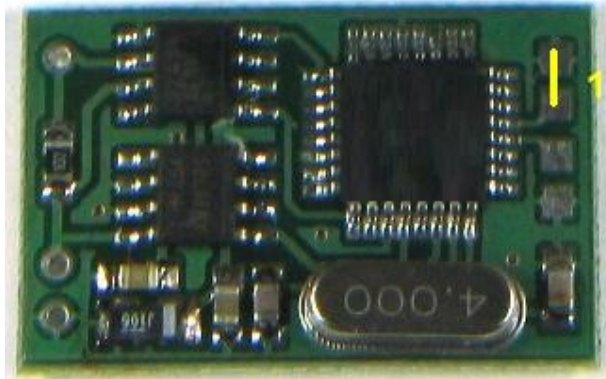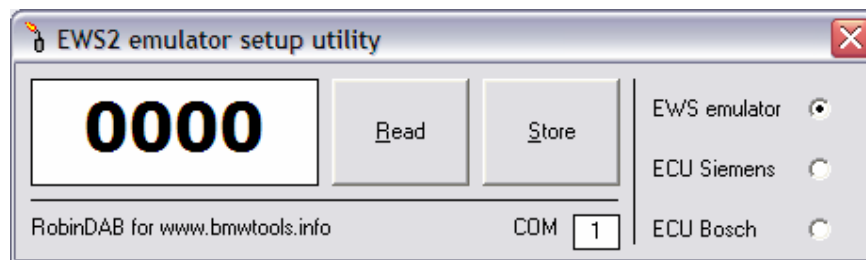# BMW EWS2, EWS3.2 EMULATOR
E34, E36, E38, E39, E46

INSTALLATION:

1. Remove original EWS2 control unit, find +12v ACC, GND, K-line wires, attach emulator. Emulator must be in service mode: **JUMPER 1** shorted.
2. Connect ANY K-line diagnostic adapter to vehicle diagnostic connector and launch **EMULATOR CONFIGURATION UTILITY:**

3. Choose COM port, write in desired ISN number, press button **Store**. Or -
4. For some ECU's it is possible to read ISN number directly from engine control unit. In this case select **option** "ECU xxxxx", press **Read**. Software will try to read ISN. If successful, choose **option** "EWS emulator" and press button **Store** to save ISN number into emulator.
5. Disconnect emulator from K-line, remove JUMPER 1 and connect K output from emulator to DME(DDE) <-> EWS line.
6. Don't forget to short two starter relay wires (EWS connector)!
7. Car is ready to start.

In case of EWS3.2 similar procedure is used, only difference is that EWS3 unit it is NOT connected directly to diagnostic K-line.

There are NO any counters or car starts limited. You can change and store new ISN without any limitations.

Emulator is shipped with **JUMPER 1** shorted. For testing purposes ISN 0579 is stored by default.

How to connect emulator for configuring purposes without car (jumper 1 must be bridged!):

12v
+ −

use any 8...14v DC power supply,
laboratory grade preffered

OBD connector
car side!
use any K-line compatible hardware (D-CAN,
STD:OBD, VCDS COM version, VAGPROG etc.)

k

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