



ECU - Electronic Control Unit

In terminology of VW-group it's any electronic device, which has been carried out some logic function. Sometimes it looks like nonsens - even simple relay can be called ECU.

The coding of Electronic Control Unit used for explain the ECU where it is and what "neighbours" does it have. Very often on modern cars the coding is crossed with adaptation.

Adaptation of the Electronic Control Unit serves to explain to the ECU with whom and how to talk (If we have started to speak allegories) and serves as storehouse of various adjustable parameters. (part of memory in the Control Unit which can be changed via internal software)

Measured Values Blocks (MWB) – various parameters being inbound or calculated. Considering to value of MWB Electronic Control Unit, trying to "control"... Using of MWB allows you (if you know the basic parameters) to find out "close to boundary" or temporarily arising (intermittent, sporadic) malfunctions and many other useful things at competent use.

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J393_8Z_57____21_0204_21.htm
J393_8Z_57____60_0204_21.htm
J393_8Z_57____61_1000_21.htm
J393_8Z_57____1_0204_21.htm
J393_8Z_57____1_0204_21_Allg_Beschreibung.htm
J393_8Z_57____1_1100_21_Stellgliedtest_ZKE.htm
J393_8Z_57____1_1100_21_Steuergeraeteversion.htm
J393_8Z_57____1_1200_21_MWB_lesen.htm
J393_8Z_57____7_1100_21.htm

Convenience system central control unit -J393 Reading measured value block

The following measured values are displayed:

Measured value block 001:

1. Key switch driver side (open/closed/unpressed)
2. CL inside button driver side (lock/unlock/ unpressed)
3. Feedback lock driver side (locked/unlocked)
4. Feedback lock driver side (safe/ not safe)

Measured value block 002:

1. Key switch driver side (open/closed/unpressed)
2. Key switch passenger side (lock/unlock/ unpressed)
3. Feedback lock passenger side (locked/unlocked)
4. Feedback lock passenger side (safe/ not safe)

Measured value block 003:

1. Feedback lock rear right (locked/unlocked)
2. Feedback lock rear right (safe/ not safe)
3. Feedback lock rear left (locked/unlocked)
4. Feedback lock rear left (safe/ not safe)

Measured value block 004:

1. Door contact switch driver side (door open/door closed)
2. Door contact switch passenger side (door open/door closed)
3. Door contact switch rear right (door auf/ door to)
4. Door contact switch rear left (door auf/ door to)

Measured value block 005:

1. Button for tailgate unlock (pressed/ unpressed)
2. Contact switch tailgate (tailgate open/tailgate closed)
3. Softtouch for tailgate unlock (pressed/ unpressed)
4. Contact switch bonnet (bonnet open/bonnet closed/ n.fitted)
Only fitted with anti-theft alarm option.

Measured value block 006:

ECU
Sensors
Actuators

Site news

November 30, 2012

Content update

We are starting big site update. We are sorry for bugs and missed content. We are especially grateful for financial support of our site

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Measured value block 006:

1. Courtesy light (on/off)
2. Enable for window lifter ([relay on/relay off](#))*
3. **Convenience opening/closing** (open/close/unpressed)
Convenience closing of sun roof only possible via lock cylinder.
4. **Boot light** (on/off)

YZNote:

J The window lifter enable relay is built into the convenience system central control unit -J393 and is activated by terminal 15. It supplies the sun roof and the window lifter logic with voltage. In parallel, the enable signal is sent over the Group convenience system data bus to the door electronics.

J the convenience opening/closing function is set by default in the coding. In case of a fault also check the coding.

Measured value block 007:

1. **Key from learned position** (0/ 1/ 2/ 3/ 4).
*The number indicates the memory position of the learned key currently pressed.
0 signifies an unlearned key.*
2. Radio signal command (1/ 2/ 3/ 4). 1:Open; 2:Close; 3: Tailgate; 4: Panic button (USA)
3. Learned key at memory location (0/1 0/1 0/1 0/1). 0= vacant; 1= occupied
4. Vacant

Measured value block 008:

1. Road speed signal (current value/ no communication/ no measured value)
2. Immobiliser, key detected (yes/ no/ no communication)
3. **Rear window heater** (on/off)
4. Vacant

YZNote:

J If after switching on the rear window heater by way of the button in the air conditioner operating unit "Off" is still displayed, an adaption to "no air conditioner" was carried out even though an air conditioner is fitted. Check adaption channel 60 (adaption channel for air conditioner operating unit) is set correctly.

Measured value block 009 (not outputted by control unit):

1. Coding
2. Coding
3. Coding
4. Coding

Measured value block 010:

1. Door contact switch driver side (door open/door closed)
2. Interior monitoring button ([pressed/ unpressed/n. fitted](#))
Only fitted with anti-theft alarm option.
3. Hand brake ([pressed/ unpressed](#))
4. Reverse light (off/on/unpressed)

Measured value block 011:

1. Window lifter button, driver side (auto.open/ auto.close/ man.open/ man.close/ unpressed)
2. Window lifter thermal protection driver side activated (yes/no)
3. Window lifter switch child lock (off/on)
4. Vacant

Measured value block 012:

1. **Window lifter button, driver side, for front passenger**
(auto.open/ auto.close/ man.open/ man.close/ unpressed)
2. **Window lifter button DS for front RR**
(auto.open/ auto.close/ man.open/ man.close/ unpressed/n.fitted)
3. **Window lifter button DS for front RL**
(auto.open/ auto.close/ man.open/ man.close/ unpressed/n.fitted)
4. Vacant

Measured value block 013:

1. Mirror adjustment switch (pos. X+/ pos. X-/ pos. Y+/ pos. Y-/ unpressed)
2. Mirror selection switch (left/ right/ fold in/ unpressed)
3. **Folding mirror adjustment switch** (n.fitted)
4. **Mirror heater** (on/off)*

YZNote:

J If after switching on the rear window heater by way of the button in the air conditioner operating unit "Off" is still displayed, an adaption to "no air conditioner" was carried out even though an air conditioner is fitted. Check adaption channel 60 (adaption channel for air conditioner operating unit) is set correctly.

Measured value block 014:

1. Window lifter button, passenger side (auto.open/ auto.close/ man.open/ man.close/ unpressed)
2. Window lifter thermal protection front passenger side activated (yes/no)
3. Vacant
4. Vacant

Measured value block 015:

1. **Window lifter button, rear right**
(auto.open/ auto.close/ man.open/ man.close/ unpressed/n.fitted)
2. Window lifter thermal protection rear right activated (yes/no/n.fitted)
3. **Window lifter button, rear left**
(auto.open/ auto.close/ man.open/ man.close/ unpressed/n.fitted)
4. Window lifter thermal protection rear left activated (yes/no/n.fitted)

Measured value block 016:

1. Vehicle voltage terminal 30 (current value in V)
2. Ignition (term. 15 in/ term. 15 out/ no communication)
3. S-contact (pressed/ unpressed/ no communication)
4. Bus status ([one-wire/two-wire](#))

Measured value block 17:

- 1. Communication with door control unit, driver side (driver door 1/ driver door 0)
- 2. Communication with door control unit, front passenger side (pass. door 1/ pass. door 0)
- 3. Communication with door control unit rear left (door rl 1/ door rl 0/n.fitted)
- 4. Communication with door control unit rear right (door rr 1/ door rr 0/n.fitted)

YZNote:

J With readout (D-door 1; P-door 1; Door rl 1; Door rr 1) communication from the convenience system central control unit to the relevant door control unit is safeguarded.

J With readout (D-door 0; P-door 0; Door rl 0; Door rr 0) no communication from the convenience system central control unit to the relevant door control unit is safeguarded. There is a fault in the wiring (CAN).

J With readout (n.fitted) either no rear door control units are fitted or they are not enabled in adaption channel 61 (adaption, variant reduction).