### FC200 User Manual

#### 1. How to use FC200 Software?

Below picture showing software version and information of CG FC200.

☆ FC200		ECU - Search	Q - 🗆 🗙
Brand	model	Engine-gearbox	
Abarth	2 Series(F46)	3000 B58B30 387	Setting
Aebi	2 Series(F87)		Data process
Alfa Romeo	3 Series(E90)	=	Data process
Artec	3 Series(E91)		
Aston	3 Series(E92)		
Aston Martin	3 Series(E93)		
Audi	3 Series(F30)		
BMW	3 Series(F31)		
Baic	3 Series(F34)		
Bentley	3 Series(F35)		
Bugatti	3 Series(F80)		
CASE	3 Series(G20)		
CASE Tractors	2 Carlor(G21)		
Can-Am	ECU		
Caterpillar	BMW MG1CS024 TC298TP		
Chang An			
Chery			
Chevrolet			
Chrysler			
Citroen			Bosch Search
DS			
Dacia			Firmware upgrade
Dallara			Check for updates
Deutz			
Dodge			license
Ducati			help
Whatsapp:+8613500065304/+86136	502538824 SN:110005AB Firmware version	n:0007 Software version:1.0.0 Device activatic	on time remaining:27

#### The functions on the right are:

<ul> <li>Setting</li> </ul>	Set the language, font size and display type.
Firmware update	Firmware version update
Authorization info	FC200 software requires authorization before use
◎Use help	Open use document

#### 1.1 Setting

• Language:	Switch languages: Simplified Chinese, Traditional
	Chinese, English, French ,Polish, and Spanish
Font Size:	Enter the font size (the larger the number is, the larger
	the font will be ) Range: 8-20
Oisplay Method	Select category display and merge display

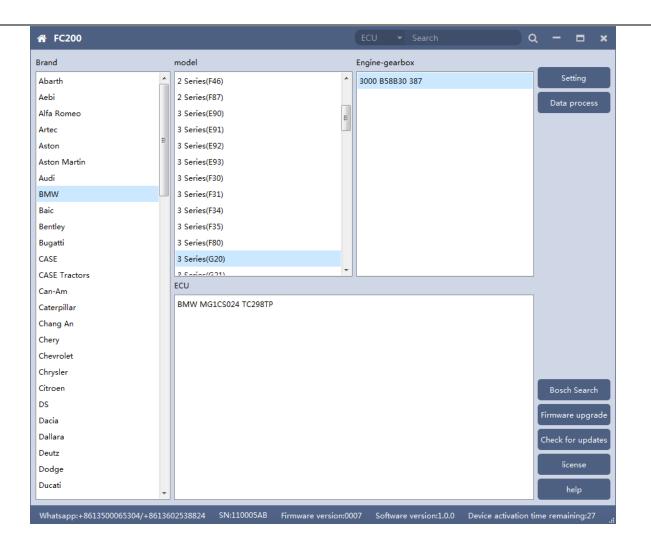
• **Display Method:** Select category display and merge display

• **Display Style:** Blue-gray and dark blue

☆ FC200			ECU 🝷 Search	
Brand	model		Engine-gearbox	
Abarth	2 Series(F46)		▲ 3000 B58B30 387	
Aebi	2 Series(F87)			
Alfa Romeo	3 Series(E90)		E	
Artec	3 Series(E91)			
Aston	■ 3 Series(E92)			
ston Martin	3 Series(E93)			
udi	🖌 🏠 Settin	9	×	
BMW		English	-	
Baic	Language:	English	·	
entley	Wiring diag	ram: 📃 Show thumb	onails in the output window	
ugatti	font size:	9	8-20	
ASE	font size:	9	8-20	
ASE Tractors	Display Mo	de: Category	-	
Can-Am	Display styl	e: Blue Gray	<b>_</b>	
Caterpillar	Display styl	e: Blue Gray	-	
hang An		Ap	pply	
hery				
hevrolet				
hrysler				
Citroen				
DS				
Dacia				
Dallara				
Deutz				
odge				
Ducati	-			

#### 1.1.1 Display Method

Select category display



₩ FC200		ECU 🝷 Search	Q - 🗆 🗙
Brand	ECU		
Abarth	BMW MG1CS003 SPC5777		▲ Setting
Aebi	BMW MG1CS024 TC298TP		Data process
Alfa Romeo	BMW MG1CS201 TC298TP		
Artec	BOSCH EDC17C06 TC1766		
Aston	BOSCH EDC17C41 TC1797		
Aston Martin	BOSCH EDC17C50 TC1797		
Audi	BOSCH EDC17C56 TC1797		
BMW	BOSCH EDC17C76 TC1793		
Baic	BOSCH EDC17CP02 TC1766		=
Bentley	BOSCH EDC17CP09 TC1796		
Bugatti	BOSCH EDC17CP45 TC1797		
CASE	BOSCH EDC17CP49 TC1797		
CASE Tractors	BOSCH ME17.2 BMS-X TC1797		
Can-Am	BOSCH ME17.2.1 TC1796		
Caterpillar	BOSCH ME17.2.4 TC1793		
Chang An	BOSCH MEV17.2.1 TC1796		
Chery	BOSCH MEVD17.2 TC1797		
Chevrolet	BOSCH MEVD17.2 TC1797_N55		
Chrysler	BOSCH MEVD17.2.3 TC1793		
Citroen	BOSCH MEVD17.2.3 TC1793_B38		Bosch Search
DS	BOSCH MEVD17.2.4 TC1797_N20		
Dacia	BOSCH MEVD17.2.5 TC1797_N13		Firmware upgrade
Dallara	BOSCH MEVD17.2.6 TC1797_N55		Check for updates
Deutz	BOSCH MEVD17.2.8 TC1797		
Dodge	BOSCH MEVD17.2.9 TC1797		license
Ducati	BOSCH MEVD17.2.9 TC1797_N20		- help
Whatsapp:+8613500065304/+8613	602538824 SN:110005AB Firmware version:0	0007 Software version:1.0.0	Device activation time remaining:27

### **1.2 Device Authorization**

FC200 software requires authorization before use

Olick Authorization Information button on the main interface to view
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the authorization list

©Click the Update Authorization button

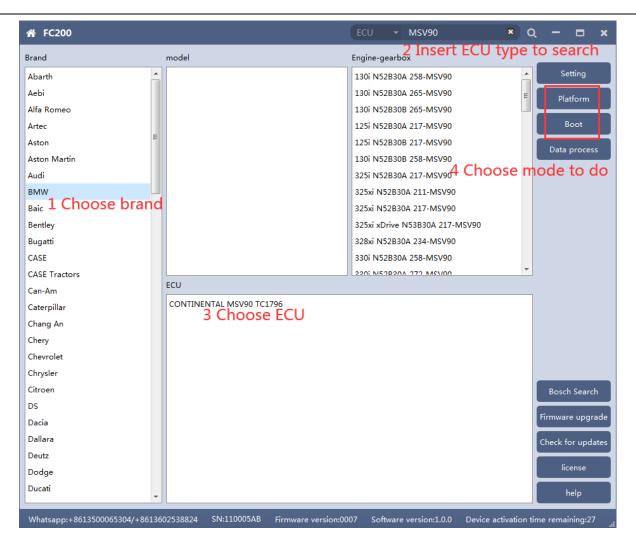
Brand		ECU						
Abarth		BMW MG1CS00	3 SPC5777					Setting
Aebi		BMW MG1CS02	4 TC298TP				ſ	
Alfa Romeo		BMW MG1CS20	1 TC208TD					Data process
Artec	🕋 Autho	orize				×		
Aston								
Aston Martin	FunctionI	D ID	Function	n name	Authorized	_		
Audi	A100000	0 0	MSD80/81/85/87/MS	/90 Read/Write Data	Yes			
BMW	A100000	1 1	Mercedes SIM271	Read/Write Data	Yes			
Baic	A100000	1 2	Frompt	ta ta	Yes		Ξ	
Bentley	A100000	1 3	Activation suc	vrite ISN	Yes			
Bugatti	A100000	2 0		D)	Yes			
CASE	A100000	3 0	C	ж	Yes			
CASE Tractors	A100000	4 0	DIVIVY F-EGS_OFF	Ready write Data	Yes			
Can-Am Caterpillar	A100000	5 0	N13/N20/N55/B38/TC1	7X Read Data(BENCH)	Yes			
Chang An	A100000	5 1	N13/N20/N55/B38/TC1	7X Write Data(BENCH)	Yes			
Chery	A100000	5 2	Volkswagen Bosch MED	017 series engine clone	Yes			
Chevrolet						-		
Chrysler			Update authorizati	on				
Citroen		BOSCH MEVD17	7.2.3 TC1793_B38					Bosch Search
DS		BOSCH MEVD17	7.2.4 TC1797_N20					
Dacia		BOSCH MEVD17	7.2.5 TC1797_N13					Firmware upgrad
Dallara		BOSCH MEVD17	7.2.6 TC1797_N55					Check for update
Deutz		BOSCH MEVD17	7.2.8 TC1797					
Dodge		BOSCH MEVD17	7.2.9 TC1797					license
Ducati	-	BOSCH MEVD17	7.2.9 TC1797_N20				1	help

If "No" is still displayed after updating authorization, please contact

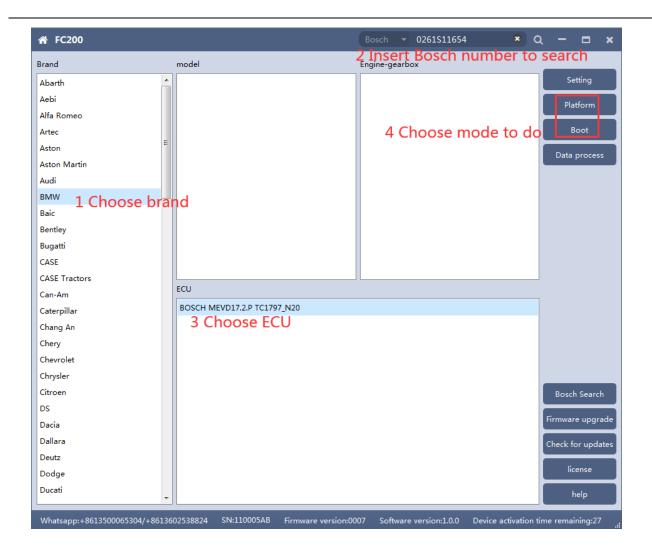
your seller for further help.

#### 1.3 Device search function (frequently-used)

ECU search



Bosch number search



Bosch number query (click "Bosch search")

				Bosch 🔻 Search	a	
Brand		nodel		Engine-gearbox		
Abarth		1 Series(E81)	<u>^</u>	218d B47D20A 150	<u>^</u>	Setting
Aebi		1 Series(E82)	=	218d N47D20C 143		Data process
Alfa Romeo		1 Series(E87)		218i B38B15A 136		
Artec		1 Series(E88)		220d B47D20A 190	=	
Aston	=	1 Series(F20)		220d N47D20C 184		
Aston Martin		1 Series(F21)		220d xDrive B47D20A 190		
Audi		2 Series(F22)		220i B48A20A 192		
BMW		2 Series(F23)		220i B48B20A 187		
Baic		2 Series(F45)		225d B47D20B 224		
Bentley		2 Series(F46)		225d N47D20D 218		
Bugatti		2 Series(F87)		228i N20B20A 242		
CASE		3 Series(E90)		228i N20B20A 245		
CASE Tractors		2 Contoc(E01)	•	226 NICEDON 242 MCDON	<b>T</b>	
Can-Am	E	CU				
Caterpillar						
Chang An						
Chery						
Chevrolet						
Chrysler						
Citroen						Bosch Search
DS						
Dacia						Firmware upgra
Dallara						Check for updat
Deutz						
Dodge						license
Ducati						help



### 2. MSV90/80/MSD87/85/ 81/80/SIM271

FC200 currently supports the cloning and ISN reading of BMW models MSV90/80/MSD87/85/81/80 (E series, F series) and Mercedes-Benz SIM271 ECU.

2.1 Determine the type of ECU according to the vehicle model, and select the correct model, otherwise, the normal operation will be stopped. The MSV90 is used for the description below.

☆ FC200			Bosch 👻 Search	) 0	2	-		×
Brand	model		Engine-gearbox					
Abarth	6 Series(G32)	*	730Ld N57D30A 245	-		Sett	ting	
Aebi	7 Series(E65)		730Ld N57D30A 248-EGS_6HP			Platf	orm	
Alfa Romeo	7 Series(E66)		730Li N52B30 258-MSV80	Ξ		T ISICI	onn	_
Artec	7 Series(F01)		730Li N52B30 262-EGS_6HP			Во	ot	
Aston	7 Series(F02)		730Li N52B30A 258-MSV90			Data p	rocoss	
Aston Martin	7 Series(F03)		730Li N52B30A 262-EGS_6HP			Data p	locess	
Audi	7 Series(F04)		730Li N52B30B 258-MSV90					
BMW	7 Series(G11)	E	730Li N52B30B 262-EGS_6HP					
Baic	7 Series(G12)		730Li N58B30 258-MSD80					
Bentley	K 1600 GT(-)		730d N57D30A 245					
Bugatti	M2 Competition(F22)		730d N57D30A 258					
CASE	M2 Competition(F23)		740Li B58B30A 326					
CASE Tractors	P 1200 GCM	Ŧ	7401: NI54020A 226 MCD00	-				
Can-Am	ECU							
Caterpillar	CONTINENTAL MSV90 TC1796							
Chang An								
Chery								
Chevrolet								
Chrysler								
Citroen						Bosch	Search	
DS								-
Dacia					Fin	mware	upgra	de
Dallara					Ch	eck for	r updat	tes
Deutz								
Dodge						lice	nse	
Ducati 👻						he	lp	
Whatsapp:+8613500065304/+86136	02538824 SN:110005AB Firmware versior	n:000	07 Software version:1.0.0 Device activati	on t	ime	remain	ing:27	

After selecting the correct ECU model, the "Platform" button will pop up on the right. As shown in the picture above, click the "Platform" button

to enter the ECU operation interface.

### 2.2 View wiring diagram

BMW >> CONTINENTAL MSV9	D TC1796	- 19 x
version:000b	1000	Wiring diagram
		Identification
	MODE 1.	Read ISN
	using standard cablages	Write ISN
	RED M1 - Pin 21, 37 +12V	Backup Data
	BLACK M1 - Pin 16 GND	Restore Data
	YELLOW M1 - Pin 48 CAN-L	
	GREEN M1 - Pin 47 CAN-H	
	And	
	120	
		Back

Click the "Wiring Diagram" button to view the ECU wiring diagram, connect the wiring harness correctly according to the wiring diagram, and connect with FC200, plug in DC12V interface of FC200 with 12V power supply.

### 2.3 Identifying the ECU



Click the "Identify" button to read the ECU-related information, as shown in the picture above.

### 2.4 Reading ISN



Click the "Read ISN" button to read the ISN.

Note: This operation needs network connection.

### 2.5 Backup Data

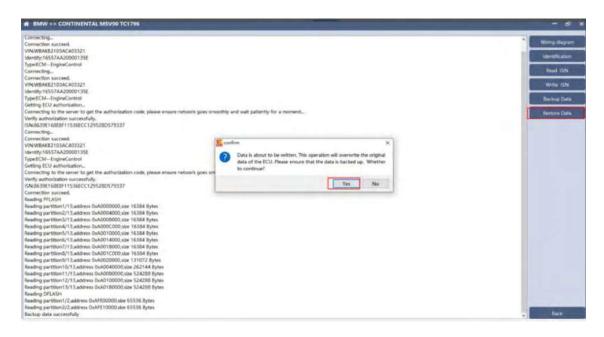
BMW >> CONTINENTAL M5V90 TC1796	- 6
ersion:0008	Wining diagram
onnecting	
onnection succeed.	identification
N:WBAKB2103AC403321	
entify:16557AA20000135E	Read (SN)
pe&CMEngineControl ponecting	
onnecting onnection succeed.	Write ISN
NWDAKPJO3AC403321	
ntyrbada toancada i	Backup Data
petCMEngineControl	
tring ECU authorization	Restore Data
onnecting to the server to get the authorization code, please ensure network goes smoothly and wait patiently for a moment_	
erify authorization successfully.	
N:86396168E8F11536ECC129528D579337	
onnecting	
onnection succeed.	
1N:WBAKB2103AC403321	
ientity:16557AA20000135E	
ype:ECM EngineControl	
ietting ECU authorization	
onnecting to the server to get the authorization code, please ensure network goes smoothly and wait patiently for a moment	
erify authorization successfully.	
SN-8639E168E8F11536ECC129528D579337	
ionnection succeed.	
leading PFLASH	
eading partition 1/13.address 0xA0000000.size 16384 Bytes	
eading partition2/13.address 0xA0004000.size 16384 Bytes	
eading partition3/13,address 0xA0008000.size 16384 Bytes	
eading partition4/13,address 0xA000C000,size 16384 Bytes	
eading partition5/13,address DxA0010000,size 16384 Bytes	
nading partition6/13.address 0xA0014000.size 16384 Bytes eading partition7/13.address 0xA0018000.size 16384 Bytes	
eading partition/1/3,address 0xA0013000,stz 16544 bytes eading partition8/13,address 0xA0011000,stz 16344 bytes	
eding partition6/13,address 0xA001C000,size 10304 Bytes eading partition9/13,address 0xA0020000,size 131072 Bytes	
anding partition 10/13 address 0x400400000 kze 1310/12 gyres addrog partition 10/13 address 0x400400000 kze 252:144 bytes	

Click "Backup Data" to back up the ECU data. After reading, please save

the data for subsequent use.

Note: This operation needs network connection.

#### 2.6 Data Restore



Click "Restore Data" to write the ECU data. Before writing, please make sure

the data is backed up. The restored data will overwrite the current ECU data.

The data can be the data of the current ECU or other ECU with same type.

BMW >> CONTINENTAL MSV90 TC1796	- 8
N-8639E16688F11536ECC129528D579337 ommettion succeed.	Wing dasgoart
eading PFLASH	fdent/flowDon
eading partition1/13,address 0xA0000000,size 16384 Bytes	(denticification)
eading partition2/13.eddress 0xA0004000.size 16384 Bytes eading partition3/13.eddress 0xA0008000.size 16384 Bytes	Road 15N
eading partition4/13.address 0xA000C000,size 16384 Bytes	Contraction of the second
suding partition5/13.address 0x40010000.size 16384 Bytes eading partition6/13.address 0x40014000.size 16384 Bytes	Write ISN
eading partitions/13,address 0xA0014000.size 16384 Bytes eading partition7/13,address 0xA0018000.size 16384 Bytes	Backup Data
eading partitionS/13,address 0xA001C000,size 16384 Bytes	
eading partition9/13,address 0xA0020000,size 131072 Bytes	Bevice Data
eading partition10/13,address 0xA0040000,size 262144 Bytes	
eading partition11/13,address 0xA0080000,size 524288 Bytes eading partition12/13.address 0xA0100000.size 524288 Bytes	
eeding partition 12/1 3 diadress UxAV 10000, size 524.col bytes exiding partition 13/13 address UXAV 10000, size 524.28 Bytes	
sading Dartuon Lyn 1, address Udwinardou size szazab bytes eading DELASH	
eading partition1/2,address 0xAFE00000,size 65536 Bytes	
eading partition2/2,address 0xAFE10000.size 65536 Bytes	
ackup data successfully	
onnecting	
onnection succeed.	
IN:WBAKB2103AC403321	
ientify:16557AA20000135E	
ype:ECMEngineControl	
etting ECU authorization	
onnecting to the server to get the authorization code, please ensure network goes smoothly and wait patiently for a moment	
enfy authorization successfully.	
N:8639£168£8F11536ECC129528D579337	
onnection succeed.	
initing PFLASH	
/ritting partition1/13,address 0xA0000000,size 16384 Bytes	
/ritting partition2/13,address 0xA0004000,size 16384 Bytes	
Vitting partition3/13;address 0xA0008000;size 16384 Bytes	
/ritting partition4/13,address 0xA000C000,size 16384 Bytes	
/ritting partition5/13,address 0xA0010000,size 16384 Bytes	
/ritting partition6/13,address.0xA0014000,size 16384 Bytes	
/ritting partition7/13,address 0xA0018000,size 16384 Bytes	
hitting partition8/13;address.0xA001C000,size 16384 Bytes	
htting partition9/13,address 0xA0020000,size 131072 Bytes	*
8%	Dark

Note: During the process of data recovery, please do not disconnect the device power or disconnect the device, otherwise, the ECU may be damaged.

If the software is unexpectedly shut down or the computer is shut down or crashed unexpectedly during the process of data recovery, please do not disconnect the device power supply or device Connect for 15 minutes, and the device can complete data recovery independently.

#### 3. N13/N20/N55/B38/TC17X

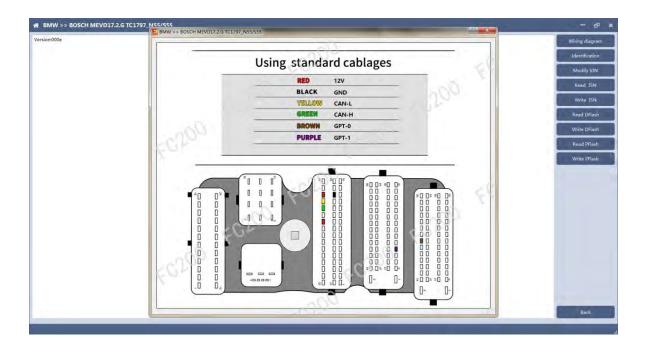
The FC200 currently supports ISN read / write, VIN modification, and data read / write functions for the N13 / N20 / N55 / B38 / TC17X F series chassis of BMW models.

3.1 Determine the ECU type according to the vehicle model, and select the correct model, otherwise, it will not be operated normally. Take N55 as an example:

🖌 FC200				Bosch 🔻 Search	a – 🗖
Brand		model		Engine-gearbox	
Abarth		1 Series(E81)	<u>^</u>	225d B47D20B 224	<ul> <li>Setting</li> </ul>
Aebi		1 Series(E82)	=	225d N47D20D 218	Platform
Alfa Romeo		1 Series(E87)		228i N20B20A 242	
Artec		1 Series(E88)		228i N20B20A 245	Boot
Aston	E	1 Series(F20)		228i N26B20A 243-MSD80	Data process
Aston Martin		1 Series(F21)		228i N26B20A 243-MSV80	Data process
Audi		2 Series(F22)		228i N26B20O0 245	
BMW		2 Series(F23)		228i xDrive N20B20A 242	
Baic		2 Series(F45)		228i xDrive N26B20A 243-MSV80	=
Bentley		2 Series(F46)		228i xDrive N26B20O0 245	
Bugatti		2 Series(F87)		M 235i N55B30A 326	
CASE		3 Series(E90)		M 235i xDrive N55B30A 326	
CASE Tractors		2 Corior(E01)	-		<b>•</b>
Can-Am		ECU			
Caterpillar		BOSCH MEVD17.2.G TC1797_N55/S	55		
Chang An					
Chery					
Chevrolet					
Chrysler					
Citroen					Bosch Search
DS					
Dacia					Firmware upgra
Dallara					Check for upda
Deutz					
Dodge					license
Ducati					help

After selecting the correct ECU model, the "Platform" button will pop up on the right. As shown in the picture above, click the "Platform" button to enter the ECU operation interface.

### 3.2 View wiring diagram



Click the "Wiring Diagram" button to view the ECU wiring diagram, connect the wiring harness correctly according to the wiring diagram, and connect with FC200, plug in DC12V interface of FC200 with 12V power supply.

### 3.3 Identify the ECU



Click the "Identification" button to read the ECU-related information, as shown in the picture above.

### 3.4 Reading ISN

Version:0008         Connecting-Inscreted           Connecting-Inscreted         Connection-Inscreted           Charler 100:0000291000000105530001055300010553001         Head DROCCAR-00004HF           Handle DROCCAR-00004HF         Head DROCCAR-00004HF           Handle DROCCAR-000004HF         Head DROCCAR-00004HF           Handle DROCCAR-000004HF         Head DROCCAR-00004HF           Handle DROCCAR-000004HF         Head DROCCAR-000004HF           Handle PROCCAR-000004HF         Head DROCCAR-000004HF           Handle PROCCAR-000004HF         Head DROCCAR-000004HF           Handle PROCCAR-000004HF         Head DROCCAR-000004HF           Handle PROCCAR-000004HF         Head DROCCAR-00000000           Handle PROCCAR-000004HF         Head DROCCAR-00000000           Handle PROCCAR-000004HF         Head DROCCAR-00000000           Handle PROCCAR-00000000         Head DROCCAR-00000000           Handle PROCCAR-00000000         Head DROCCAR-00000000           Handle PROCCAR-00000000         <	- 61 x
Connection succeed. highCT377 serial number /14005002405/83740800101140000 Hawbare IbD002018000001053001c053001c053001 Flawb PBCCON-000001HF Flawb PBCCON-000000HF Flawb PBCCON-000000HF Flawb PBCCON-000000HF Flawb PBCCON-000000HF Flawb PBCCON-000000HF Flawb PBCCON-000000HF Flawb PBCCON-000000HF Flawb PBCCON-00000HF Flawb PBCCON-0000HF Flawb PBCCON-00000HF Flawb PBCCON-0000HF Flawb PBCCON-0000HF Flawb PBCCON-0000HF Flawb PBCCON-0000HF Flawb PBCCON-0000HF Flawb PBCCON-0000HF Flawb PBCCON-00000HF Flawb PBCCON-0000HF Flawb PBC	Wiring diagram
ehip1C1797 serial number410050500240/c087400001011140000 Hardware ID0191000021800001e0550001E05500 FalsoP RPCCON-00000HF FalsoP RPCCON-0000HF FAlsoP RPCCON-000HF FAlsoP RPCCON-000HF FAlsoP RP	
serial number/18005002040c83740800101140000 Hawbar BOCCNI-000001850001c053001c05500 Hawb BOCCNI-000001850001c053001c05500 Hawb BOCCNI-00000000 Hawb BOCCNI-00000000 Hawb BOCCNI-00000000 Gameting. Cometing. C	Identification
Hardware IDD191000201800001c0530001c053001           Hardware IDD1910002018000006           Flaxib PROCON100000000           Flaxib PROCON100000000           Flaxib PROCON200000           Flaxib PROCON200000           Flaxib PROCON200000           Flaxib PROCON200000           Flaxib PROCON200000           Flaxib PROCON2000000           Flaxib PROCON2000000           Flaxib PROCON2000000           Flaxib PROCON200000000000000000000000000000000000	
Flasb PBCCON:00000HF           Flasb PBCCON:00000H           Flasb PBCCON:000000H           Flasb PBCCON:000000H           Flasb PBCCON:00000H           Commeting	Modify VIN
Flaidb PROCON1:0000000         Flaidb PROCON1:0000000         Flaidb PROCON2:00000HF         Flaidb PROCON2:000000         Flaidb PROCON2:0000000         <	
Flasho BROCON2:000000         Flasho FROCON2:000000           Flash FROCON1:0000000         Flashi FROCON1:0000000           Connection succeed.         Christian Structure           chipt CT?797         Flashi FROCON1:0000000:0000           Flasho FROCON2:000000         Flasho FROCON2:00000:0000           Flasho FROCON2:000000:00000:00000:000000:000000         Flasho FROCON2:0000000           Flasho FROCON2:0000000         Flasho FROCON2:00000000           Flasho FROCON2:0000000         Flasho FROCON2:0000000           Flasho FROCON2:0000000	Read ISN
Flack1         FROCON1:0000000           Flack1         FROCON2:000000           Connections succeed.	1
Fault         FIRACCON2.0000000           Connecting	Write ISN
Connectionsusceed. chip/CT/97 sectar numbers/10005902409c887400001011140000 Hardwer DD1910000201000001c0530001c05500 Flash0 PROCONL0000000H Flash0 PROCONL0000000H Flash0 PROCONL0000000H Flash1 PROCONL000000H Flash1 PROCONL0000000H Flash1 PROCONL0000000H Flash1 PROCONL0000000H Flash1 PROCONL0000000H Flash1 PROCONL0000000H Flash1 PROCONL0000000H Flash1 PROCONL0000000H Flash1 PROCONL0000000H Flash1 PROCONL000000H Flash1 PROCONL00000H Flash1 PROCONL000000H Flash1 PROCONL00000H Flash1 PROCONL0000H Flash1 PROCONL00000H Flash1 PROCONL0000H Flash1 PROCONL0000H Flash1 PROCONL0000H Flash1 PROCONL0000H Flash1 PROCONL0000H Flash1 PROCONL0000H Flash1 PROCONL0000H Flash1 PROCONL0000H Flash1 PROCONL0000H Flash1 PROCONL000H Flash1 PROCONL0000H Flash1 PROCONL000H Flash1 PROCONL	The second s
Connection succeed. chpicT279 serial numberA180059952409001013140000 HandwarE10019002018050001053500105500 HandwarE10019000001053000105500 HandPROCON100000001ff FandPROCON1000000001 FandPROCON10000000001 FandPROCON100000000000000000000000000000000000	Read DFlash
cheji CT 272 chia Tumbar 100050902A09c837400001011140000 Hand Wave IDx191000020140530001c053001 Fand PROCONI-00000001 Fand PROCONI-00000000 Fand PROCONI-00000000 Fand PROCONI-00000000 Fand PROCONI-00000000 Rading partition 1/2,Address 0x4FE0000,ize 32768 Bytes Reading partition 1/2,Address 0x4FE0000,ize 32768 Bytes	Write DFlash
serial number A18005995243045837408021011340000 Handware (X01910002018300001c0530011c05500 Flands PROCON10000001ff Flands PROCON100000001ff Flands PROCON100000000f Flands PROCON1000000007 Flands PROCON1000000007 Flands PROCON1000000007 Flands PROCON1000000007 Flands PROCON1000000007 Flands PROCON1000000007 Flands PROCON100000007 Flands PROCON10000007 Flands PROCON10000007 Flands PROCON10000007 Flands PROCON1000007 Flands PROCON10000007 Flands PROCON1000007 Flands PROCON10000007 Flands PROCON1000007 Flands PROCON10000007 Flands PROCON1000007 Flands PROCON10000007 Flands PROCON10000007 Flands PROCON10000007 Flands PROCON10000007 Flands PROCON1000007 Flands PROCON1000007 Flands PROCON10000007 Flands PROCON1000007 Flands PROCON1000007 Flands PROCON1000007 Flands PROCON100000	Write Driash
Hardware (Dx019100002018000001c0530001c053001 Faix0 PB0CC0N1:00000000 Faix0 PB0CCN1:00000000 Faix1 PB0CC0N1:00000000 Faix1 PB0CC0N1:00000000 Faix1 PB0CCN1:00000000 Rading partition 1/2,Address 0xAFE00000,ize 32768 Bytes Reading partition 1/2,Address 0xAFE00000,ize 32768 Bytes	Read PElash
Flamb PROCON:00000fff           Flamb PROCON:0000000           Flamb PROCON:000000ff           Flamb PROCON:00000ff           Flamb PROCON:000000ff           Flamb PROCON:000000ff           Reading partition: 1/2, Address 0xAFE00000,ize: 32768 Bytes           Reading partition: 1/2, Address 0xAFE00000,ize: 32768 Bytes           Reading partition: 1/2, Address 0xAFE00000,ize: 32768 Bytes	ranadi rinasin
Fasho PBOCON1:0000000           Fasho PBOCON1:0000000           Fasho PBOCON1:00000000           Fasho PBOCON1:00000000           Fasho PBOCON1:00000000           Rading partition 1/2,Address 0xAFE00000,size 32768 Bytes           Reading partition 1/2,Address 0xAFE00000,size 32768 Bytes           Reading partition 1/2,Address 0xAFE00000,size 32768 Bytes           Reading partition 1/2,Address 0xAFE00000,size 32768 Bytes	Write PElash
Flash 0 PROCONE:0000820           Flash 1 PROCONE:000000F           Flash 1 PROCONE:0000000           Flash 1 PROCONE:0000000           Reading partition 1/2,Address 0xAE00000,size 32768 Bytes           Reading partition 2/2,Address 0xAE00000,size 32768 Bytes           Reading partition 2/2,Address 0xAE00000,size 32768 Bytes	write Pressi
Fainh 1 BROCCNI:10000000 Flainh 1 BROCCNI:10000000 Raiding OFLASH Reading partition 1/2,Address 0xAFE00000,ize 32768 Bytes Reading partition 2/2,Address 0xAFE00000,ize 32768 Bytes Reading partition 2/2,Address 0xAFE10000,ize 32768 Bytes	
Paint PROCON1:0000000           Paint PROCON2:0000000           Reading PLASH           Reading partition 1/2/address 0xAFE00000.jsce 32768 Bytes           Reading partition 2/2 Address 0xAFE10000.isce 32768 Bytes           Nor178/772/03860702677011FSARC/F3	
Reading DFLASH Reading partition 1/2/Address 0xAFE00000,size 32768 Bytes Reading partition 2/2 Address 0xAFE10000,size 32768 Bytes INX17807E7220380072877011FSAAEC/F3	
Reading partition 1/2/Address 0x/FE00000;tize 32768 Bytes Reading partition 2/2/Address 0x/FE10000;tize 32768 Bytes INNTR07FZ200807087701174AACF73	
Reading partition 2/2/Address 0xAFE10000;stcs 32768 Bytes ISN:17807E72208360702677011F5AAEC7F3	
ISN:178D7E72208360702677011F5AAEC7F3	
Read ISN successfully.	
	Back

Click the "Read ISN" button to start reading the ISN. Wait for a while to complete the reading of the ISN.

### 3.5 Writing ISN

BMW >> BOSCH MEVD17.2.G TC1797_N55/S55
BioNY 014 COCICIA 102007 / 2010 (127) (125) 0253     Variative Clo1911 (20002) (20000) (053) 0001 (05500)     Variat PROCCN1 0000000     Variat PROCCN1 0000000     Variat PROCCN2 00000000     Variat PROCCN

Enter the new ISN in the edit box, and click the "OK" button to start writing the ISN.

# BMW >> BOSCH MEVD17.2.G TC1797_N55/555	– es x
Flash0 PROCON1:00000000 Flash0 PROCON2:00008020	Viring diagram
Hanno PROCONZ-00008020 Flash TROCONZ-000080##	
Flash PROCONI:0000000	Identification
Fash TROCON20000000	
Reading DFLASH	Modify VIN
Reading partition 1/2 Address 0xAFE00000 size 32768 Bytes	Concernance of the second seco
Reading partition 2/2,Address 0xAFE10000,size 32768 Bytes	Read ISN
ISN:178D7E72208360702677011F5AAEC7F3	
Read ISN successfully.	Write ISN
Connecting	Read DFlash
Connection succeed.	Node Drivish
chip:TC1797 serial number:#180050902409c887408001011140000	Write DFlash
senai number-a rousososo-ausos rausouri ni rausou Hardware (D.019100020218000001c0530011c05500	White Di lasti
Flasho PROCONCIONOCIONI COSSOCI TO SSOCI	Read PElash
Flash0 PROCONI-0000000	
Flash0 PROCON2/00008020	Write PFlash
Flash1 PROCON0:0000dfff	
Flash1 PROCON1:0000000	
Flash1 PROCON2:0000000	
Reading DFLASH	
Reading partition 1/2,Address 0xAFE00000,size 32768 Bytes	
Reading partition 2/2,Address 0xAFE10000,size 32768 Bytes	
File save path;C/Program Files (x86)/AT200/temp/2020-3-19-16-17-42_TC1797_DFlash.bin	
Backup data successfully	
Connecting	
Connection succeed.	
chip/TC1797	
serial number:4180050902409c887408001011140000 Hardware ID:019100002018000001c0530001c05500	
Hardware (b3131000020180000012050001205500 Fash0 PROCON8:00004ff	
Fash0 PROCON1:0000000	
Hash0 PROCON2:00008020	
Flash1 PROCOND:0000dff	
Flach1 PROCON1:0000000	
Flash1 PROCON2:00000000	
Writting DFLASH	
Skip the same partition 1/2,Address 0xAFE00000,size 32768 Bytes	
Skip the same partition 2/2 Address 0xAFE10000, size 32768 Bytes	
Write ISN Successfully.	v Back

Writing successfully.

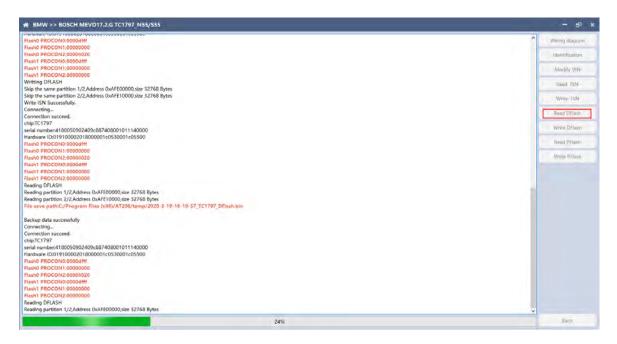
### 3.6 Modifying VIN

rlal number:4180050902409c887408001011140000		White diagram
ardware ID:019100002018000001c0530001c05500		Identification
ask0 PRDCON1:0000000		-tarritri autor
2610 PROCON2:0000020 2611 PROCON0:0000d##		Monthly VIN
aut PROCONT:0000000		
INT PROCON2:0000000		Read ISN
ading DFLASH		Write (SN
ading partition 1/2 Address 0xAFE00000.size 32768 Bytes ading partition 2/2 Address 0xAFE10000.size 32768 Bytes		Write IDIA
ading partition 272,4ddress 0x4/110000,size 32768 Bytes e save path C:/Program Files (wite)/A7208/temp/2028-3-19-16-17-4	TC 1797 Of Just nin	Read Difform
a sere provident rough and the generative seres in the router		
ckup data successfully		Write Difficult
nnecting	Fease input 7 ×	Read PEach
ip:TC1797		PADRAL PERHOPS
tal number:4180050902409c887408001011140000	Old VIN: WBAKR0100F0/39094	Worths: PFlash
dware ID:019100002018000001c0530001c05500		
and PROCOND/0000etff		
sh8 PROCONT:00000000 #h0 PROCON2:00008030	New VIN: Please entar a new 17 of VIN	
sh1 PRDCOND SODBerry		
#1 PROCON1 00000000		
ah1 PROCON2.0000000		
itting DFLASH		
p the same partition 1/2,Address 0xAFE00000,size 32768 Bytes		
p the same partition 2/2,Address 0xAFE10000,size 32768 Bytes		
te ISN Successfully.		
nnecting nnection succeed.		
prection succeed. pr7C1797		
al number:4180050902409c887408001011140000		
dware (D:019100002018000001c0530001c05500		
ind PROCOND 0000difff		
ING PROCONT 60006880		
1N0 PROCON2:00008020		
th1 PROCON0:0000difff		
eh1 PROCON1:0000000		
uh1 PROCON2.0000000		
AND DEVACE		

Enter the new VIN in the edit box, click the "OK" button to start writing

### 3.7 Reading DFlash, PFlash

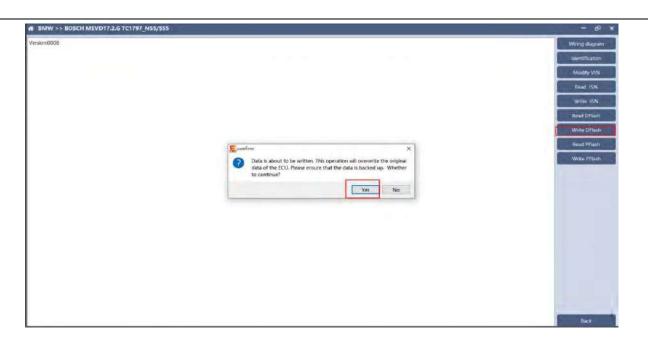
Take reading DFlash as an example:



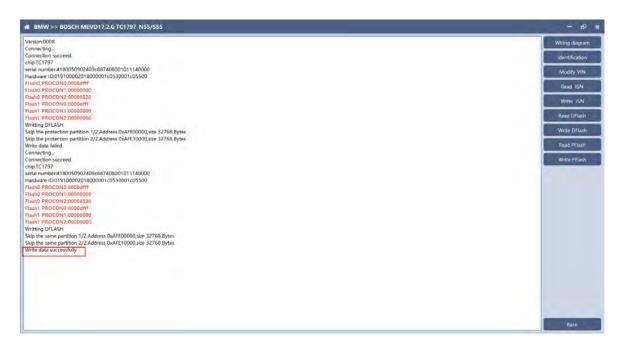
Click "Backup Data" to back up the ECU data. After reading, please save the data for subsequent use.

#### 3.8 Writing DFlash, PFlash

Take writing DFlash as an example



Click "write DFlash" to write the ECU data. Please make sure the data is backed up before writing. The restored data will overwrite the current ECU data. The data can be the data of the current ECU or other ECU of the same type.



Note: During the data recovery process, it is strictly forbidden to disconnect the power supply or disconnect the device, otherwise it may cause ECU damage; if the software is shut down unexpectedly or the computer is shut down or crashed unexpectedly during the data recovery

process, please do not disconnect the power supply or device Connect for 15 minutes, and the device can complete data recovery independently.

#### 4. B48/B58

FC200 currently supports the OBD reading ISN of BMW F020 and G series S15 models B48 and B58, and the platform SPC5777 chip and TC298 chip reading ISN and reading and writing EEPROM and FLASH.

#### 4.1 OBD read ISN

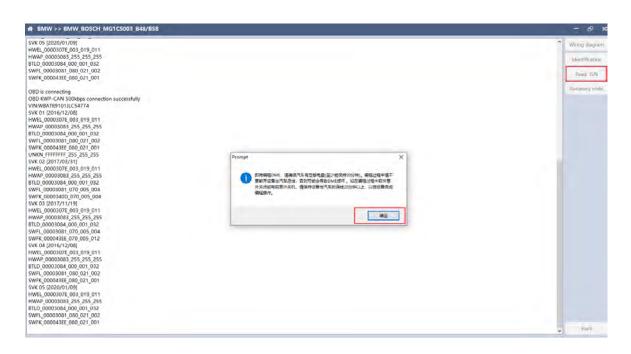
4.1.1 Determine the type of ECU according to the model, and select the correct model, otherwise it will not operate normally. The following is described with B48.

✿ FC200				ECU - Search	۹	
Brand		model		Engine-gearbox		
Abarth		1 Series(E81)	-	120d xDrive B47D20A 190	-	Setting
Aebi		1 Series(E82)	E	120d xDrive N47D20C 184		Platform
Alfa Romeo		1 Series(E87)		120i N13B16A 177		Thatform
Artec		1 Series(E88)		125d B47D20B 224		OBD
Aston	=	1 Series(F20)		125d N47D20D 218		Data process
Aston Martin		1 Series(F21)		125i N20B20A 218		Data process
Audi		2 Series(F22)		1998 B48B20A 184		
BMW		2 Series(F23)		3000 B58B30A 340		
Baic		2 Series(F45)		M 135i N55B30A 320		
Bentley		2 Series(F46)		M 135i N55B30A 326	=	
Bugatti		2 Series(F87)		M 135i xDrive N55B30A 320		
CASE		3 Series(E90)		M 135i xDrive N55B30A 326		
CASE Tractors		2 Carlos(E01)	-		-	
Can-Am		ECU				
Caterpillar		BMW MG1CS003 SPC5777				
Chang An						
Chery						
Chevrolet						
Chrysler						
Citroen						Bosch Search
DS						
Dacia					Ľ	Firmware upgrad
Dallara						Check for updat
Deutz						
Dodge						license
Ducati						help

#### 4.1.2 Identifying ECU

N BMW >> BMW BOSCH MG1CS003 B48/B58	- 8
version:0005	Wiring diagram
DBD is connecting	
DBD KWP-CAN 500kbps connection successfully	Identification
IN:WBATR9101JLC54774	
VK 01 [2016/12/08]	Read ISN
WEL 0000307E 003 019 011	Need LST
WAP 00003083 255 255 255	Contraction of the Institution o
TLD_00003084_000_001_032	Recovery cod
WFL 00003081 080 021 002	
WFK 000043EE 080 021 001	
JNKN FFFFFFF 255 255 255	
SVK 02 (2017/03/31]	
WEL_0000307E_003_019_011	
WAP_00003083_255_255_255	
TLD_00003084_000_001_032	
WFL 00003081 070 005 004	
WFK 0000340D 070 005 004	
VK 03 [2017/11/19]	
WEL_0000307E_003_019_011	
WAP_00003083_255_255_255	
TLD_00003084_000_001_032	
WFL_00003081_070_005_004	
WFK_000043EE_070_005_012	
VK 04 [2016/12/08]	
WEL_0000307E_003_019_011	
WAP_00003083_255_255_255	
TLD_00003084_000_001_032	
WFL_00003081_080_021_002	
WFK_000043EE_060_021_001	
VK 05 (2020/01/09)	
WEL 0000307E 003 019 011	
WAP 00003083 255 255 255	
LD 00003084_000_001_032	
WFL 00003081 080 021 002	
NFK_000043EE_080_021_001	
	Back

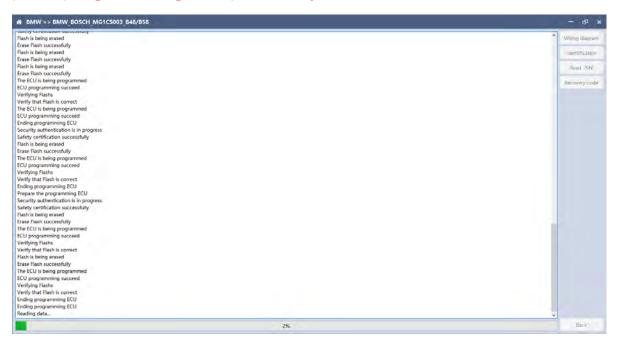
#### 4.1.3 Reading ISN



Click the "Read ISN" button to start reading the ISN. If it is the first reading, you need to program the ECU before reading. The programming time will take about 25 minutes, please be patient.

Note: During the programming process, it is strictly forbidden to

disconnect the power supply of the device or disconnect the device wiring, otherwise it may cause damage to the ECU; if the software is closed unexpectedly or the computer is shut down or crashed unexpectedly during data restore, please do not disconnect the device power or device connection On-line, hold for more than 25 minutes, the device can complete programming independently.



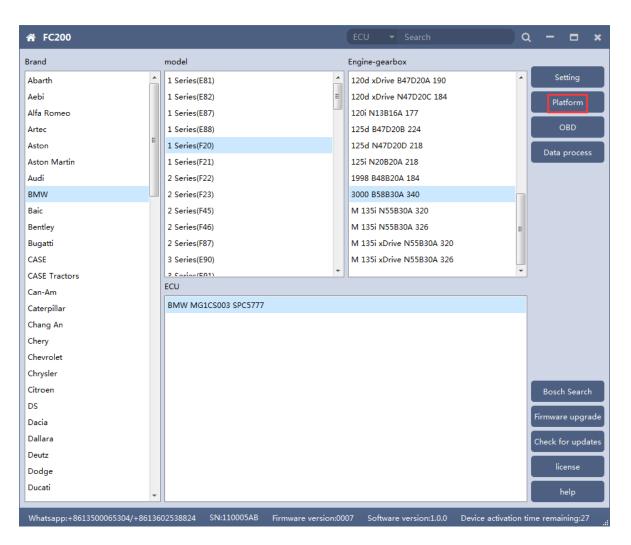
After the programming is completed, if there is a coding file before the ECU programming, the coding recovery will be performed automatically. After programming, the software starts to read data, as shown in the figure above.

BMW >> BMW_BOSCH_MG1CS003_B48/B58	- 0
Flash is being erased	* Wiring diage
Erase Flash successfully	Contract Contract
Flash is being erased	Identificati
rase Flash successfully	- Identification
flash is being erased	Read ISN
rase Flash successfully	Read ISP
The ECU is being programmed	Concernance of the second s
CU programming succeed	Recovery co
/entrying Flashs	
/entry that Flash is correct	
The ECU is being programmed	
CU programming succeed	
inding programming ECU	
ecurity authentication is in progress	
afety certification successfully	
anty versitization succession	
nan to being reacted	
and reach successfully	
C C D regramming success	
CC programming socceou	
remining mans	
reny that has its correct	
repare the programming ECU	
security authentication is in progress	
afety certification successfully	
lash is being erased	
rase Flash successfully	
he ECU is being programmed	
CU programming succeed	
/erifying Flashs	
/erify that Flash is correct.	
lash is being erased	
rase Flash successfully	
he ECU is being programmed	
CU programming succeed	
ferifying Flashs	
Jerify that Flash is correct	
inding programming ECU	
inding programming ECU	
Reading data	
Read data successfully	
N-BC24820944ECEFF0098DC781708F828A868E8AA7DCA728D7	Back

Finish reading the ISN.

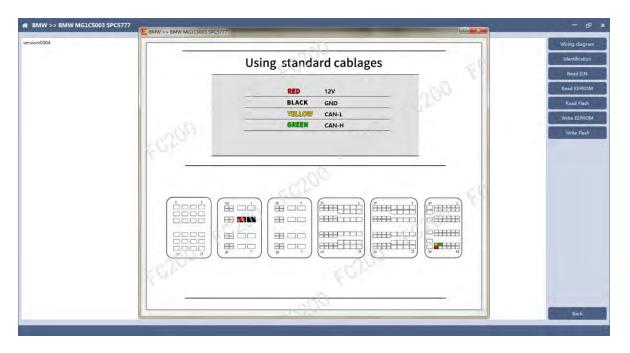
### 4.2 Read ISN on bench

4.2.1 Determine the type of ECU according to the model, and select the correct model, otherwise it will not operate normally. The wrong choice of the two types of chips will have no effect.



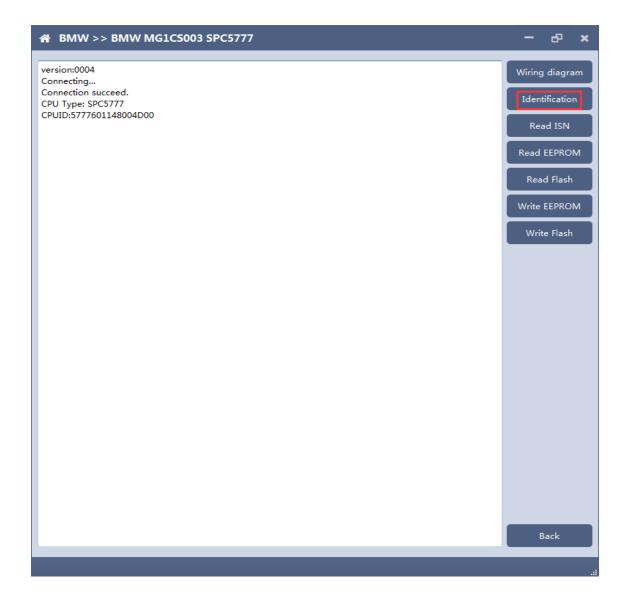
After selecting the correct ECU model, the "Platform" button will appear on the right. As shown in the figure above, click the "Platform" button to enter the ECU operation interface.

#### 4.2.2 View wiring diagram

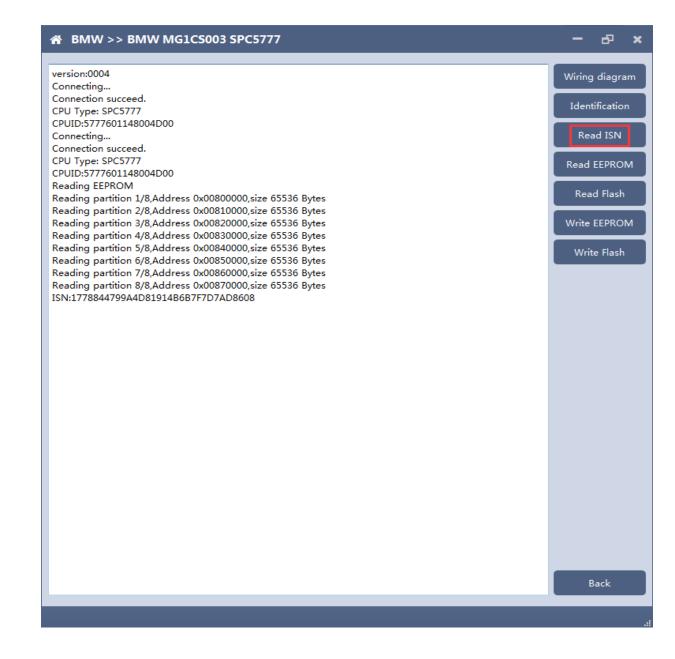


Click the "Wiring Diagram" button to view the ECU wiring diagram, connect the wiring harness correctly according to the wiring diagram, and connect with the device, plug in the device DC12V interface with 12V power supply.

#### 4.2.3 Identifying the ECU

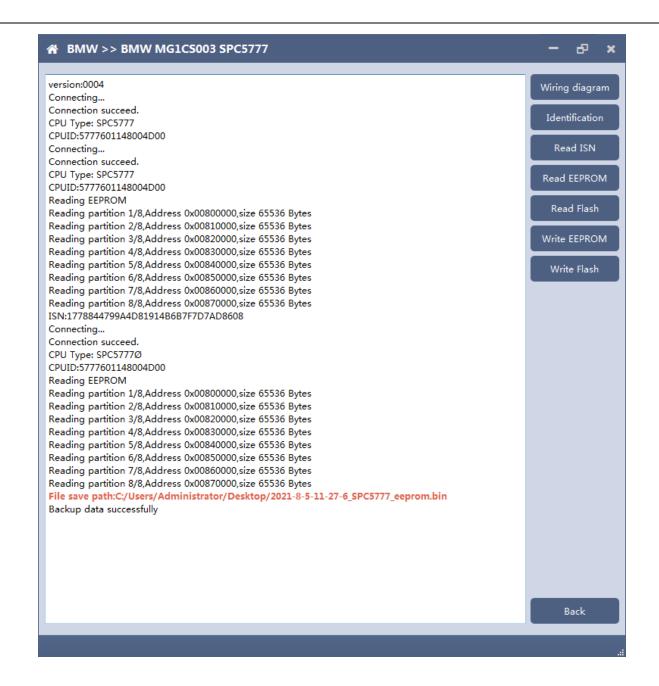


#### 4.2.4 Reading ISN



#### 4.2.5 Reading EEPROM/Flash

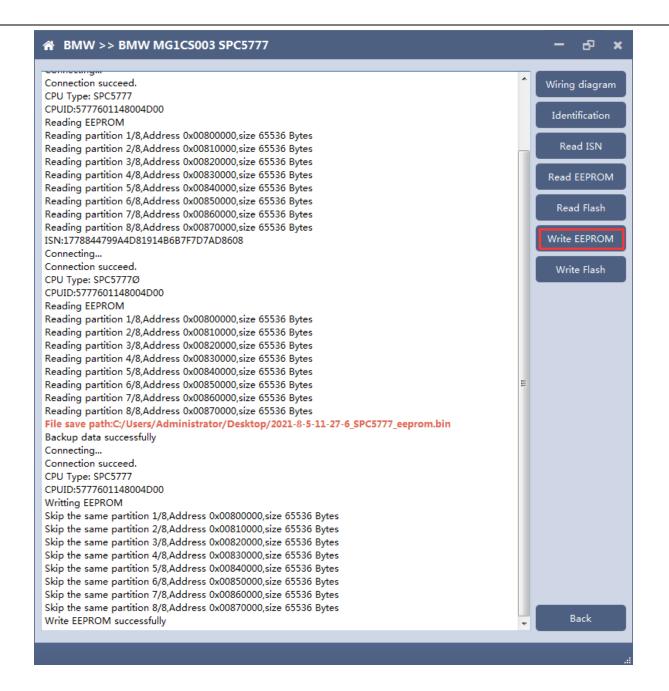
Take reading EEPROM as an example



#### 4.2.6 Writing EEPROM/Flash

Take reading EEPROM as an example. Make sure to save a copy of the original data before writing data.

	- d <sup>2</sup> ×
N BMW >> BMW MGICS003 SPC5777 version:0004 Connecting Connection succeed. CPU Type: SPC5777 CPUID:5777601148004D00 Connection succeed. CPU Type: SPC5777 CPUID:5777601148004D00 Reading EEPROM Reading partition 1/8,Address 0x00800000,size 65536 Bytes Reading partition 2/8,Address 0x00810000,size 65536 Bytes Reading partition 3/8,Address 0x00820000,size 65536 Bytes Reading partition 4/8,Address 0x00820000,size 65536 Bytes Reading partition 5/8,Address 0x00820000,size 65536 Bytes Reading partition 5/8,Address 0x00840000,size 65536 Bytes Reading partition 6/8 Mathematical Bytes Reading partition 5/8,Address 0x00840000,size 65536 Bytes Reading partition 6/8 Mathematical Bytes Reading partition 6/8 Mathematical Bytes Reading partition 6/8 Mathematical Bytes Reading partition 6/8 Mathe	Wiring diagram Identification Read ISN Read EEPROM Read Flash Write EEPROM Write Flash
Reading partition 7 Reading partition 7 Reading partition 7 Sin:177884479944t Connecting Connection succeed CPU Type: SPC5777 CPUID:5777601148 Reading partition 1/ Reading partition 2/8,Address 0x00810000,size 65536 Bytes Reading partition 3/8,Address 0x00810000,size 65536 Bytes Reading partition 3/8,Address 0x00810000,size 65536 Bytes Reading partition 5/8,Address 0x00810000,size 65536 Bytes Reading partition 7/8,Address 0x00810000,size 65536 Bytes Reading partition 8/8,Address 0x0081000,size 65536 Bytes Reading partition 8/8,Address 0x00810000,s	Back

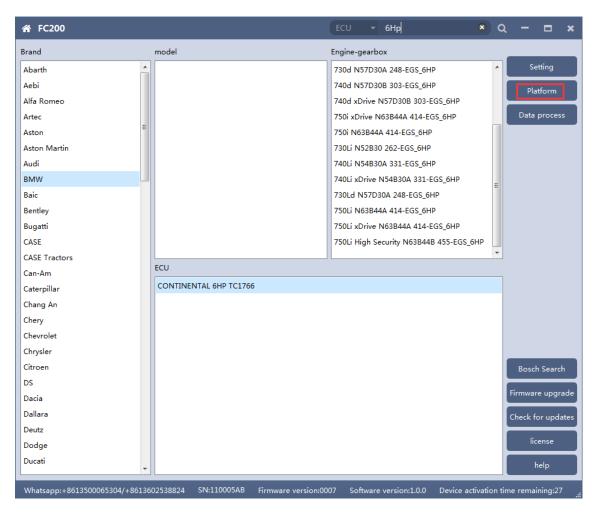


Note: During the data recovery process, it is strictly forbidden to disconnect the power supply or disconnect the device, otherwise it may cause ECU damage; if the software is shut down unexpectedly or the computer is shut down or crashed unexpectedly during the data recovery process, please do not disconnect the power supply or device Connect for 15 minutes, and the device can complete data recovery independently.

#### 5. 6HP

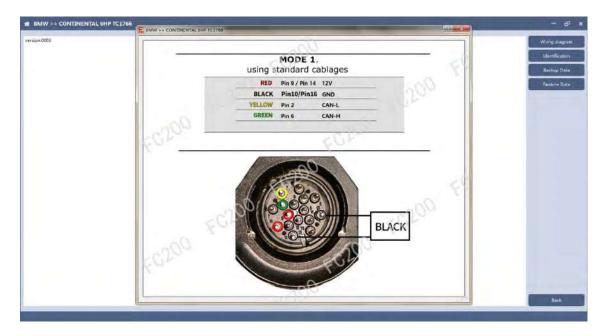
The FC200 currently supports the cloning of 6HP ECUs in BMW F-series (F01, F02, F03).

5.1 Determine the ECU type according to the vehicle model, and select the correct model, otherwise it will not operate normally.



After selecting the correct ECU model, the "Platform" button will appear on the right. As shown in the figure above, click the "Platform" button to enter the ECU operation interface.

### 5.2 View wiring diagram



Click the "Wiring Diagram" button to view the ECU wiring diagram, connect the wiring harness correctly according to the wiring diagram, and connect with the device, plug in the device DC12V interface with 12V power supply.

### 5.3 Identifying ECU



Click the "Identification" button to read the ECU related information, as shown above

### 5.4 Backup Data

DBD is connecting UNIX WARKAN LOBOCX45208 UNIX WARKAN LOBOCX45208 DBD is connection DBD is connection successfully			
99 XW-CAN 500kbp connection successfully We Alace 1000CV45208 BU is correcting BU NW-CAN 500kbp connection successfully INVEXA84100CV45208 INVEXA84100CV55208 IN			Wiring-diagram
NVMEXAI106CV48208 B0 K0%-CAM 500 Epis connection successfully NVMEXAI106CV48208 UNXMEXAI100CV48208 UNXMEXAI100CV48208 Uncertainty to ECU. U connection successful etc.Het TC2166 procession. Built InterfC1166 Built InterfC1166 Bui			transfer Marine
BU is concetting BIO NVPC-AM 2005 par connection successfully INVPS/NVPC AM 2005 par connection successfully investing to FCU. Executed TC1766 processor. http://doi.org/10.00000000000000000000000000000000000			Identification
BD WP-CAN SOLEps connection successfully     Image: Sole Sole Sole Sole Sole Sole Sole Sole			-
NAVE-KARAFI (DIC VAI208 prive High ECD). CU consection success Heat TC 1766 presents. High Inter TC 1766 High PTRC:DN0000006 High PTRC:DN0000000 High PTRC:DN00000000 High PTRC:DN00000000000000000 High PTRC:DN000000000000000000000000000000000000			Bistikop Dete
prestrag to EOL L'oronection uscess tected TC/16 processor. tected TC/16 procesor. tected TC/16 processor. tected TC			
Li Domantian Jukoski Heinel TCI X66 beesensis Hij Inter TCI X66 Heinel TCI X66 beesensis Hij Inter TCI X66 Heinel X600000666 Heinel X60000000 Heinel X600000000 Heinel X600000000 Heinel X6000000000000000000000000000000000000			Restrictor Liena
einether (17246) processor. jus Intern (17246) jus Intern (17246) sub IF RECONSTRUCTORS Sub IF RECONSTRUCTORS			
big Indfe TC1966 big Indfe TC1966 big Indfe TC1966 big FR2:0000000 big FR2:00000000 big FR2:000000000 big FR2:000000000 big FR2:00000000 big FR2:0000000 big FR2:0000000 big FR2:0000000 big FR2:00000000 big FR2:000000000 big FR2:000000000 big FR2:000000000000 big FR2:000000000000000000000000000000000000			
sak F3B.00000001 mit FCDC04000000000 sak F4DC0C4N000000000 sak F4DC0C4N000000000 sak F4DC0C4N0000000000 sak F4DC0C4N000000000000000000000000000000000			
hink FCOCKHOROOGENE hink PRIDCEND 0000000 hink PRIDCEND 0000000 hink PRIDCEND 00000000 hink PRIDCEND 00000000 hink PRIDCEND 000000000000000000000000000000000000			
ani HEDCENHE00000001 sin PHICOLINI 00000001 sin PHICOLINI 00000001 sin PHICOLINI 00000001 sin PHICOLINI 00000001 sin PHICOLINI 0000001 sin PHICOLINI 00000001 sin PHICOLINI 00000000000000000000000000000000000			
eiter PBICCH2:0000000 rktig PALA: with PBICCH2:00000000 rktig PALA: with PBICCH2:00000000000000000000000000000000000			
State         PMIDCONLOCATION         State			
ckcip data			
aking PARAH ading partition/1/2 address/0x/00000.sites1538 4 8ytes ading partition/1/2 address/0x/00000.sites1538 4 8ytes ading partition/1/2 address/0x/001000.sites1538 4 8ytes ading partition1/1/2 address/0x/00100.sites1538 4 8ytes ading partition1/1/2 address/0x/00100.sites1538 4 8ytes ading partition1/1/2 address/0x/001000.sites1538 4 8yt			
adring partition // 12 address/04/000000 sizer 5138 # tytes adring partition // 12 address/04/000000 sizer 5138 # tytes adring partition // 12 address/04/00000 sizer 5138 # tytes adring partition // 12 address/04/00000 sizer 5138 # tytes adring partition // 12 address/04/0000 sizer 5138 # tytes adring partition // 12 address/04/			
eading partition/17 ZaddresubA0008000_table 1538 Feytes eading partition/17 ZaddresubA0018000_table 1538 Feytes eading partition/17 ZaddresubA0118000_table 1538 Feytes eading partition/17 ZaddresubA0180000_table 2538 Feytes eading partition/17 ZaddresubA			
ending partitishing 12 address/0x0400000 size (15384 Bytes eading partitishing 12 address/0x04000 size (15384 Bytes eading partitishing 12 address/0x04000 size (15384 Bytes eading partitishing 12 address/0x04000 size (15384 Bytes eading partitishing 12 address/0x040000 size (15384 Bytes eading partitishing 12 address/0x0400000 size (15384 Bytes eading partitishing 12 address/0x0400000 size (15384 Bytes eading partitishing 12 address/0x04000000 size (15384 Bytes eading partitishing 12 address/0x04000000 size (15384 Bytes eading partitishing 12 address/0x04000000 size (15384 Bytes	eading partition2/12,address0xA0004000,size16364 Bytes		
aading partition(7) (2,addiess00:A0010000,1aid (534 kg/ss aading partition(7) (2,addiess00:A0000 iaid (536 kg/ss aading partition(7) (2,addiess00:A0000 iaid (536 kg/ss aading partition(7) (2,addiess00:A00000),aid(254 kg/ss) aading partition(7) (2,addiess00),aid(254 kg/ss) aading partition(7) (2,addiess00),aid(254 kg/ss) aading partition(7) (2,adiess00),aid(254 kg/ss) aading partition(7) (2,adiess00),aid(254 kg/ss) aadi	eading partition3/12,address0xA0008000.size16384 Bytes		
eading partition(7/2 address0b.4000) accel 5354 bytes walking partition(7/2 address0b.4000) accel 5354 bytes walking partition(7/2 address0b.4000) accel 5354 bytes walking partition(7/2 address0b.4000) accel 5454 bytes walking partition(7/2 address0b.4000) accel 5455 bytes walking partition(7/2 address0b.4000) accel 5455 bytes walking partition(7/2 address0b.475000) accel 5455 bytes walking partition(7/2 address0b.4750000) accel 5455 bytes	eading partition4/12,address0xA000C000 size16384 Bytes		
eading partition/1/2 kadd ess/0A/0016000 (kief 5834 Kytei eading partition/1/2 kadd ess/0A/0012000 kief 5834 Kytei eading partition/1/2 kadd ess/0A/0020000 kief 5834 Kytei eading partition 1/2 kadd ess/0A/0020000 (kief 5834 Kytei eading partition 1/2 kadd ess/0A/0020000 (kief 5836 Kytei eading partition 1/2 kadd ess/0A/00000 (kief 5836 Kytei eading partition 1/2 kadd ess/0A/00000 (kief 5836 Kytei eading partition 1/2 kadd ess/0A/00000 (kief 5836 Kytei	eading partition5/12,address0xA0010000,size16384 Bytes		
eading partitishin(2/12,addresub).40071000 iseri 5349 Bytes eading partitishin(2/12,addresub).40080000 istra 181027 Bytes eading partitishin 17/2,addresub).40080000 justa262144 Bytes eading partitishin 17/2,addresub).40080000 justa262180 Bytes eading partitishin(2/2,addresub).40080000 justa2632 Bytes eading partitishin(2/2,addresub).40080000 justa2632 Bytes			
eading partition(7/2,addresk0.Add02000,Juse2141672,6fpte) eading partition(7/2,addresk0.Add00000,Juse224486,6fpte) eading partition(7/2,addresk0.Add00000,Juse24486,6fpte) eading partition(7/2,addresk0.Adf00000,Juse41586,6fpte) eading partition(7/2,addresk0.Adf20000,Juse41586,6fpte)			
eading partition10/12.addres/0xA000000_para6214.6 kptes keding partition17/2.addres/0xA000000_para624280 kptes eading partition2/12.addres/0xA00000_para691520 kptes eading partition1/2.addres/0xAFE00000_para691520 kptes			
eading partition 17/2.addres/shc/000000_size4915.20 Bytes eading partition 12/2.addres/shc/00000_size4915.20 Bytes eading partition 12/2.addres/shc/0000_size415.85 Bytes			
eading partition12/12.address0sA0100000,size491520 Bytes eading partition1/2.address0sAPE00000,size491520 Bytes			
eading DELASH exacting partition (7,2,add)ees/05000, upw163588 Bytes			
eading partition1/2,address0xAFE00000_stae16384 Bytes			
auding partition2/2.address/0xAFE10000.size16.384 Bytes			
	eading partition2/2.address0xAFE10000.size16364 Bytes		
		92%	Bart.

Click "Backup Data" to back up the ECU data. After reading, please save the data for subsequent use.

#### 5.5 Data Restore

If BMW >> CONTINENTAL 6HPTC1766       wersion0001      ODD is connecting     ODD is connection     Source AS SOURCE A connection successfully     VIEW/BASK41000CV49200      ODD is connecting     ODD is connection     Source AS SOURCE AND A SOURCE	Confirm         X           Image: Solution of the EQU. Press ensure that the data is backed up. Whether the continue?         No	— 51 Whiteg diagram Sertification Backup Data Broton Data
Reading partition/71/2.address/0.40010000.ster (634 Bytes Reading partition/71/2.address/0.4002.0000.ster (634 Bytes Reading partition (0/12.address/0.4002.0000.ster (6352):144 Bytes Reading partition 12/12.address/0.4002.0000.ster (6352):144 Bytes Reading partition 12/12.address/0.4002.0000.ster (6352 Bytes Reading partition 12/12.address/0.4002.0000.ster (6354 Bytes Reading partition 12/2.address/0.4FE00000.ster (6354 Bytes Reading partition 22.address/0.4FE00000.ster (6354 Bytes Reading partition 22.address/0.4FE00000.ster (6354 Bytes Backup data success/bily		East

Click "Restore Data" to write the ECU data. Please make sure the data is backed up before writing. The restored data will overwrite the current ECU data. The data can be the data of the current ECU or other ECUs of the same type.

# BMW >> CONTINENTAL SHP TC1766	- 6 <sup>0</sup> ×
Reading partition 11/12.address0xA0090000.size524288 Eytes	
Reading partition 12/12.addressOx401000000.gaz491520 bytes	Wiring diagram
Reading DFLASH	Identification
Reading partition1/2,address0xAFE00000,size16384 Bytes	IDDITIONE ABOIN
Reading partition2/2,address0xAFE10000,size16384 Bytes	Brickup Data
Backup data successfully	Surfacely Sales
OBD in connecting OBD connecting OBD connecting field	Restore Data
Connection naired	
Recovery data failed	
E1000ED Timeout	
OBD is connecting	
OBD KWP-CAN 500kbps connection successfully	
VIN:WBAKB41090CY49208	
Connecting to ECU.	
ECU connection success	
Detected TC1766 processor.	
Chip Info:TC1766	
Haur YSR.000000	
Hash PECONGUDDUDD	
Fash PROCONI-0000000	
Fair PROCINE:0000000	
Recovering data	
Writting DFLASH	
Writting partition1/2,address0xAFE00000,size16384 Bytes	
Writting partition2/2.address0xAFE10000.size16384 Bytes	
Writting PFLASH	
Writting partition1/12,address0xA0000000,size16384 Bytes	
Writting partition2/12.addressDxA0004000,size16384 Bytes	
Writting partition3/12,address0xA0008000,size16384 Bytes	
Writing partition/1/2_address0xA000C000.izbr16384 Bytes Writing partition/1/2_address0xA0010000.izbr16384 Bytes	
Writing particips/i_adaresixxxu010000,ize16360 syxes	
Writing particular/12_address/solutions/solutions/solutions/solution/12_address/soluti	
Writing partition/12.address0xA001C00.size16388 Bytes	
Writting partition9/12 address0xA0020000 size131072 Bytes	
Writting partition10/12,address0xA0040000,size262144 Bytes	
Writting partition11/12,address0xA0080000,size524288 Bytes	
Writting partition12/12,address0xA0100000,size491520 Bytes	
7%	Back
1/2	All the

Note: During the data restore process, it is strictly forbidden to disconnect the device from the power or disconnect the device; if the software is unexpectedly shut down or the computer is shut down or crashed unexpectedly during the data recovery process, please do not disconnect the device power or the device connection for 15 minutes, The device can complete the data restore independently.

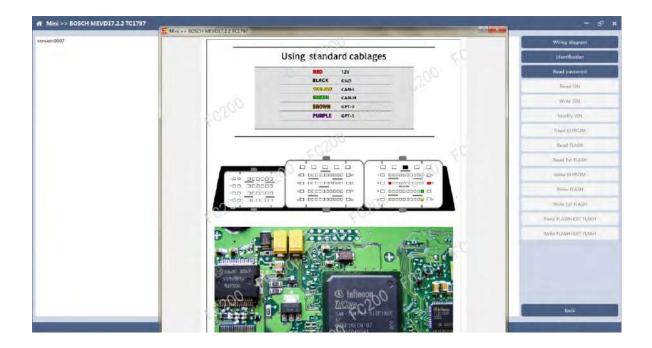
6. BOSCH BOOT (Boot) read and write data

6.1 The ECU type should be determined according to car type, and the model should be selected correctly, otherwise it can not operate normally.

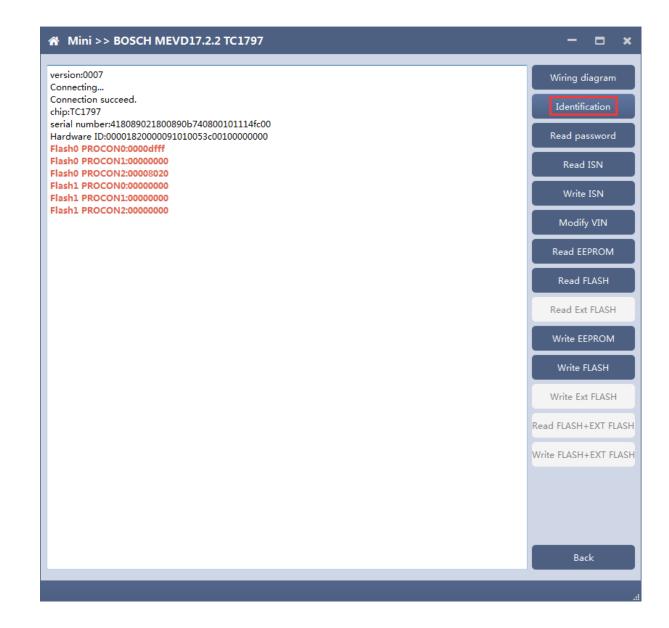
A FC200			ECU 🝷 Search	α − <b>□</b> >
Brand		ECU		
Lifan	*	BOSCH EDC17C41 TC1797		Setting
Lincoln		BOSCH EDC17C50 TC1797		Boot
Luxgen		BOSCH MED17.2 TC1766		
Mahindra		BOSCH MED17.2 TC1796		Data process
Man		BOSCH MEV17.2 TC1766		
Maserati		BOSCH MEV17.2 TC1796		
Massey Ferguson		BOSCH MEV17.2.2 TC1767		
McLaren		BOSCH MEVD17.2.2 TC1797		
Mercedes		BOSCH MEVD17.2.3 TC1793		
Mini		BOSCH MEVD17.2.3 TC1793_B38		
Mitsubishi Fuso		BOSCH MEVD17.2.K TC1793		
New Holland		BOSCH MEVD17.2.K TC1793_B38		
Nissan				
Opel				
Peugeot				
Piaggio				
Polaris				
Porsche				
Renault				
Royal Enfield	E			Bosch Search
Saab				
Sea Doo				Firmware upgrad
Seat				Check for update
Skoda				
Smart				license
Steyr	-			help

After choosing correct ecu type, there will show a "Boot" button as shown picture above.

### 6.2 Check the diagram in software



### 6.3 Identify ECU



### 6.4 Read password



Pop up option box when reading password and select correct type.

### 6.5 Read/write Pflash

A Mini >> BOSCH MEVD17.2	2.2 TC1797	- & ×
Mini >> BOSCH MEVD17.2          version:0007         Connecting         Connection succeed.         chip:TC1797         serial number:418089021800890b7400         Hardware ID:00001820000091000530         Flash0 PROCON1:0000000         Flash0 PROCON1:0000000         Flash1 PROCON2:0000000         Flash1 PROCON2:0000000         Connecting         Flash0 PROCON1:00000000         Flash1 PROCON2:00000000	800101114fc00 c0010000000	<ul> <li>⊢ L ×</li> <li>Wiring diagram</li> <li>Identification</li> <li>Read password</li> <li>Read ISN</li> <li>Write ISN</li> <li>Write ISN</li> <li>Modify VIN</li> <li>Read EEPROM</li> <li>Read FLASH</li> <li>Write ELASH</li> <li>Write FLASH</li> <li>Write FLASH</li> <li>Read FLASH+EXT FLASH</li> <li>Write FLASH+EXT FLASH</li> </ul>
		Back

When reading and writing flash, please select automatic acquisition first. If it is not successful, please try other input methods.

Please note : In the process of writing data, it is strictly forbidden to disconnect the power supply or the connection of the device; if the software is shut down or the computer is shut down or crashes unexpectedly in the process of writing data, please do not disconnect the power supply or the connection of the device, and keep it for 15 minutes, the device can complete the data recovery independently.

### 7. Volkswagen EGS read and write Flash on bench

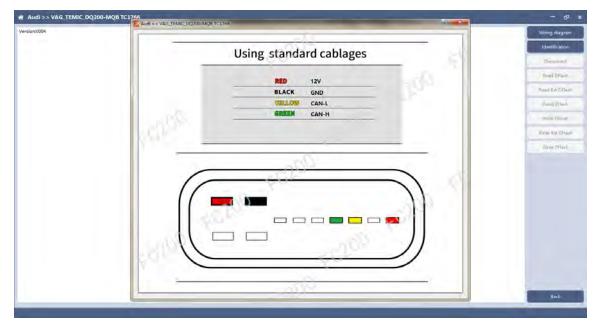
AT-200 currently supports data reading and writing functions of DQ200 and VL381 transmissions of Audi and Volkswagen. DQ200 is taken as an example following.

7.1 The ECU type should be determined according to car type and the model should be selected correctly, otherwise it can not operate normally.

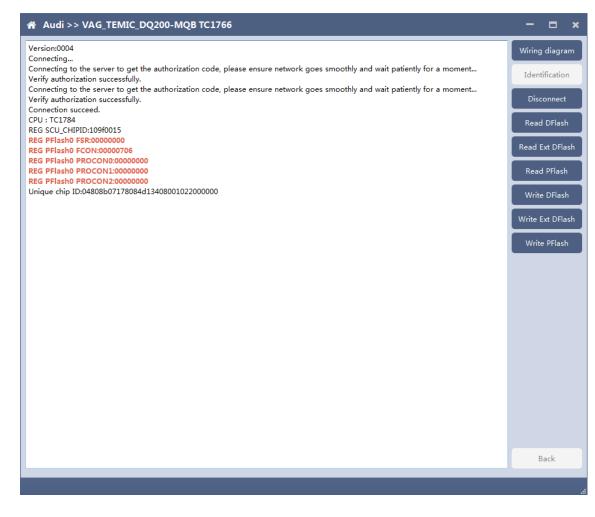
希 FC200			ECU -			) Q	
Brand		ECU					
Abarth	•	BOSCH MED17.1.21 TC1793				*	Setting
Aebi		BOSCH MED17.1.27 TC1793S					Platform
Alfa Romeo		BOSCH MED17.1.6 MASTER_SLAVE TC1797					T lation in
Artec		BOSCH MED17.1.6 SLAVE TC1797					Data process
Aston	E	BOSCH MED17.1.6 TC1797					
Aston Martin		BOSCH MED17.1.61 MASTER_SLAVE TC1793					
Audi		BOSCH MED17.1.61 MASTER_SLAVE TC1793S					
BMW		BOSCH MED17.1.61 TC1793S					
Baic		BOSCH MED17.1.62 TC1793S					
Bentley		BOSCH MED17.5 TC1766					
Bugatti		BOSCH MED17.5 ver2 TC1766					
CASE		BOSCH MED17.5.1 TC1796					
CASE Tractors		BOSCH MED17.5.2 TC1767					
Can-Am		BOSCH MED17.5.20 TC1766					
Caterpillar		BOSCH MED17.5.21 ver2 TC1782					
Chang An		BOSCH MED17.5.25 TC1782					
Chery		BOSCH MED17.5.5 TC1766					
Chevrolet		BOSCH MED17.5.5_TC1767					
Chrysler		VAG_TEMIC_DL382 TC1784				=	
Citroen		VAG_TEMIC_DL501Gen1 TC1766					Bosch Search
DS		VAG_TEMIC_DL501Gen2 TC1784					
Dacia		VAG_TEMIC_DQ200-G2 TC1784					Firmware upgrac
Dallara		VAG_TEMIC_DQ200-MQB TC1766					Check for update
Deutz		VAG_TEMIC_DQ200Dxx TC1766					
Dodge		VAG_TEMIC_DQ250-MQB TC1766					license
Ducati	+	VAG_TEMIC_VL381 TC1766				-	help
Whatsapp:+8613500065304,	/+86136	02538824 SN:110005AB Firmware version:00	07 Soft <u>w</u> ar	e version:1.0.0	Device activat	ion tin	ne remaining:26

#### 7.2 Check diagram

Connect cables well according software diagram



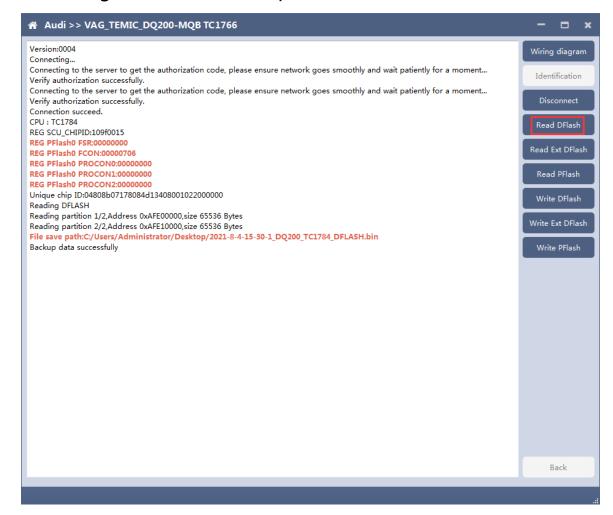
### 7.3 Identify ECU



After connecting to DQ200, the "identify" button will be grayed out. You can proceed to the next step. When you click "disconnect", you can identify again.

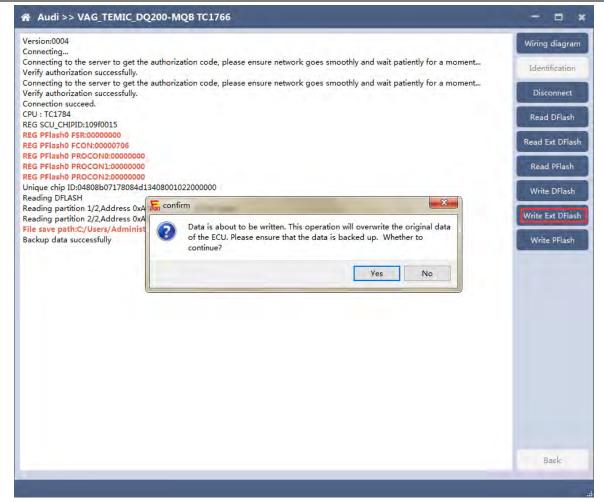
### 7.4 Read DFlash, EXT DFlash and PFlash

Take reading Dflash as an example:



### 7.5 Write DFlash, EXT DFlash and PFlash

Take writing EXT-DFlash as an example:



ersion:0004 onnecting	Wiring diagram
ninceting to the server to get the authorization code, please ensure network goes smoothly and wait patiently for a moment erify authorization successfully.	Identification
rny autorization successiony. onnecting to the server to get the authorization code, please ensure network goes smoothly and wait patiently for a moment rify authorization successfully. onnection succeed.	Disconnect
U : TC1784 G SCU CHIPID:109f0015	Read DFlash
G PFlash0 FCON:00000000 G PFlash0 FCON:00000706	Read Ext DFlas
G PFlash0 PROCON0:00000000 G PFlash0 PROCON1:00000000	Read PFlash
G PFlash0 PROCON2:00000000 nique chip ID:04808b07178084d13408001022000000 ritting EXT_DFLASH	Write DFlash
rrifying external DFlash rrification successfully	Write Ext DFla
rite EXT_DFLASH successfully	Write PFlash
	Back

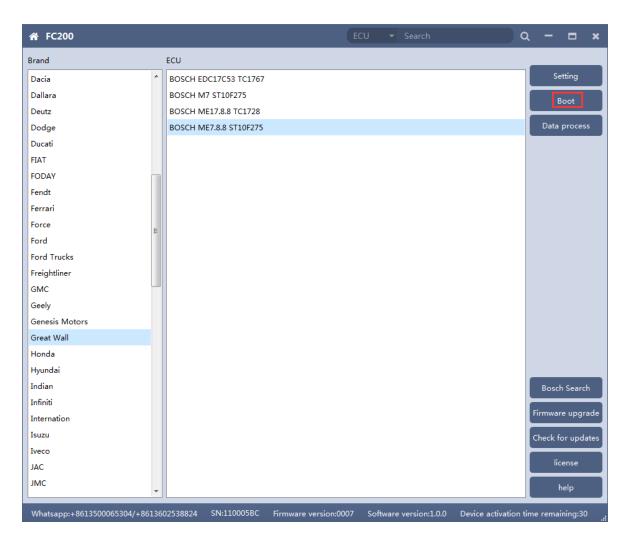
Back up original data before writing flash.

Please note : In the process of writing data, it is strictly forbidden to disconnect the power supply or the connection of the FC200; if the software is shut down or the computer is shut down or crashes unexpectedly in the process of writing data, please do not disconnect the power supply or the connection of FC200 and keep it for 15 minutes, FC200 can complete the data recovery independently.

### 8. BOSCH ST10 series (Boot) read and write data

FC200 currently supports ME7.8.8 ECU data reading and writing function.

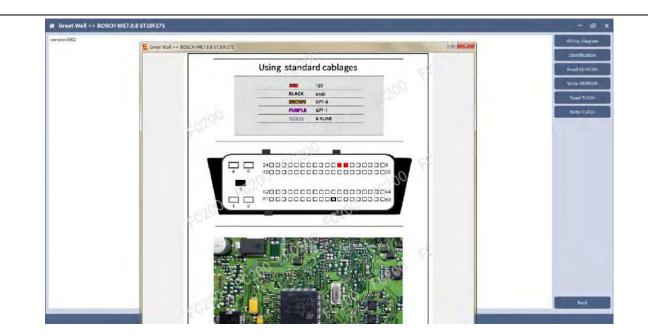
8.1 The ECU type should be determined according to car type, and the model should be selected correctly, otherwise, it cannot be operated normally.



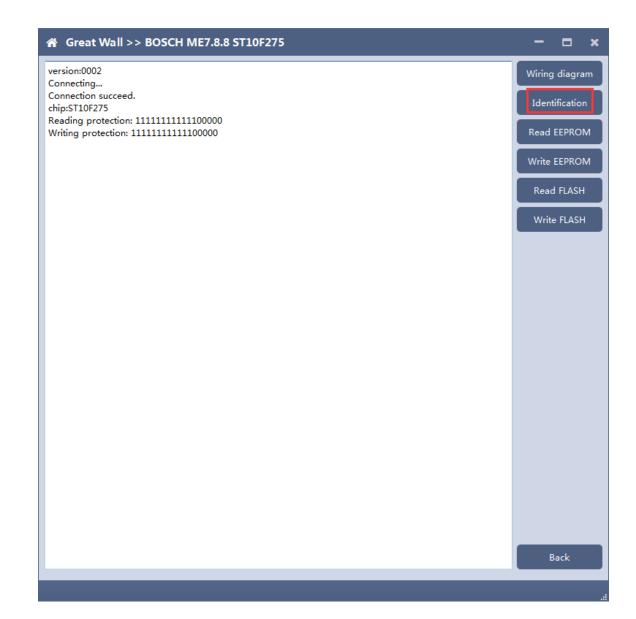
### 8.2 Check diagram

Connect the cables according to software diagram.

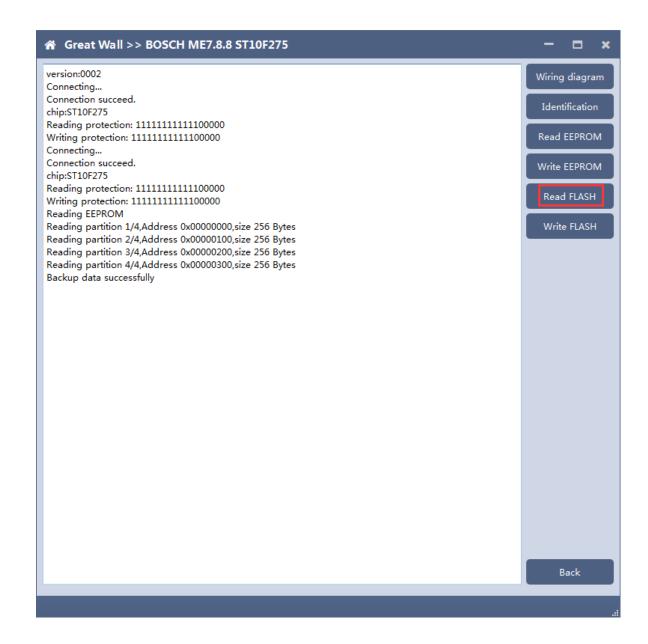
Note: Password reading is the password reading connection, and bootloader reading is the boot mode connection.

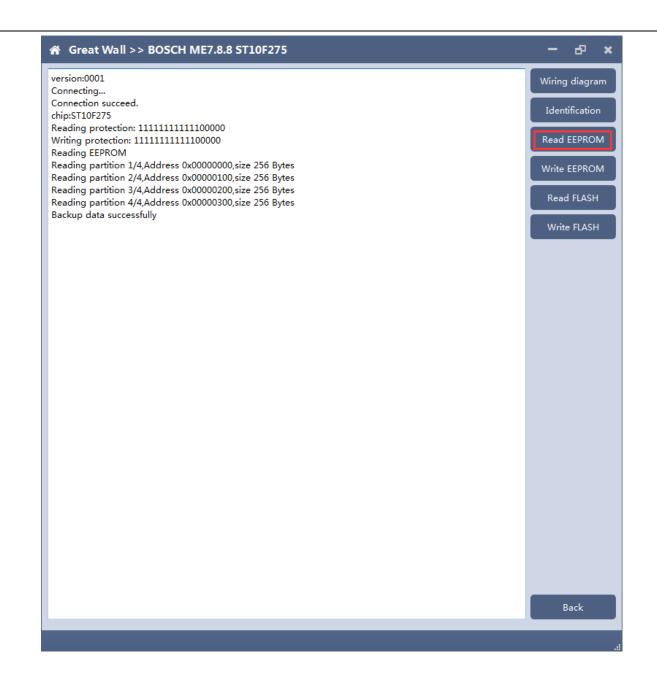


### 8.3 Identification



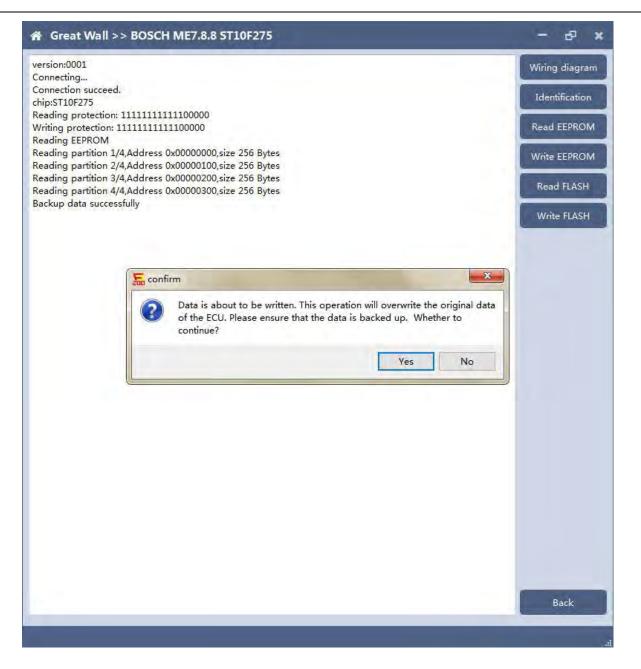
### 8.4 Read EEPROM and FLASH





### 8.5 Write EEPROM and FLASH

Please read the backup data before writing



Note: in the process of writing data, it is strictly forbidden to disconnect the power supply or the connection of the device; if the software is shut down or the computer is shut down or crashes unexpectedly in the process of writing data, please do not disconnect the power supply or the connection of the device, and keep it for 15 minutes. The device can recover the data independently.

### 9. MED17/EDC17 data process tool

FC200 currently support(Generation 4 and 5 anti theft of AUDI/SEAT/SKODA/VOLKSWAGEN)ECU data parsing and modification.

Support Bosch MED/EDC17series immo off.

Support the closing TPROT function of Bosch VAG MEDC17 series, BMW / mini MEVD17 / EDC17 series, Hyundai / Kia EDC17 & MED (G) 17 series.

9.1 Choose AUDI/SEAT/SKODA/VOLKSWAGEN car type then enter data process function

☆ FC200		ECU 🔻 Search	Q - □ ×
Brand	ECU		
Abarth	BOSCH MED17.7.5 TC1793		Setting
Aebi			Data process
Alfa Romeo			Data process
Artec			
Aston			
Aston Martin			
Audi			
BMW			
Baic			
Bentley			
Bugatti			
CASE			
CASE Tractors			
Can-Am			
Caterpillar			
Chang An			
Chery			
Chevrolet			
Chrysler			
Citroen			Bosch Search
DS			
Dacia			Firmware upgrade
Dallara			Check for updates
Deutz			
Dodge			license
Ducati	,		help
Whatsapp:+8613500065304/+8613	602538824 SN:110005AB Firmware version:00	)7 Software version:1.0.0	Device activation time remaining:26

### 9.2 Select operation type

Choose function needs to be operated

A MED17/EI	DC17 data process tool	- & ×
ECU type: VIN: Anti-theft: version:0002	Anti-theft type: CS: Status: New MAC: PIN: Please select the operation type Anti theft data processing of Audi / siet / Skoda / Volkswagen	Load DFlash(EEPRO M) file Load PFlash file Parse data Save File
	MEDC17 anti theft system Turn Off TPROT Reset VAG Flash Counter	
	Back	Back

### 9.3 AUDI/SEAT/SKODA/VOLKSWAGEN anti-thief data process function

#### 9.3.1 Load DFlash(EEPROM) and PFlash files

Load DFlash (EEPROM) and PFlash files respectively

ECU type:	Anti-theft type:			Load DFlash(EEPR M) file
VIN:	CS:	Status:	New	Load PFlash file
Anti-theft:	MAC:	PIN:		Parse data
oad DFlash (EEPRON oading PFlash	dministrator/Desktop/FC200 data/1/1 1) successfully	AFXED 4 0 14 0 59	STICL PURSUID	
oad path:C;/Users/Ad	dministrator/Desktop/FC200 data/ _33333333_TC1797_PFlash.bin Illy			

### 9.3.2 Parsing data

n Anti t	theft data proces	sing of Audi	/ siet / Skoda / V	olkswa	gen	- & ×
ECU type:	MED17	Anti-theft type:	generation anti-theft			Load DFlash(EEPRO M) file
VIN:	WCM7A34DC145868	CS:	8F2ACD35A05700	Status:	Matched 👻	Load PFlash file
Anti-theft:		MAC:	6EF79115	PIN:	42981	Parse data
Load path: Load DFlas Load path: 1/1/2020-4 Load PFlas Parsing dat	Flash (EEPROM) C:/Users/Administrato h (EEPROM) successfu lash C:/Users/Administrato I-8-14-13-7_33333333 h successfully	ully r/Desktop/FC20	0 data/	.4-6-29 <u>1</u>	FC1797_DFlash.bin	Save File
						Back

### 9.3.3 Modify the data and save the file

🏫 Anti t	theft data proces	sing of Audi	/ siet / Skoda / Vo	olkswa	gen	- 69 ×
ECU type:	MED17	Anti-theft type:	generation anti-theft			Load DFlash(EEPRO M) file
VIN:	WCM7A34DC145868	CS:	8F2ACD35A05700	Status:	Matched -	Load PFlash file
Anti-theft:		MAC:	11111111	PIN:	11111	Parse data
Load path: Load DFlas Loading PF Load path: 1/1/2020-4 Load PFlas Parsing dat	Flash (EEPROM) C:/Users/Administrato h (EEPROM) successfu lash C:/Users/Administrato I-8-14-13-7_33333333 h successfully	ully r/Désktop/FC20		4-6-29_1	C1797_DFlash.bin	Save File Back

### 9.4 MEDC17 anti-theft system function

### 9.4.1 Load PFLASH data

MEDC17 anti theft system	- e ×
ersion:0002 oad path:C:/Users/Administrator/Desktop/FC200 data/2/2020-4-8-14-13-7_TC1797_PFlash.bin oading data Data loaded successfully	Loading Pflash file Turn off the MEDC 7 Anti-Theft system
	Back

#### 9.4.2 Turn off the MEDC17 anti-theft system and save file

🎢 MEDC17 anti	theft system	- 8
version:0002 Load path:C:/Users/A loading data Data loaded successf Turning off anti-theft		Loading Pflash fi Turn off the MED 7 Anti-Theft syste
Save		
●●●● + 计算机 ▶	★ 4	计算机
且织 ▼		11 11 11 11 11 11 11 11 11
<ul> <li>家庭组</li> <li>计算机</li> <li>本地磁盘 (C:)</li> <li>本地磁盘 (D:)</li> <li>本地磁盘 (E:)</li> </ul>	硬盘 (3) 本地磁盘 (C:) 23.9 GB 可用,共100 GB 本地磁盘 (E:) 14.0 GB 可用,共99.0 GB 有可移动存储的设备 (1)	5B
	DVD RW 驱动器 (F:) 甘仲 /1) 4-18-9-41_IMMO_OFF n)	
隐藏文件夹	· 保	存(S) 取消

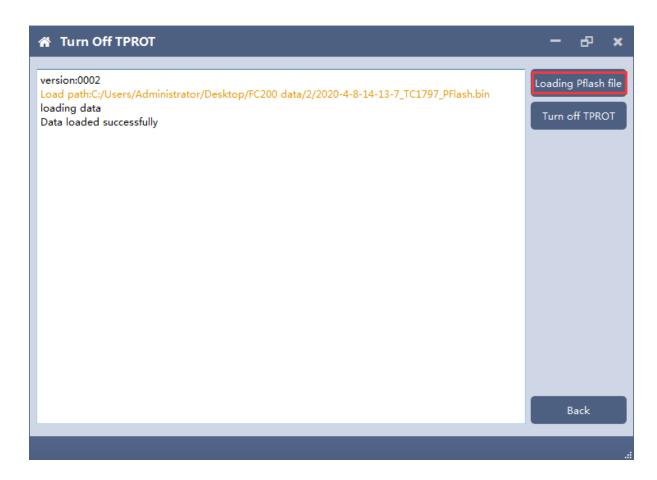
### 9.5 Close TPROT

#### 9.5.1 Select ECU type

Choose correct ECU type, FC200 currently supports the Bosch VAG MEDC17 series, BMW / mini MEVD17 / EDC17 series, Hyundai / Kia EDC17 & MED (G) 17 series .

🔏 Turn Off TP	ROT	- & ×
ECU type: VIN: Anti-theft:	Anti-theft type: Anti-theft type: Status: New V	Load DFlash(EEPRO M) file Load PFlash file Parse data
version:0002	Please select ECU type (BOSCH)VAG MEDC17 series (BOSCH)BMW/Mini MEVD17/EDC17 series (BOSCH)Hyundai/Kia EDC17 _MED(G) 17 series Back	Save File
		Back

### 9.5.2 Load PFLASH data



### 9.5.3 Close TPROT and save the file.

😭 Turn Of	TPROT		×
version:0002 Load path:C:/L loading data Data loaded s Closing TPRO1		-14-13-7_TC1797_PFlash.bin	Loading Pflash file Turn off TPROT
5 Save			X
	•	<ul> <li>★ 提素 计算机</li> </ul>	2 2
组织 ▼			- • <b>(</b> )
<ul> <li>○ ● 家庭组</li> <li>○ ● 本地磁盘 (C:)</li> <li>○ ● 本地磁盘 (D:)</li> <li>○ ● 本地磁盘 (E:)</li> <li>○ ● WPS网盘</li> <li>● ● MPS</li> </ul>	▲ 硬盘 (3) 本地磁盘 (C:) 23.9 GB 可用,共100 GB 本地磁盘 (E:) 14.0 GB 可用,共99.0 GB ▲ 有可移动存储的设备 (1) DVD RW 驱动器 (F:) ↓ 甘(h) (1)	本地磁盘 (D:)	
文件名(N): 202	I-8-4-18-13-33_TPROT_OFF		•
保存类型(T): BIN	*.bin)		¥]
● 隐藏文件夹		保存(S)	取消