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:						OE								DF	7B				
0080:				A4		00 84										A7		BMW Key program-	
0090: 00A0:				. –		84 4C					D7 FF				04 FF			Divitor Rey program	
DOBO:									rr 50						rr FF			Automat EWS	Key N 🗌
0020:						FF							04					select	
DODO:											FF				FF			501000	
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 EWS
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	FF	$\mathbf{F}\mathbf{F}$	$\mathbf{F}\mathbf{F}$	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		Program	n key 🔰
D170:		70		A4					1C		4A			FF		FF			
0180:		FF				FF							84						
0190:						00			00					00		00		Select O	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		adanto	0000000
D1D0:						rr FF			rr FF					rr FF		rr FF		🗖 Erase EEPROM	if lock present?
D1EO:						05			2C						C5			Select	
D1FO:																			
		21	02	02	00				• •	••	••	••		••	• •	••		Clear log	Save log
																	-		
						-													
5.	С	lic	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 seco	onds.	
9. Programm	ing OK Displays	s, once key is successfully

programmed.

0000:	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	02	04	41	08	C5	COM1 -	Stop	
0000:	88	38	99	45	D7	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF		Otop	
00E0:	FF	FF	02	04	82	92	АЗ	F4	E8	D1	63	84	FF	FF	FF	FF			
OOFO:	FF	FF	FF	FF	FF	FF	FF	FF	FF	02	04	90	64	84	F7	56	BMW Key program	h	
0100:	82	ЕЗ	Α7	$\mathbf{F}\mathbf{F}$	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	Automat EM/S		
0110:	02	04	13	2 B	CB	С9	DЗ	7B	ΒE	D5	FF	FF	FF	FF	FF	FF	Automat EWS	🖁 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	2C	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	0 2	Read EE EVVS	
0160:	FF	FF	FF	FF	FF	FF	FF	5F	21	00	00	32	20	01	18	90		Read EE EVVa	
0170:	45	70	45	A4	53	10	10	01	1C	93	4A	FF	FF	FF	FF	FF		Save EE	
0180:	FF	FF	FF	FF	FF	FF	FF	01	02	17	20	00	84	CE	81	09			
0190:	02	4A	03	CE	00	00	00	00	00	00	00	00	00	00	00	00		Program EE	
01A0:	00	00	00	00	00	00	00	FF	7F	00	00	21	00	00	00	FF			
01BO:	7F	00	00	21	00	00	00	FF	FF	FF	FF	FF	FF	FF	FF	FF			
01CO:	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	Program key		
01DO:	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF			
01E0:	FF	FF	FF	FF	23	05	02	00	2C		01	01		89		9F			
01F0:						СЗ	98	00	FF	FF	FF	FF	FF	FF	FF	FF	Select	C 614000	
We hav			3 1	EEpı	com												Quarto	 8000000 	
Connec																	Quanc	000000	
Progra			ease	2 W8	ait.	•••											Erase EEPR	OM if lock present?	
End W		-																presont.	
Read (chij	p. 1	Plea	ase	Wa:	it.	•										Select		

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!