# FIAT Ducato MCA NOx Temperature Sensor

# **Replacement (Midstream SCR Catalyst)**

**Supported equipment:** Launch's full range of comprehensive diagnostic equipment

## Current equipment: PAD 5

**Function description:** When replacing the NOx temperature sensor (midstream SCR catalyst) for FIAT, you need to perform this program.

Tested model: 2021/Fiat/Ducato MCA, VIN: ZFA25000002U\*\*\*\*\*

1. On a PAD 5, choose [Local Diagnose] and then [FIAT] to test.



									🕈 🕸 🗢 📮 🛢 9:33 AM
Local Diagnos	е							Q Enter t	the model name
VIN scan All	Common	American	European	Asian	Chinese	Can Bu	is Pin Detect	ion Purcha	ise
Diagnostics for	Diagnostics for	Ø	iagnostics for	D	agnostics for		Diagnostics for	Diagnos	stics for
ABARTH	ALFA	ROMEO	CHRYSLI	ER	DODG	E	FIAT	r	JEEP
by LAUNICL		by LAUNCH		by LAUNCH		by LAUNCH		but AUNCH	bul AI BIOL
Diagnostics for		by ENGNOIT		by Dionerry		by Excitent		by cabiteri	by Lionary
LANCIA									
by LAUNCH	J								
0	Q	L.						ស្ល	<b>•</b> )
<u>→</u> ⊗									🗣 🔰 🕕 👽 🚊 3:17 PM
Vehicle Versio	n Inforn	nation					1		♥ ¥ ⊕ ♥ ₤ 3:17 PM
Vehicle Versio	n Inforn	nation		,	Version #		1		♥ ¥ ⊕ ♥ ₤ 3:17 PM
Vehicle Versio Software ID	on Inforn	nation			Version # V38.65		1		♥ ¥ (D ♥ £ 3:17 PM
Vehicle Versio Software ID FIAT	n Inforn	nation	F	FIAT V	Version # V38.65 <b>38.65</b>		1		♥ ¥ (D ♥ 11 3:17 PM
Vehicle Versio Software ID FIAT	n Inforn	nation	F	FIAT V	Version # V38.65 <b>38.65</b>		1		♥ * @ ♥ 1 3:17 PM
Vehicle Versio Software ID FIAT Introduction ECU Coverage:	n Inforn	nation	F	FIAT V	Version # V38.65 <b>38.65</b>		ſ		♥ ¥ (D ♥ £ 3:17 PM
Vehicle Versio Software ID FIAT Introduction ECU Coverage: This Software Diagnos Control And Headlamp	es All FIAT Ser , Etc.	nation	<b>F</b> g Engine, AT, ABS	FIAT V	Version # V38.65 <b>38.65</b> Istrument, Power	r Steering, B	ody PC, Door Con	ntrol, Tire Pressure	•     •     •     1     3:17 PM       •     •     •     •     •       •     •     • <t< th=""></t<>
Control And Headiamp (The Following Models	es All FIAT Ser , Etc. : Govered Are C	nation ies ECUs, Includin	g Engine, AT, ABS	FIAT V s, SRS, A/C, Ir	Version # V38.65 <b>38.65</b> Instrument, Power	r Steering, B	ody PC, Door Com	ntrol, Tire Pressure	•     •
Control And Headlamp (The Following Models  Basic Functions Include:  Particular  Particu	es All FIAT Ser , Etc. : Covered Are C	nation ies ECUs, Includin Jnly For Reference	g Engine, AT, ABS And Will Vary Cor	FIAT V: , SRS, A/C, Ir nstantly With	Version # V38.65 <b>38.65</b> Instrument, Powel The Upgrades C	r Steering, B Df Software,	ody PC, Door Con	ntrol, Tire Pressure	•     •
Control And Headlamp (The Following Models  Basic Functions Include: Reading ECU Informati Reading DTCs Colearing DTCs Reading Vehicle Runnil Vehicle component Op	es All FIAT Ser , Etc. a Covered Are C ion ng Data ieration Test	nation ies ECUs, Includin )nly For Reference	<b>g</b> Engine, AT, ABS And Will Vary Cor	FIAT V , SRS, A/C, Ir nstantly With	Version # V38.65 <b>38.65</b> Istrument, Power The Upgrades C	r Steering, B Df Software,	ody PC, Door Con	ntrol, Tire Pressure	•     •
Control And Headianput Control And Headianput Control And Headianput Control And Headianput (The Following Models Basic Functions Include: Reading DTCs Reading Vehicle Runnii Vehicle component Op Special functions include:	es All FIAT Ser , Etc. a Covered Are C ion ng Data eration Test	nation ies ECUs, Includin Dnly For Reference	<b>F</b> g Engine, AT, ABS And Will Vary Cor	FIAT V:	Version # V38.65 <b>38.65</b> astrument, Power	r Steering, B Df Software,	ody PC, Door Con	ntrol, Tire Pressure	•     •
Control And Headlamp Control And Headlamp Control And Headlamp (The Following Models Basic Functions Include: Reading DECS Reading DECS Reading Vehicle Runnii Vehicle component Op Special functions include: Key Programming(lBo Tire Pressure detection	es All FIAT Ser , Etc. a Covered Are C ion ng Data neration Test dy Module]) n([Body Modul	nation ies ECUs, Includin Dnly For Reference	g Engine, AT, ABS And Will Vary Cor	FIAT V3	Version # V38.65 <b>38.65</b> Instrument, Power The Upgrades C	r Steering, B 2f Software,	ody PC, Door Con	ntrol, Tire Pressure	•     •
Control And Headlamp (The Following Models  Basic Functions Include: Reading ECU Informati Reading DECs Reading DECs Reading Vehicle Runnii Vehicle component Op  Special functions include: Key Programming(Ibo The Pressure detection	es All FIAT Ser , Etc. a Covered Are C ion ng Data ereation Test dy Module]) n([Body Modul	nation ies ECUs, Includin Dnly For Reference	g Engine, AT, ABS And Will Vary Cor Control])	FIAT V	Version # V38.65 <b>38.65</b> Instrument, Power	r Steering, B Df Software,	ody PC, Door Com	ntrol, Tire Pressure	e OK
Central Data Control and Headlamp (The Following Models  Control And Headlamp (The Following Models  Easic Functions Include:  Reading ECU Informati Reading DTCs Centrol DTCs Cent	es All FIAT Ser , Etc. covered Are C ion ng Data eration Test dy Module]) n([Body Modul	ies ECUs, Includin Inly For Reference	g Engine, AT, ABS And Will Vary Cor Control])	FIAT V	Version # V38.65 <b>38.65</b> Instrument, Power The Upgrades C	r Steering, B Df Software.	ody PC, Door Com	ntrol, Tire Pressure	e OK

2. Choose [Automatically Search] to identify car models automatically. After the car model is successfully identified, choose OK.

v 🖬 🛞	🕈 🕲 🗢 📱 3:18 PM
Show Menu	<b>↑ 2</b> ē <b>₽</b>
FIAT V38.65 > FIAT	🫜 🕇 0 b/s 🛛 🖊 0 b/s 👫 12.47V
	Q Please enter keyword
Automatically Search	Manually Select
Help Information	ADAS Calibration

<i>Q</i> <b>2</b> (			ŝ	€)
<b>ユ</b> ひ (第)				🕈 🖇 🕩 🗢 🔒 3:18 PM
Show Menu		A 2		P
FIAT V38.65 > FIAT		<u></u>	938 b/s 🔱94 QPlea	1 b/s ∓ 12.34V se enter keyword
Automatically Search	FIAT			
Help Information	VIN:ZFA25000002U Model Name:DUCATO MCA Model Year:2021(As Of) Body Name:N2 Car Code:0x00e0c0x08043 Please Record Or Print The Informatio Page Which Is Useful For You To Que Market Service Center. If Identified Wrong Vehicle Model, Ple Return And Manually Select Menu To The Test!	on On This ry After- vase Perform		
Q 🖸 (	<u></u>		ŵ	€

### 3. Choose [Yes] to unlock the SGW.

<b>国 </b>			♥ ≯	🗢 ヤ 🖹 2:03 PM
FIAT	<b>f</b>	Ĩ.		F
			蓉 🕇 2.70 kb/	s 🕹 2.78 kb/s
The Vehicle Is Equipped With SGW (Security Gateway) Module. Do You Want To Login With FCA Account To Unlock SGW (Security Gatew Supports European Region Or North American Region(USA & Canada & N Your Dealer.	ay) Module <mark>/exico). It D</mark>	? epends Or	The Busine	ess Area Of
*YES* - Login With FCA Account, Unlock The SGW (Supports'Version Infor Stream','Actuation Test'And'Special Function') *NO* - Not Unlock SGW (Only Supports'Version Information','Read DTC'An	mation','Rea d'Read Data	ad DTC','Re a Stream')	ad Data	
Without Unlocking SGW (Security Gateway). The Diagnostic Software Only Supports'Version Information','Read DTC'A	nd'Read Da	ta Stream'	Functions.	
Yes NO				
		]		◆

## 4. Choose [North America] for the region.

🖬 ψ 🋞				♀ ∦ ⊖	💎 📋 2:03 PM
FIAT		A	<b>E</b>		F
			🧊 📬 455 b,	/s 🛛 🕹 462 b/s	🖽 12.41V
The Vehicle Is Equipped With SGW Do You Want To Login With FCA Ac Supports European Region Or Nort Your Dealer.	(Security Gateway) Module. count To Unlock SGW (Security Gatew <b>h American Region(USA &amp; Canada &amp; N</b>	ay) Module <mark>lexico). It l</mark>	e? Depends On T	The Busines	s Area Of
*YES* - Login With FCA Account, L	Sign in to unlock SGW		nd DTC','Rea	d Data	
*NO* - Not Unlock SGW (Only Sup	Region Select	•	Stream')		
Without Unlocking SGW (Security	North America		ta Stream'E	unctions	
The Diagnostic Software Only Su	European		la Stream F	unctions.	
	Other				
Q 🖸 🕓		[	 ្រ	^ <b>▲</b>	)

5. Input the login user name and password, and click OK.

🖬 Ų, 🛞				♥ *	🔿 💙 📋 2:04 PM
FIAT		A	<b>E</b>		P
				🤶 🕇 0 b/s	<b>4</b> 0 b/s
The Vehicle Is Equipped With SGW Do You Want To Login With FCA A Supports European Region Or No Your Dealer.	(Security Gateway) Module.		? epends Or	1 The Busin	ess Area Of
*YES* - Login With FCA Account, U Stream','Actuation Test'And'Specia *NO* - Not Unlock SGW (Only Sup)	North America	•	ıd DTC','Re ı Stream')	ad Data	
Without Unlocking SGW (Security The Diagnostic Software Only Su	Username		ta Stream'	Functions.	
	Retrieve Password	New Registration			
	SKIP	ок	J		
				ŝ	Ð

6. Unlocking is successful. Click OK.

<b>国                                    </b>				♥ ≯	😑 💎 📋 2:05 PM
FIAT		A	Ľ		P
				🤶 🕇 383 b/s	<b>↓</b> 173 b/s
The Vehicle Is Equipped With SGW Do You Want To Login With FCA Ac Supports European Region Or Nort Your Dealer.	(Security Gateway) Module. count To Unlock SGW (Security Gatew <b>h American Region(USA &amp; Canada &amp; N</b>	vay) Module <mark>Mexico). It [</mark>	? Depends Or	n The Busine	ess Area Of
*YES* - Login With FCA Account. U	block The SGM (Supports')/orgion Infor	mation <sup>11</sup> Do	nd DTC'.'Re	ad Data	
Stream', Actuation Test'And'Specia	Prompt Information				
*NO* - Not Unlock SGW (Only Sup			Stream')		
Without Unlooking SCW (Security	Secure Gateway Unlocked Successful	lly!			
The Diagnostic Software Only Su			ta Stream'	Functions.	
	ок				
<i>Q</i> 🔤 🕓		C		<u>ہ</u>	Ð

<b>→</b> <sup>ty</sup> (*)	♥ * ⊕ ▼	🖸 3:18 PM
System and Fund	ction 🔒 🛃 👘 🗎	₽
FIAT V38.65 > Automatically S	Search > DUCATO MCA > 2021 🛜 🕇 732 b/s 🕴 🗜	<b>1</b> 2.34V
System Topology	*Support sliding up and down INormal Abnormal Scanned Not Scanned INot Equipped	
System List	DCU ESM RFH TBM2 TPM	
Multi-system Datastream	DSM <u>ETM</u> ICS RBSS	
Common Functions	EPS HALF PAM	
ADAS Calibration	OBD BCM	
All System Special Functions		
	κ	
	Smart Detection System Scan Select Dete	ction
Ø 🗖		

#### 7. Click [Smart Detection] to scan the entire vehicle systems.

8. Click [ECM (Engine Control Module)] to access the system.

<u>⊸</u> Ψ (🛞				🕆 🕩 🗢 📱 3:21 PM
System and Fund	ction	<b>A</b>	2	<b>₽</b>
FIAT V38.65 > Automatically S	Search > DUCATO MCA > 2021		🛛 🛜 🕇 1.86 kb/s 🛛 🖡 1.77 l	kb/s 🕂 12.32V
System Topology	*Support sliding up and down =Normal =Abnorma	ECM 2 IPC	Not Equipped	8
System List	CANLE 11 ASCM	J ESM R	FH TBM2	ТРМ
Multi-system Datastream			CS RBSS	
Common Functions	CAN,H_12_13 ABS	S HALF P	PAM2	
ADAS Calibration	OBD BCM			
All System Special Functions				
	к			
		Report Compare Res	ults Diagnostic Plan	Clear DTCs
$\Diamond$				Ð

## 9. Choose [Special Function].

<b>」</b>	💲 🕕 💎 🖺 3:22 PM
Show Menu	
FIAT V38.65 > Automatically Search > DUCATO MCA > 2021 > ECM (Engine Contr	ol Module) 🛜 🕇 0 b/s 🕂 12.34V
	QPlease enter keyword
Module Information	Read Fault Code
Clear Fault Memory	Read Data Stream
Actuation Test	Special Function
Configuration	

Q	P	J.		<u>ک</u>	Ð	

### 10. Choose [Misc Function].

<b>_</b> Ψ 🛞				🕸 🕩 🐨 📱 3:22 PM
Show Menu		<b>f</b>	<del>Z</del>	F
FIAT V38.65 > Automat	ically Search > DUCATO MCA > 2021 > ECM (Engine Control Module)			<b>∓−</b> 12.35V
				QPlease enter keyword
Misc Function				
System Test				

Q	P			ŵ	↑	

11. Choose [NOx Temperature Sensor Replacement (Midstream SCR (Selective Catalytic Reduction) Catalyst)].

<u>ب</u>						🕏 🕕 🔻 🖬 2:30 PM				
Show Menu		<b>f</b>	<b>Z</b>	2	Ē	P				
FIAT V38.65 > Automatically Search > DUCATO MCA > 2021 > ECM (Eng	ine Contro	l Module)				<b>∓</b> −12.65V				
					QPlease	enter keyword				
Injector Codes Read		Injector Repl	acement (Pe	er Bank)						
Intelligent Alternator (IAM) Replacement		Neutral Sign	al Learning							
Nox Temperature Sensor Replacement (Downstream SC (Selective Catalytic Reduction) Catalyst)	R	NOx Temperature Sensor Replacement (Midstream SCR (Selective Catalytic Reduction) Catalyst)								
NOx Temperature Sensor Replacement (Upstream SCR (Selective Catalytic Reduction) Catalyst)		Oil Change								
Particulate Filter (DPF) With Integrated Selective Catalyt Reduction (SCR) Replacement	ic	Particulate F	ilter Regenei	ration						
Particulate Filter Regeneration (Service For The Transfor	mer)	Particulate M	latter Senso	r Replaceme	ent					
Rail Pressure Sensor Replacement		Temperature	Sensor Rep	lacement (Ir	nlet SCR (Se	lective				
Q 💌 🖾					ŝ	Ð				

⊥ Ų					3	🗱 🕕 🔻 🖬 2:30 PM
Show Menu		A	Ľ	2		F
FIAT V38.65 > Automatically Search > DUCATO MCA > 2021 > ECM	(Engine Control	Module)				<b>∓−</b> 12.62V
					Please	
Injector Codes Read		Injector Repla	acement (Pe	r Bank)		
Intelligent Alternator (IAM) Replacement		Neutral Signa	al Learning			
NOX Temperat	ure Sensor	Replaceme	nt (Midst			
Nox Temperature Sensor Replacem It Is Necessar (Selective Catalytic Reduction) Cata In The Event	ry To Carry ( Of Nox Temp	Out This Proc perature Sen	edure sor	Replaceme tion) Cataly	ent (Midstre /st)	am SCR
NOx Temperature Sensor Replacern (Selective Catalytic Reduction) Cata	(Midstream uction) Cata	n SCR (Select alyst)				
Particulate Filter (DPF) With Integra CANCEI Reduction (SCR) Replacement	L	ок	:	ation		
Particulate Filter Regeneration (Service For The Trans	sformer)	Particulate M	latter Senso	r Replaceme	ent	
Rail Pressure Sensor Replacement		Temperature	Sensor Rep	lacement (Ir	nlet SCR (Se	lective
Q 🔹 🖫			[		ŵ	Ð

#### 13. Click OK.

								* (	🕽 🔻 🗜 2:30 PM		
Show Menu			A		Ľ	2			P		
FIAT V38.65 > Automatically Search > DUCATO MCA > 2021 > ECM (Er	ngine Contro	ol Modul	e)						+- 12.62V		
							QPI				
Injector Codes Read		Injector Replacement (Per Bank)									
Intelligent Alternator (IAM) Replacement		Neutral Signal Learning									
NOx Temperatur	re Senso	or Rep	lacem	ient (	Midst	•					
Nox Temperature Sensor Replacem (Selective Catalytic Reduction) Cata Following Cond	Shall Be	e Allowed Only If The tion) Catalyst) Are Fulfilled:									
NOx Temperature Sensor Replacen Key On MAR Ar (Selective Catalytic Reduction) Cata	nd Engine	e Off									
Particulate Filter (DPF) With Integra Reduction (SCR) Replacement			c	ж	v	ation					
Particulate Filter Regeneration (Service For The Transfo	ormer)	Particulate Matter Sensor Replacement									
Rail Pressure Sensor Replacement		Temperature Sensor Replacement (Inlet SCR (Selective							ctive		
Q R (L)					(		ŝ		<b>€</b>		

<u>→</u> V·						🕏 🕕 🔻 🛿 2:30 PM
Show Menu		A	Ľ	2		F
FIAT V38.65 > Automatically Search > DUCATO MCA > 2021 > ECM (Er	ngine Contro	l Module)				<b>+-</b> 12.62V
					Please	enter keyword
Injector Codes Read		Injector Rep	lacement (Pe	er Bank)		
Intelligent Alternator (IAM) Replacement		Neutral Sign	al Learning			
NOx Temperatur	e Senso	r Replacem	ent (Midst			
Nox Temperature Sensor Replacem (Selective Catalytic Reduction) Cata	pleted Su	uccessfully.		Replacemention) Catal	ent (Midstre yst)	am SCR
NOx Temperature Sensor Replacen (Selective Catalytic Reduction) Cata						
Particulate Filter (DPF) With Integra Reduction (SCR) Replacement		0	к	ation		
Particulate Filter Regeneration (Service For The Transfo	ormer)	Particulate I	Matter Senso	r Replacem	ent	
Rail Pressure Sensor Replacement		Temperature	e Sensor Rep	lacement (I	nlet SCR (Se	lective
Q 🔹 🖫			C		ŝ	Ð

#### 15. Click OK.

							\$ 🛈 🔻 🖬 2:3	30 PM				
Show Menu			A	Ľ	2		P					
FIAT V38.65 > Automatically Search > DUCATO	MCA > 2021 > ECM (Ei	ngine Control	l Module)				<b>+-</b> 12.	62V				
						Please						
Injector Codes Read			Injector Replacement (Per Bank)									
Intelligent Alternator (IAM) Replacem		Neutral Signal Learning										
1	IOx Temperatur	e Sensor	r Replaceme	ent (Midst								
Nox Temperature Sensor Replacem (Selective Catalytic Reduction) Cata	mand Has d Wait Fo	las Been Sent,Turn The For The End Of The										
NOx Temperature Sensor Replacem (Selective Catalytic Reduction) Cata	Power Latch (C	Power Latch (Control Unit Switch-Off Delay).										
Particulate Filter (DPF) With Integra Reduction (SCR) Replacement	CANCEL		OI	ĸ	ation							
Particulate Filter Regeneration (Servi	ce For The Transfo	ormer)	Particulate N	Aatter Senso	r Replaceme	ent						
Rail Pressure Sensor Replacement		Temperature Sensor Replacement (Inlet SCR (Selective										
Q 🖪 🖾				[		ŝ	Ð					

<b>⊥</b> ₩						≭ 🕩 👻 🖺 2	:30 PM
Show Menu		A	Ľ	2		P	
FIAT V38.65 > Automatically Search > DUCATO MCA > 2021 > ECM (E	Engine Control	Module)				( <del>+ -</del> )1	2.62V
					Please	e enter key	word
Injector Codes Read		Injector Rep	lacement (F	Per Bank)			
Intelligent Alternator (IAM) Replacement		Neutral Sigr	nal Learning				
NOx Temperatu	re Sensor	Replacem	ent (Midst			272.61	
Nox Temperature Sensor Replacem (Selective Catalytic Reduction) Cata	ev OFF.			Replacer tion) Cat	nent (Midstre alyst)	eam SCR	
NOx Temperature Sensor Replacen (Selective Catalytic Reduction) Cata							
Particulate Filter (DPF) With Integra Reduction (SCR) Replacement		0	ĸ	ation			
Particulate Filter Regeneration (Service For The Transf	former)	Particulate I	Matter Sens	or Replace	ment		
Rail Pressure Sensor Replacement		Temperatur	e Sensor Re	placement	(Inlet SCR (S	elective	
					ŝ	Ð	

#### 17. Wait for the countdown to end.

<u>→</u> <sup>1</sup> <sup>(2)</sup>					k	3 🕩 💎 🧯 2:31 PM
IOx Temperature Sensor Replacement		f	<b>Z</b>	<u>Q</u>		ŀ
FIAT V38.65 > Automatically Search > DUCATO MCA > 2021 > ECM (	Engine Control N	Module)				<b>∓−</b> 12.62V
Prompt Information						
Please Wait 6%						
Q 🛛 🖽				]	ŝ	<b>€</b>

<u> </u>						k	🕒 🔻 🖬 2:31 PM
NOx Temperature Sensor Repla	cemen		A	Ľ	2		P
FIAT V38.65 > Automatically Search > DUCATO MCA > 2	2021 > ECM (En	gine Control	Module)				<b>∓</b> −12.62V
Prompt Information							
Please Wait 100%							
NOx Te	emperatur	e Sensor	Replaceme	ent (Midst			
Turn	Ignition Ke	y ON.					
	CANCEL		OI	<			
<b>Q N</b>				(		<u></u>	€

<b>~</b> th								* O	💎 🔓 2:31 PM
NOx Temperature Sensor	Replacemen		A		Ź	2		ē	F
FIAT V38.65 > Automatically Search > DUCA	TO MCA > 2021 > ECM (E	ngine Control N	Aodule)						<b>∓−</b> 12.62V
Prompt Information									
Please Wait 100%									
	NOx Temperatu	re Sensor I	Replacen	nent (I	Midst				
	Procedure End! Press OK To Ex	it.							
		ок							
 Q					C		ŵ		

#### 19. Click OK. Program execution is completed.

# Statement:

The content of this document is copyrighted by LAUNCH TECH CO., LTD., and no individual or organization may quote or reprint it without consent.