Technical Service Bulletin No. 06/2024

Heavy Commercial Vehicles

Bulletin to be circulated to:	Service Manager	Warranty Manager	Parts Manager	Master Technician	Service Consultant	BMIS	
	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	✓	

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

<u>Labour</u>

Labour Code	Labour Name	Duration (Hour)
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.

		FORD ΟΤΟΣΛΝ
	1	User Name
		Password
		Forgot My Password!
		Log In
	Warni	ng!
	You are you are applicat doing a you don by follow	about to access to a Ford Otosan application. This application can only be used by authorized users. If NOT an authorized user or the user id you are using does NOT belong to you, your access to the ion is unathorized and could be criminal. In this situation, please close the application screen without ny logon attempts. Every logon attempts are logged and reviewed against misuse of the application. If if have any valid user id and if you need an access to Ford Otosan systems, please request an access wing procedures.
Mo <u>c</u>		

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

Lua LUA	Connect
VCIOT-00000 [DSI] CONNECTED AVL Ditest VCI2K_DPDU_API_bundled	Settings Disconnect
	Search VCIs

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

FODIT 23.12.1303 -	cyilma18 - session 1702979525731			- 0 ×
Diagnosi	s 🏟 Settings 🗙			৹ ≡
ECUs			<	Scan Vehicle
				Show all DTCs
	System ↑	Status	DTCs	Delete all DTCs
	HVAC (Climate Control Unit)	Unknown		Print DTC report
	IC (Instrument Cluster)	Unknown		
	PCCM (Predictive Cruise Control Module)	Unknown	?	
	RETARDER	Unknown	?	
	SSL (Stalk Shifter - Left)	Unknown	?	

• 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.

FODi 24.7.1977 - axims20 - sexisen 72199433559	- 0 ×
Diagnosis	5 ⊞ < =
	K Back
CGW (Central Gateway)	2 Run
DTCs ECU ID Measurements Functions	
Module Programming	
Read/Write Vehicle Identification Number	

• Click the "Start Flashing" button.



• Wait until the flashing completed successfully and click exit.

FODIT 24.7.1394 - barsla16 - session 1721650473955	- a ×
(a) Diagnosis	☑ ▥ ≡
Function - Module Programming	
Flashing in progress	
Creating backup of ECU configuration	
FORD OTOSAN • 2. F-LINE • F-LINE • NM0LKXTP6LRR97240	12.80 V 🛄 • 🗸 • 🛱

• 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.

Diagnosis	ତି 🗉 ୯ ≡
IC (Instrument Cluster)	< Back
DTCs ECU ID Measurements Functions	Run
Buzzer (Left/Right) Test	
Module Programming	
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	
FORD OTOSAN • 1. F-MAX • H625 (ADAS SPEC) • NM0KCXTP6KPJ98427	12.80 V 🛄 • 🗸 • 🛱

• 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.

Diagnosis	3	⊞	۹	≡
IC (Instrument Cluster)	< 1	3ack		
DTCs ECU ID Measurements Functions			Run	
Buzzer (Left/Right) Test				
Module Programming				
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				
FORD OTOSAN • 1. F-MAX • H625 (ADAS SPEC) • NM0KCXTP6KPJ98427	12	.00 V <u>C</u>	_ ·~	• 🖨

• 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.

Diagnosis	C		۹	≡
IC (Instrument Cluster)	<	Back		
DTCs ECU ID Measurements Functions			Run	
Buzzer (Left/Right) Test				
Module Programming				
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				
FORD OTOSAN • 1. F-MAX • H625 (ADAS SPEC) • NM0KCXTP6KPJ98427	12	2.60 V <u>[</u>	- ·~	• 🛋

• Click Next button and wait 16mins.

Diagnosis	0	Ξ ⊂	≡
Function - PATS Erase Programmed Keys	S	Next	
Process will take 16 minutes because of security conditions.		Cancer	
FORD OTOSAN • 1. F-MAX • H625 (ADAS SPEC) • NM0KCXTP6KPJ98427	12	.20 V 🛄 •	✓・■

• Follow the instructions to program keys.

Diagnosis	0		Q	
Function - PATS Erase Programmed Keys	Re	Read the number of keys		
Put the first key and turn key position 2. Remove the key. Put the spare key and turn key position 2. Remove the key.			Exit	
			Saved	to this PC
FORD OTOSAN • 1. F-MAX • H625 (ADAS SPEC) • NM0KCXTP6KPJ98427	12	.20 V <u>C</u>	⊒∙∽	′• 🚘

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

		K Back
	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	
RD O	OSAN + 1 F-MAX + H625 (ADAS SPEC) + NM0KCXTP6KP.J98427	12.20 V 🗖 • 🗸 • 🖨

• Click Next button and wait 16mins.



• Follow the instructions to program keys.

Diagnosis	8 🖩 ९ ≡
Function - PATS Only ECM Change	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.	
FORD OTOSAN + 1, F-MAX + H625 + NM0KCXTP6KLK94318	12.60 V 🛄 • 🗸 • 🚔



Regards,

Ford Trucks Service Engineering