

To

access a whole slew of data and the instrument cluster test on an e46:

1. with the ignition off, hold the left instrument button
2. turn the key to position 1 (radio)
3. If you let go of the button and press again you will cycle through the following 20 tests.
4. If you want to access the submenus, release the button while a test menu number is being displayed, within a second, you will see Test number.0. You can then click again to cycle through the submenus. To get back to the main menu, press and hold the left key until you see the test number without the ".0".
5. Note, you can only access tests 1 and 2 without unlocking-- to unlock the other tests, go to test 19 and wait for the display to say "I-off", then click again. Now you can cycle through to the other tests

Test 1 (Vehicle specific data)

Sub Menu Sample Output Meaning

- 1.0 12345 VIN
- 1.1 4812 Body number
- 6_1.2 834762 Part number of cluster
- 1.3 010203 Coding/diagnosis/bus index
- 1.4 3499 Build date (week/year)
- 1.5 04_600 Hardware/software version of cluster
- 3_1.6 415_06 Injection status

Test 2 (instrument cluster test) as discussed already

Test 3 Service INterval data

- 3.0 1500 Liters
- 3.1 0 Periodic Inspection days (NA to US)

Test 4 (Fuel consumption data)

- 4.0 0267 26.7 liters/1000km
- 4.1 0073 7.3 liters/hour

Test 5 (Fuel consumer/ distance traveled)

- 5.0 0195 9.5/liters / 100km
- 5.1 226 Distance left to go

Test 6: Fuel level sensor input in liters

- 6.0 237415 Fuel level: Left side fuel sensor 23.7 liters Right side: 41.5 liters
- 6.1 0652 Tank level: 65.2 liters

1_6.2 0667 Indicated value and tank phase 1- both sensors ok 2-
one sensor fault 3 implausible input

Test 7 Temp and speed

7.0 032 Coolant temp input = 32 C

7.1 245 outside temp: 24.5 C

7.2 5283 Engine SPeed 5283

7.3 058 Vehicle speed

Test 8

Input vaues in HEx code

8.0-8.3 XXX Hex code, instrument cluster inputs

Test 9 Batter voltage

9.0 125 12.5 volts

Test 10 Country coding

10.0 02 US (=02)

Test 11 Cluster code

11.0 0000003 Cluster code

Test 12 Not used

Test 13 Gong test Activate gong by presing button (gong response
is delayed)

Test 14 Fault memory

Test 15-18 not used

Test 19 Lock/ unlock other tests

Test 20 Avg fuel consumption correction

20.0 Pressbutton when correc 1s position in attained

20.1 Press button when correct 10s position is attained

20.2 Press button when correct 100s position is attained

Test 21 Software reset

On 2001 models you can reset the oil service indicator by pressing
and holding the left button, until the cluster says "reset" then click
again.