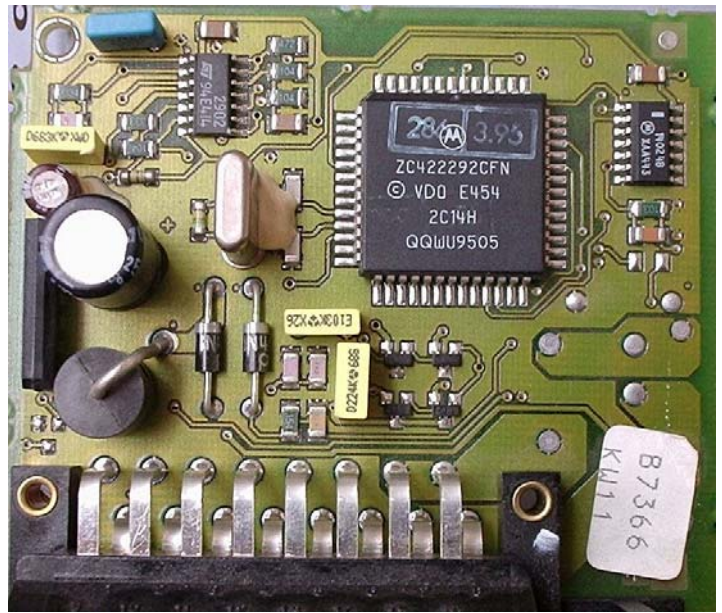


Daewoo VDO

The current module for Omega-MTRK allows work with immobilizers Daewoo manufactured by VDO.



The following rows have to be added in the configuration file of MTRK (immo.cfg):

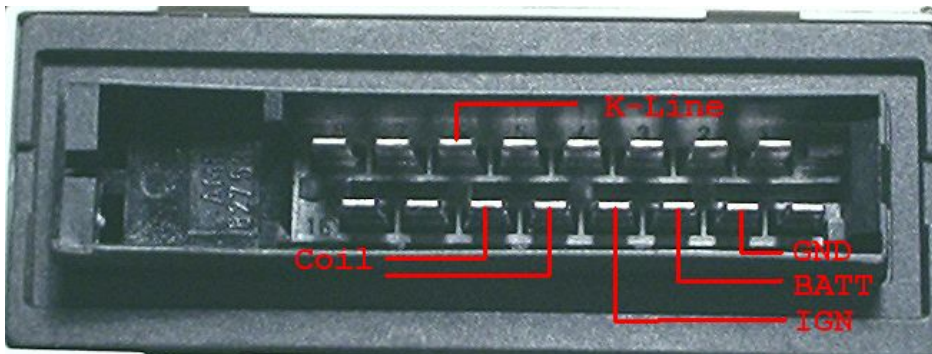
```
GROUP=DAEWOO  
CHIP=VDO 412.231/004/001,256, Daewoo\vdo.hpx  
AREA=EEPROM,256,0100H,w  
BAUDB=8192  
BAUDC=8192  
LOADER=OFF
```

In the immobilizer is used processor MC68HC05B6, with EEPROM capacity 256 baits. But while using its service capabilities only 143 baits (0100-018E) can be read.

These memory areas are used by the commanding program of the immo the other clusters are clear (contain FF).

To work with the immo K-line adapter for MTRK is used. Any adapter can be used like for example in Nissan immobilizers.

Connecting to the Immobilizer:



It is strongly recommended to start work with immobilizer by reading the dump from the EEPROM and saving it in a file.

Module features for work with the Immobilizer:

[Read Key]

Allows read the transponder from the key in a set reading coil. As a result there will be 5 bites which are transponder ID (Megamos-13). Possible Errors during reading :

Message 99. Key already learned into system.

Error 31. Transponder not found.

Error 32. – Deciphering of the error unknown.

Error 33. Strange transponder type.

Error 34. Transponder CRC error.

Error 55. – Failed to read the transponder. Try read again.

Error 77. – Deciphering of the error unknown..

[Add Key]

Allows to register a key in the EEPROM. It is recommended to use **[Read Key]** before this procedure. Make sure that the transponder is placed correctly according to the reading coil and reading its ID is true and only then use this function.

[Erase All Key]

Erases all key records in EEPROM. For the following registration of keys use the function **[Add Key]**.

[Erase Synchro]

Erases synchronization baits in the motor computer. New randomly generated synchronization baits will be written in the dumb by the immobilizer during key registration.

To create a key using the read dump can be used «Gambit».