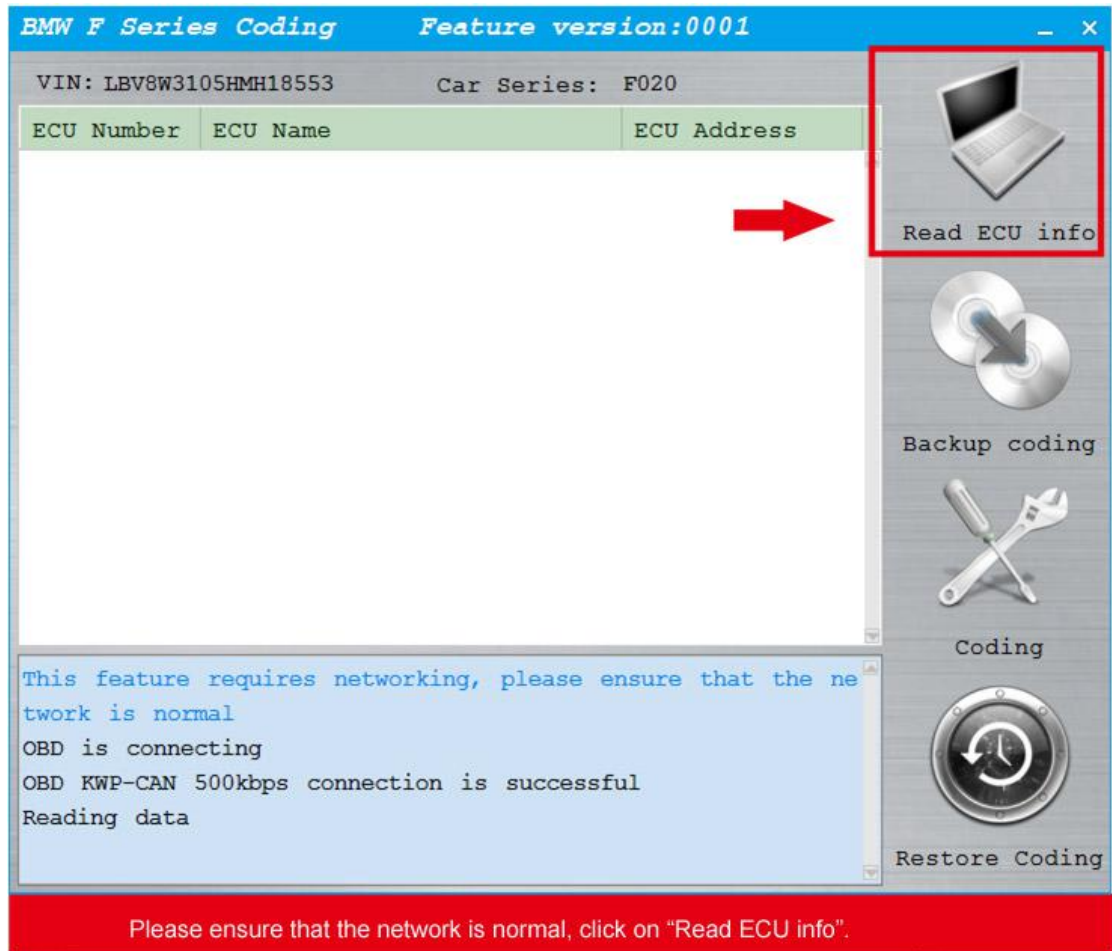# CGDI BMW F series coding guide

1. Connect CGDI BMW Pro to the car via OBD and click on "BMW F series coding".

2. Choose ECU info

Note: this function needs to connect the internet, please confirm the network is connected, click ECU info.

BMW F Series Coding   Feature version:0001

VIN: LBV8W3105HMH18553   Car Series: F020

ECU Number	ECU Name	ECU Address

Read ECU info

Backup coding

Coding

Restore Coding

This feature requires networking, please ensure that the network is normal
OBD is connecting
OBD KWP-CAN 500kbps connection is successful
Reading data

Please ensure that the network is normal, click on "Read ECU info".

3. After reading ECU successfully, click on 3. FEM_BODY

The data was read out successfully, click on "3 FEM_Body".

4. Click on "Backup coding", then "Yes".

BMW F Series Coding   Feature version:0001   — ✕

VIN: LBV8W3105HMH18553   Car Series: F020

ECU Number	ECU Name	ECU Address
▶ 1	FEM GW	10
▶ 2	FLE	43
▼ 3	FEM_BODY	40
	HWEL_00000792_000_005_002	
	HWAP_00000F26_255_255_255	
	HWAP_00000F2B_255_255_255	
	HWAP_00000F2C_255_255_255	
	HWAP_00000F2D_255_255_255	
	HWAP_00000F2E_255_255_255	
	HWAP_00000F30_255_255_255	
	HWAP_00000F32_255_255_255	
	HWAP_00001263_255_255_255	
	BTLD 00001556 003 102 020	

Read ECU info

Backup coding

Coding

Restore Coding

This feature requires networking, please ensure that the network is normal
OBD is connecting
OBD KWP-CAN 500kbps connection is successful
Reading data
The data was read successfully

Click on "Backup coding".

Prompt   ✕

ⓘ Whether to backup coding data

Yes:(Y)   No (N)

5. Backup coding succeed, this is the path to save the file.

BMW F Series Coding   Feature version:0001

VIN: LBV8W3105HMH18553   Car Series: F020

ECU Number	ECU Name	ECU Address
▶ 1	FEM GW	10
▶ 2	FLE	43
▼ 3	FEM_BODY	40
	HWEL_00000792_000_005_002	
	HWAP_00000F26_255_255_255	
	HWAP_00000F2B_255_255_255	
	HWAP_00000F2C_255_255_255	
	HWAP_00000F2D_255_255_255	
	HWAP_00000F2E_255_255_255	
	HWAP_00000F30_255_255_255	
	HWAP_00000F32_255_255_255	
	HWAP_00001263_255_255_255	
	BTLD_00001556_003_102_020	

car battery voltage12.45V
Coding is being backed up
Backup code file path is:C:\Program Files (x86)\Changguang\C
GDI\UserData\LBV8W3105HMH18553\2018-4-17-9-55-41 FEM_BODY_CAF
D_00000794_015_048_005.ncd
Backup Coding success

Read ECU info

Backup coding

Coding

Restore Coding

Backup coding succeed.   This is the path to save the file.

5. Click coding

BMW F Series Coding   Feature version:0001

VIN: LBV8W3105HMH18553   Car Series: F020

ECU Number	ECU Name	ECU Address
▶ 1	FEM GW	10
▶ 2	FLE	43
▼ 3	FEM_BODY	40
	HWEL_00000792_000_005_002	
	HWAP_00000F26_255_255_255	
	HWAP_00000F2B_255_255_255	
	HWAP_00000F2C_255_255_255	
	HWAP_00000F2D_255_255_255	
	HWAP_00000F2E_255_255_255	
	HWAP_00000F30_255_255_255	
	HWAP_00000F32_255_255_255	
	HWAP_00001263_255_255_255	
	BTLD_00001556_003_102_020	

GDI\UserData\LBV8W3105HMH18553\2018-4-17-9-55-41 FEM_BODY_CAF
D_00000794_015_048_005.ncd
Backup Coding success
Security authentication is in progress
Safety certification through
Seting Code

Read ECU info

Backup coding

Coding

Restore Coding

Click on "Coding".

6. Coding succeed

BMW F Series Coding　　　**Feature version:0001**　　　_ ✕

VIN: LBV8W3105HMH18553　　　Car Series: F020

ECU Number	ECU Name	ECU Address
▶ 1	FEM GW	10
▶ 2	FLE	43
▼ 3	FEM_BODY	40
	HWEL_00000792_000_005_002	
	HWAP_00000F26_255_255_255	
	HWAP_00000F2B_255_255_255	
	HWAP_00000F2C_255_255_255	
	HWAP_00000F2D_255_255_255	
	HWAP_00000F2E_255_255_255	
	HWAP_00000F30_255_255_255	
	HWAP_00000F32_255_255_255	
	HWAP_00001263_255_255_255	
	BTLD 00001556 003 102 020	

D_00000794_015_048_005.ncd
Backup Coding success
Security authentication is in progress
Safety certification through
Seting Code
Coding is successful

Read ECU info

Backup coding

Coding

Restore Coding

Coding is successful.