Operating Instructions for the Function of BMW

CAS4/CAS4+Immobilizer Module Replacement

I Function introduction

Support BMW CAS4/CAS4+ Second-hand Anti-Theft System Module Replacement function.

II Condition requirements

Device requirements

PRO and other Android devices of 431 products, X431-G/X431-G3 Immobilizer with key

adapter;

Software requirements

BMW V50.54 and above

III Steps

The function of CAS4 Immobilizer Module Replacement is described as below:

1. Read Anti-theft data of original module and save it.

1.1 Enter the software, and select [Anti-Theft System], as shown in Figure 1.

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Show Menu	A 8
BMW V50.70 > Menu	🖽 11.91V
Automatically Search	Manually Select
Coding/Program	Special Function
Function Help	ADAS Calibration
Anti-Theft System	

BMW GT 535i VIN WBASP2C	Drive 2011 51BC337850				
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		Figu	re 1		

1.2 Click [OK], as shown in Figure 2.

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Show Menu			^		F
BMW V50.70 > Menu					🖽 11.91V
Automatically Search		Manually Select			
Coding/Program		Special Function			
	Inform	nation			
Anti-Theft System	The Execution Of The Requires An IMMO Pro Connect The Program Execute The Next Step	The Execution Of The IMMO Function Requires An IMMO Programmer. Please Connect The Programmer. Click [OK] To Execute The Next Steo.			
	CANCEL	ок			
BMW GT 535i xDrive 2011 VIN WBASP2C51BC337850					
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Figure 2

1.3 Enter the Anti-Theft System, and you need to connect with X431-G/X431-G3 Anti-Theft key adapter to perform the next step, as shown in Figure 3.

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Information	î		ŀ
BMW V50.70 > Anti-Theft System			🖽 11.91V
Please Connect The Diagnostic Connector And The Anti-Theft Programmer At The Sam Programmer Is G3, Please Connect According To The Left Picture, If It Is G1, Please Con Picture)	e Time (If Th nnect Accord	e Anti-Theft	Right
BMW GT 535i xDrive 2011 VIN WBASP2C51BC337850			ОК
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Figure 3

1.4 If you don't know the type of the Anti-Theft System, you can select [Intelligent Mode] to enter, as shown in Figure 4.

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Show Menu		f		₽
BMW V50.70 > Anti-Theft System				🖽 11.91V
Intelligent Mode	IMMO			
EGS System	Engine System			

BMW GT 535i xD VIN WBASP2C51	rive 2011 BC337850				
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Figure 4

1.5 Jump CAS4/CAS4+ Anti-Theft System to the corresponding Anti-Theft system menu, as shown in Figure 5.

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Show Menu	
BMW V50.70 > Anti-Theft System	🖽 11.94V
ECU Information	Read ISN (Initial Serial Number)
Preprocessing	Key Learning
Replace Immobilizer Data	Mileage Reset
Key Status	MCU Operation

BMW GT 535i xD VIN WBASP2C51	rive 2011 BC337850					
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Figure 5

1.6 Click [Preprocessing], you need to preprocess the module to perform Read Anti-Theft data, Key Matching and more. After preprocessing, you can perform relevant functions. The ECU will be upgraded in this process, and files need to be downloaded online. Please connect to the network in advance, as shown in Figure 6.

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Show Menu					P
BMW V50.70 > Anti-Theft System					🖭 11.89V
ECU Information		Read ISN (Initial Serial Nu	umber)		
Preprocessing		Key Learning			
Replace Immobilizer Data	Na	otes			
Key Status	Downloading,please wa Progress: 0 / 2	ait			
BMW GT 535i xDrive 2011 VIN WBASP2C51BC337850					
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Figure 6

1.7 Make sure that vehicle power supply voltage stable, and then click [Yes], as shown in Figure 7.

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Show Menu					F
BMW V50.70 > Anti-Theft System					🖻 11.89V
ECU Information		Read ISN (Initial Serial N	umber)		
Preprocessing		Key Learning			
	Prepro	cessing			
Replace Immobilizer Data	Please Make Sure That	Vehicle Power Supply			
Key Status	Voltage Not Lower Tha It Is Going To Start Pre Whether To Continue?	in 13V And Stable For processing ECU !			
	NO	YES			
BMW GT 535i xDrive 2011 VIN WBASP2C51BC337850					
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Figure 7

1.8 After preprocessing succeeded, click [OK] button, as shown in Figure 8.

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Show Menu					P
BMW V50.70 > Anti-Theft System					🛅 11.88V
ECU Information		Read ISN (Initial Serial Nu	umber)		
Preprocessing		Key Learning			
Replace Immobilizer Data	Prepro	cessing			
Key Status	Preprocessing Succeer Successfully !				
	C	к			
BMW GT 535i xDrive 2011 VIN WBASP2C51BC337850					
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Figure 8

1.9 After preprocessing succeeded, return to the function menu and click [Replace Immobilizer Data] function, as shown in Figure 9.

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Show Menu	A 🖶 🗗
BMW V50.70 > Anti-Theft System	🖽 11.94V
ECU Information	Read ISN (Initial Serial Number)
Preprocessing	Key Learning
Replace Immobilizer Data	Mileage Reset
Key Status	MCU Operation

BMW GT 535i xD VIN WBASP2C51	rive 2011 BC337850						
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Figure 9

1.10 Reading original Anti-Theft data succeeded, click [Yes] button to save original Anti-Theft data, as shown in Figure 10.



Figure 10

1.11 Enter the name of the file to be saved, and click [OK] after the file is successfully saved, as shown in Figure 11.

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Choose File For Save					P
/storage/emulated/0/cnlaunch/X431PAD	0V/989890002554/DIAGNOSTI	C/BMWImmoData/Immo/	CAS4/Renew/br	nw cas4 repla	cement.bin
A Back to Up Page					
B Home					
	Replace Imm	obilizer Data			
	The Anti-Theft Data Is	Successfully Saved!			
	0	к			
ок			CANCEL		
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Figure 11

1.12 The path of saved file is under the /DIAGNOSTIC/BMWImmoData/ path, and Anti-Theft data is displayed, as shown in Figure 12.

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Replace Immobili	Replace Immobilizer Data							
BMW V50.70 > Anti-Theft Syst	em					🖽 11.92V		
Name	Value		Writing Status					
Vin	WBAS	P2C51BC337850	Not Started					
ІММО Туре	CAS4		Unavailable For Writing					
Freq	315MF	łz	Not Started					
Data	1E0C0	7DA3032343044413633	Not Started					
WUP	BC216	3170000000000000000	Not Started					
EGS ISN	7314C178							
Secret Key	B659A	F6406B61B308658FD0B96F7	BA0B		Not Started			
0 11/ DUE	00645		c 000					
Modify		Load	Write		Modify ISN			
BMW GT 535i xDrive 2011 VIN WBASP2C51BC337850								
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2. Write the Anti-theft data of original module into the second-hand module. After successfully written, the operations of programming and coding can be performed after the mileage is reset. The second-hand module without mileage reset will synchronize the maximum mileage with instrument, causing the mileage of instrument getting larger.

2.1 The second-hand module to be replaced needs to perform the following functions in the desktop platform. After connecting to the platform, follow the steps above to perform Preprocessing, Read Anti-theft data and other operations again for the second-hand module, as shown in Figure 13, when you entering here, please click [Load] button.

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Replace Immobili	Replace Immobilizer Data								
BMW V50.70 > Anti-Theft Syste	em				🖽 11.92V				
Name	Value	Value							
Vin	WBASP2C51BC337850	Not Started							
ІММО Туре	CAS4	CAS4							
Freq	315MHz	315MHz							
Data	1E0C07DA3032343044413633	1E0C07DA3032343044413633							
WUP	BC216317000000000000000000	BC216317000000000000000							
EGS ISN	IGS ISN 7314C178								
Secret Key	B659AF6406B61B308658FD0B96F7	7BA0B		Not Started					
0 K . D E		1000							
Modify	Load	Write		Modify ISN					
BMW GT 535i xDrive 2011 VIN WBASP2C51BC337850	·								
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Figure 13

2.2 Select the backed up Anti-Theft data of original module, click [Yes] button to display the loaded original Anti-Theft data, and click [write] button, as shown in Figure 14.

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Replace Immob	ilizer Data			f	ē	ŀ
BMW V50.70 > Anti-Theft S	ystem					🖽 11.92V
Name	Value	Value				
Vin	WBASP2C	WBASP2C51BC337850				
ІММО Туре	CAS4		Unavailable For Writing			
Freq	315MHz		Not Started			
Data	1E0C07DA	3032343044413633	Not Started			
WUP	BC216317	BC216317000000000000000				
EGS ISN	7314C178				Not Started	
Secret Key	B659AF64	06B61B308658FD0B96F	7BA0B		Not Started	
0 . W D. F	00000000	BAAAAAEBEA7754050775	1000			
Modify		Load	Write		Modify ISN	
BMW GT 535i xDrive 2011 VIN WBASP2C51BC3378	I 50		'			
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Figure 14

2.3 After the writing is completed, click [OK] button, as shown in Figure 15.

Replace Immobili			F				
BMW V50.70 > Anti-Theft Syste	em					🖽 11.91V	
Name	Value				Writing Status		
Data	1E0C07DA3032343044413633				Failed		
WUP	BC2163170	0000000000000000		Failed			
EGS ISN	7314C178	Replace Imr		Succeeded			
Secret Key	B659AF64	Writing The Anti-Theft	Data Completed!		Failed		
Secret Key DME	336154F0				Succeeded	I	
Secret Key EWS5	00000000		ок		Failed		
Key 1	22EAE932				Failed		
Key 2	A281AA32				Failed		
Modify			Write			N	
BMW GT 535i xDrive 2011 VIN WBASP2C51BC337850							
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Figure 15

2.4 Return to the function menu list, and perform [Mileage Reset] function.

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Show Menu	
BMW V50.70 > Anti-Theft System	🖽 11.91V
ECU Information	Read ISN (Initial Serial Number)
Preprocessing	Key Learning
Replace Immobilizer Data	Mileage Reset
Key Status	MCU Operation

BMW GT 535i xD VIN WBASP2C51	rive 2011 BC337850					
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2.5 After the mileage successfully reset, it can be installed on vehicle to perform programming and coding.