**BMW Dash Codes**

**Description:**
By using the Trip-counter push button on you clock cluster within the car dash, data can be obtained and some system data can be reset.

**Instruction:**

1. By using your ignition key, turn your key within the ignition to the 2nd position, without starting your engine.
2. Ignition lights will display.
3. Hold and push in trip-counter button (approx. 7 secs.) or until the word ‘test 0 or 1’ appears within the central digital display.
4. The menus goes up to 21 with sub-menus (List follows):

**Note:** For the functions to work you will need to go to menu 19 (Displays as: L/Lock on/off - press to switch on/off (You will need to do this for each menu function.

 **Menu
Number System Data**

**1**  **Car Engine and cluster data**
1.0 4 6nnn Chassis nr/VIN serial number (last 5 digits)
1.1 4nnn K-number
1.2 690236 Cluster Part #
1.3 045210 Coding (04)/diagnosis (52)/bus index (10)
1.4 1200 Week (12)/year of manufacture (2000)
1.5 09\_160 Hardware (09) and software # (16.0) of cluster
1.6 Not used
1.7 04\_\_44 CAN-version (04) KI-revision index (44)

**2** **(test) Cluster System Test** - Activates the gauge drivers, indicators and LEDs to confirm function

**3** **SI Data**
3.0 1098 Used fuel in liters since last SI (Service Inspection)
3.1 0231 Periodic inspection days; elapsed days (since last SI)

**4** **Momentary Consumption**
4.0 0145+ Instant fuel consumption - 0145=14.5 liters/100km
4.1 0018 Instant fuel consumption - 0018=1.8 l/Hour

**5** **Distance Gone Consumption**
5.0 082 Average mileage; 082=8.2 liters/100km
5.1 0536 Calc. km to refuel (momentary distance to go)

**6** **Fuel Level sensor inputs in liters**
6.0 109330+ Fuel level averaged; Left half sensor input=10.9 liters; Right sensor input=33.0 liters
6.1 0439+ Total tank level averaged; vlgs 6.0: 10.9+33.0=43.9 liters
6.2 0442+ Indicated value (44.2) and tank phase

**7** **Temperature and Speed**
7.0 021+ Coolant/Engine temperature (2.1C)
7.1 130 Ambient/Outside temperature - chg met 5 pts. 125/130/135
7.2 + Engine speed / Current RPMs 1/min
7.3 + Vehicle speed / Current Speed in km/hour
 **8** **Input value in HEX form**
8.0 1d0+ System voltage ADC-Value Hex code
8.1 26C33C+ ADC Values HG left/HG right
8.2 0000 ADC Value brake degradation sensor (000=o.k.)
8.3 18C ADC Value outside temperature

**9** **Battery**
9.0 140 Battery Voltage - 140 = UB 14.0v
9.1 242013+?
9.2 074\_78+?
9.3 0011+?

**10** Not used

**11** Not used

**12** Not used

**13** **Gong/Gong Test**

**14** Not used

**15** **Status cluster I/O-ports (bit codes)** 0=low; 1=high 1st-belt contact, seat belt fastened=0;
 2) **ignition lock contact**, key inserted=0;
 3) door contact, door open=0;
 4) clock button pressed=0;
 5) SI reset=0, for reset=0;
 6) EGS transmission failure=0
 Status Digital Outputs (bits) 0=inactive,
 1=active Gong output;
 2) Brake warning lamp;
 3) Low fuel warning lamp;
 4) EGA lamp;
 5) seat belt lamp;
 6) manipulation dot.

**16** Not used

**17** Not used

**18** Not used

**19 Lock Status; unlocks functions in range 3-18
19.0 L-On/L-Off Unlock: press button when "L-Off"**

**20** Not used

**21** **Software Reset**; reset OBC settings