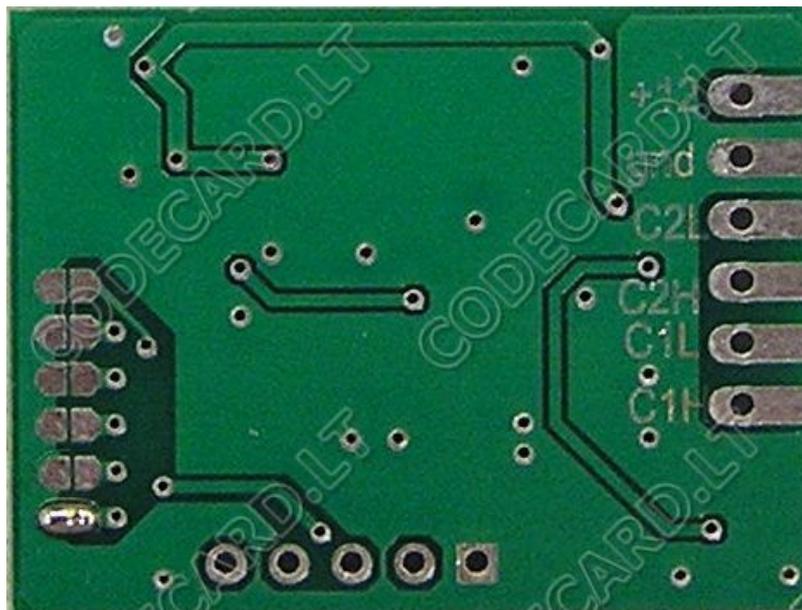


## CODECARD CANEMU connection manual for Mercedes

### 1. CANEMU installation instructions for Mercedes ML W164, GL X164, R-class W251

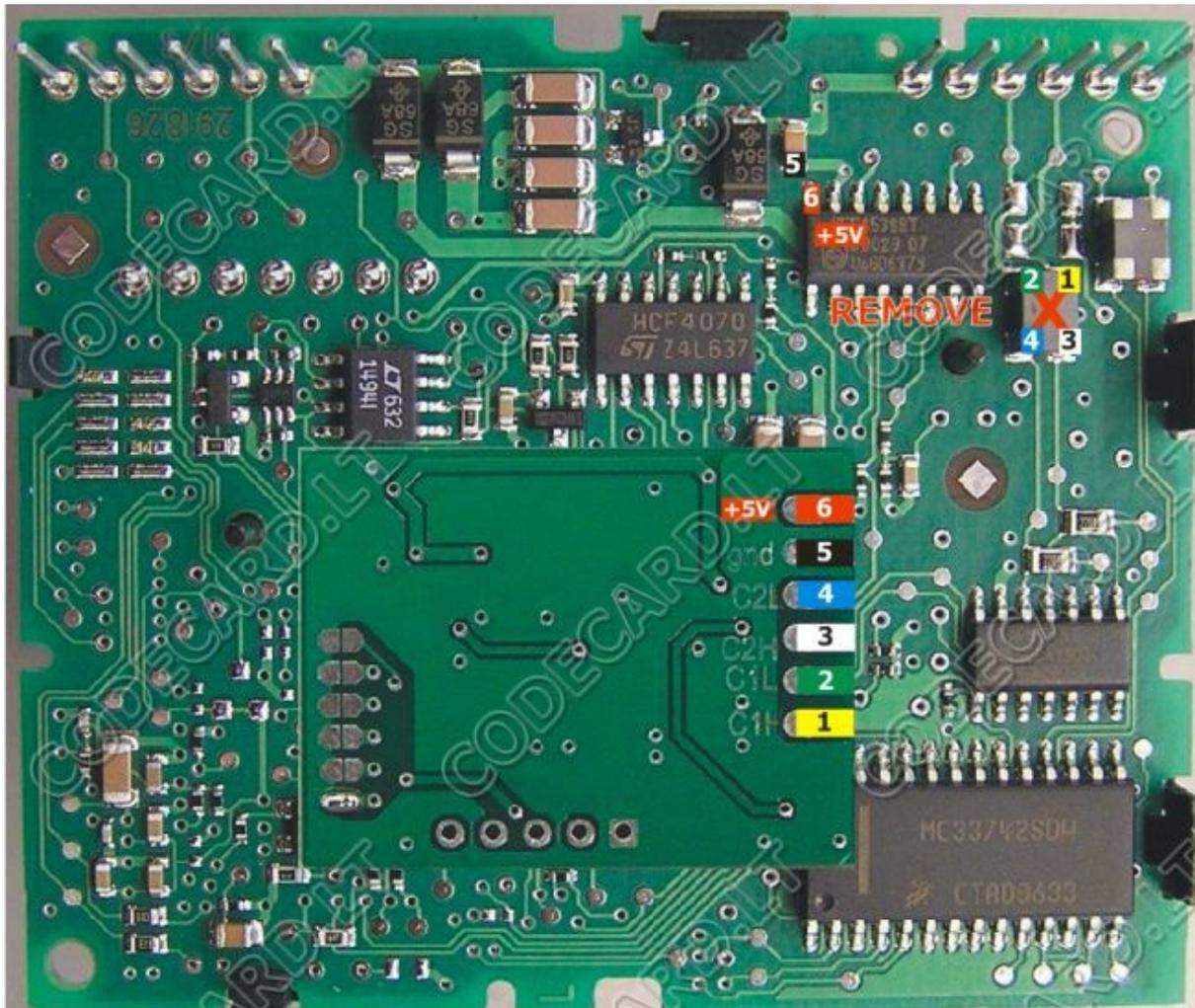
In these models Mercedes use 2 kinds of EZS (also named EIS-electronic ignition switch): in older cars <2007 - with 9S12 processor, in new cars 2007+ - EZS with AMAZONAS processor. **CANEMU** will work with both EZS types. For installation remove EZS from car.

- For first prepare **CANEMU** board: remove resistor marked in picture and solder first configuration points. Use fine KYNAR wire for installation.

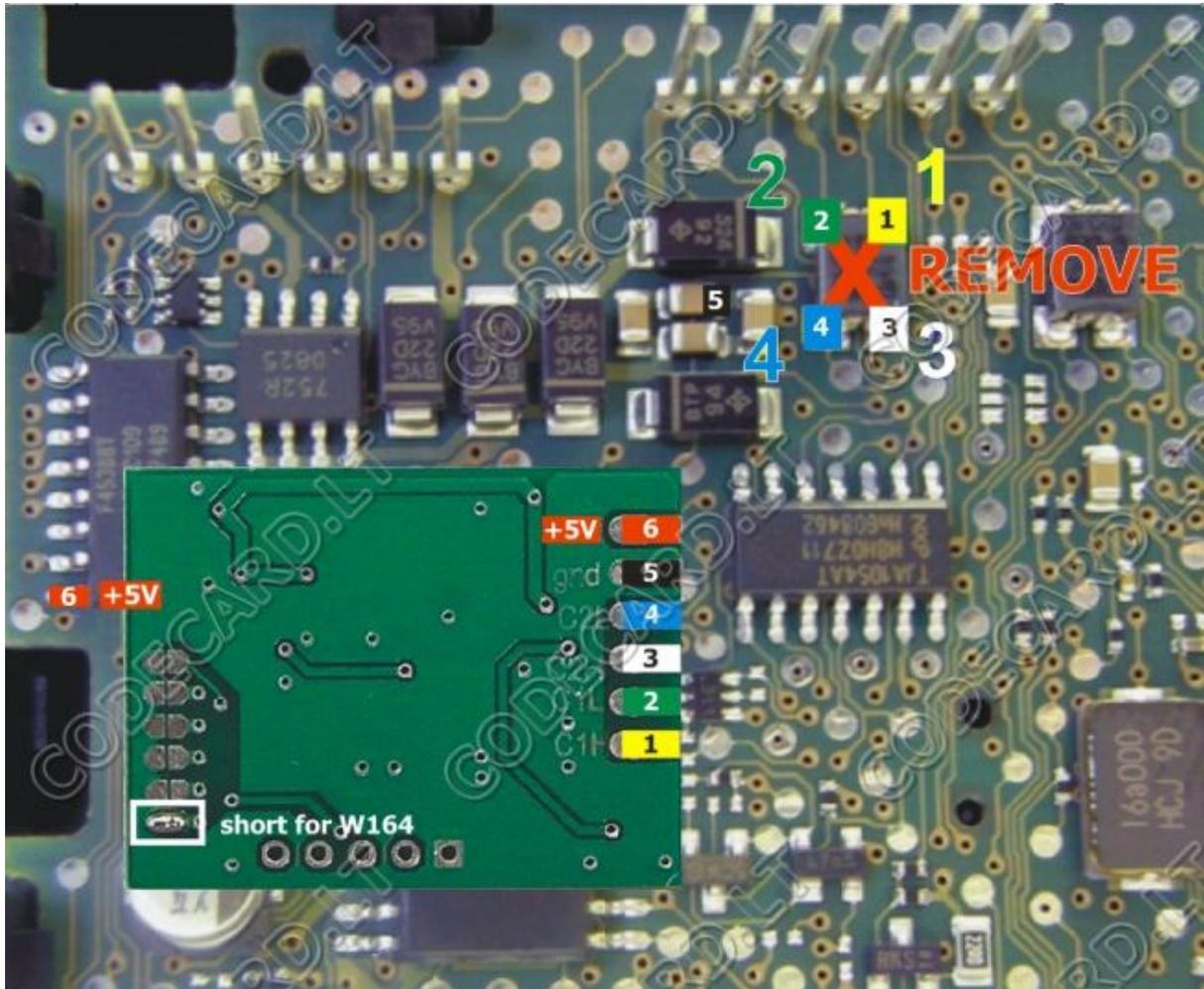


Remove from EZS board SMD part marked with red "X". With short, good isolated wire connect **CANEMU** to EZS board according picture: 1-1 (C1H), 2-2(C1L), 3-3(C2H), 4-4(C2L), 5-5(GND), and 6-6 (+5V).

**CANEMU installation instructions for Mercedes ML W164, GL X164, R-class W251 Type 1:**



**CANEMU installation instructions for Mercedes ML W164, GL X164, R-class W251 Type 2:**

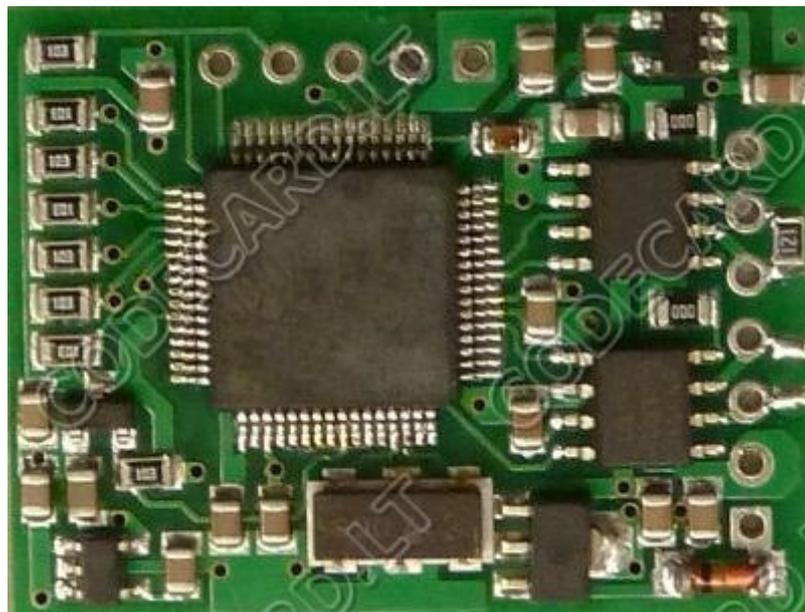


After connection insulate **CANEMU** board with heat shrink or insulation tape. Put it carefully to EZS casing.

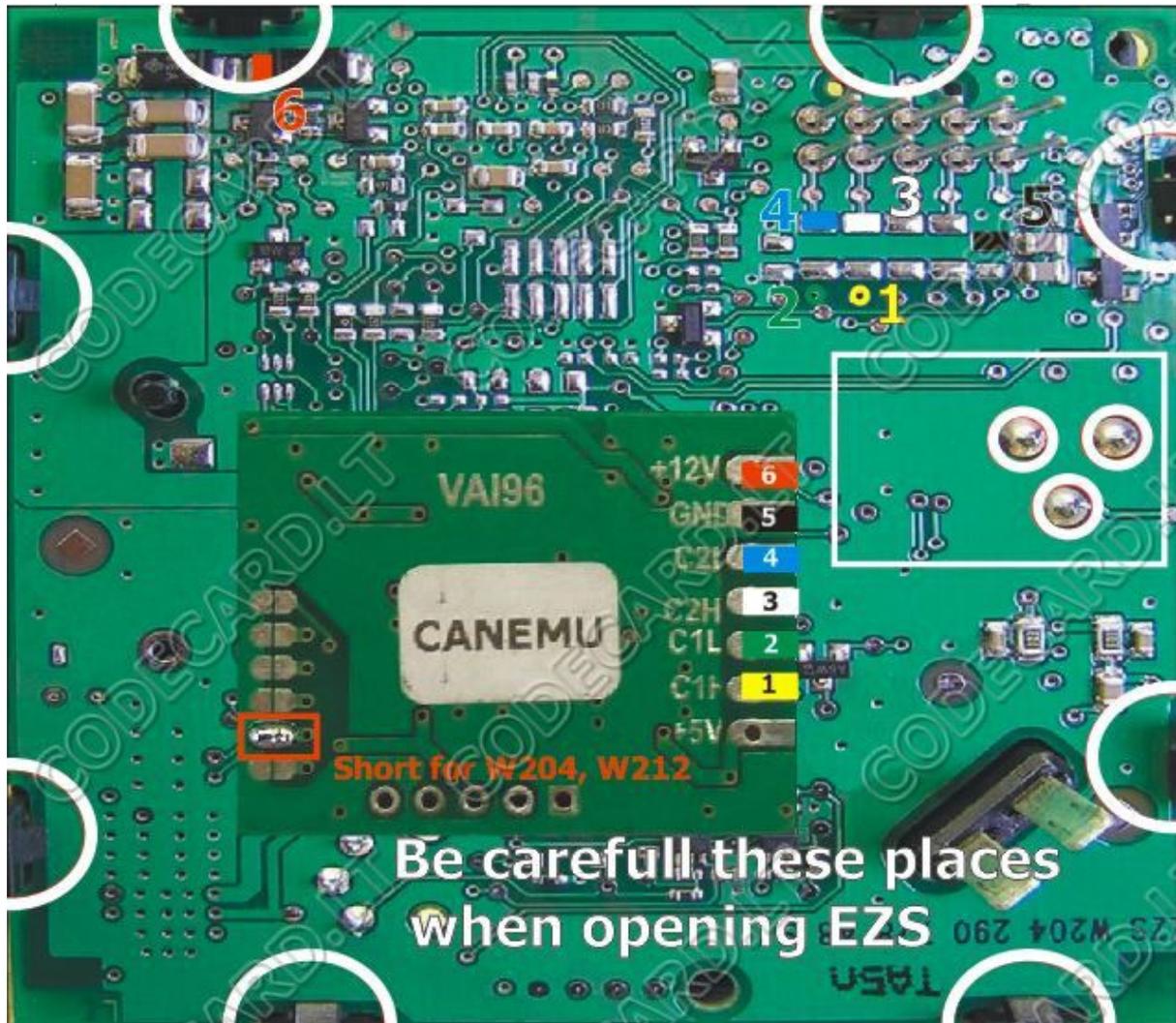
## 2. CANEMU installation instructions for Mercedes C-class W204.

In these models Mercedes use new EZS with NEC processor marked IRLAND or HAVANNA (also named EIS-electronic ignition switch). CANEMU will work with both EZS types. For installation remove EZS from car.

- For first prepare **CANEMU** board: check - resistor 121 must be soldered and solder second configuration points like in pictures.



Remove EZS board from casing. Carefully disconnect board from mechanic – look on picture.



Remove from EZS board SMD part marked with red "X". With short, good isolated wire connect **CANEMU** to EZS board according picture: 1-1 (C1H), 2-2(C1L), 3-3(C2H), 4-4(C2L), 5-5(GND), and 6-6 (+5V).

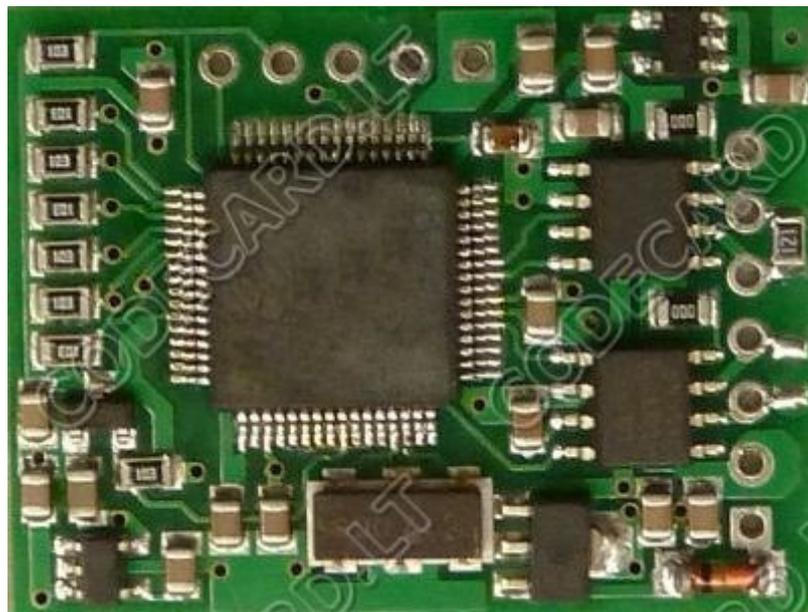


After connection insulate **CANEMU** board with heat shrink or insulation tape. Put it carefully to EZS casing.

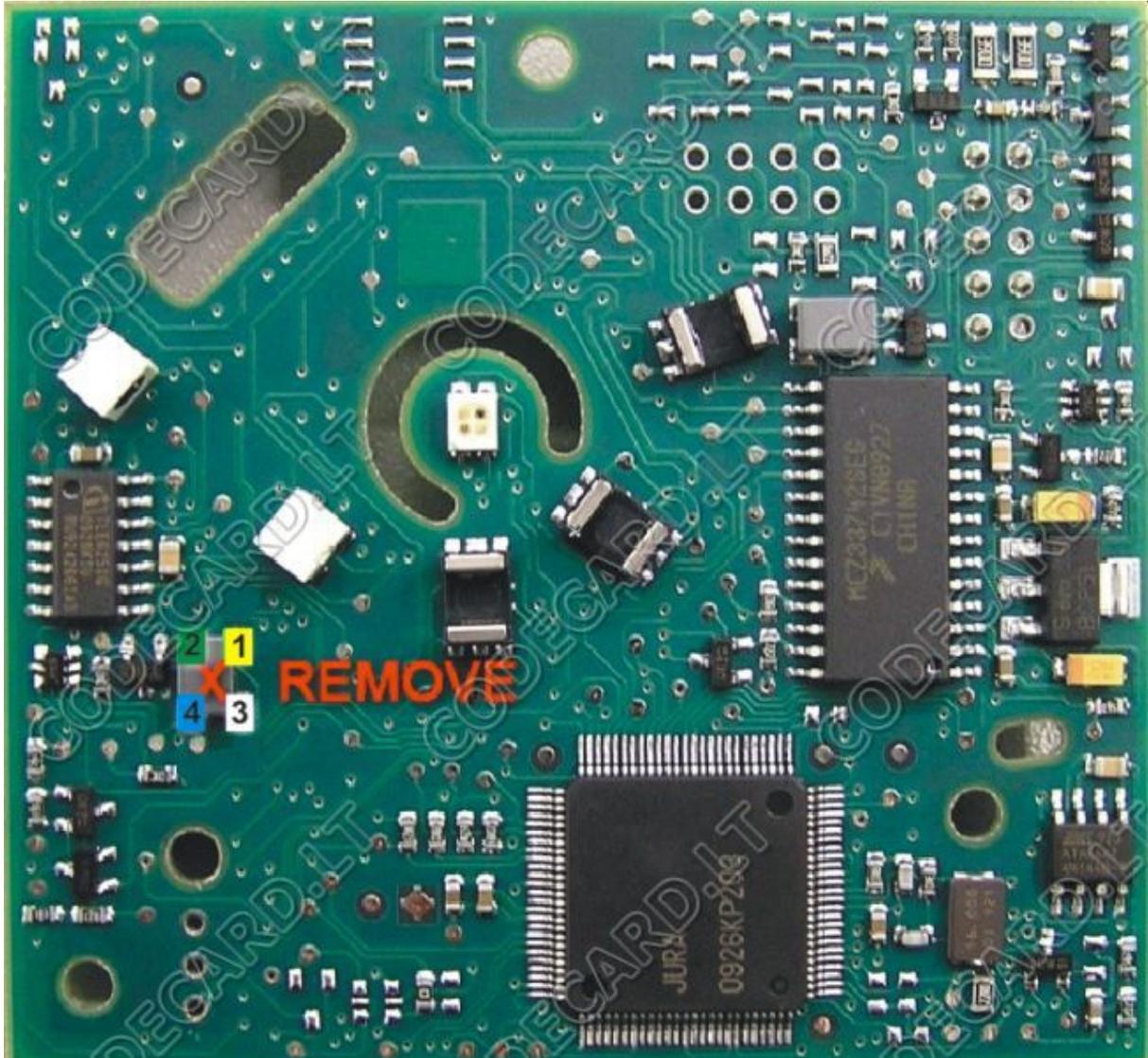
### 3. CANEMU installation instructions for Mercedes E-class W212.

In these models Mercedes use new EZS with NEC processor marked JURA (also named EIS-electronic ignition switch). **CANEMU** will work with both EZS types. For installation remove EZS from car.

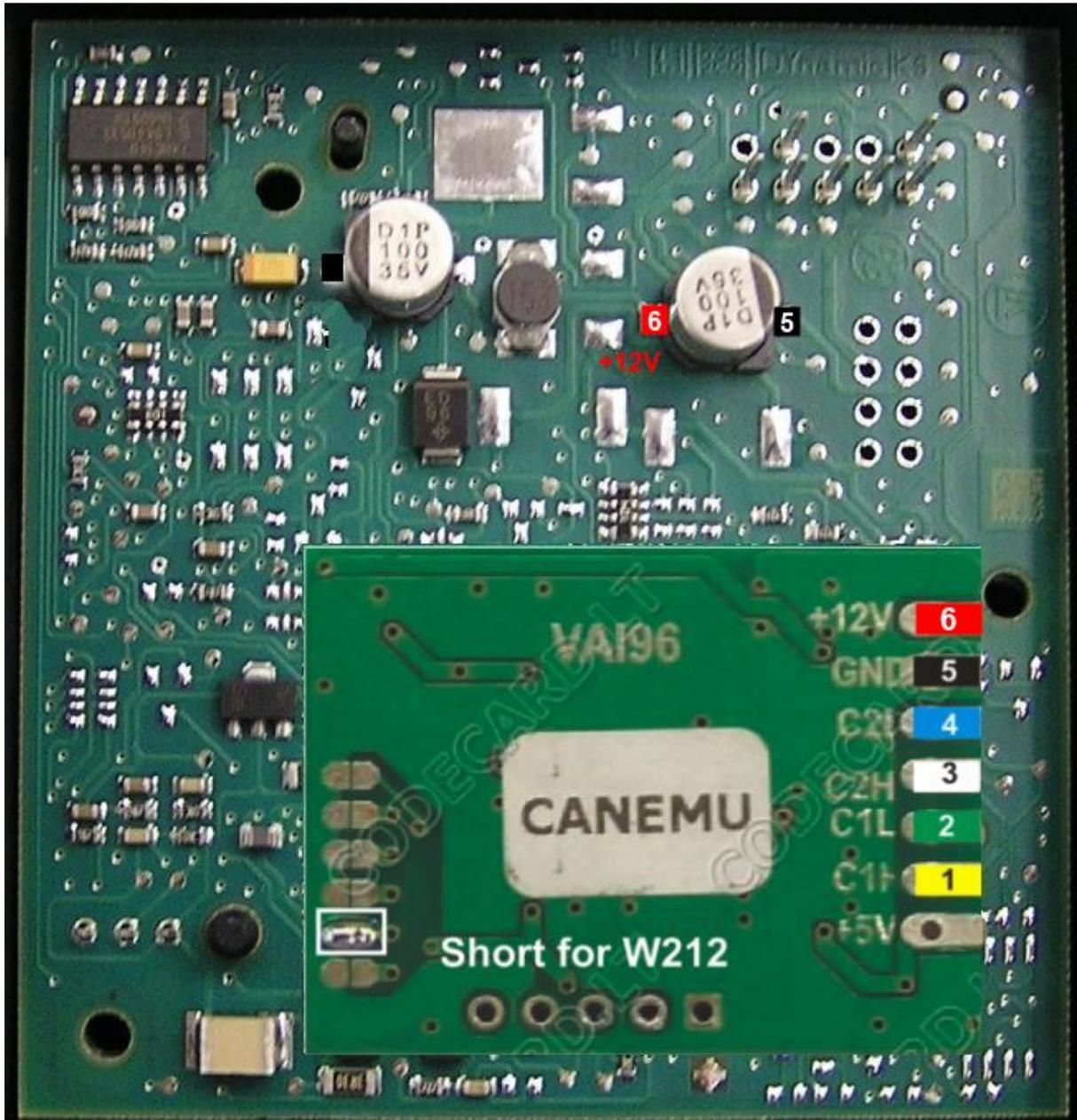
- For first prepare **CANEMU** board: check - resistor 121 must be soldered and solder second configuration points like in pictures.



Remove EZS board from casing. Carefully disconnect board from mechanic – look on picture.



Remove from EZS board SMD part marked with red "X". With short, good isolated wire connect **CANEMU** to EZS board according picture: 1-1 (C1H), 2-2(C1L), 3-3(C2H), 4-4(C2L), 5-5(GND), and 6-6 (+5V).

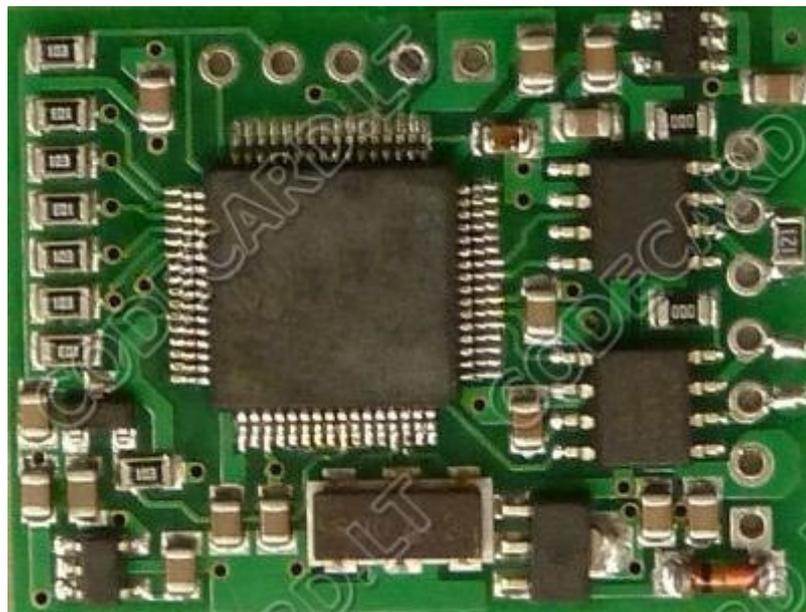


After connection insulate **CANEMU** board with heat shrink or insulation tape. Put it carefully to EZS casing.

#### 4. CANEMU installation instructions for Mercedes S-class W221

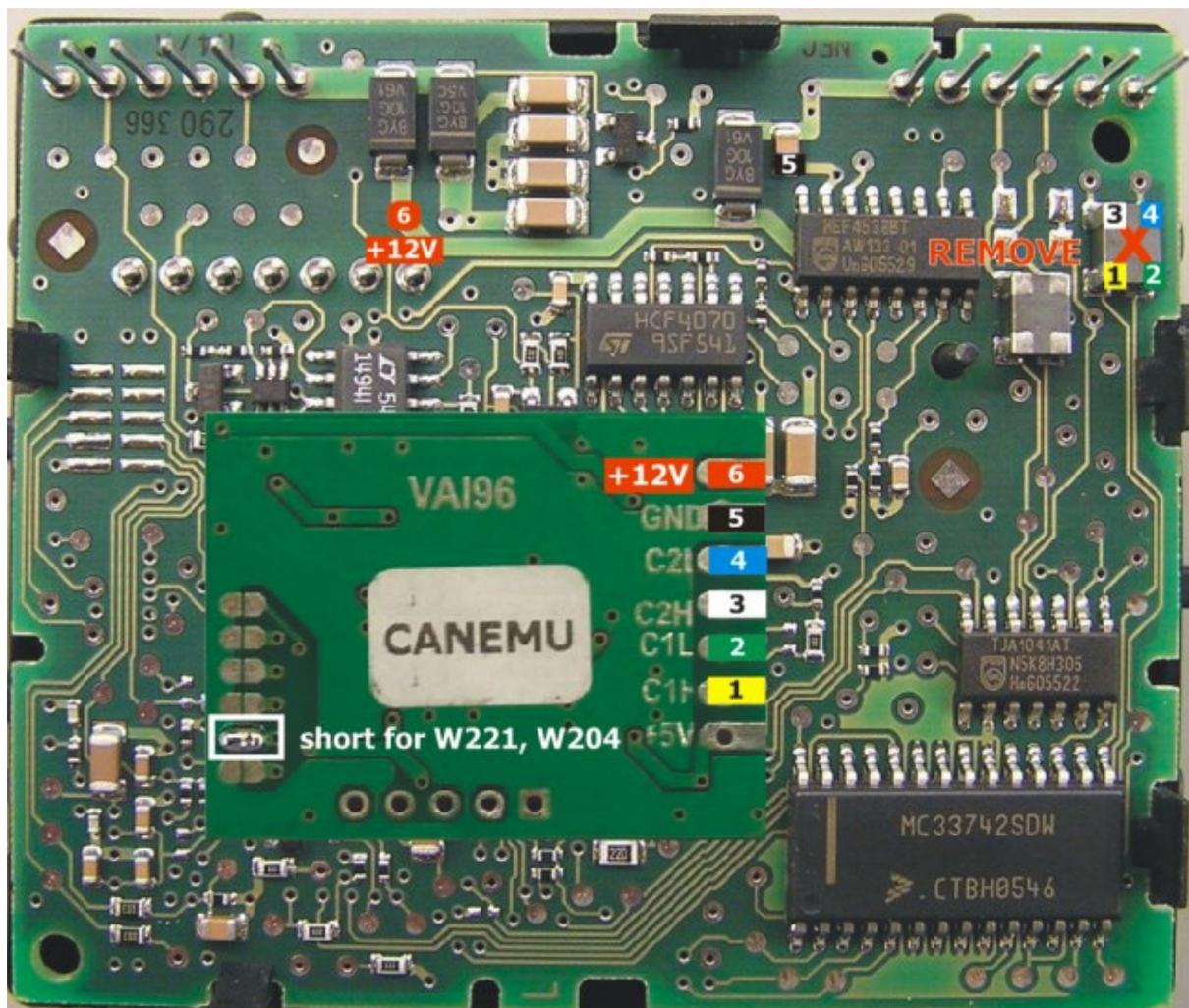
Mercedes W221 use new EZS with NEC processor marked IRLAND or HAVANNA (also named EIS-electronic ignition switch). **CANEMU** will work with both EZS types. For installation remove EZS from car.

- For first prepare **CANEMU** board: check - resistor 121 must be soldered and solder second configuration points like in pictures.



Remove from EZS board SMD part marked with red "X". With short, good isolated wire connect **CANEMU** to EZS board according picture: 1-1 (C1H), 2-2(C1L), 3-3(C2H), 4-4(C2L), 5-5(GND), and 6-6 (+5V).

**Mercedes S-class W221 Type 1:**

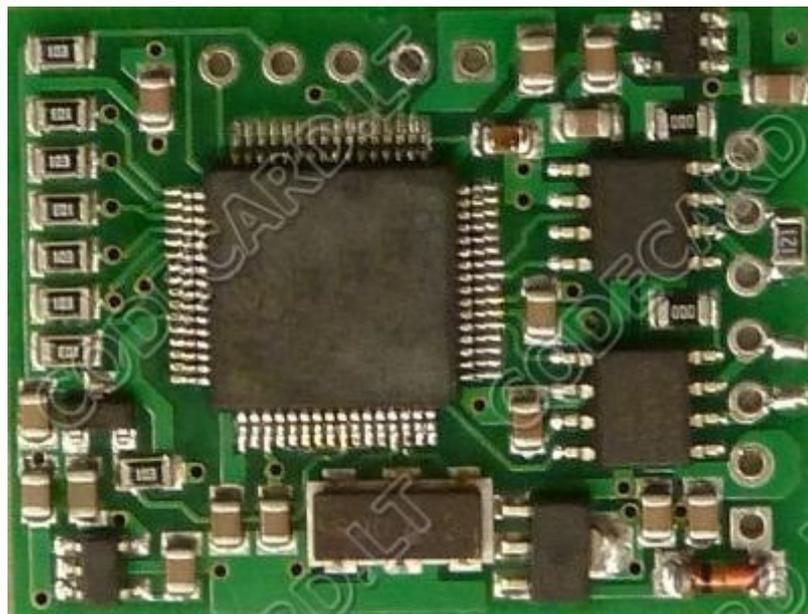




**5. CANEMU installation instructions for Mercedes W166, W176, W246 and others from year 2012. Will block ONLY instrument cluster odometer synchro with EZS – by OBDII you still will read original odometer from EZS**

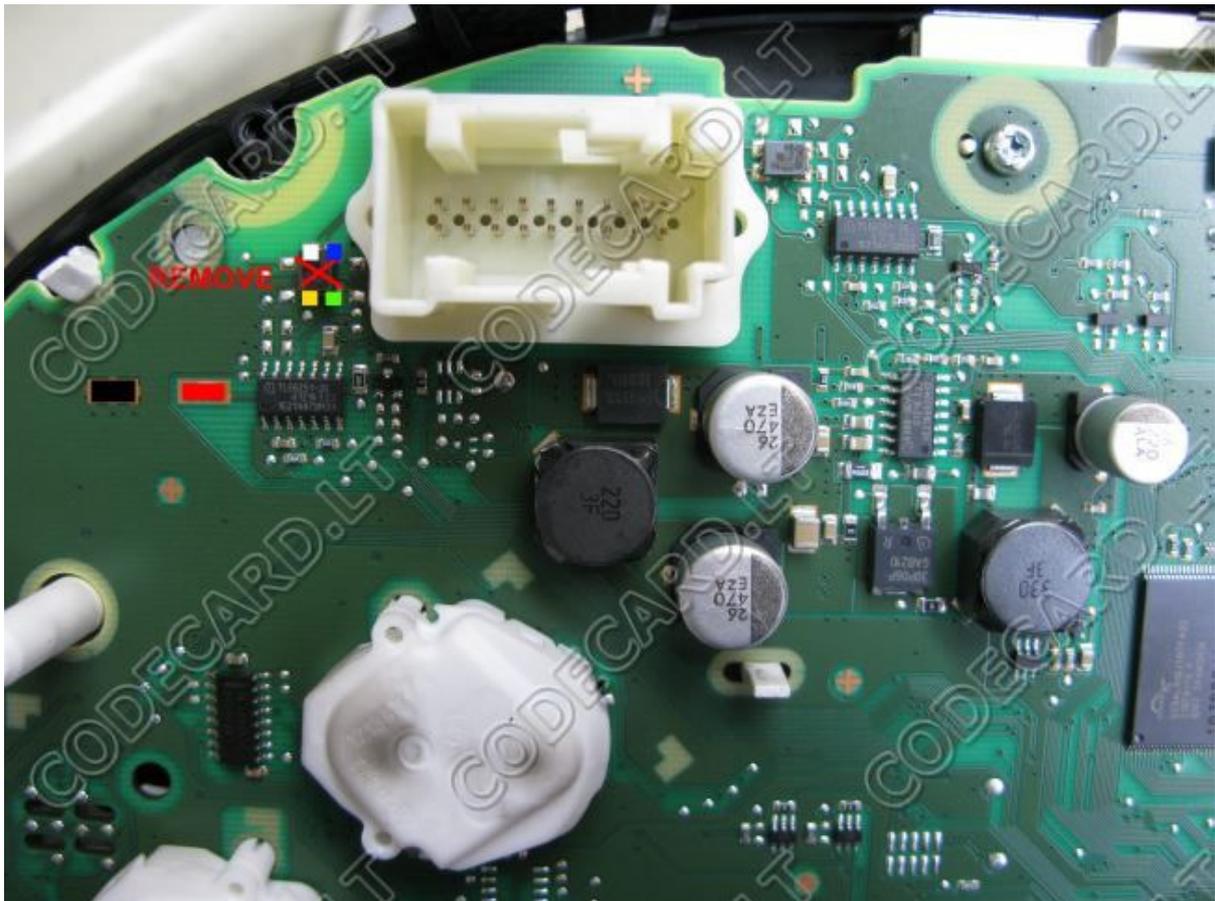
In these models Mercedes use new EZS with CAN gateway integrated inside EZS. To block odometer from EZS install CANEMU directly in instrument cluster **or** in EZS.

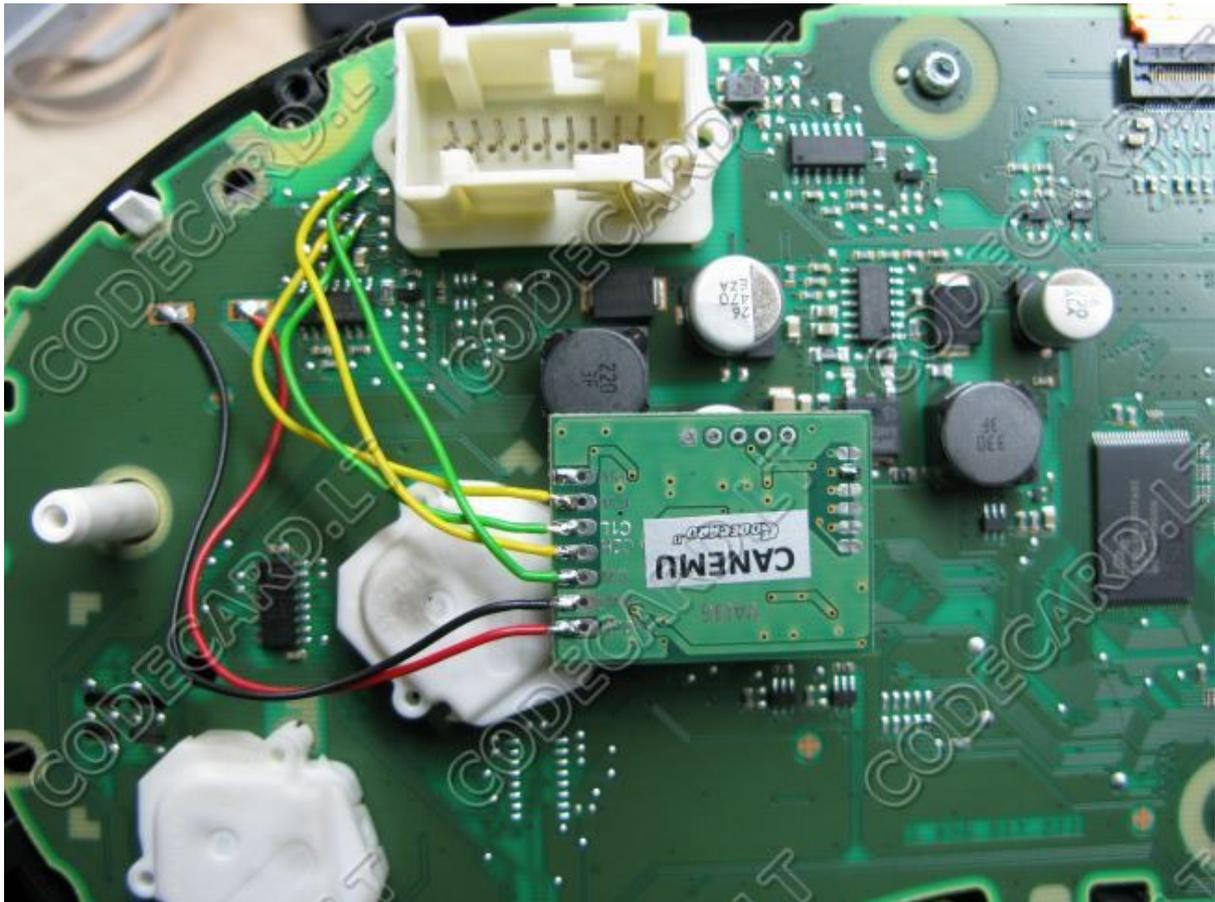
- For first prepare **CANEMU** board: check - resistor 121 must be soldered and solder second configuration points like in pictures.





- CANEMU installation in instrument cluster:







- Also you can install CANEMU directly in EZS (**in this case you no need instal CANEMU in instrument cluster – select more comfortable way for you**).

