CAS3 add key by OBD on bench

Tip :

1 CAS1-3 no need DME ISN when add key (even if all key lost ,no need DME ISN too)
2 BMW car ,key position # 1 and #2 ,you can disable this two key position ,but can not delete the key or recover key position . It will make your car can not ignition on if you do that
3 BMW car only can support 2 smart keys normally , You can disable the lose smart key ,then you can add smart key

Equipment: CGDI BMW

Function: BMW CAS1-3+ key match(OBD)

Parts needed: Gateway, ignition switch, CAS, new blank key, USB cable, OBD

cable,Power and platform harness.

1. Check the CAS3 key status

1.1 Make sure that you have the blank key



1.2 Put your key in CGDI BMW coil ,then click check key status

😭 CAS3 key	matching	Feature	e Version:0006	- @ ×
VIN: Tooth code:		Cas version: Remote control	frequency:	Load CAS data
Key number	Key ID	Status	Confirm	Check key status Generate dealer key Unlock key
Key blank				Help .::

2. Enter into CAS1-3+ key match(OBD) page to add key



Tip: You need to make sure your instrument is light

2.1 Click Read key information

🕷 CAS1-3+key matching	Feature Version:000B				- e ×
VIN:	Cas version number:	C	Cas version:	suitsh	Read key information
	Remote control frequency.		cey in ignition	SWILLIN	Generate dealer key
Key number Key ID secret key	Configuration page Key type	Status Remot	te control ID	Remote control password	Add key
					Sync ELV
					Recovery key bit
					Unlock key
					Enable key
					Disable key
<				>	Load key data
					Help

Please wait more seconds, it is reading

A CAS1-3-	+key ma	tching	Feature Versior	:000B				- 8 ×
VIN: WBAVB5 Tooth code: F	6040ND26	5567 I8	Cas version number: 9147226 Remote control frequency: 315			Cas version: CA Key in ignition	NS3 switch: none	Read key information
Key number	Key ID	secret key	Configuration page	Key type	Status	Remote control ID	Remote control password	Generate dealer key
								Add key
								Sync ELV
								Recovery key bit
								Unlock key
								Enable key
								Disable key
								Load key data
OBD is connec OBD KWP-CAN Security certific Safety certifica Reading data	ting N 500kbps cation in p tion passe	successfully o rogress ed	connected					
								Help

2.2 When it tip you remove the key from the ignition switch ,you must need to make sure it no key in the ignition switch

🖀 CAS1-3+key matching	Feature Version:000B	- e ×
VIN: WBAVB56040ND26567 Tooth code: HA00009548	Cas version number: 9147226 Cas version: CAS3 Remote control frequency: 315 Key in ignition switch: none	Read key information
Key number Key ID secret key	Configuration page Key type Status Remote control ID Remote control password	Generate dealer key
		Add key
		Sync ELV
		Recovery key bit
	Prompt X	Unlock key
	Please remove the key in the ignition switch	Enable key
	補定	Disable key
		Load key data
OBD is connecting OBD KWP-CAN 500kbps successfully Security certification in progress Safety certification passed Reading data Read data successfully	connected	
		Help

	> This	PC > Desktop > 222	E	~	Ö	Search 222	
Organize 👻 N	ew folder						EE +
This PC 3D Objects Desktop Documents Downloads Music Pictures Videos Videos	Ŷ	Name	Ŷ 9 9147226 BackEEPROM ↓	Date modified 1/16/2021 4:40 A	м	Type BIN File	Size 10 KB
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Save as type:	BIN(*.b	in)					
Hide Folders					_	Save	Cancel
DIKWF*CAN JOO	ער אין א	ccessiumy connecteur	_			3	

It will pop a file that you need to save it (This file can use to unlock key)

2.3 Click Generate dealer key

Choose empty key position then click Generate dealer key

/IN: WBAVB5 ooth code: F	6040ND2656 IA00009548	7 (F	Cas version number: 914 Remote control frequenc	17226 cy: 315	Cas v Key i	version: CAS3 n ignition switch: none		Read key information
ey number	Key ID	secret key	Configuration page	Key type	Status	Remote control ID	Remote control	Generate dealer key
1	9EC83519	6C5A2C2828F3	CEB9B5E8	pcf7936	Enable	D1CB	3E0171E154AC	Add key
2	B389E597	50BE0687C4A5	C85F7580	smart key	Enable	F71A	8B0EC6AB1A61	
3	DCC0839B	161F8077B53E	C8697B02	remote key	Enable	3DDD	3A043C7B9170	Sync ELV
4	FFFFFFF	73E065EF3E54	C8C50BC4	Unused	Enable	EB71	47CC99EE62F5	Recovery key bit
5	FFFFFFF	AB5F0B46E417	C8141A5D	Unused	Enable	31FD	5A487E2F0B66	
6	FFFFFFF	CE67AFE5E7DE	C80FDAC9	Unused	Enable	9B59	3BEF7887182B	Unlock key
7	FFFFFFF	FD65955EF727	C8BD19BF	Unused	Enable	6827	5D0E32DC6F95	Frankla box
8	FFFFFFF	40B6B7B37738	C846AFB9	Unused	Enable	C276	151677CBD43E	Enable key
9	FFFFFFF	87AB0E485F15	C8A0F5DC	Unused	Enable	42C3	767F9DB61F7B	Disable key
10	FFFFFFF	2F263E4F0B08	C8B39D8B	Unused	Enable	93B7	9DB3C7329A48	
								Load key data
fety certifica ading data ad data suc curity certifica ading key in ad key infor e save path	tion passed cessfully cation in prog tion passed oformation mation succe ::C:/Users/Ad	gress gress ssfully ministrator/Desk	top/宝马CGDI	(英文版/2020	-12-28-19-1	8-45 9147226 BackEEF	ROM.BIN	Help

Please put the blank key into CGDI as software said.

oth code: H	1A0 <mark>000954</mark> 8	F	Remote control frequen	су: 315	Key i	n ignition switch: none		Read key information
number	Key ID	secret key	Configuration page	Key type	Status	Remote control ID	Remote control	Generate dealer key
1	9EC83519	6C5A2C2828F3	CEB9B5E8	pcf7936	Enable	D1CB	3E0171E154AC	Add key
2	B389E597	50BE0687C4A5	C85F7580	smart key	Enable	F71A	8B0EC6AB1A61	
3	DCC0839B	161F8077B53E	C8697B02	remote key	Enable	3DDD	3A043C7B9170	Sync ELV
4	FFFFFFF	73E065EF3E54	C8C50BC4	Unused	Enable	EB71	47CC99EE62F5	Recovery key bit
5	FFFFFFF	AB5F0B46E417	Promot	Unused	Enable	2160	54487E2F0B66	
6	FFFFFFF	CE67AFE5E7DE	c				3EF7887182B	Unlock key
7	FFFFFFF	FD65955EF727	C Please put	t the blank key i	nto the coil	of CGDI programmer	00E32DC6F95	Facility Inc.
8	FFFFFFF	40B6B7B37738	c V				1677CBD43E	Enable key
9	FFFFFFF	87AB0E485F15	c				7F9DB61F7B	Disable key
10	FFFFFFF	2F263E4F0B08	c			确定	B3C7329A48	
								Load key data
anty certifica ding data d data suc urity certifica ty certifica ding key ir	cation in prog tion passed cessfully cation in prog tion passed iformation	gr ess gress					^	

à

Then choose your key type to add key

(Tip: BMW car only can support 2 smart keys normally, You can disable the lose smart key, then you can add smart key)

IN: WBAVB5 ooth code: F	6040ND2656 IA00009548	7 (Cas version number: 914 Remote control frequen	17226 cy: 315	Cas Key i	version: CAS3 in ignition switch: none		Read key information
ey number	Key ID	secret key	Configuration page	Key type	Status	Remote control ID	Remote control	Generate dealer key
1	9EC83519	6C5A2C2828F3	CEB9B5E8	pcf7936	Enable	D1CB	3E0171E154AC	Add key
2	B389E597	50BE0687C4A5	C85F7580	smart key	Enable	F71A	8B0EC6AB1A61	
3	DCC0839B	161F8077B53E	C8697B02	remote key	Enable	3DDD	3A043C7B9170	Sync ELV
4	FFFFFFF	73E065EF3E54	C8C50BC4	Unused	Enable	EB71	47CC99EE62F5	Recovery key bit
5	FFFFFFF	AB5F0B46E417	C8141A5D	Unusad	Enabla	2150	5A487E2F0B66	, , ,
6	FFFFFFF	CE67AFE5E7DE	C8				3BEF7887182B	Unlock key
7	FFFFFFF	FD65955EF727	C8 Whether	the currently p	rogrammed	key is a smart key.	5D0E32DC6F95	- 11 I
8	FFFFFFF	40B6B7B37738	C8-	it is, the key will	be locked!		151677CBD43E	Enable Key
9	FFFFFFF	87AB0E485F15	C8.	r			767F9DB61F7B	Disable key
10	FFFFFFF	2F263E4F0B08	С8	l	是(Y)	否(N)	9DB3C7329A48	
						-		Load key data
fety certifica ading data ad data suc curity certifica fety certifica ading key in	tion passed cessfully cation in prog tion passed iformation	gr ess gress					^	

It show programming key success

A CAS1-3	+key matc	hing Fea	ture Version:000B					- e ×
VIN: WBAVB5 Tooth code: H	6040ND2656 HA00009548	7 (I	Cas version number: 914 Remote control frequen	17226 cy: 315	Cas v Key i	version: CAS3 n ignition switch: none		Read key information
Key number	Key ID	secret key	Configuration page	Key type	Status	Remote control ID	Remote control	Generate dealer key
1	9EC83519	6C5A2C2828F3	CEB9B5E8	pcf7936	Enable	D1CB	3E0171E154AC	Add key
2	B389E597	50BE0687C4A5	C85F7580	smart key	Enable	F71A	8B0EC6AB1A61	
3	DCC0839B	161F8077B53E	C8697B02	remote key	Enable	3DDD	3A043C7B9170	Sync ELV
4	FFFFFFF	73E065EF3E54	C8C50BC4	Unused	Enable	EB71	47CC99EE62F5	Recovery key bit
5	FFFFFFF	AB5F0B46E417	C8141A5D	Unused	Enable	31FD	5A487E2F0B66	
6	FFFFFFF	CE67AFE5E7DE	C80FDAC9	Unused	Enable	9B59	3BEF7887182B	Unlock key
7	FFFFFFF	FD65955EF727	C8BD19BF	Unused	Enable	6827	5D0E32DC6F95	Contraction (Second
8	FFFFFFF	40B6B7B37738	C846AFB9	Unused	Enable	C276	151677CBD43E	Enable key
9	FFFFFFF	87AB0E485F15	C8A0F5DC	Unused	Enable	42C3	767F9DB61F7B	Disable key
10	FFFFFFF	2F263E4F0B08	C8B39D8B	Unused	Enable	9387	9DB3C7329A48	
<							>	Load key data
Reading data Read data suc Security certific Safety certifica Reading key info File save path Programming Programming	ccessfully cation in prog tion passed nformation succe s:D:/CGD1/ter key key success	gress rssfully mp/2020-12-28-19	-17-39 9147226 BackEE	PROM.BIN			~	Help

2.4 Click Add key

Choose same key position as step 2, then click Add key

😭 CAS1-3-	+key matc	hing Fea	ture Version:000B					- 6° ×
VIN: WBAVB5 Tooth code: H	6040ND2656 1A00009548	7 C	Cas version number: 914 Remote control frequen	\$7226 cy: 315	Cas v Key i	version: CAS3 in ignition switch: none	,	Read key information
Key number	Key ID	secret key	Configuration page	Key type	Status	Remote control ID	Remote control	Generate dealer key
1	9EC83519	6C5A2C2828F3	CEB9B5E8	pcf7936	Enable	D1CB	3E0171E154AC	Add key
2	B389E597	50BE0687C4A5	C85F7580	smart key	Enable	F71A	8B0EC6AB1A61	
3	DCC0839B	161F8077B53E	C8697B02	remote key	Enable	3DDD	3A043C7B9170	Sync ELV
4	FFFFFFF	73E065EF3E54	C8C50BC4	Unused	Enable	EB71	47CC99EE62F5	Recovery key bit
5	FFFFFFF	AB5F0B46E417	C8141A5D	Unused	Enable	31FD	5A487E2F0B66	
6	FFFFFFF	CE67AFE5E7DE	C80FDAC9	Unused	Enable	9B59	3BEF7887182B	Unlock key
7	FFFFFFF	FD65955EF727	C8BD19BF	Unused	Enable	6827	5D0E32DC6F95	Fooble key
8	FFFFFFF	40B6B7B37738	C846AFB9	Unused	Enable	C276	151677CBD43E	Enable Rey
9	FFFFFFF	87AB0E485F15	C8A0F5DC	Unused	Enable	42C3	767F9DB61F7B	Disable key
10	FFFFFFF	2F263E4F0B08	C8B39D8B	Unused	Enable	93B7	9DB3C7329A48	
<							>	Load key data
Read data suc Security certifica Safety certifica Reading key ir Read key infor File save path Programming Programming	cessfully cation in prog tion passed iformation mation succe ::D:/CGDI/ter key key success	jress :ssfully mp/2020-12-28-19	-17-39 9147226 BackEE	PROM.BIN			~	Help

Put your key into CGDI coil (You can keep it in the coil).then click ok

N: WBAVB: oth code: I	6040ND2656 HA00009548	57 Ca Re	s version number: 91472 mote control frequency:	315	Cas versi Key in igr	on: CAS3 iition switch: none		Read key informatio
y number	Key ID	secret key	Configuration page	Key type	Status	Remote control ID	Remote	Generate dealer ke
1	9EC83519	6C5A2C2828F3	CEB9B5E8	pcf7936	Enable	D1CB	3E0171E1	Add key
2	B389E597	50BE0687C4A5	C85F7580	smart key	Enable	F71A	8B0EC6AE	
3	73C7839B	161F8077B53E	C8697B02	remote key	Enable	3DDD	3A043C7E	Sync ELV
4	FFFFFFF	73E065EF3E54	C8C50BC4	Unused	Enable	EB71	47CC99EE	Recovery key bit
5	FFFFFFF	AB5F0B46E4	mpt			×	5A487E2F	necovery key bit
6	FFFFFFF	CE67AFE5E7		uu car kau into ti	he CCDI pro	arammer coil	3BEF7887	Unlock key
7	FFFFFFF	FD65955EF7		w car key into t	ne copi pro	grammer con	5D0E32D0	
8	FFFFFFF	40B6B7B377				OK	151677CB	Enable key
9	FFFFFFF	87AB0E485F	COAUFJUC	Unused	Citable	4203	767F9DB6	Disable key
10	FFFFFFF	2F263E4F0B08	C8B39D8B	Unused	Enable	9387	9DB3C732	
								Lunu key data
ung uata	erec fulle						>	
urity certifi ity certifica ding key i d key info	cation in pro ation passed nformation rmation succ	gress essfully 190729/Desktop/	333/2021-1-15-22-19-4	2 9147226 Bad	KEEPROM	BIN		

Then when it tip you write data successfully

ooth code: H	A00009548		Remote control frequen	cy: 315	Key in ignition switch: none			Read key information	
ey number	Key ID	secret key	Configuration page	Key type	Status	Remote control ID	Remote control	Generate dealer ke	
1	9EC83519	6C5A2C2828F3	CEB9B5E8	pcf7936	Enable	D1CB	3E0171E154AC	Add key	
2	B389E597	50BE0687C4A5	C85F7580	smart key	Enable	F71A	8B0EC6AB1A61		
3	DCC0839B	161F8077B53E	C8697B02	remote key	Enable	3DDD	3A043C7B9170	Sync ELV	
4	FFFFFFF	73E065EF3E54	C8C50BC4	Unused	Enable	EB71	47CC99EE62F5	Recovery key bit	
5	FFFFFFF	AB5F0B46E417	C8141A5D	Unused	Enable	31FD	5A487E2F0B66		
6	FFFFFFF	CE67AFE5E7DE	C80FDAC9	Unused	Enable	9B59	3BEF7887182B	Unlock key	
7	FFFFFFF	FD65955EF727	C8BD19BF	Unused	Enable	6827	5D0E32DC6F95		
8	FFFFFFF	40B6B7B37738	C846AFB9	Unused	Enable	C276	151677CBD43E	Enable key	
9	FFFFFFF	87AB0E485F15	C8A0F5DC	Unused	Enable	42C3	767F9DB61F7B	Disable key	
10	FFFFFFF	2F263E4F0B08	C8B39D8B	Unused	Enable	93B7	9DB3C7329A48		
						-		Load key data	
D is connect D is connect D KWP-CAI storing key curity certific fety certific curity certific	au ne car ke tring N 500kbps su bit cation in prog tion passed cation in prog	ry iccessfully connect gress gress	ed				^		
ecurity certificates afety certificates afety certificates and the second secon	tion in prog tion passed	gress						Help	

2.5 Learn your key in ignition switch

Then put your key into ignition switch to learn the key 30 secs .Then you read key information again , it will add succeed .CAS3 add key by OBD on bench

N: WBAVB5 oth code: H	6040ND2656 HA000 <mark>0</mark> 9548	7 (F	Cas version number: 914 Remote control frequen	47226 cy: 315	Cas Key i	version: CAS3 in ignition switch: 4		Read key information
y number	Key ID	secret key	Configuration page	Key type	Status	Remote control ID	Remote control	Generate dealer key
1	9EC83519	6C5A2C2828F3	CEB9B5E8	pcf7936	Enable	D1CB	3E0171E154AC	Add key
2	B389E597	50BE0687C4A5	C85F7580	smart key	Enable	F71A	8B0EC6AB1A61	Sync ELV
3	DCC0839B	161F8077B53E	C8697B02	remote key	Enable	3DDD	3A043C7B9170	
4	73C7839B	73E065EF3E54	C8C50BC4	remote key	Enable	EB71	47CC99EE62F5	Recovery key bit
5	FFFFFFF	AB5F0B46E417	C8141A5D	Unused	Enable	31FD	5A487E2F0B66	
6	FFFFFFF	CE67AFE5E7DE	C80FDAC9	Unused	Enable	9B59	3BEF7887182B	Unlock key
7	FFFFFFF	FD65955EF727	C8BD19BF	Unused	Enable	6827	5D0E32DC6F95	Enable key
8	FFFFFFF	40B6B7 <mark>B37738</mark>	C846AFB9	Unused	Enable	C276	151677CBD43E	
9	FFFFFFF	87AB0E485F15	C8A0F5DC	Unused	Enable	42C3	767F9DB61F7B	Disable key
10	FFFFFFF	2F263E4F0B08	C8B39D8B	Unused	Enable	93B7	9DB3C7329A48	
								Load key data
ety certifica ading data ad data suc urity certifica ety certifica ading key in ad key info	ccessfully cation in prog tion passed oformation rmation succe	gress issfully					î	

3. Youtube video link

CGDI BMW ~CAS1-3 add key on bench : https://youtu.be/gCMHUhqZXrw