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Home Getting Started - Coding E90



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1. The Hardware

If you have an interest in programming your E90 BMW vehicle, there are 2 important hardware components are you are doing to need:

 Computer (Laptop Recommended) We recommend that the computer you use has a Windows XP 32bit operating system (OS) installed. Although, others have reported to get the software needed to program BMW E90

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vehicles to work on Windows 7 and above OSs as well as 64bit OSs, but most users have the most programming success using the recommended OS (Win XP 32bit).

2. USB-OBD2 Cable



Obviously you need a way to connect your computer to your BMW vehicle. The cable we recommend for accomplishing this is the BMW INPA / Ediabas K+DCAN USB Interface over at One Stop Electronics. There are cheaper cables out there, but sometimes you get what you pay for, and when programming a car that probably cost you thousands, it is worth spending the extra cash to invest in a reliable cable.

2. The Software

The 3 programs below are needed or recommended for coding your BMW E90 car:

- NCSExpert (Version: 3.1.0 with Daten Files Version: 51.2 or above)
- Inpa (Version: 5.0.2)
- Ediabas (Version: 7.2.0)

The following text editor program is optional but recommended, and is what will be used in some of our tutorials:

• Notepad++

We recommend buying cj83lex's Everything You Need To Code Your BMW package for \$5.00. You will probably want to go ahead and grab the latest data files addition he has for \$10.00 extra. So for a total of \$15.00 you will have everything you need software wise to program your BMW E90 car. Note, everything that he does provide in the package you can find around the internet, but it can take a lot of time to gather up the right software versions as well as finding download links to the software that are still active.

NCSExpert	Inpa		
	пра	Ediabas	
NCCEvport in		that is used to read and write new parameters to your car	
	1 0	that is used to read and write new parameters to your car.	
NCSExpert w	ill be the r	nain program you use to code your car. Helpful link to learn	

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iDrive
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CIC idrive radio frequenciesasked

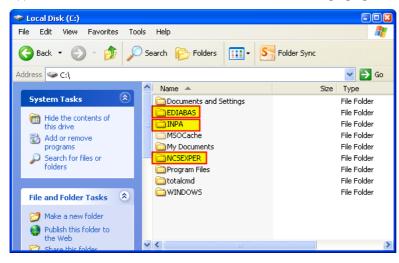
3. Setting Up The Coding Environment

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The next thing we need to do is to get your computer's programming environment setup. For most, setting up the environment is usually the toughest part. But after your computer is setup, the rest is really straight forward.

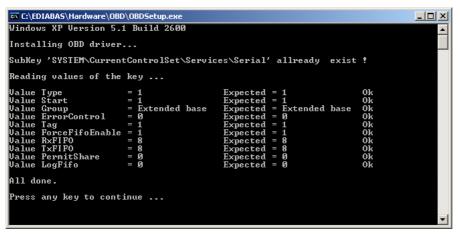
Step: 1 - C Directory Configuring & OBD Setup

• Unzip the "**NCSEXPER.rar**" file, and place the 3 folders (EDIABAS, INPA, and NCSEXPER) inside the zipped file in the C:\ folder. Your C:\ folder should have the following highlighted folders added:



- Navigate to C:\INPA\BIN
 - Right click on INPALOAD.exe and create a shortcut to desktop
- Navigate to C:\NCSEXPER
 - Create a shortcut to your desktop of the "WORK" folder
- Navigate to C:\NCSEXPER\BIN
 - Create a shortcut to desktop of "NCSEXPER.EXE"
- Navigate to C:\EDIABAS\Hardware\OBD and run the OBDSetup.exe. Your screen will look something like the image below. Since I have ran this script previously, it might look a little different the first time you run it. Press any key to close the window, and then restart your

computer!



Step: 2 - Setting Up Environment Variables

- Go to System Properties (click the start button, and right click on My Computer and click Properties)
 - 1. Click on the Advanced tab

Users Online

Users Online: **1016 U** Most Users Ever Onlir 2. Click on Environment Variables

System Propert	ies				?
System Re	System Restore Automatic Updates			Remote	
General	Compu	uter Name	Hardware	•	Advanced
You must be lo	ogged on as	s an Administral	tor to make mo	ost of the:	se changes.
- Performance					
Visual effects	, processor	scheduling, m	emory usage, a	and virtua	al memory
				S	ettings
CUser Profiles:					
	nas related	to your logon			
Deskiop seu	nys relateu	to your logon			
				S	ettings
Startup and F	Recovery				
System startu	ip, system f	ailure, and deb	ugging informa	tion	
				_	
				S	ettings
	Er	vironment Vari	ables	Error Re	porting
		OK		ancel	Apply

3. Under System variables, highlight "Path" and click edit

Env	ironment Variabl	25	? 🔀
	Jser variables for Ad	Iministrator	
	Variable	Value	
	TEMP	C:\Documents and Settings\Administrat	
	TMP	C:\Documents and Settings\Administrat	
		New Edit Delete	
		New Edit Delete	
	öystem variables		
	Variable	Value	<u>~</u>
	FP_NO_HOST_C		
	NUMBER_OF_P OS	2 Windows NT	-
	Path	C:\Program Files\Rockwell Software\RS	
	PATHEXT	.COM;.EXE;.BAT;.CMD;.VBS;.VBE;.JS;	×
		New Edit Delete	
		OK Cano	el

4. Add the following to the end of the Variable value: **;C:\ediabas\bin**

Edit System Variabl	e 🛛 🛛 🕄
Variable name:	Path
Variable value:	öQL Server\100\DTS\Binn <mark>\;C:\ediabas\bin</mark>
	OK Cancel

5. Click **OK**. You can then close out of all the open windows and return to your desktop.

S1	tep: 3 – USB Interface Configuring
For this ste	p, I am assuming you have the BMW INPA / Ediabas K+DCAN USB
Interface of	cable mentioned above under the Hardware section. If not, the following steps may not
apply to you	u, and a different configuration may be needed to properly setup communication to your

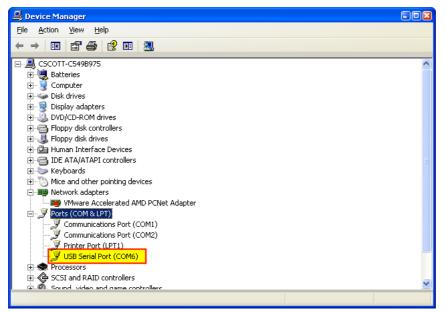
• From desktop, press the **WINDOWS KEY + R** and type **devmgmt.msc** and click OK.

http://codinge90.com/getting-started/#S5

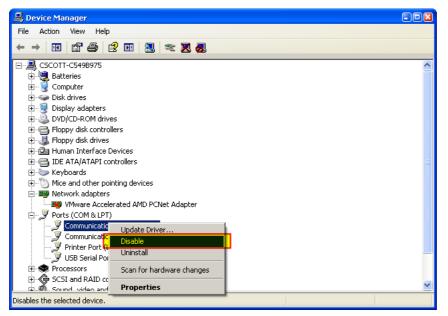
car.

Run		20
-		of a program, folder, document, or e, and Windows will open it for you.
Open:	devmgmt.msc	~
		Cancel Browse

- After clicking OK, Device Manager will open
 - 1. Expand the **Ports (COM & LPT)** section and plugin your USB Interface cable into your computer.
 - 2. You should then notice a new device show up called USB Serial Port (COM*). For my computer, since COM1 and COM2 were already in use, my computer automatically assigned the device to COM6. Since INPA and NCS Expert are by default setup to use COM1 to communicate with the vehicle, we will need to change the assigned port to COM1. Note, there is a way to change the communication port INPA and NCS Expert uses to communicate to your car, but I find it easier to just assign the USB Interface cable to COM1.



3. Since in my case COM1 is already being used by something else, I needed to Disable that device from using that communication port. Right click Communications Port (COM1) and click on Disable.



4. Now we need to make some changes to the USB Serial Port. Right click on USB Serial Port, and click on Properties.

🚇 Device Manager	
File Action View Help	
Disk drives Display adapters Display adapters Display adapters Display adapters Display adapters Display disk controllers Display disk drives Display drite Display drives Display drives Displa	111 (S)
Processors Update Driver Update Driver Disable Disable Universal Serial Bus control Scan for hardware changes	
Opens property sheet for the current section	<u>~</u>

- 5. Click on the Port Settings tab, and verify the following values are as follows:
 - Bits per second: 9600
 - Data bits: 8
 - Parity: None
 - Stop bits: 1
 - Flow control: None

6. Click the **Advanced** button

USB Serial Port (COM6) Properties	? 🛛
General Port Settings Driver Details	
Bits per second: 9600 Data bits: 8 Parity: None Stop bits: 1	
Flow control: None	~
Advanced Restore D	efaults
ОК	Cancel

7. Change COM Port Number to **COM1**

Advanced Settings for COM6			23
COM Port Number:	COM6 COM1 T	~	ОК
USB Transfer Sizes Select lower settings to corre	COM2 (in use) COM3 (in use)	d rates.	Cancel
Select higher settings for fas	COMO		Defaults
Receive (Bytes):	COM7 COM8 COM9		
Transmit (Bytes):	COM10 COM11 COM12		
BM Options	COM13 COM14	Miscellaneous Options	
Select lower settings to corre	COM15 COM16 COM17	Serial Enumerator	✓
Latency Timer (msec):	COM18 COM19	Serial Printer	
Timeouts	COM20 COM21 COM22	Event On Surprise Removal	
Minimum Read Timeout (mse	COM23 COM24	Set RTS On Close	
Minimum Write Timeout (mse	COM25 COM26 COM27	Disable Modem Ctrl At Startup	
	COM28 COM29		

8. Change **Latency Timer** (msec) to **1** and click the OK button and exit out of Device Manager and return to the Desktop.

Advanced Settings for COM6			2 🔀
COM Port Number:	COM1	*	ОК
USB Transfer Sizes Select lower settings to corre	ect performance problems a	at low baud rates.	Cancel
Select higher settings for fas	ter performance.		
Receive (Bytes):	4096 💌		
Transmit (Bytes):	4096 💌		
BM Options		Miscellaneous Options	
Select lower settings to corre	ect response problems.	Serial Enumerator	
Latency Timer (msec):	16 💌	Serial Printer	
		Cancel If Power Off	
Timeouts	34	Event On Surprise Removal	
Minimum Read Timeout (mse	c): 7	Set RTS On Close	
Minimum Write Timeout (mse	c): 7 8 9	Disable Modem Ctrl At Startup	
	10		

9. Plug your USB Interface cable into your car if you have not done so already. Do not start your car just yet. Next, open up the INPALOAD.EXE program located on your Desktop.

I recommend keeping a battery charger attached to the car's battery, since the following steps require the ignition to be on to work correctly.

Step: 4 - Using INPA

INPA is a great tool to use to verify that your car is correctly communicating with your computer. Again, INPA is only a diagnostics program used to check the conditions for different parts of the car. For now, we only care to use it to make sure there are no communication problems and our USB Interface cable is working.

1. When the program opens, you should see 2 circles. One for Battery, and the other for Ignition. At this point, if you have not turned on your car's ignition, only the Battery circle should be solid black.

About	- Loader: BMW	Diagnosis Progra	m Version 5.00)					
° BN	MW Di	agnosi	s Prog	gram					
ŀ	Batte	ry : 🌑	on		lgn	ition	: ()	off	
	< F1 > Ini	formation			<shift< th=""><th>t> + < F1 ></th><th>Change E</th><th>ditor</th><th></th></shift<>	t> + < F1 >	Change E	ditor	
	< F2 > E8	7			<shift< th=""><th>t> + < F2 ></th><th>Mini R50</th><th></th><th></th></shift<>	t> + < F2 >	Mini R50		
	< F3 > E4	6			<shift< th=""><th>t> + < F3 ></th><th>Special te</th><th>sts</th><th></th></shift<>	t> + < F3 >	Special te	sts	
	< F4 > E6	0							
	< F5 > E6	5			<shift< th=""><th>t> + < F5 ></th><th>Rolls Roy</th><th>ce RR1</th><th></th></shift<>	t> + < F5 >	Rolls Roy	ce RR1	
	< F6 > E8	5							
	< F7 > E8	3							
	< F8 > E5	3							
	< F9 > E9	0			<shift< th=""><th>t> + < F9 ></th><th>Old mode</th><th>lls</th><th></th></shift<>	t> + < F9 >	Old mode	lls	
< F10> End <\$hift> + < F10> Exit									
RUNNI	NG			Select	menu				
F1		F3	F4	F5	F6	F7	F8	F9	F10
Inf	o E87	E46	E60	E65	E85	E83	E53	E90	End

2. Turn on your car's ignition but do not start the car's engine. After doing so, in INPA, the Ignition circle should turn solid black.

🚱 INPA - Loader: BMW Diagnos	is Program Version 5.00						🛛	
About								
BMW Diagr	nosis Prog	ram						
° Battery :	🌒 on		lgn	ition	: ●	on		
< F1 > Informat	ion		<shift< td=""><td>t> + < F1 ></td><td>Change I</td><td>Editor</td><td></td></shift<>	t> + < F1 >	Change I	Editor		
< F2 > E87			<shift< td=""><td>t> + < F2 ></td><td>Mini R50</td><td></td><td></td></shift<>	t> + < F2 >	Mini R50			
< F3 > E46			<shift< td=""><td>t> + < F3 ></td><td>Special t</td><td>ests</td><td></td></shift<>	t> + < F3 >	Special t	ests		
< F4 > E60								
< F5 > E65				<shift> + < F5 > Rolls Royce RR1</shift>				
< F6 > E85								
< F7 > E83								
< F8 > E53								
< F9 > E90			<shift< td=""><td colspan="5"><shift> + < F9 > Old modells</shift></td></shift<>	<shift> + < F9 > Old modells</shift>				
< F10> End				<shift> + < F10> Exit</shift>				
RUNNING		Select	menu					
F1 F2	F3 F4	F5	F6	F7	F8	F9	F10	
Info E87	E46 E60	E65	E85	E83	E53	E90	End	

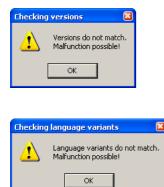
3. Next we need to tell INPA what type of car we are dealing with. Press F9 for the E90 menu.

Dinpa - Loa	ider: BMW Diag	nosis Progra	m Version 5.00							
0	N Dia	gnosi	s Prog	Iram						
• E	Battery	: ●	on		lgn	ition	: ●	on		
<	F1 > Inforn	nation			<shif< td=""><td>t> + < F1 ></td><td>Change</td><td>Editor</td><td></td></shif<>	t> + < F1 >	Change	Editor		
<	F2 > E87				<shif< td=""><td>t> + < F2 ></td><td>Mini R50</td><td>)</td><td></td></shif<>	t> + < F2 >	Mini R50)		
<	F3 > E46				<shif< td=""><td>t> + < F3 ></td><td>Special t</td><td>ests</td><td></td></shif<>	t> + < F3 >	Special t	ests		
<	F4 > E60									
<	< F5 > E65					<shift> + < F5 > Rolls Royce RR1</shift>				
<	F6 > E85									
<	F7 > E83									
<	F8 > E53									
<	F9 > E90				<shif< td=""><td>t> + < F9 ></td><td>Old mod</td><td>ells</td><td></td></shif<>	t> + < F9 >	Old mod	ells		
<	F10> End				<shif< td=""><td>t> + < F10></td><td>Exit</td><td></td><td></td></shif<>	t> + < F10>	Exit			
RUNNING				Select	menu					
F1	F2	F3	F4	F5	F6	F7	F8	F9	F10	
Info	E87	E46	E60	E65	E85	E83	E53	E90	End	

4. On the Scrip selection popup window, select **Karosserie**, and in the second window pane, double click **Airbag**.

Select E90 V1.27	Agency Module (Police Fire Department
Engine	Airbag 📃
Transmission	Air Conditioning / Control Panel
Chassis	Air Conditioning / Park Heating Via
Karosserie 📐	Alarm System 🔪
Seat Moduces	Alarm System / DW rirens And Tilt Se
Communication Syste	
	Car Access System
111	Convertible Soft Top Module
	Central Control Unit ZBE
	Footwell Module Driver FRM 87
	Instrument Cluster
	Junction Box Passenger
	Sunction box rassenger
	Park Distance Control
	Passive Go System
	Rain And Light Sensor
	Roof / Function Center

If you receive a "**Versions do not match**" and "**Language variants do not match**" error, everything is usually fine. According to some, it has something to do with the newer version of EDIABAS. If you do not receive any errors, that is fine as well.



5. Normally, if you did not receive any errors after clicking on Airbags, or if you received the 2 errors mentioned above, most would say you are ready to move on to using NCS Expert. However, just as a precaution, let's verify we do not receive any errors if we check the state of

our seat beat buckles. This test will only work if you do not have any seat belt buckle issues already. So I'm assuming your seat belts are in working condition.

- 6. Unbuckle any buckled seat belts in the car
- 7. In INPA, click the Status (F5) button.

🕄 INPA - Loader: Airbag E8x,	E9x Version 1	.040						
About								
• Main menu	I							
o BMW part number	: 91844	32		Date of r	nanufacture	e: 10.10.20	08	
< F1 > Informa	ation			<shift< th=""><th>!> + < F1 ></th><th>Change E</th><th>ditor</th><th></th></shift<>	!> + < F1 >	Change E	ditor	
< F2 > Identific	cation							
< F4 > Error m < F5 > Read st								
< F7 > Read m	nemory							
< F8 > Select				<shift< th=""><th>t> + < F8 ></th><th>Deselect</th><th></th><th></th></shift<>	t> + < F8 >	Deselect		
< F9 > Print so	creen							
< F10> End <\$hift> + < F10> Exit								
RUNNING			Main	menu				
F1 F2	F3	F4	F5	F6	F7	F8	F9	F10
Info Ident		Error	Status		Memory	Select	Print	End

8. Click the Buckle (F5) button

🕙 INPA - Loader: Airbag E8x, E9x Version 1.0	140									
About										
Read status Airbag E8x, E9x										
< F2 > Ignition Circuits										
<f3> Sensors</f3>										
< F4 > Seat Occupancy	< F4 > Seat Occupancy									
< F5 > Buckles										
< F6 > Passenger Off Swi	itch (PO	S)								
< F8 > Select			<shif< td=""><td>t> + < F8 ></td><td>Deselect</td><td></td><td></td></shif<>	t> + < F8 >	Deselect					
< F9 > Print screen										
< F10> End	< F10> End <\$hift> + < F10> Exit									
RUNNING		Read	status							
F1 F2 F3	F4	F5	F6	F7	F8	F9	F10			
ition Circu Sensors	Seat	Buckle	POS		Select	Print	Back			

9. You should now be on a Buckles screen that has several sections with circles. We are going to only focus on the Driver's buckle for this test. If you are following this guide step by step, the Buckle plugged should read "no" and Buckle attached should read "yes" with a solid black circle.

DINPA - Loader: Airbag E8 About	, E9x Version 1.040			
° Buckles				
Driver:			Passenger	
Buckle plugged	: 🔿 ^{no}		Buckle plugged	: () ^{no}
Buckle attached	: 🌒 yes		Buckle attached	: 🔴 yes
Gurtschloss Fehler	: 🔿 ^{no}		Gurtschloss Fehler	: () ^{no}
left rear:			right rear:	
Buckle plugged	: () ^{no}		Buckle plugged	: () ^{no}
Buckle attached	: () ^{no}		Buckle attached	: () ^{no}
Gurtschloss Fehler	: 🔿 ^{no}		Gurtschloss Fehler	: 🔿 no
	50 54	Read		F0 F0 F10
F1 F2	F3 F4 Sensors Seat	F5 Buckle	F6 F7	F8 F9 F10 elect Print Back

10. On the driver side of the car, buckle the seat belt into the buckle. After doing so, in INPA, the Buckle plugged should read "yes" with a solid black circle.

DINPA - Loader: Airbag E8:	s, E9x Version 1.040			
° Buckles				
•				
Driver:			Passenge	er:
Buckle plugged	: 🔴 yes		Buckle plugged	: () no
Buckle attached	: 🔴 yes		Buckle attached	: 🌒 yes
Gurtschloss Fehler	: 🔿 no		Gurtschloss Fehler	: () ^{no}
left rear:			right rear	:
Buckle plugged	: () no		Buckle plugged	: () ^{no}
Buckle attached	: 🔿 ^{no}		Buckle attached	: 🔿 ^{no}
Gurtschloss Fehler	: 🔿 no		Gurtschloss Fehler	: () ^{no}
RUNNING F1 F2	F3 F4	Read : F5	status F6 F7	F8 F9 F10
ition Circu	Sensors Seat	Buckle	POS	Select Print Back

- 11. If you received no errors while performing the seat buckle test, congratulations! You are now successfully communicating with your car and ready to move on to using NCS Expert. Again, INPA is a great tool to use to make sure the communication between the car and your computer is working correctly before using NCS Expert.
- 12. Close INPA and start NCSEXPER.EXE located on the Desktop.

Step: 5 – Using NCS Expert

For this step, we will create a new profile in NCS Expert which will be what you will use for most of your coding in the future. Also, just to get your hands wet for the first time, I will show you how to code/activate the famous BC Digital Velocity feature for the car.

Do not skip any of the following steps. AGAIN, **do not, do not, do not skip any of the following steps**. Doing so leads to the risk of you screwing up your car from starting or worse. If you receive any errors from NCS Expert at anytime, STOP moving forward in this guide and recheck your steps or try Googling the problem you are having.

1. When you open NCS Expert, you should be presented with a window that looks like the following:

RINCS-Expertentool	- no profile loaded				
File View Help					
	CHASSIS:			Nrcl-No.:	
	FG			1101110	
	GM				
	SA				
	VN				
,					
F1	50				
F1	F2	F3	F4	F5	F6
Ready					NUM

2. Click File, and then click on Load Profil

	ol - no profile loaded				_ 🗆 🗵
File View Help Load Profil Edit Profil Save Profil Save Profil as Exit	CHASSIS: PG GM SA VN			Nrcl-No.:	
F1 , Load new profil	F2	F3	F4	F5	F6

3. Choose the Expertmode profile and then click the OK button. Note, the list of profiles you have to select from may be different than mine. That is fine. If you do not have an Expertmode profile, you need to retain a copy before moving on.

4. Click File, and then click on Edit Profil, and for the Password, input the following and click the OK button: **repxet**

9"NCS-Expertentool - Expertmode	_ 🗆 🗵
File View Help	
Load Profil Edit Profil Save P	
Exit	
F1 F2 F3 F4 F5 F6 VIN/ZCS/FA CHASSIS Choose ECU	
Edit actual profil	им 📃
Enter password Password = repxet	
Password: Cancel	

5. In the Profile editor popup window, click on the Car-Keymemory button and make sure all 3 boxes are checked on the Car Memory popup window and then click the OK button.

Profile editor		<u> </u>
Applic		FG/ZCS/FA/Baureihe
Verifikation		ASW ASW-Trace = ON
\$GET-Data	sGET CV	T FSW/PSW
	Coding Nettodata-Trace = ON	FSW-/PSW-Trace = ON
Car,Keymemory	<u> </u>	Profile info
consistenc	e check OK	Cancel

Car Memory	×
Car/Key Memory:	
Function button:	
Trace individualizable FSW-/PSW	
OK Cancel	1

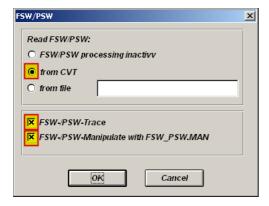
6. Click on the consistence check button, and you should receive a popup Info window that says "konsistence check OK". If so, click the OK button on the popup window.

Profile editor	×
Applic ZCSUT ZST	- FG/ZCS/FA/Baureihe
Verifikation	ASW ASW-Trace = ON
SGET-Data	FSW/PSW FSW-/PSW-Trace = ON
Coding Car-,Keymemory Car/Key Memory	Profile info
consistence check OK	Cancel
Info	

7. Click on the FSW/PSW button, and verify the from CVT option is selected, and check both boxes for FSW-/PSW-Trace and FSW-/PSW-Manipulate with FSW_PSW.MAN. Next click the OK button.

Profile editor		x
Applic	FG/ZCS/FA/Baureihe	
Verifikation	ASW ASW-Trace = ON	
\$GET-Data	SGET CVT FSW/PSW FSW-PSW-Trace = ON Coding	
Car-,Keymemory Car/Key Memory	Nettodata-Trace = ON Profile info	
consisten	ce check OK Cancel	

ОК



8. Click on the consistence check button again, and you should receive a popup Info window that says "konsistence check OK". If so, click the OK button on the popup window.

Profile editor		×
		- FG/ZC\$/FA/Baureihe
Verifikation		ASW ASW-Trace = ON
SGET-Data	SGET CV	FSW/PSW FSW-/PSW-Trace = ON
Car-,Keymemory Car/Key Memory	Nettodata-Trace = ON	Profile info
consistence	e check OK	Cancel
Info X konsistence check OK		

9. Click on the OK button to close the Profile editor.

OK

Profile editor		×
Applic		- FG/ZC\$/FA/Baureihe
Verifikation		ASW ASW-Trace = ON
SGET-Data		FSW/PSW FSW-/PSW-Trace = ON
Car-,Keymemory Car/Key Memory Consistence	Coding Nettodata-Trace = ON	Profile info Cancel

10. Click File, and then click on Save Profil as. Change the File name to **FZG2.PFL**, and make sure the File name does not already exist in the select pane below it. Also make sure the PFL folder is selected in the Folders select pane. Then click the OK button.

Save As		<u>?</u> ×
File name: SEXPERVFLVFZG2 PFL DEFTRC_F.PFL FZG.PFL FZG.PFL FZG.2CS2 PFL FZG3.PFL FZG4.PFL GZG2.PFL ▼	Eolders: c:\ncsexper\pfl Control c:\ Control NCSEXPER	Cancel Network
Save file as type: Profiles (*.pfl)	Dri <u>v</u> es: E c:	•

11. Click File, and then click Edit Profil, and enter the same password (repxet) as before. Next click the Profile info button and change Profile name to **FSW PSW MAN** and then click the OK button. Then click the OK button to close the Profile editor window.

Profile editor		X
Αρρίις		FG/ZC\$/FA/Baureihe
Verifikation		ASW ASW-Trace = ON
SGET-Data	SGE7 C	VT FSW/PSW FSW-/PSW-Trace = ON
Car-,Keymemory Car/Key Memory	Nettodata-Trace = ON	Profile info
consistence	e check	Cancel
Profile info		×

Profile format	2.0
Profile filename:	C:\NCSEXPER\PFL\FZG2.PFL
Profile name:	FSW PSW MAN
Profile comment:	ZCS bei Änderung schreiben in alle SG mit ZCSUT
Available till:	Day: Month: Year:
۵	OK Cancel

12. Click File, and then click Save Profil.

File View Help	ol - FSW PSW MAN				
Load Profil Edit Profil Save Profil Save Profil as Exit	CHASSIS: FG FA			Nrcl-No.:	
F1 VIN/ZCS/FA	F2 CHASSIS	F3 Choose ECU	F4	F5	F6
Save actual profi	1				

- 13. To sum of what we just did, we have just now created a profile that will write information to the car from a .MAN file that will be located in our NCS Expert WORK folder. We will get to that in a minute. The most important point here is, in the future when you start NCS Expert, you need to load the FSW PSW MAN profile instead of the Expertmode profile. If you click File, and then click on Load Profil, you will notice the new profile (FSW PSW MAN) you just created is now listed as an option to select.
- 14. After you load the profile, you will see new options to select from under F1, F2, and F3.

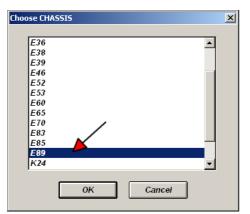
91 NCS-Expertentool -	FSW PSW MAN				_ 🗆 ×
File View Help					
	CHASSIS:			Nrcl-No.:	
	FG FA				
	50	52	54		50
F1 VIN/ZCS/FA	F2 CHASSIS	F3 Choose ECU	F4	F5	F6
Ready					

15. Press F1 or click the VIN/ZCS/FA button.

9 NCS-Expertentoo	I - FSW PSW MAN				
File View Help					
	CHASSIS: FG FA			Nrcl-No.:	
	F2 CHASSIS	F3 Choose ECU	F4	F5	F6

16. Press F3 to choose the CHASSIS for the vehicle. I am going to assume you are trying to code an BMW E90 vehicle, so in the pop-up window, choose E89 from the list and press the OK button. We are basically telling what type of vehicle we are working with. Another window will pop-up after clicking OK, and from that window, choose CAS for the ECU and press the OK button. We need to choose the ECU so NCS Expert can retreive the car's VIN number and Vehicle Order (VO) so that it knows what parameters to use to program the car.

File View He	tentool - FSW PSW MAN				<u>_ </u>
	CHASSIS: FG FA			Nrcl-No.:	
F1	F2	F3	F4	F5	F6
Enter Z0 Ready	CS Enter FA	ZCS/FA f		Open file	Back NUM



Choose ECU	×
	_
CAS FRM	
NFRM	
OK Cancel	
OK Cancel	

17. In NCS Expert, you will notice beside **FG is the VIN number** and **FA contains the VO for the vehicle**. The FA string can be changed if needed, but we will not get into that in this guide. To learn more about how to change the FA click here.

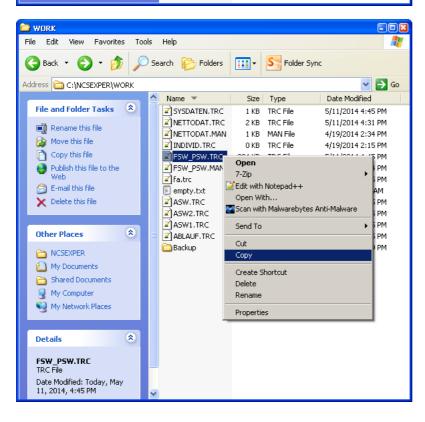
99 NCS-Expertentool - FSW PSW MAN			
File View Help			
	E90 (E89)	Nrcl-No.:	017605jd
FG FA 🗡	E90_#0908&LCSW%0668*PM77\$1CA\$20		
Your VIN#	/		
	Your Vehicle Order (VO)		
F1 F2	F3 F4	F5	F6
Enter ZCS Enter FA	ZCS/FA f. ECU	Open file	Back
Ready			NUM

18. Press the F6 button or click the Back button. Note, the Function buttons may be grayed out for a few seconds. When you press the Back button, NCS Expert is reading all the values from every module in the vehicle and storing them in a FSW_PSW.TRC file located in the NCS Expert WORK folder. It does this automatically, and will overwrite the file if it already exists.

			I - FSW PSW MAN					_ 🗆 X
File	View	Help						
			CHASSIS: FG	E90 (E89)		Nrcl-No.:	017605jd	
			FA	E90_#0908&LCSW	%0668*PM77\$1CA\$2	20		
						\		
	F	1	F2	F3	F4	F5	F6	
	Ente	r ZCS	Enter FA	ZCS/FA f. ECU		Open file	Bacl	<
Re	ady							JM

19. Open your NCS Expert WORK folder (you should have a shortcut on your desktop to the folder). As mentioned before, you should notice a file in your work folder called FSW_PSW.TRC. This file was automatically created or updated by NCS Expert. A common practice is to make a backup of this file each time you plan to make coding changes to a module in the car. I normally have a folder inside the WORK folder called Backup, and I place all my backups in that folder. So copy the FSW_PSW.TRC file and paste it in the Backup folder or somewhere else on your computer in case you need to restore your settings.

🚞 WORK				
File Edit View Favorites Tools	Help			~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
🔇 Back 🔹 🕥 🕤 🥬 🔎 S	earch 🧭 Folders	•	S Folder Sync	:
Address 🗁 C:\NCSEXPER\WORK				🖌 🄁 Go
	Name 💌	Size	Туре	Date Modified
File and Folder Tasks 🔹 🖄	SYSDATEN.TRC	1 KB	TRC File	5/11/2014 4:45 PM
🧭 Make a new folder	NETTODAT.TRC	2 KB	TRC File	5/11/2014 4:31 PM
Publish this folder to the	NETTODAT.MAN	1 KB	MAN File	4/19/2014 2:34 PM
Web	INDIVID.TRC	0 KB	TRC File	4/19/2014 2:15 PM
Share this folder	FSW_PSW.TRC	234 KB	TRC File	5/11/2014 4:45 PM
	FSW_PSW.MAN	234 KB	MAN File	5/11/2014 4:44 PM
	🗾 fa.trc	1 KB	TRC File	5/11/2014 4:45 PM
Other Places 🔹	🗐 empty.txt	0 KB	Text Document	9/9/1999 9:19 AM
	ASW.TRC	1 KB	TRC File	5/11/2014 4:45 PM
CSEXPER	ASW2.TRC	0 KB	TRC File	5/11/2014 4:45 PM
My Documents	ASW1.TRC	1 KB	TRC File	5/11/2014 4:45 PM
🛅 Shared Documents	ABLAUF.TRC	1 KB	TRC File	5/11/2014 4:45 PM
😡 My Computer	🚞 Backup		File Folder	4/19/2014 1:49 PM
My Network Places				
3				
Details 🙁				
WORK File Folder				
Date Modified: Saturday, April 19, 2014, 2:54 PM				



🗁 WORK									
File Edit View Favorites Tools	Help			A					
🕞 Back 🔹 🕥 🕤 🏂 🔎 Se	arch 🔂 Folders	•	S Folder Syna	:					
Address 🛅 C:\NCSEXPER\WORK	Address 🛅 C:\NCSEXPER\WORK 🛛 💽 Go								
	Name 💌	Size	Туре	Date Modified					
File and Folder Tasks 🔹 🔕	SYSDATEN.TRC	1 KB	TRC File	5/11/2014 4:45 PM					
Rename this folder	NETTODAT.TRC	2 KB	TRC File	5/11/2014 4:31 PM					
🙀 Move this folder	NETTODAT.MAN	1 KB	MAN File	4/19/2014 2:34 PM					
~	INDIVID.TRC	0 KB	TRC File	4/19/2014 2:15 PM					
Copy this folder	FSW_PSW.TRC	234 KB	TRC File	5/11/2014 4:45 PM					
Publish this folder to the Web	FSW_PSW.MAN	234 KB	MAN File	5/11/2014 4:44 PM					
Share this folder	If a.trc	1 KB	TRC File	5/11/2014 4:45 PM					
E-mail this folder's files	E empty.txt	0 KB 1 KB	Text Document TRC File	9/9/1999 9:19 AM					
	ASW2.TRC		TRC File	5/11/2014 4:45 PM 5/11/2014 4:45 PM					
X Delete this folder	ASW1.TRC	1 KB	TRC File	5/11/2014 4:45 PM					
	ABLAUF.TRC	1 KB	TRC File	5/11/2014 4:45 PM					
Other Places	Backup			**************************************					
	Open								
CSEXPER	Explor								
My Documents	Search	n							
C Shared Documents	7-Zip			<u> </u>					
😡 My Computer	Sharin	ig and Sec	urity						
My Network Places	🔳 Share	d Folder S	ynchronization	•					
3	Scan v	with Malwa	arebytes Anti-Malv	vare					
Details	Send	То		•					
Details 🙁	Cut								
Backup	Сору								
File Folder	Paste								
Date Modified: Saturday, April									
19, 2014, 1:49 PM		e Shortcut							
	Delete								
	Renar								
	Prope	rties							

20. In NCS Expert you will notice under get_coded a list of modules selected to get coded. All the parameters/settings for these modules are what's listed in the FSW_PSW.TRC file you just took a backup of.

⁹⁹ NCS-Expertentool -	FSW PSW MAN					
File View Help						
	CHASSIS:	E90 (E89)		Nrcl-No.:	017605jd	
	FG	WEATHER PARTY.	-			
	FA	E90_#0908&LCSW3	&0668*PM77\$1CA\$2	0		
	get coded:					
	KOMBI,TCUM,	2MULF,DWAS,DWA	I,IHK,NFRM,DSC,LS	MC,RSMC,EKP,CI	C,2JBBF,	
	JOBNAME = S					
	JUDNAME = 3	a_coblemen				
F1	F2	F3	F4	F5	F6	
VIN/ZCS/FA	CHASSIS	Process car	Process ECU	Car/Key Memory		
Ready					CAP NU	М

21. Since to activate the BC Digital Velocity we only need to deal with the KOMBI module, we are going to select only that module to get coded instead of all the modules. Press F4 or click the Process ECU button.

9 NCS-Expertento	ol - FSW PSW MAN				_ 🗆 ×
File View Help					
	CHASSIS: FG FA	E90 (E89) E90_#0908&LCS₩	%0668*PM77\$1CA	Nrcl-No.: 20	017605jd
		4,2MULF,DWAS,DWA	N,IHK,NFRM,DSC,I	.SMC,RSMC,EKP,C	CIC,2JBBF,
F1	F2	F3	F4	F5	F6
Ready	CHASSIS	Process car	Process ECU	Car/Key Memory	

22. Choose the KOMBI ECU from the pop-up window and press the OK button. **Note**, for my 2009 BMW E90 my BC Digital Velocity settings were located in the KOMBI module. For some, it may be the CAS ECU you need to select. But for now, just follow along, and if you cannot find the line to edit in the KOMBI module, just start back at this step and select the CAS ECU instead of the KOMBI ECU.

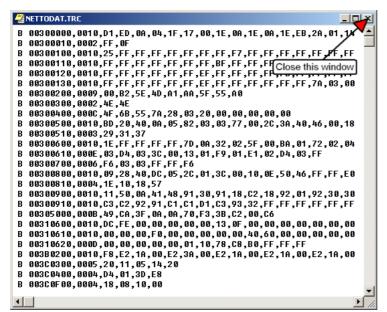
FAS FZD			
IHK			
KOMBI	~		
LSMC NFRM	•		
PGS			
RDCLC			
RLS			
RSMC			
TCUM			
TGBT TGFT			-

23. You should now notice in NCS Expert under the get coded text that only the KOMBI module is listed instead of all the vehicle's modules.

^{GII} NCS-Expertentool	FSW PSW MAN					- U ×
File View Help						
	CHASSIS: FG FA	E90 (E89) E90_#0908&LCSW	%0668*PM77\$1CA\$	Nrcl-No.: 20	017605jd	
	get coded: KOMBI JOBNAME = S	G_CODIEREN				
	KMBI_PL2.CO	5, A_PL2KMB.IPO, K	OMB87.PRG			
F1 Change ECU	F2 Change job	F3 Execute job	F4 Read ECU	F5 Basic functions	F6 Back to	main
Ready					CAP NU	JM M

24. Press F4 or click on the Read ECU button. This will overwrite your FSW_PSW.TRC file in the NCS Expert WORK folder again. However, this time around it will only read in the values from the KOMBI module instead of all the modules in your car. You will notice the size of the FSW_PSW.TRC file is a lot smaller than before as well. In my case, it was only 9KB instead of 234KB when NCS Expert read in all the values for every module. You will also notice a **NETTODAT.TRC** window pop-up. **Just exit out of that window**. Additionally, you will notice a string of text under KOMBI that says Coding ended. That means NCS Expert has completed reading the ECU.

RINCS-Expertentool	- FSW PSW MAN					
File View Help						
	CHASSIS: FG FA	E90 (E89) E90_#0908&LCSW	%0668*PM77\$1CA\$	Nrcl-No.: 20	017605jd	
		SG_CODIEREN 15, A_PL2KMB.IPO, K	COMB87.PRG			
F1 Change ECU Ready	F2 Change job	F3	F4 Read ECU	F5 Basic functions	F6 Back to	



			I - FSW PSW MAN					
File	View	Help						
			CHASSIS:	E90 (E89)		Nrcl-No.:	017605jd	
			FG	VANTA: TATAL O	1.000			
			FA	E90_#0908&LCSW	%0668*PM77\$1CA\$2	0		
			get coded:					
			КОМВІ					
			Coding ended					
				ODIERDATEN_LES				
			KMBI_PL2.C0	8, A_PL2KMB.IPO, K	COMB87.PRG			
	F	71	F2	F3	F4	F5	F6	
	Chang	je ECU	Change job	Execute job	Read ECU	Basic functions	Back to main	
Re	eady						CAP NUM	

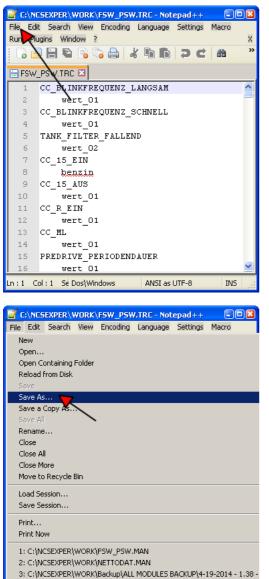
25. In the NCS Expert WORK folder, open the FSW_PSW.TRC file in Notepad++. Note, if you do not have Notepad++ installed, you can also open the file in the standard Notepad program.

WORK File Edit View Favorites Tor	ls Help	
G Back - 🕥 - 🏂 🔎	Search 🎼 Folders 🔠 🗸 Signa Folder Sync	
Address 🛅 C:\NCSEXPER\WORK		💌 🔁 Go
	🛆 Name 🔻 🛛 Size Type 🔹 Date N	Iodified
File and Folder Tasks 🛛 🔕	SYSDATEN.TRC 1 KB TRC File 5/11/20	014 4:54 PM
Rename this file	NETTODAT.TRC 2 KB TRC File 5/11/20	014 4:54 PM
<u>د</u>	NETTODAT.MAN 1 KB MAN File 4/19/20	014 2:34 PM
😥 Move this file		014 2:15 PM
Copy this file		114 4-54 PM
Publish this file to the Web	FSW_PSW.MAN Open	PM
🕅 E-mail this file	a fa.trc 7-Zip	PM
	Edit with Notepad++	AM
🗙 Delete this file	ASW, TRC Open With ASW: TPC Scan with Malwarebytes Anti-Malw	PM
Other Places	ASW1.TRC Send To	PM PM
	Backup Cut	PM
CSEXPER	Сору	
My Documents	Create Shortcut	
🛅 Shared Documents	Create Shortcut	

26. We need to go ahead and save this file with a .MAN extention instead of .TRC since NCS Expert is setup to code your car with the FSW_PSW.MAN file located in your NCS Expert WORK folder. So in Notepad++, click on File, then click on Save As, and then change the file name to the

following: FSW_PSW.MAN

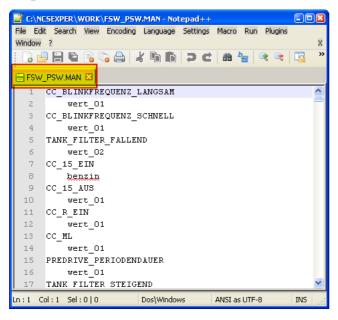
Note, it is okay if the FSW_PSW.MAN file already exists in your WORK folder. Just overwrite it.



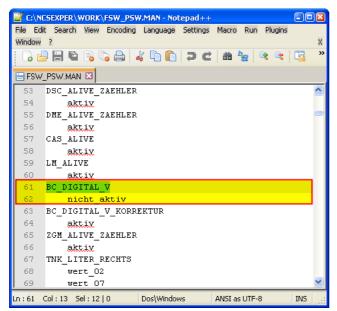
4: C:\Documents and Settings\Administrator\Desktop\Backups\EDIABAS 6.

Save As		2 🔀
Save in:	🗁 WORK 🕑 🔗 📂 🖽 -	
My Recent Documents Desktop My Documents	Backup ABLAUF.TRC ASW1.TRC ASW2.TRC empty.txt fa.trc FSW_PSW.MAN FSW_PSW.TRC INDIVID.TRC NETTODAT.MAN NETTODAT.TRC SYSDATEN.TRC	
My Computer		
My Network	File name: FSW_PSW.MAN Save Save as type: MS ini file (*.ini;*.inf;*.reg;*.url) Cancel	

27. After you save the file, notice in Notepad++ the tab should have a title that says, **FSW_PSW.MAN** instead of FSW_PSW.TRC.



28. In Notepad++ use the search option to search for the following parameter: **BC_DIGITAL_V**



29. If you have not noticed already, some parameters have the word "aktiv" under them, and some parameters have "nicht_aktiv" under them. The **basic fundamentals for most parameters**

are, if it has the word "aktiv" underneath it, it means that parameter is active (enabled). If the parameter has "nicht_aktiv" underneath it, it means that parameter is not active (not enabled). As you can see from the above screenshot, the BC_DIGITAL_V parameter is not active. So to activate the BC Digital Velocity feature, replace the word "nicht_aktiv" with the word "aktiv" and save the file.

🔡 C:\N	ESEXPER\WORK\FSW_PSW.MAN - Notepad++	
File Edi	it Search View Encoding Language Settings Macro Run Plugins	
Window	7	Х
: 🕞 🖻		»
:		
	_PSW.MAN 🗵	_
53	DSC_ALIVE_ZAEHLER	<u>^</u>
54	aktiv	
55	DME_ALIVE_ZAEHLER	-
56	aktiv	
57	CAS_ALIVE	
58	aktiv	
59	LM_ALIVE	
60	aktiv	
61	BC_DIGITAL_V	
62	aktiv	
63	BC_DIGITAL_V_KORREKTUR	
64	aktiv	
65	ZGM_ALIVE_ZAEHLER	
66	aktiv	
67	TNK_LITER_RECHTS	
68	wert_02	
69	wert 07	
Ln : 62	Col : 1 Sel : 0 0 Dos\Windows ANSI as UTF-8 INS	

30. In NCS Expert, press F5 or click the Basic functions button. In the pop-up window select the **coapiReadSgGetFswPsw** function and press the OK button. Selecting this function simply tells NCS Expert that we would like it to use the parameter values from the FSW_PSW.MAN file that we just edited when we code the car. Another pop-up window (coapiReadSgGetFswPsw) will appear that has the CBD name and other text fields. Do not change anything, and just press the OK button.

i ^{ll} NCS-Expertentool - File View Help	FSW PSW MAN				
	CHASSIS: FG FA	E90 (E89) E90_#0908&LCSW3	%0668*PM77\$1CA\$	Nrcl-No.: 20	017605jd
		ODIERDATEN_LESI 8, A_PL2KMB.IPO, K			
F1 Change ECU	F2 Change job	F3 Execute job	F4 Read ECU	F5 Basic function	
Ready					CAP NUM
hoose basic function coapiCodeSgBy/ coapiCodeSgBy/ coapiCompareAs coapiCompareFs coapiCompareHs coapiGetFswPsw coapiGetFswPsw coapiGetFswPsw coapiGetFswPsw coapiGetFswPsw coapiGetFswPsw coapiGetFswPsw coapiGetFswPsw coapiGetFswPsw coapiGetSgGet	VettoData /mProgram SW WMultiPSW ettoData odifiedByAsw vFromAsw vFromNettoData taFromCbd ogram DataFromSg				

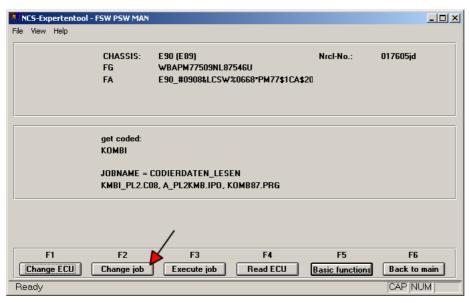
coapiReadSgGetFswPs	w	×
CBD name: Chassis:	KMBI_PL2.C08 E89	
Ergebnis datei		
0	K Cancel	

31. A pop-up window (coapiReadSgGetFswPsw) should appear with the message that says, "basic function perfect ended". If it does, pres the OK button. If it does not, you may have done something wrong in one of the above steps, and do not continue forward.



32. We need to change the **JOBNAME** from **CODIERDATEN_LESEN**, which means NCS Expert will read the information from the module instead of writing to it, to **SG_CODIEREN**, which means we want NCS Expert to write the information to the module. Press F2 or the Change job button, and in the pop-up window, select **SG_CODIEREN** and press the OK button.

9PIN	CS-Ex	pertento	ol - FSW PSW MAN					_ 🗆 ×
File	View	Help						
			CHASSIS: FG FA	E90 (E89) E90_#0908&LCS₩	%0668*PM77\$1CA\$	Nrcl-No.: 20	017605jd	
				Codierdaten_lesi 18, a_pl2Kmb.ipo, k				
	Chang	1 Je ECU	F2 Change job	F3 Execute job	F4 Read ECU	F5 Basic functions	F6 Back to	
Re	eady						CAP NU	ЛМ





33. Finally, the step you have been waiting for. We are now ready to write the changes to the module. Make sure beside JOBNAME NCS Expert has **SG_CODIEREN** selected. Next, Press F3 or the Execute job button.

^{GEI}NCS-Expertentool	- FSW PSW MAN				_ 🗆 🗵
File View Help					
	CHASSIS:	E90 (E89)	Nrcl-No.:	017605jd	
	FG	WEATHER TRANSPORT		·	
	FA	E90_#0908&LCSW%0668*PM77\$1CA\$20	1		
	get coded:				
	KOMBI				
	JOBNAME =				
		8, A_PL2KMB.IPO, KOMB87.PRG			
		/			
F1	F2	F3 📂 F4	F5	F6	
Change ECU	Change job	Execute job Read ECU	Basic functions	Back to	main
Ready				CAP NU	JM M

34. Next under KOMBI, you will notice a text string that says Coding activ, which means coding is taking place, and after it is done coding the changes, the text string will say, Coding ended.

G NCS-Exp	ertentool - FSW PSW MAN					_ 🗆 🗡
File View	Help					
	CHASSIS: FG FA	E90 (E89) E90_#0908&LCSW	%0668*PM77\$1CA\$	Nrcl-No.: 20	017605jd	
		GG_CODIEREN 18, A_PL2KMB.IPO, 1	COMB87.PRG			
F Change Ready		F3	F4 Read ECU	F5 Basic functions	F6 Back to r	

⁹¹ NCS-Expert	entool - FSW PSW MAI	N			<u>_ ×</u>
File View Hel	p				
	CHASSIS: FG	E90 (E89)	-	Nrcl-No.:	017605jd
	FA	E90_#0908&LCSW3	%0668*PM77\$1CA\$	20	
	get coded: KOMBI Coding ende	ed .			
		SG_CODIEREN CO8, A_PL2KMB.IPO, K	OMB87.PRG		
F1	F2	F3	F4	F5	F6
Change E	CU Change job	Execute job	Read ECU	Basic functions	Back to main

35. Congratulations! You have coded your first feature on your car! After the coding has ended, the vehicle will restart. Afterwards, press the BC button a few times until you see the velocity screen.





I hope this guide was useful for you. I know it was extremely long, but once you code a few more features, this process will be second nature to you and you'll look like a pro in no time. To code other features for your car, visit the Coding Tutorials area.

You may also like:

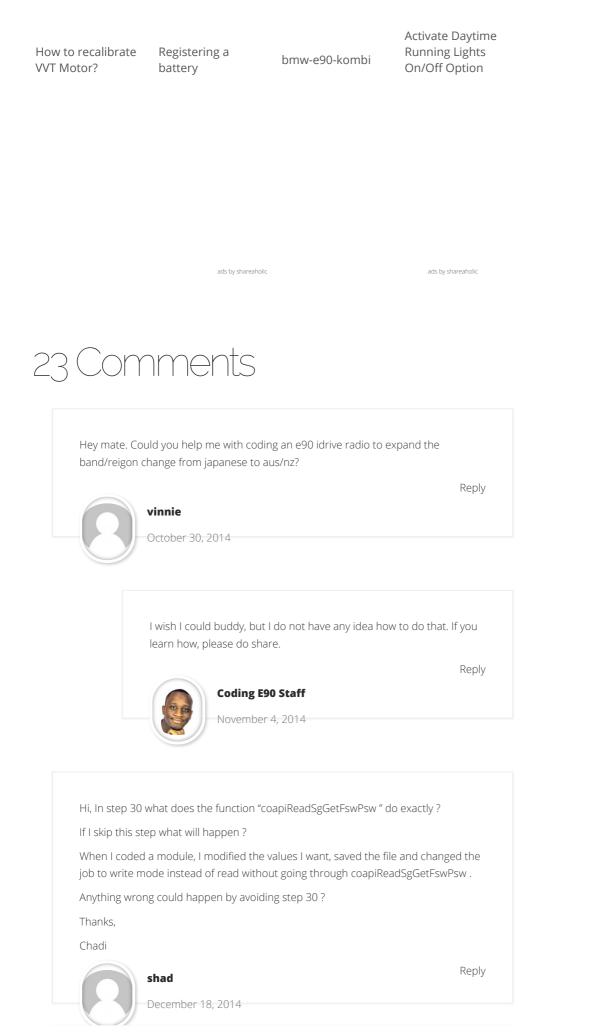
🗲 by shareaholic

frm-attribute

Anyone Home?

Other Tutorials

Disable No Seat Belt Chime



Hey Chadi,

The coapiReadSgGEtFswPSw is what I used to write the information from my MAN file to the car. I am not sure what the other functions in that pop-up will do to the car or what file they use on your computer. If what you used worked and it activated the feature just fine, that it may be another alternative option. But I just stuck with things I read in manuals online, so I stuck with the coapiReadSgGetFswPsw function.

Let us know if your way works as well though.



Coding E90 Staff

Reply

Reply

Reply

December 18, 2014

I would like to know how you knew that the BC_Digital_V was in the Kombi module. How do I know what module I am working with each time? If I don't know what module, would I be able to just hit Code Car and that way be sure that the module I want to rewrite gets rewritten, since all modules then get rewritten? Hope I am making my self clear.



Alex

March 23, 2015

Honestly I learned what steps to take by following other tutorials and not skipping any of the steps unless I was sure I wouldn't mess up anything. I'm not a BMW rep so my advice is to try to follow each step in the guide/s and usually they tell you what module the feature is located in. However, if I remember correctly, I believe all the modules get overwritten, not just the one you tweaked.



Coding E90 Staff

March 24, 2015

So even with "get coded" set to "KOMBI" and "job_name" set to "SG_KODIEREN".... when you hit "Execute job", all modules including KOMBI will be overwritten in the car instead of only KOMBI ??

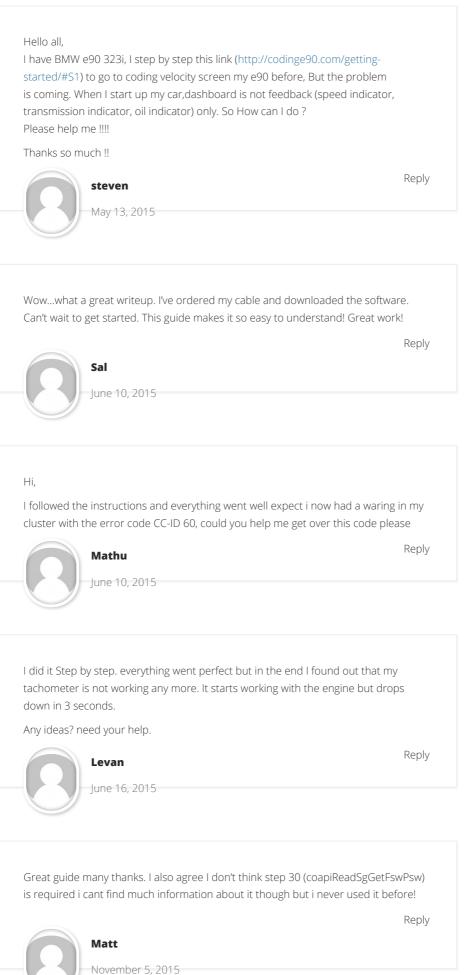
If so that's kind of scary 🙂 since when reading from the car we selected only info from the KOMBI module (9kb code file instead of 234kb on the complete code file including all modules) and on the way back, writting to the car we are using the KOMBI only file... Is there any chance that we wipe out all other features doing that ?

I apologize for the question but this comment "I believe all the modules get overwritten, not just the one you tweaked" made it a little confusing to me 🙂

Reply

Alexandre

April 3, 2015



Great write up, appreciate the effort you went through to explain it all, the flow	
charts helped immensely!	

Reply

	Ray
	Dece

December 13, 2015

Hi,

I have a 2009 E90 and would like to code it. However not very sure where I can download the NCSexper.rar from. Would this have all the files and software that I need?

Sorry but I am new to this as you can see. I have already ordered the cable and just waiting for delivery.

I want to activate the video in motion and sound the alarm when I lock the car.



Hi everyone,

Just a quick question!

If I follow this guide, will it erase everything ? Cause mine is already coded by someone else. The main thing I cannot lose is the HIFI coding. Will this be erased to ?

Ibr Ma



Reply

Reply

March 30, 2016

hi is the set up the same for e46 cheers daz

Reply

April 20, 2016

daz

Fellas,

This tutorial is awesome! I did not get the expected results when running OBDsetup.exe, I got some failures if I remember correctly, but everything else went without error when coding my E82 and the wife's E84.

I realize that once you've successfully completed this tutorial that you can start on Step 5 Using NCSExpert, but I don't have a firm grip on where I can skip steps in the loading, saving, and backup process so I'll do a little more reading before I start asking questions. In the mean time, I have nothing but thanks for the work you guys have done and shared with the rest of us.

Thanks! Scott Scott May 21, 2016 Thank you for your great posting on e90 coding. I clicked on the li to get " Everything You Need To Code Your BMW package for \$5.0 to the MediaFire website. I signed up for the website and search f	Reply
Scott May 21, 2016 Thank you for your great posting on e90 coding. I clicked on the li to get " Everything You Need To Code Your BMW package for \$5.0	
May 21, 2016 Thank you for your great posting on e90 coding. I clicked on the li to get " Everything You Need To Code Your BMW package for \$5.0	
Thank you for your great posting on e90 coding. I clicked on the li to get " Everything You Need To Code Your BMW package for \$5.0	
to get " Everything You Need To Code Your BMW package for \$5.0	akway baya pastad
was unable to locate it. Can you please help? Thanks. John	0" but it took me
John Salla	Reply
September 23, 2016	

Hi,

I have followed all the steps in the guide but I can't quite get it to work.

I get connection between pc and car in INPA, and it recognizes that it's an E91. But when I try the Airbag test I get a fault code and then it goes to Main menu.

In NCSExpert when trying to connect it doesn't identify the car and I can only see the CAS and FRM ECU. The error i get is "Fahrzeugaftrag ungültig \$1CD". It feels like I have the wrong software and need an update or what do you think?

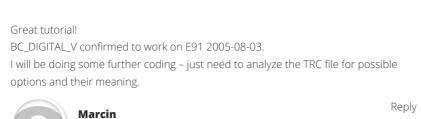
Would really appreciate quick answer as I'm so stoked on coding my car! "

Thank you! Regards Eric



September 27, 2016

Eric



December 14, 2016

Hello, I want to do the Folding Mirror Feature. I see that on the Tutorial for that it shows the parameters that need to be changed. I am guessing you do those parameters on

part 28,25 and follow the same exact steps that follow in this tutorial? John Lopez Pedraza

New to this Thanks. February 3, 2017

Reply



Hello,

To do the Folding mirrors, you just change the parameters given in the tutorial active folding mirrors on the step 28 and 29 on this tutorial and follow the steps exactly as they are here?

Reply

	john	lopez	Z
Į.,	Fehru	iary 3	2017

Hello, just wanted to tell you that your tutorial is by far the best i've seen for one simple reason : you don't just say what to do and how to do it, you also explain WHY. And the WHY is probably even more important than the "how", because then everything makes sense !

Now I can try and code some options for my E60 knowing I have this guide to remind me why i'm doing these steps ! Thanks again !



March 12, 2017

Ste

Reply

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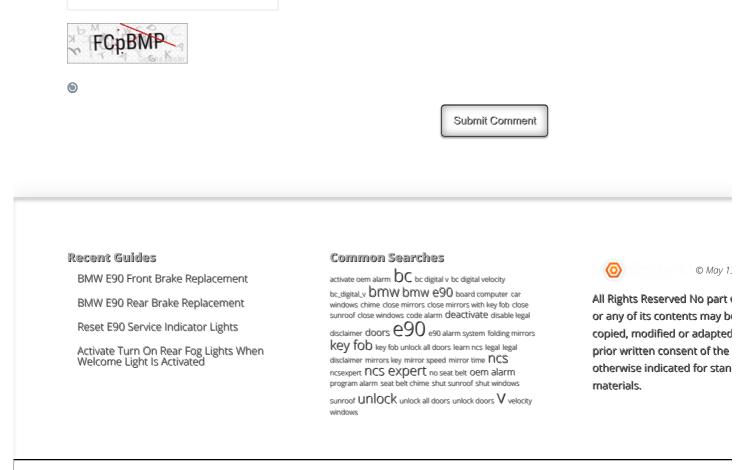


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