BMW Key Programmer user manual

1. Handle EWS, firstly disconnect CPU 20pin with circuit board, please refer to the following pictures.



Then, handle well every pin of CPU, correctly put the IC socket

of BMW Key Programmer on 68HC11EA9 CPU. BMW Key Programmer support directly read out data and program key for EWS2 2D47J, EWS3 0D46J and EWS3+ 0D46J.

Plus, as for a small part of rare EWS2 1D47J and EWS3 2D47J, it needs related programmer to read out data, then to program key. (IMPORTANT NOTE: make sure not use BMW key programmer to read out the data of EWS3 2D47J)

2. Connect BMW KEY PROGRAMMER with computer, open operation software, as follows:



3. Click Select C 800000 to choose Quartc, select 614000 to read EWS2 2D47J; select 8000000 to read EWS3 0D46J and EWS3+ 0D46J.

4. Click Read EE EWS , then display EWS data that was read out, see the following picture.

0060:																		COM1 -	Stop
0070:									AO					DF	7B			,	
0080:				A4					D6 83							A7		BMW Key program-	
0090: 00A0:				. –					83 FF		D7 FF				04 FF			Divivo Key program	
DOBO:									rr 50						rr FF			Automat EWS	Key N 🗌
0000:									FF						08			select	
DODO:											FF				FF				
DOEO:									E8						FF				Load EE
DOFO:									FF		04				F7			D M 4	
D100:	82	EЗ	Α7	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF			Read EE EVVS
0110:	02	04	13	2 B	СВ	C9	DЗ	7B	ВE	D5	FF	FF	FF	FF	FF	FF			Save EE
D120:	FF	FF	FF	FF	FF	FF	FF	00	04	2 C	6A	01	40	03	00	00			
0130:	01	5D	00	1F	32	CC	FF	20	2 C	АЗ	5D	08	10	02	01	08			Program EE
0140:	C1	04	41	00	50	FF	FF	$\mathbf{F}\mathbf{F}$	FF	FF	FF	FF	$\mathbf{F}\mathbf{F}$	FF	$\mathbf{F}\mathbf{F}$	FF			
D150:	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF			
D160:	FF	FF	FF	FF	FF	FF			21		00	32	20	01	18	90		Progra	m key
D170:		70		A4					1C		4A			FF		FF			
0180:		FF				FF			02										
0190:						00			00					00		00		Select (C 614000
0140:						00			7F			21		00		FF			• 8000000
01BO: 01CO:		OO FF	UU FF			UU FF	00		FF FF	FF FF	FF FF	FF FF	FF FF	FF FF		FF FF		diddino .	0000000
D1D0:						rr FF			rr FF					rr FF		rr FF		🔲 Erase EEPRON	/I if lock present?
D1EO:						05			2C						C5			Select	
01FO:																			
		21	02	02	00				• •	••	••	••	••	••	• •	••	늰	Clear log	Save log
																	-		
						-													
5.	С	lid	ck			Sa	ve	EE											
- •	-									_									

6. Enter key position into Key N (From 0-9, it's 10 keys in total, if you don't want to erase the original car key, please enter the key from 3-9)

7. Put key or chip (PCF7930, 7931, 7935) into BMW KEY

PROGRAMMER key keyhole, see the picture as follows:



8. Click Program key to program key, it usually cost 30 seconds.
9. Programming OK Displays, once key is successfully

programmed.

0000:	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	02	04	41	08	C5	COM1 -	Stop
00D0:	8A	38	99	45	D7	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF		0.00
00E0:	FF	FF	02	04	82	92	АЗ	F4	E8	D1	63	84	FF	FF	FF	FF		
00F0:	FF	FF	FF	FF	FF	FF	FF	FF	FF	02	04	90	64	84	F7	56	BMW Key program	
0100:	82	EЗ	A7	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	Automat EWS	
0110:	02	04	13	2 B	СВ	С9	DЗ	7B	ΒE	D5	FF	FF	FF	FF	FF	FF		Key N <mark>7</mark>
0120:	FF	FF	FF	FF	FF	FF	FF	00	04	2 C	6A	01	40	03	00	00	select	
0130:	01	5D	00	1F	32	СС	FF	20	2 C	АЗ	5D	08	10	02	01	08		
0140:	С1	04	41	00	50	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	M	Load EE
0150:	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	2 2	Read EE EWS
0160:		FF	FF	FF	FF	FF	FF	5F	21		00	32	20	01	18	90		Reau LL LVV3
0170:		70	45	A4	53	10	10	01	1C	93	4A	FF	FF	FF		FF		Save EE
0180:		FF	FF	FF	FF	FF	FF	01	02	17	20	00	84	CE	~-	09		
0190:		4A		CE	00	00	00	00	00	00	00	00	00	00	00			Program EE
01A0:		00		00	00	00	00	FF	7F	00	00	21	00	00	00			
01B0:	7F	00	00	21	00	00		FF	FF	FF	FF	FF	FF	FF	FF	FF		1
0100:		FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	Progra	m key
01D0:	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF		
01E0:		FF	FF	FF		05			2C	6A		01		89	C5			
01F0:						U3	98	00	r r	r r	r r	r r	r r	FF	r r	r r	Select	0 614000
We have Conne			31	LEDI	rom													· 8000000
Progra																		
End M			ase	= W8	arc.	• • •											🔲 Erase EEPROM	I if lock present?
Read (-	2164		No.	i +											Select	
Progra		•		20E	wa.	10.	•										Delect	

10. Welding well CPU 20PIN with circuit board

11. Put EWS into the car, use the cloned key to turn on ignition, do not start, wait about 20 seconds, turn off ignition, don't take out key, restart, now all is ok!

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