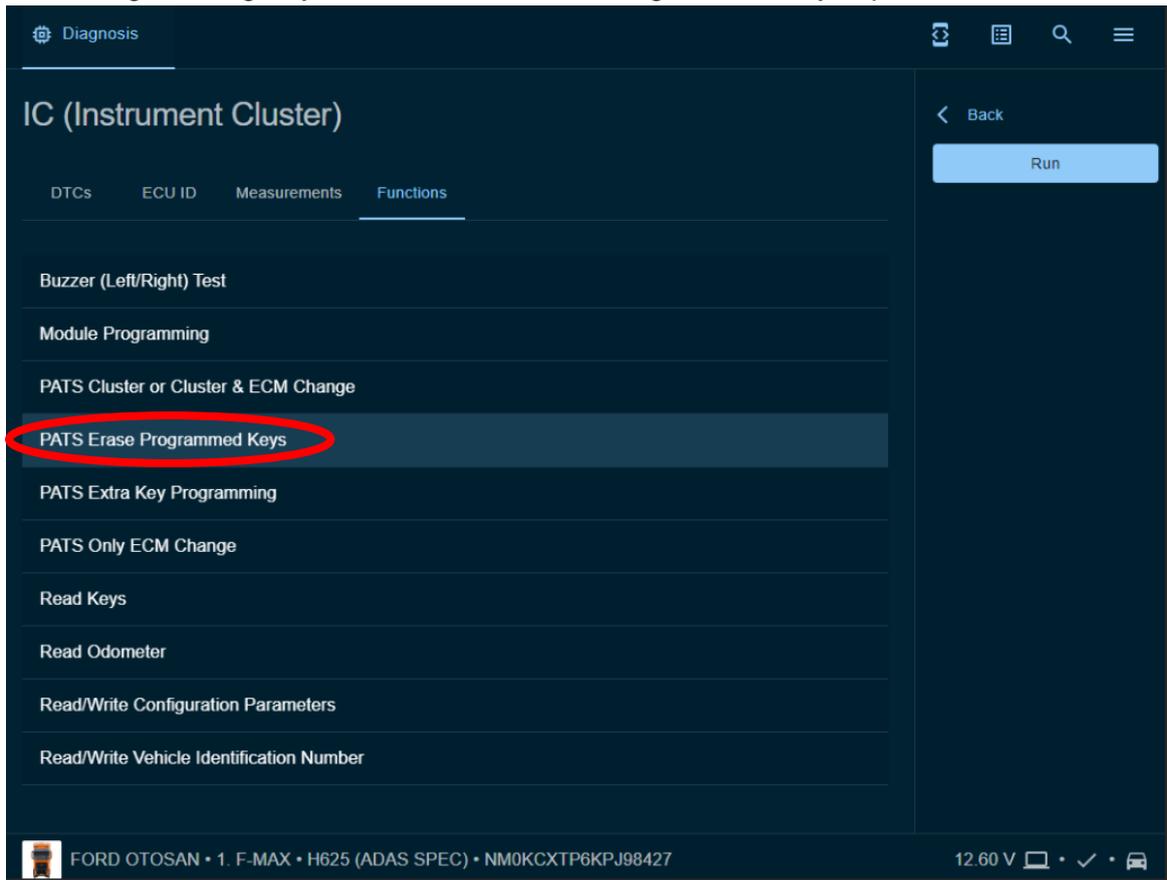
- Select number of demanding programming keys. Then click “Apply” button.



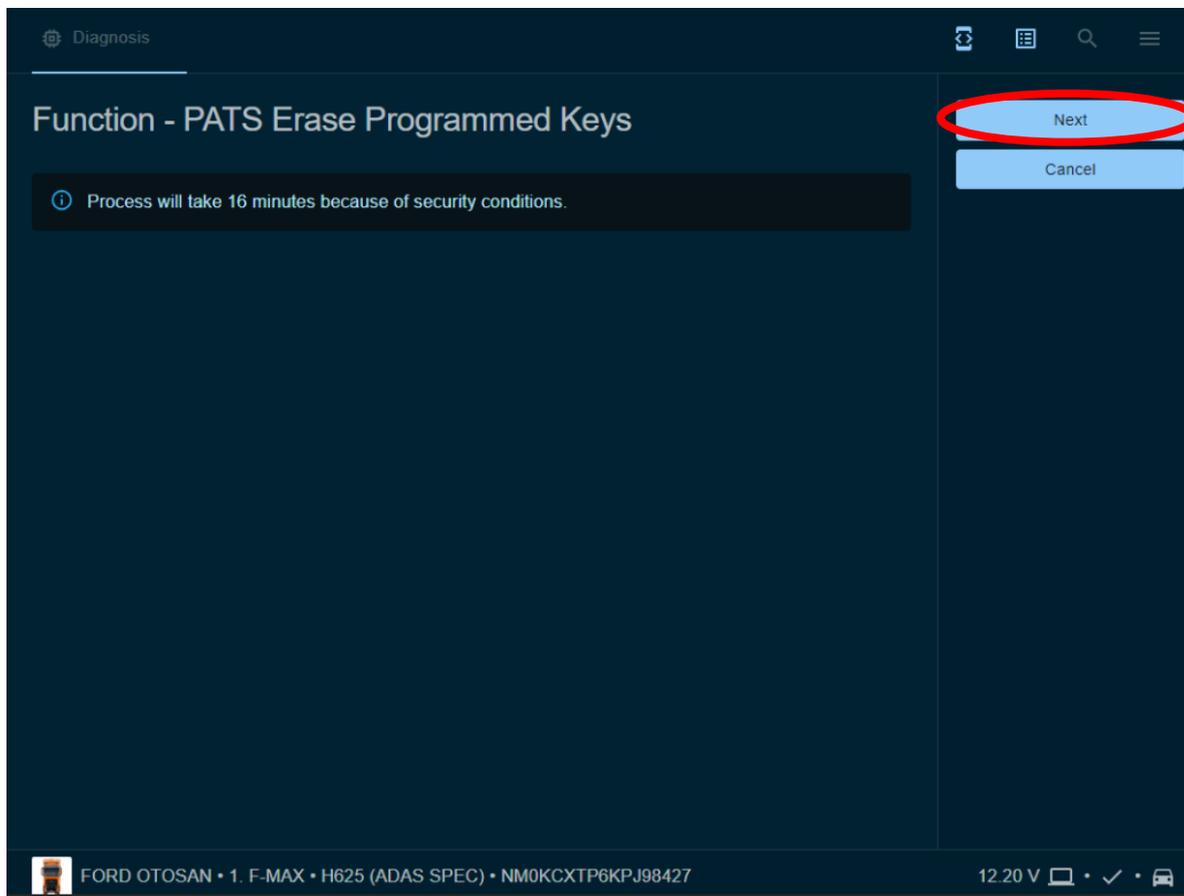
- Wait 16 mins with ignition on position.



- For Erase Programming Keys, select PATS Erase Programmed Keys option.



- Click Next button and wait 16mins.



- Follow the instructions to program keys.

Diagnosis

### Function - PATS Erase Programmed Keys

Read the number of keys

Exit

Put the first key and turn key position 2. Remove the key.  
Put the spare key and turn key position 2. Remove the key.

Saved to this PC

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- For only ECM change, select PATS Only ECM Change option.

### IC (Instrument Cluster)

DTCS ECU ID Measurements Functions

PATS Cluster or Cluster & ECM Change

PATS Erase Programmed Keys

PATS Extra Key Programming

**PATS Only ECM Change**

Read Keys

Read Odometer

Read/Write Configuration Parameters

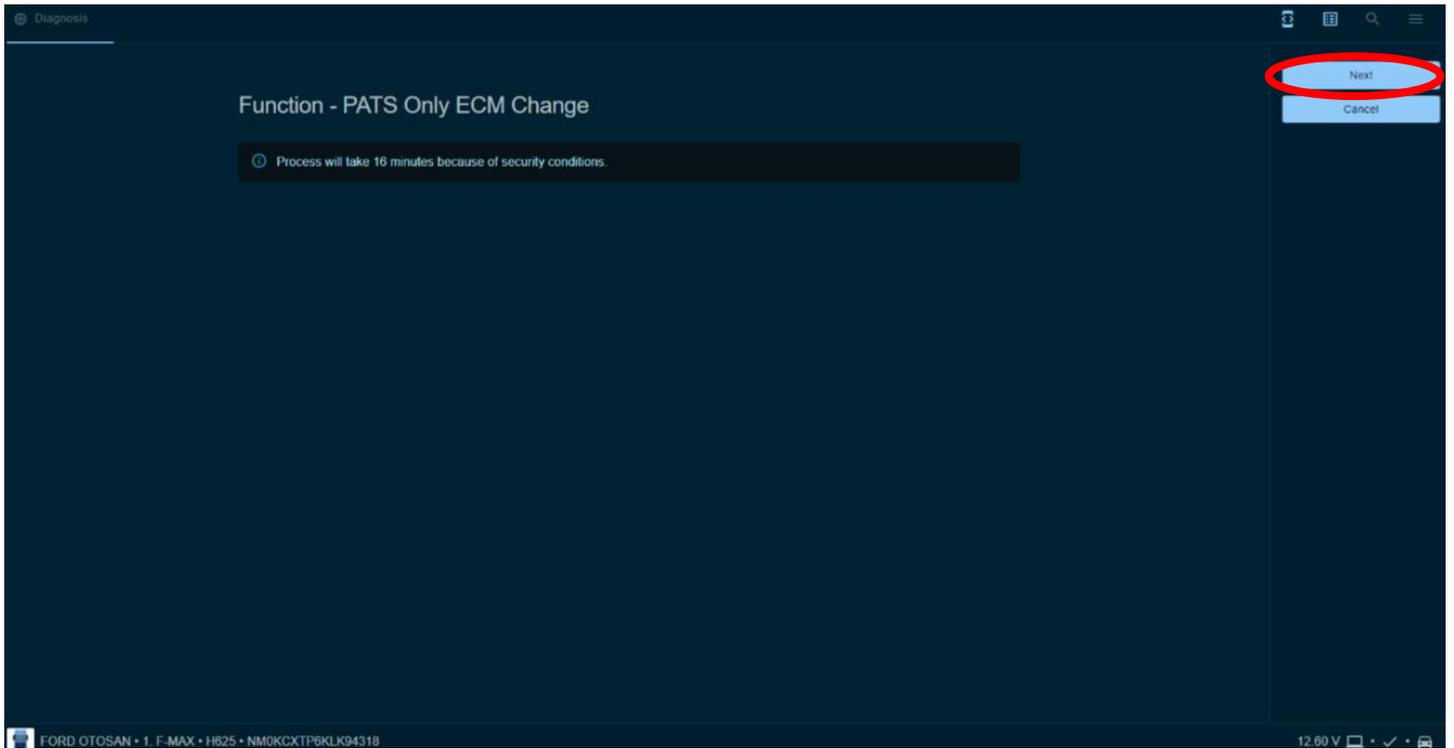
Read/Write Vehicle Identification Number

Run

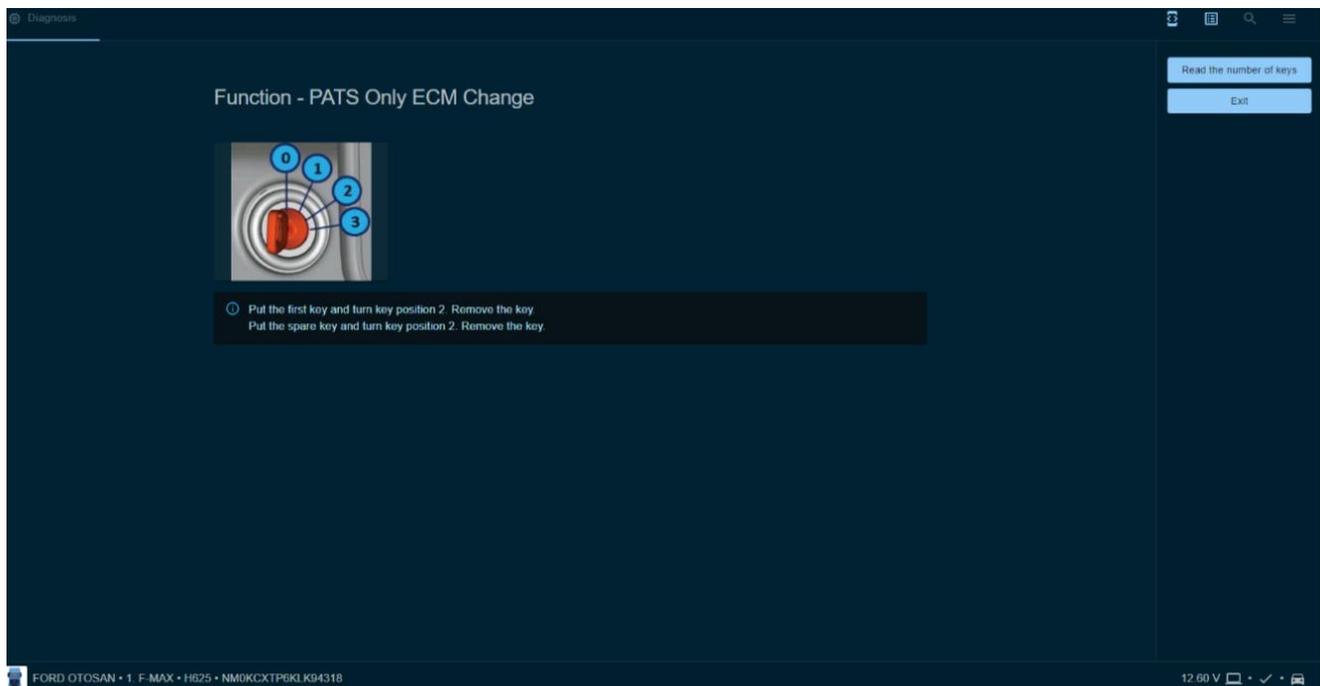
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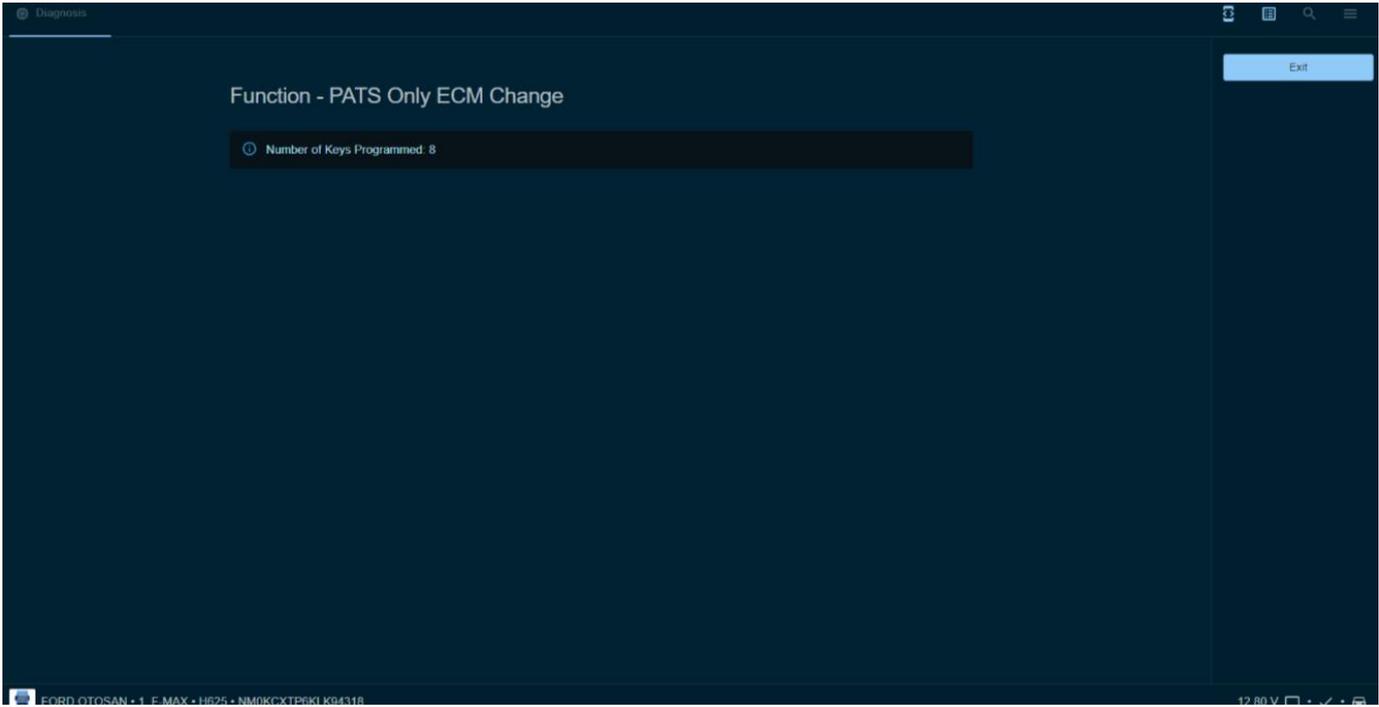
12.20 V

- Click Next button and wait 16mins.



- Follow the instructions to program keys.





Regards,

Ford Trucks Service Engineering