

# BMW E60 M5: Hidden OBC Menu

(OBC = On Board Computer)

It appears that there is a hidden OBD menu which shows all sorts of weird and wonderful information.

To access the menu follow these steps:

1. Ensure your engine is OFF but ignition is in stage 2. (For those with comfort access just press the start/stop button twice once in the car without your foot on the brake)
2. Press and hold the odometer reset button (from now on I shall just call it the button) for 6 seconds, during which it will show an oil icon:



then a warning triangle:



...keep holding and release when it shows:

**01.\_\_\_\_**  
**FGSTNR**



3. After a second or two the **01.\_\_** will be updated with **01.00** and the last 7 characters of your VIN/Chassis # will show:  
**01.00**  
**FGSTNR**  
**CU12345**  
Make a note of the numbers, this is important as you will need them in a minute to unlock all the menus because at present you can only access menu 01.\_\_, 02.\_\_ and 19.\_\_
4. Now that you have made a note of your VIN number you need to add all the individual digits together so if your VIN was CU12345  
Then you need to do:  
 $1+2+3+4+5 = 15$   
This number [15 in this example] is your magic unlock number and is needed for step 6.
5. Press and hold the button for two seconds until it shows  
*(press button 2 seconds)*  
**01.\_\_**
6. Whilst it is displaying **01.\_\_** repeatedly press the button to cycle through the menu's incrementally:  
**01.\_\_**  
*(press button)*  
**02.\_\_**  
*(press button)*  
**03.\_\_**  
*(press button)*  
until you get to **19.\_\_** at which point stop and wait for it to show  
**19.00**  
**LOCK: ON**  
**CODE: 00**  
Now press the button repeatedly to increment the CODE eg:  
*(press button)*  
**CODE: 01**  
*(press button)*  
**CODE: 02**  
*(press button)*  
**CODE: 03**  
*(press button)*  
...until you get to the number you calculated in step 4, your unlock code, in this example 15:  
**CODE: 15**
7. Once you have reached your unlock code wait a few seconds and it should jump you back to **01.00** and all the other menus will be available.

8. There are 21 top level menus and some have sub-menu's, for example:

**01. \_\_**  
    **01.00**  
    **01.01**  
    **01.02**  
    **01.03**  
**02. \_\_**  
    **02.00**  
**03. \_\_**  
    **03.00**  
**04. \_\_**  
    **04.00**  
    **04.01**  
    **04.02**  
    etc

9. To change top level menu's press the button for 2 seconds until the last two digits turn to underscores (**XX. \_\_**) then release the button and quickly press the button repeatedly to increment through the top level menu's, e.g.:

*(press button 2 seconds)*

**01. \_\_**  
*(press button)*  
**02. \_\_**  
*(press button)*  
**03. \_\_**  
etc

Once you arrive at the menu you want to go into just wait a few seconds and the two underscores will be replaced by double zeroes (XX.00) and every subsequent press of the button will cycle you through the selected menu's sub menu:

**04. \_\_** *(wait few seconds)*  
**04.00**  
*(press button)*  
**04.01**  
*(press button)*  
**04.02**  
*(press button)*  
**04.03**

10. Some menus don't have sub menus so waiting for the to display **XX.00** and then pressing the button again will activate that feature, try it on menu **02.00** and it will carry out a dashboard test and move all the needs. Press and hold the button for two seconds until the last two digits turn to underscores then release and keep pressing the button until it shows:

**02.\_\_**


(press button)

**02.00**

(press button)

Dashboard will do strange things:





Ok so that's a run down on how to access the menus and move around the different levels of the menus. I systematically accessed each menu and it's sub menus and photographed each one to create a rough guide as to what is shown, most things I haven't got a clue what they are but some things like current true speed, rpm and rpm limit are useful.

| 01.__ | Displayed | Name                                 | Value           | Description                                 | Image  |
|-------|-----------|--------------------------------------|-----------------|---|--|
|       | 01.00     | FGSTNR<br>(Fahrzeug<br>??<br>Nummer) | CU173XX         | Last 7 digits of<br>VIN / chassis<br>number |   |
|       | 01.01     | K-ZAHL<br>W/T                        | 7336 /<br>73004 |   |  |

|  |       |                     |                  |  |  |
|--|-------|---------------------|------------------|--|--|
|  | 01.02 | BMW TNR             | 000007839<br>298 |  |  <p>www.m5board.com</p> <p>01.02<br/>BMW TNR<br/>000007839298</p> <p>SCOOPZ</p>      |
|  | 01.03 | COD DIA             | 0006h<br>06E0h   | Diagnostic<br>Code                           |  <p>www.m5board.com</p> <p>01.03<br/>COD DIA<br/>0006h 06E0h</p> <p>SCOOPZ</p>      |
|  | 01.04 | KI<br>HSTLDATU<br>M | 11.11.2005       | Instrument<br>Panel<br>Manufacturing<br>Date |  <p>www.m5board.com</p> <p>01.04<br/>KI HSTLDATUM<br/>11.11.2005</p> <p>SCOOPZ</p> |

|  |       |                 |                |                     |  |
|--|-------|-----------------|----------------|---------------------|--|
|  | 01.05 | HW AEI          | 0204h<br>0033h |                     |     |
|  | 01.06 | SW              | 69.51.01       | Software<br>Version |   |
|  | 01.07 | KODIERDA<br>TEN | 08.02.19.04    |                     |  |




|         |       |         |           |  |  |
|---------|-------|---------|-----------|--|--|
|         | 01.08 | CAN     | 00 16 109 | CAN or MOST BUS version?                             |     |
| 02.____ |       |         |           | Instrument Panel Test                                |   |
|         | 02.00 | KI TEST |           | Screen shot 01 of instrument panel test in operation |  |
|         |       |         |           | Screen shot 02 of instrument panel test in operation |  |

|         |       |          |              |  |  |
|---------|-------|----------|--------------|--|--|
|         |       |          |              | Screen shot 03 of instrument panel test in operation |     |
| 03.____ |       |          |              |  |  |
|         | 03.00 | UNBELEGT |              | Not used   |   |
| 04.____ |       |          |              |  |  |
|         | 04.00 | VERB-MOM | 00.0 l/100km | Current fuel consumption in litres/100km             |  |



|  |       |             |           |   |  |
|--|-------|-------------|-----------|---|--|
|  | 04.01 | VERB-MOM    | 00.0 l/h  | Current fuel consumption in litres/hour                                 |     |
|  | 04.02 | D-VERB1 LIT | 291.7 l   | Numbers of litres used when calculating mpg for computer                |   |
|  | 04.03 | D-VERB1 WEG | 1429.2 km | Number of km covered using the number of litres of fuel in 04.02 above. |  |

|         |       |                |                 |   |  |
|---------|-------|----------------|-----------------|---|--|
|         | 04.04 | D-VERB2<br>LIT | 1133.9 l        | Numbers of litres used when calculating mpg for journey                 |     |
|         | 04.05 | D-VERB2<br>WEG | 5604.4 km       | Number of km covered using the number of litres of fuel in 04.04 above. |   |
| 05.____ |       |                |                 |   |  |
|         | 05.00 | RW-VERB        | 17.1<br>l/100km |   |  |

|         |       |             |              |   |  |
|---------|-------|-------------|--------------|---|--|
|         | 05.01 | RW-MOM      | 0132.5 km    | Range remaining on current fuel, calculated from 5.00   |     |
| 06.____ |       |             |              |   |  |
|         | 06.00 | TANK L R S  | 00.6 22.1 22 | Number of litres of fuel remaining in both the left and the right tank. Final figure seems to be rough sum of the pair. |   |
|         | 06.01 | TANK-ANZ PH | 22.6   1     | Average litres of fuel remaining  |  |

|        |       |                 |           |                        |  |
|--------|-------|-----------------|-----------|------------------------|--|
|        | 06.02 | TANK-ADC<br>L R | 058h 220h |                        |     |
| 07. __ |       |                 |           |                        |  |
|        | 07.00 | KTMP-<br>MOM    | 85 °C     | Coolant<br>temperature |   |
|        | 07.01 | ATMP-<br>MOM    | 18.5 °C   | Outside<br>temperature |  |

|  |       |           |            |  |  |
|--|-------|-----------|------------|--|--|
|  | 07.02 | ATMP-ADC  | 126h       |  |  <p>A red digital display showing three lines of yellow text: '07.02', 'ATMP ADC', and '126h'. A watermark 'www.m5board.com' is visible diagonally across the top right, and 'SCOOPZ' is at the bottom right.</p>           |
|  | 07.03 | N-MOT-MOM | 0000 U/min | Current engine revs per minute (engine was off)  |  <p>A red digital display showing three lines of yellow text: '07.03', 'N-MOT-MOM', and '0000 U/min'. A watermark 'www.m5board.com' is visible diagonally across the top right, and 'SCOOPZ' is at the bottom right.</p>  |
|  |       |           | 0787 U/min | Current engine revs per minute (engine on, engine warm idle speed after a few minutes) |  <p>A red digital display showing three lines of yellow text: '07.03', 'N-MOT-MOM', and '0787 U/min'. A watermark 'www.m5board.com' is visible diagonally across the top right, and 'SCOOPZ' is at the bottom right.</p> |

|       |           |  |            |  |  |
|-------|-----------|--|------------|--|--|
|       |           |  | 0957 U/min | Current engine revs per minute (engine was on, immediate cold idle speed for roughly two minutes)  |     |
|       |           |  | 1388 U/min | Current engine revs per minute (engine on with moderate throttle)  |   |
| 07.04 | N-VWF-MOM |  | 7350 U/min | This shows the current level of the "yellow" zone of the tachometer which increases as the engine warms up. See picture below showing this figure on dial. |  |






|  |  |  |            |  |  |
|--|--|--|------------|--|--|
|  |  |  |            | 7350 on dash   |     |
|  |  |  | 7750 U/min | Figure increases in blocks of 50rpm and is coupled with an movement of the rev limiter bar. See picture below. |   |
|  |  |  |            | 7750 on dash   |  |

|         |       |       |  |   |  |
|---------|-------|-------|--|---|--|
| 08.____ | 08.00 | V-EFF |  | Current true speed in km/h  |  <p>www.m5board.com</p> <p>08.00<br/>V-EFF<br/>000 km/h</p> <p>SCOOPZ</p>  |
|         | 08.01 | V-ANZ |  | Current speed indicated to driver via dash and HUD. This is always a few km/h higher than the actual speed. |  <p>www.m5board.com</p> <p>08.01<br/>V-ANZ<br/>000 km/h</p> <p>SCOOPZ</p> |
|         | 08.02 | V-SZ  |  | Speed cruise control set to.  |  <p>www.m5board.com</p> <p>08.02<br/>V-SZ<br/>000 km/h</p> <p>SCOOPZ</p> |

|  |       |                 |  |  |  |
|--|-------|-----------------|--|--|--|
|  | 08.03 | DGESCH1<br>WEG  |  |  |     |
|  | 08.04 | DGESCH1<br>ZEIT |  |  |   |
|  | 08.05 | DGESCH2<br>WEG  |  |  |  |



|         |       |                 |  |   |  |
|---------|-------|-----------------|--|---|--|
|         | 08.06 | DGESCH2<br>ZEIT |  |   |     |
| 09.____ |       |                 |  |   |  |
|         | 09.00 | UB              |  | Battery Voltage<br>Jumped from<br>12v to 14v<br>once engine<br>started. |   |
| 10.____ |       |                 |  |   |  |
|         | 10.00 | KM /<br>WOCHE   |  | Km / week ?   |  |

|  |       |                 |  |  |   |
|--|-------|-----------------|--|--|---|
|  | 10.01 | GELB CBS<br>H A |  |  |  <p>www.m5board.com</p> <p>10.01<br/>GELB CBS H A<br/>10d 01d</p> <p>SCOOPZ</p> |
|  | 10.02 | SC-<br>STATUS   |  |  |  <p>www.m5board.com</p> <p>10.02<br/>SC-STATUS<br/>00d</p> <p>SCOOPZ</p>       |
|  | 10.03 | CBS-<br>MODE    |  |  |  <p>www.m5board.com</p> <p>10.03<br/>CBS-MODE<br/>03d</p> <p>SCOOPZ</p>       |

|        |       |             |  |   |  |
|--------|-------|-------------|--|---|--|
|        | 10.04 | TAG-ZAEHLER |  |   |     |
| 11. __ |       |             |  |   |  |
|        | 11.00 | ZEIT-EINH   |  | Time format   |   |
|        | 11.01 | WEG-EINH    |  | Distance format<br>In this case km/h but I change via i-drive to miles to see if it was affected, see below |  |



|  |       |           |  |  |   |
|--|-------|-----------|--|--|---|
|  |       |           |  | Distance format after changing from km to mls on i-drive settings. | <p>A red digital display showing the number '11.01' at the top, followed by 'WEG-EINH' in the middle, and 'mls mph' at the bottom. A watermark 'www.m5board.com' is visible diagonally across the top right, and 'SCOOPZ' is at the bottom right.</p> |
|  | 11.02 | TEMP-EINH |  | Temperature format.  | <p>A red digital display showing the number '11.02' at the top, followed by 'TEMP-EINH' in the middle, and '°C' at the bottom. A watermark 'www.m5board.com' is visible diagonally across the top right, and 'SCOOPZ' is at the bottom right.</p>     |
|  | 11.03 | VERB-EINH |  | Consumption format   | <p>A red digital display showing the number '11.03' at the top, followed by 'VERB-EINH' in the middle, and 'mpg US' at the bottom. A watermark 'www.m5board.com' is visible diagonally across the top right, and 'SCOOPZ' is at the bottom right.</p> |

|         |       |               |  |   |  |
|---------|-------|---------------|--|---|--|
| 12.____ | 12.00 | V-<br>ANKUNFT |  | Avg speed used to estimate time of arrival                              |    |
|         | 12.01 | ANK-ZEIT      |  | Estimated time of arrival based on speed above.                         |   |
| 13.____ | 13.00 | AUDIO         |  | Sound Test<br>Press button to play BLINKER sound (i.e. indicator sound) |  |

|       |              |              |  |  |  |
|-------|--------------|--------------|--|--|--|
|       |              |              |  | Whilst playing indicator sound it displays this. |     |
| 14.00 | FS-EINTRAEGE | 1            |  |  |   |
| 14.01 | FSP01 A557h  | 28000AB00332 |  |  |  |

|  |       |       |     |  |  |
|--|-------|-------|-----|--|--|
|  | 14.02 | FSP02 | --- |  |     |
|  | 14.03 | FSP03 | --- |  |   |
|  | 14.04 | FSP04 | --- |  |  |

|  |       |       |     |  |  |
|--|-------|-------|-----|--|--|
|  | 14.05 | FSP05 | --- |  |     |
|  | 14.06 | FSP06 | --- |  |   |
|  | 14.07 | FSP07 | --- |  |  |

|  |       |       |     |  |  |
|--|-------|-------|-----|--|--|
|  | 14.08 | FSP08 | --- |  |     |
|  | 14.09 | FSP09 | --- |  |   |
|  | 14.10 | FSP10 | --- |  |  |






|       |          |          |  |
|-------|----------|----------|--|
| 15.00 | PORT 00h | 01111000 |    |
| 15.01 | PORT 01h | 00000001 |   |
| 15.02 | PORT 02h | 11111100 |  |

|  |       |          |          |  |  |
|--|-------|----------|----------|--|--|
|  | 15.03 | PORT 03h | 00000011 |  |     |
|  | 15.04 | PORT 04h | 00000000 |  |   |
|  | 15.05 | PORT 05h | 00001110 |  |  |




|  |       |          |          |  |  |
|--|-------|----------|----------|--|--|
|  | 15.06 | PORT 06h | 00000000 |  |     |
|  | 15.07 | PORT 07h | 00101000 |  |   |
|  | 15.08 | PORT 08h | 10001000 |  |  |

|  |       |          |          |  |   |
|--|-------|----------|----------|--|---|
|  | 15.09 | PORT 09h | 00111011 |  |  <p>A red LED display showing the text: 15.09, PORT 09h, and 00111011. A watermark 'www.m5board.com' is visible diagonally across the top, and 'SCOOPZ' is at the bottom right.</p>    |
|  | 15.10 | PORT 0Ah | 00100010 |  |  <p>A red LED display showing the text: 15.10, PORT 0Ah, and 00100010. A watermark 'www.m5board.com' is visible diagonally across the top, and 'SCOOPZ' is at the bottom right.</p>  |
|  | 15.11 | PORT 0Bh | 00111000 |  |  <p>A red LED display showing the text: 15.11, PORT 0Bh, and 00111000. A watermark 'www.m5board.com' is visible diagonally across the top, and 'SCOOPZ' is at the bottom right.</p> |




|         |       |              |         |  |  |
|---------|-------|--------------|---------|--|--|
| 16.____ |       |              |         |  |  |
|         | 16.00 | DIMMRAD-CAN  | FDh     | Dashboard lighting?  |    |
|         | 16.01 | PHOTO-ADC    | 09Bh    | Photo sensor signal (could be for auto-dim mirrors, HUD brightness, auto-lights, high-beam assist or simply the dashboard brightness as mentioned above which changes in varying light conditions) |   |
|         | 16.02 | DIMM-PWM S Z | FEh FEh |  |  |




|       |       |                  |           |  |   |
|-------|-------|------------------|-----------|--|---|
|       | 16.03 | DIMM-<br>PWM D K | ??h A?h   |  |  A red LED display showing three lines of orange text: '16.03', 'DIMM-PWM D K', and '80h A0h'. A watermark 'www.m5board.com' is visible diagonally across the top, and 'SCOOPZ' is in the bottom right corner.   |
| 17.00 |       |                  |           |  |   |
|       | 17.00 | DISP-HEIZ        | Aus i0    |  |  A red LED display showing three lines of orange text: '17.00', 'DISP-HEIZ', and 'Aus i0'. A watermark 'www.m5board.com' is visible diagonally across the top, and 'SCOOPZ' is in the bottom right corner.     |
|       | 17.01 | NTC1<br>NTC2     | 1F9h ---h |  |  A red LED display showing three lines of orange text: '17.01', 'NTC1 NTC2', and '1F9h ---h'. A watermark 'www.m5board.com' is visible diagonally across the top, and 'SCOOPZ' is in the bottom right corner. |





|        |       |           |     |  |  |
|--------|-------|-----------|-----|--|--|
|        | 17.02 | KONTR-PWM | 86h |  |     |
| 18. __ |       |           |     |  |  |
|        | 18.00 | CC-TEST?  |     | <p>Check Control Tests</p> <p>Pressing the button will make it cycle through the warning icons below, with audible warning and text description on i-drive screen.</p> |   |
|        |       |           |     | <p>High Rate of Battery Discharge and many other warnings.</p>   |  |

|  |  |  |  |   |  |
|--|--|--|--|---|--|
|  |  |  |  | Release parking brake.                        |     |
|  |  |  |  | Lights left on.                               |   |
|  |  |  |  | SOS call not possible. No mobile phone found. |  |

|         |       |          |          |  |  |
|---------|-------|----------|----------|--|--|
|         |       |          |          | Brake pad warning  |     |
| 19.____ |       |          |          |  |  |
|         | 19.00 | LOCK: ON | CODE: 00 | <p>Unlock Menu</p> <p>Initial screen showing all menu's except 01, 02 and 19 are locked.</p> <p>Every subsequent press of the button increases the code.</p>                         |   |
|         |       |          |          | <p>Button been press 13 times to increment code to 13.</p> <p>You need to calculate your unlock code by adding up the last 5 digits of your VIN number which is listed in 01.00.</p> |  |

|         |       |                |      |   |  |
|---------|-------|----------------|------|---|--|
|         |       |                |      | <p>Here the unlock code is 17 and once 17 is reached a pause for a few seconds will unlock the other menus.</p>     |     |
|         |       | LOCK: OFF      |      | <p>This is what is displayed once the menus have been unlocked (it may jump back to 01.00 upon first unlocking)</p> |   |
| 20.____ |       |                |      |   |  |
|         | 20.00 | KORR-<br>VERBR | 1000 |   |  |

|  |       |            |      |  |  |
|--|-------|------------|------|--|--|
|  | 20.01 | 1er KORR   | 1003 |  | <p>A photograph of a red LED display. The display shows three lines of orange text: '20.01' on the top line, '1er KORR' on the middle line, and '1003' on the bottom line. A watermark 'www.m5board.com' is visible diagonally across the top right, and 'SCOOPZ' is visible in the bottom right corner.</p>   |
|  | 20.02 | 10er KORR  | 1034 |  | <p>A photograph of a red LED display. The display shows three lines of orange text: '20.02' on the top line, '10er KORR' on the middle line, and '1034' on the bottom line. A watermark 'www.m5board.com' is visible diagonally across the top right, and 'SCOOPZ' is visible in the bottom right corner.</p>  |
|  | 20.02 | 100er KORR | 1244 |  | <p>A photograph of a red LED display. The display shows three lines of orange text: '20.03' on the top line, '100er KORR' on the middle line, and '1244' on the bottom line. A watermark 'www.m5board.com' is visible diagonally across the top right, and 'SCOOPZ' is visible in the bottom right corner.</p> |

|         |       |        |  |   |   |
|---------|-------|--------|--|---|---|
| 21.____ | 21.00 | RESET? |  | <p>Well the name says it all. What exactly it resets I do not know but for those not brave enough to try it, I did ☺ and you get rewarded with the image below. You press the button to reset.</p>    |   |
|         |       |        |  | <p>Image shown once you select reset option. It didn't seem to reset much except my trip mileage, the date, time and units. All navigation, radio, Bluetooth, etc remain untouched by this reset.</p> |  |

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