

BC hidden menus - e90

e90

BC hidden menus

All BMW 3series cars of the E90, E91, E92 (and probably E93) family have hidden/service menus in the Board Computer (BC)

Although on cars with iDrive, some of this information can be accessed in a more readable format through the [hidden iDrive menus](#)



Accessing the menus

To access these hidden menus (or service menus), you have 2 options..

Option 1

1. Turn ignition on, or start your car
2. Press and hold the button to reset the daytrip/odometer for 10 seconds

Option 2

1. Press and hold the button to reset the daytrip/odometer
2. While keeping this button pressed, insert the keyfob into its slot, and release the button

At this point the BC should display data in a "XX.YY" format. So if the BC displays "01.00", that means Main Menu 01, sub menu 00

To continue to navigate the menus, you need to use again the daytrip/odometer button (hereafter just called 'button')



- While the display reads XX.__ press the button repeatedly to select the main menu option (XX)
- when reaching the desired main menu option, wait for 2 second for the display to read XX.00, at this time pressing the button will select the sub menu (YY)
- To go back to selection of a main menu (XX), press and hold the button for 2 seconds, until it shows XX.__ again.
- To leave the hidden/service menus press and hold the button for 10 seconds, or remove the keyfob.

At this point, the available main menus are 01, 02 and 19. To access the remaining menus a code is required.

This code can be found under menu 01.00 and needs to be calculated as follows from the Chassis number

Say the number displayed is XX12345, you take the last 5 digits (12345 in this case), and add them all up, so $1+2+3+4+5=15$. Meaning your unlock code is 15.

To enter the unlock code, go to main menu 19, and wait until it asks for the unlock code. Now press the button until it reads your unlock code (15 in our example), and the display will show 'lock: off'.

Now all menus are available



Menu list and description

Note: please make corrections/additions to this list if you have additional information!

Menu	German text	English Translation	Notes	Picture
01.00	FGSTNR (Fahrzeug ?? Nummer)	Vehicle ?? number		

				
01.01	K-ZAHL W/T (Kilo-Zahl Wirklich/Tacho?)	Tacho in thousands True/Tacho?		
01.02	BMW TNR (BMW Teilenummer)	BMW Part number of Instrument panel?		
01.03	COD DIA	Diagnostic code?		
01.04	KI HSTLDATUM (Kombi Instrument Herstellungs datum)	Instrument Panel Manufacturing date		
01.05	HW AEI	Hardware revision ??	First part is probably the hardware revision	

			of the instrument panel. Unclear what the second part (AEI is)	
01.06	SW	Software version?		
01.07	KODIERDATEN	Coding data		
01.08	CAN	Can Bus version?	Should this not be Most-Bus instead? (but isn't there still a CAN bus even though there's also a MOST bus?)	
02.00	KI TEST (Kombi Instrument Test)	Instrument Panel Test	When the display shows 02.00, click the button one more time to start the test. Causes all indicator to light up, and gauges to go to max.	

				
03.00	UNBELEGT	Unused	On some older cars (pre-E90), this menu contains service data, but not anymore.	
04.00	VERB-MOM (Verbrauch im Moment)	Current fuel consumption in l/100km		
04.01	VERB-MOM (Verbrauch im Moment)	Current fuel consumption in l/hour		
04.02	D-VERB1 LIT (Durchschnitt Verbrauch im Liter?)	Averages - Consumed fuel		
04.03	D-VERB1 WEG (Durchschnitt Verbrauch im Wegstrecke?)	Averages - Distance traveled		

				
04.04	D-VERB2 LIT (Durchschnitt Verbrauch im Liter?)	Averages - Consumed fuel in Liters		
04.05	D-VERB2 WEG (Durchschnitt Verbrauch im Wegstrecke?)	Averages - Distance traveled		
05.00	RW-VERB (Reichweite Verbrauch)	Range Fuel usage	This is used to calculate how much further you can drive	
05.01	RW-MOM (Reichweite im Moment)	Estimated range until tank is empty		
06.00	TANK L R S (Tank Links Rechts Summe)	Remaining fuel in left and right fuel tank, and total (Left-Right-		

		Sum)		
06.01	TANK-ANZ PH	Total fuel tank content	why is this different from the 06.00 total value? and what is the trailing 'PH' value (1 in this case)?	
06.02	TANK-OHM L R	perhaps the resistance values returned by the left and right fuel level sensors? that is, the 'raw' data from which the calculated values in litres are calculated		
07.00	KTMP-MOM (Kühlmittel Temperatur im Moment)	Current Coolant temperature		
07.01	ATMP-MOM (Außen Temperatur im Moment)	Current Outside temperature		
07.02	ATMP ADC (Außentemperatur Analog Digital Converter)	Raw temperature value from analog digital		

		converter		
07.03	N-MOT-MOM	current engine revs per minute		
07.04	N-VWF-MOM	revs per minute limit on M cars whilst engine warming up (increase in blocks of 50rpm as temp rises)		
08.00	V-EFF	Current speed		
08.01	V-ANZ	Speed shown on indicator		
08.02	V-SZ	Cruise control speed on indicator		

				
08.03	DGESCH1 WEG	?? - Distance traveled		
08.04	DGESCH1 ZEIT	Total Time driven?		
08.05	DGESCH2 WEG	?? - Distance traveled		
08.06	DGESCH2 ZEIT	Total Time driven?		
09.00	UB	Voltage		

				
10.00	KM / WOCHE	KM/Week		
10.01	GELB CBS H A	?		
10.02	SC-STATUS	?		
10.03	CBS-MODE	?		
10.04	TAG-ZAEHLER (Tag Zähler)	Day Counter		

				
11.00	ZEIT-EINH (Zeit Einheit)	Time format	12 or 24	
11.01	WEG-EINH (Wegstrecke Einheit)	Distance format	KM or MLS	
11.02	TEMP-EINH (Temperatur Einheit)	Temperature format	°C or °F	
11.03	VERB-EINH (Verbrauch Einheit)	Fuel Usage format	l/100km, km/l or mpg	
12.00	V-ANKUNFT (Veranschlagt Ankunft?)	Estimated ?? until arrival		

				
12.01	ANK-ZEIT (Ankunft Zeit)	Estimated Arrival time		
13.00	AUDIO	Sound test	Press button to play BLINKER, ACC Gong, CCG and DG sounds	
14.00	FS-EINTRAEGE (Fehler Speicher Einträge)	Memory error entries		
14.01	FSP01 (Fehler Speicher Position 01)	Memory Error Entry 01		
14.02	FSP02 (Fehler Speicher Position 02)	Memory Error Entry 02		

				
14.03	FSP03 (Fehler Speicher Position 03)	Memory Error Entry 03		
14.04	FSP04 (Fehler Speicher Position 04)	Memory Error Entry 04		
14.05	FSP05 (Fehler Speicher Position 05)	Memory Error Entry 05		
14.06	FSP06 (Fehler Speicher Position 06)	Memory Error Entry 06		
14.07	FSP07 (Fehler Speicher Position 07)	Memory Error Entry 07		

				
14.08	FSP08 (Fehler Speicher Position 08)	Memory Error Entry 08		
14.09	FSP09 (Fehler Speicher Position 09)	Memory Error Entry 09		
14.10	FSP10 (Fehler Speicher Position 10)	Memory Error Entry 10		
15.00	PORT 00h	?		
15.01	PORT 01h	?		

				
15.02	PORT 02h	?		
15.03	PORT 03h	?		
15.04	PORT 04h	?		
15.05	PORT 05h	?		
15.06	PORT 06h	?		

				
15.07	PORT 07h	?		
15.08	PORT 08h	?		
15.09	PORT 09h	?		
15.10	PORT 0Ah	?		
15.11	PORT 0Bh	?		
16.00	DIMMRAD CAN	Dashboard lighting?		
16.01	PHOTO-ADC	Day light measurement		
16.02	DIMM-PWM SZ	?		
16.03	DIMM-PWM DK	?		
17.00	DISP-HEIZ	Display heater on/off		
17.01	NCT1 NCT2	?		
17.02	KONTR-PWM	?		
18.00	CC-TEST	Check Control Test		

19.00	UNLOCK	Unlock menu		
20.00	KORR-VERBR	Correction factor - Usage	Korrekturfaktor Verbrauchsanzeige Fuel consumption correction factor	
20.01	1ER KORR	1st correction?	Change the 'ones' digit of the correction factor	
20.02	10ER KORR	10th correction?	Change the 'tens' digit of the correction factor	
20.03	100ER KORR	100th correction?	Change the 'hundreds' digit of the correction factor	
21.00	RESET?	Software reset		

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Anonymous	FGSTNR	0	Jun 3 2009, 3:04 PM EDT by Anonymous
Thread started: Jun 3 2009, 3:04 PM EDT Watch			
.. is probably short for "Fahrgestellnummer", which roughly translates to "Vehicle Frame number" - i.e. VIN, as assumed.			
Keyword tags: None (edit keyword tags)			

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