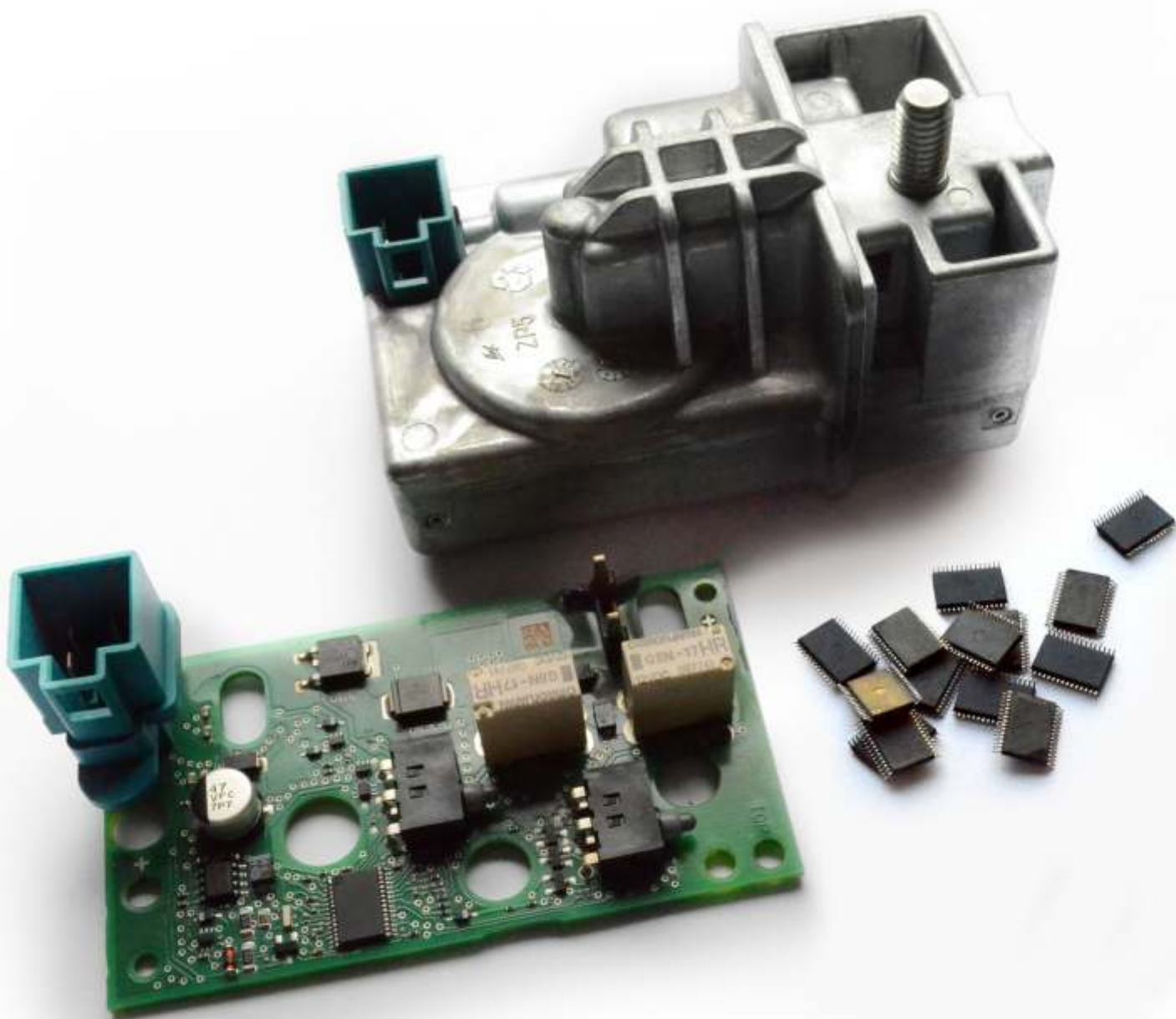# ESL ...
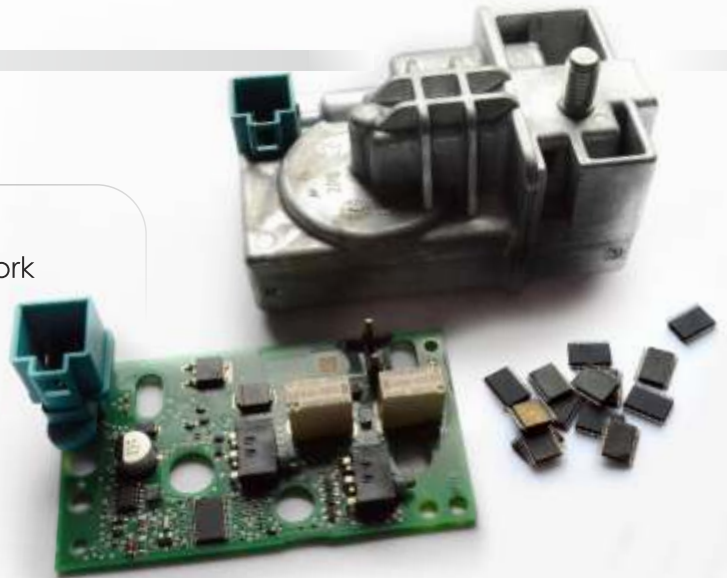## chip emulator
for W204/W207/W212

MANUAL

ESL . . . .
chip emulator
for W204/W207/W212

This manual explains the way you should work with ESL chip emulator for W204/207/212 to achieve your goal. If you have faulty ESL (electronic steering lock) use new solution presented by MBE and replace ESL NEC IC with MBE emulator.
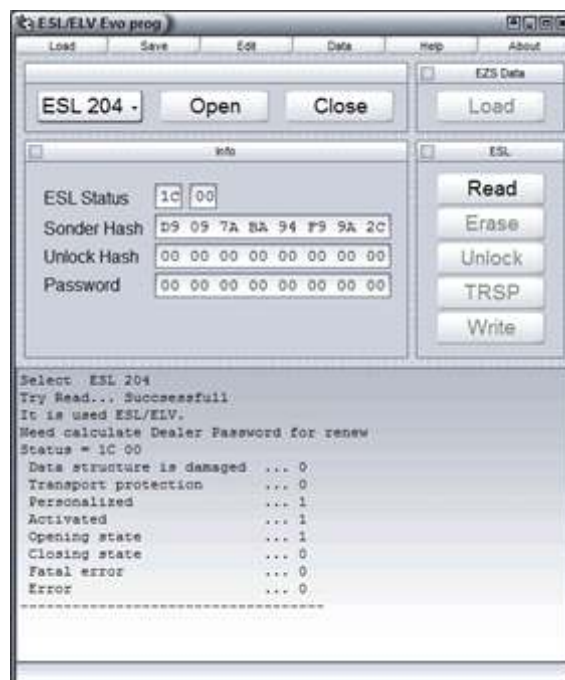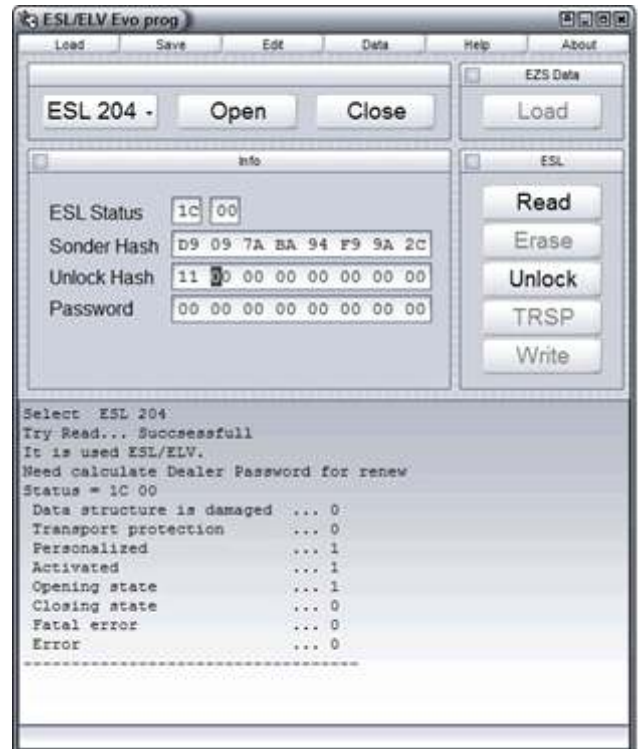
NOTE:

- MBE ESL chip emulator is especially useful when you have 'FATAL ERROR' or original motor is broken/ jammed

- you need to use GRNKEY.ESL dump – as if you'd program new or renewed ESL

- ESL with MBE ESL chip emulator is recognized as a normal ESL (by diagnostics software/ equipment)

- motor should be removed from ESL.

BASIC OPERATION

1. Remove original NEC IC from ESL/ELV board, solder MBE ESL chip emulator in place
2. Connect MB Keyprog2 EVO to ESL/ELV green connector with use of W204 K-line cable
3. Open the 'ELV EVO prog' software.
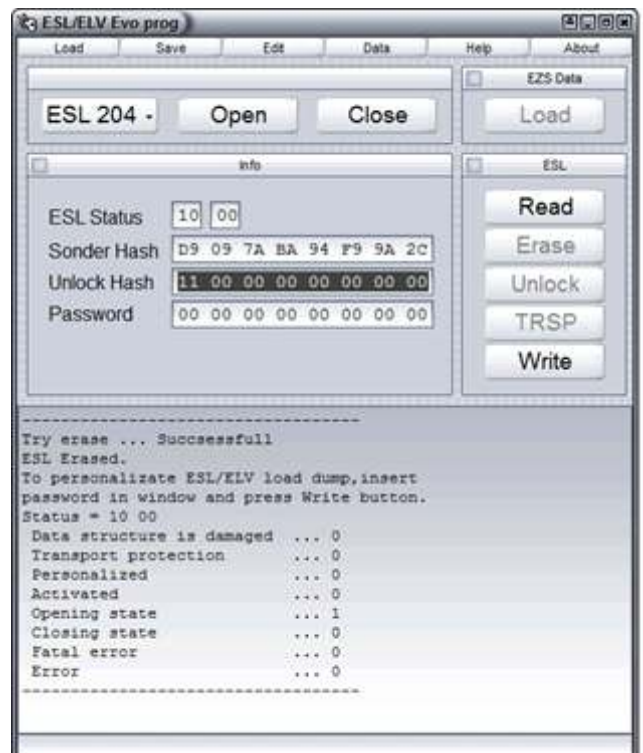4. Choose ESL 204 – from drop down menu
5. Click READ.

6. To activate WRITE option –
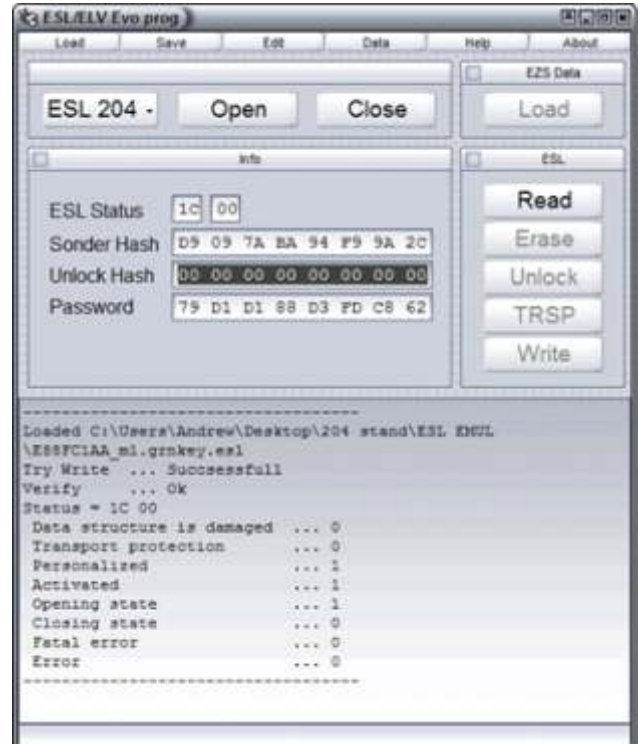change any data in UNLOCK HASH

7. Click UNLOCK

NOTE:

Use the same procedure if you want to use
MBE ESL chip emulator once again in a different
car, this way you 'renew' microprocessor.

8. Load GRNKEY.ESL file into the software (file is calculated on www.sonderhash.com server – entire procedure is described in 'ESL EVO prog' software user manual) and click WRITE:
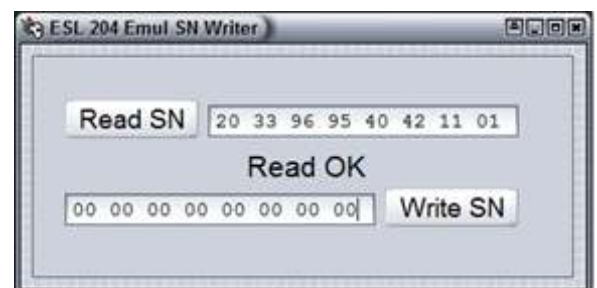

9. ESL with MBE ESL chip emulator is ready to be installed in the car now.
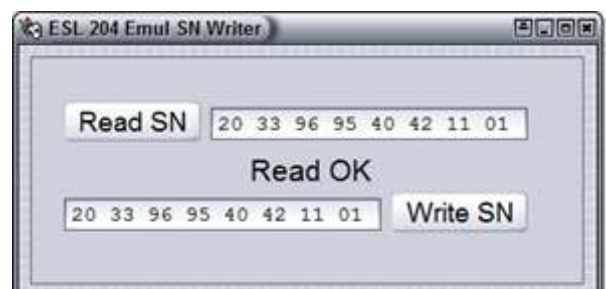
ESL/ELV serial number writing

If you want ESL/ELV with MBE ESL chip emulator to have the same serial number as the original ESL/ELV use software called 'ESL SN writer'.

1. Connect MB Keyprog2 EVO to ESL/ELV green connector with use of W204 K-line cable
2. Run 'ESL SN Writer' software
3. Click READ.

4. Copy serial number and paste its value to the WRITE SN
5. Connect MB Keyprog2 EVO to ESL/ELV green connector with use of W204 K-line cable (ESL/ELV should already have MBE ESL chip emulator installed)

6. Click WRITE SN button. Wait till the message WRITE OK appear.
7. Now you can check if values were written properly by reading value from ESL/ELV once again