

# MB Keymaker Pro



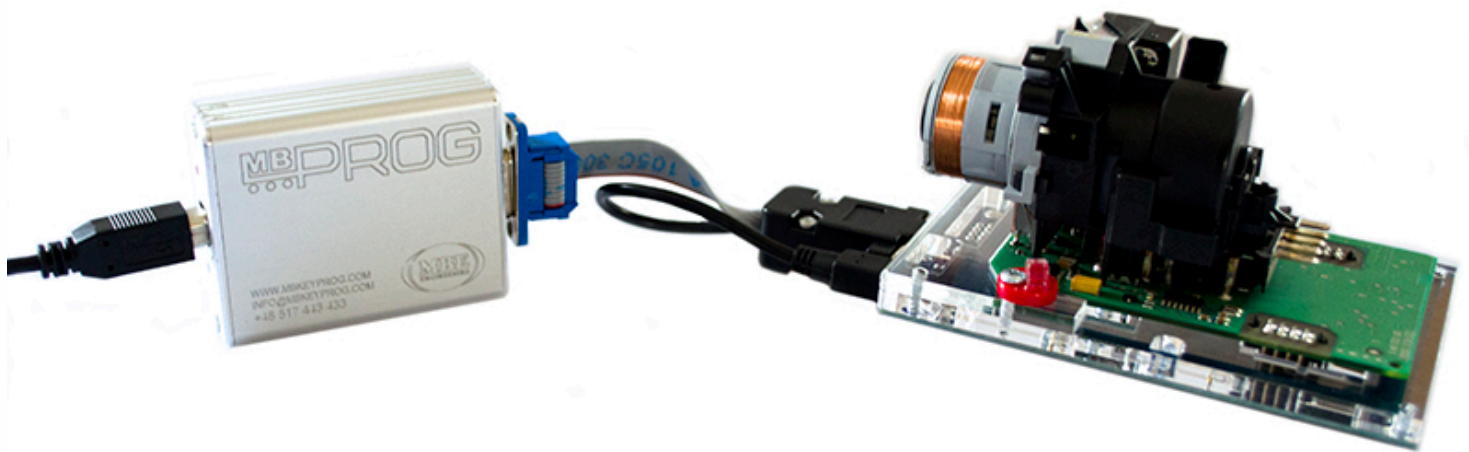
**MB Keymaker Pro**  
**All keys lost - add new key (with PCF 7936 transponder)**



# MB Keymaker Pro

Read a memory dump out of the EIS with use of MBProg and Click'n Go

Connect Click'n Go adapter to EIS  
Connect USB cable to PC



Open MBProg and click on Chip button

MultiProg v1.40.6.3

File Edit Device Tools Help Exit

READ Write VERIFY ERASE **CHIP** TEST PIN Usecure Security Help User manual

Selected Device: None

|      | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 0A | 0B | 0C | 0D | 0E | 0F | 01    | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | A     | B     | C     | D     | E     | F     |
|------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0x00 | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| 0x10 | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| 0x20 | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| 0x30 | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| 0x40 | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| 0x50 | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| 0x60 | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| 0x70 | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| 0x80 | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| 0x90 | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| 0xA0 | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| 0xB0 | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| 0xC0 | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| 0xD0 | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| 0xE0 | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| 0xF0 | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |

Vcc= 5.0

Device Info

Device:

Size:

MCU ID:

Program Adres Range

Start Adres:   En.

End Adres:

Programmer Information

SWA: 1.95

SWB: 1015

SWA.B: v212

Upd.Status: Ok

Date SW: .....

SN: 7205005

Name: JtagDS

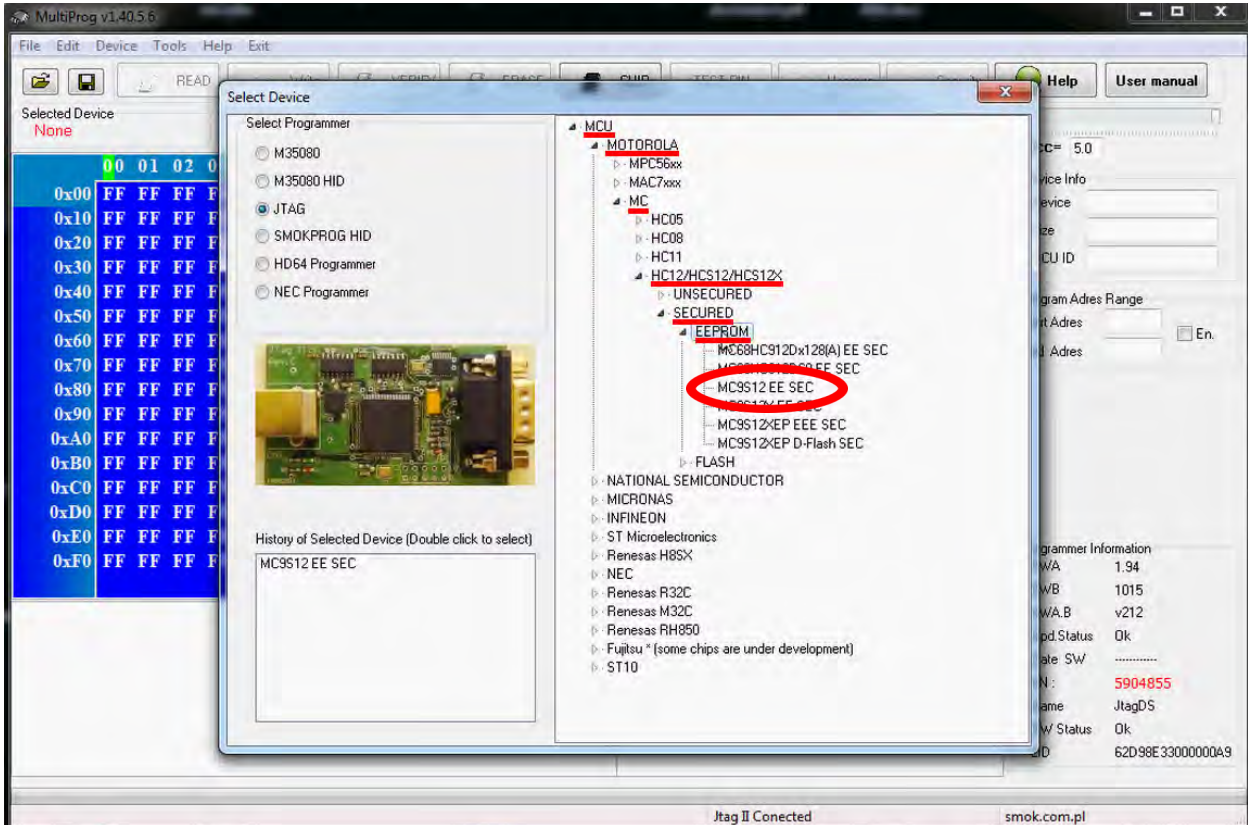
HW Status: Ok

LID: 6295901500000006

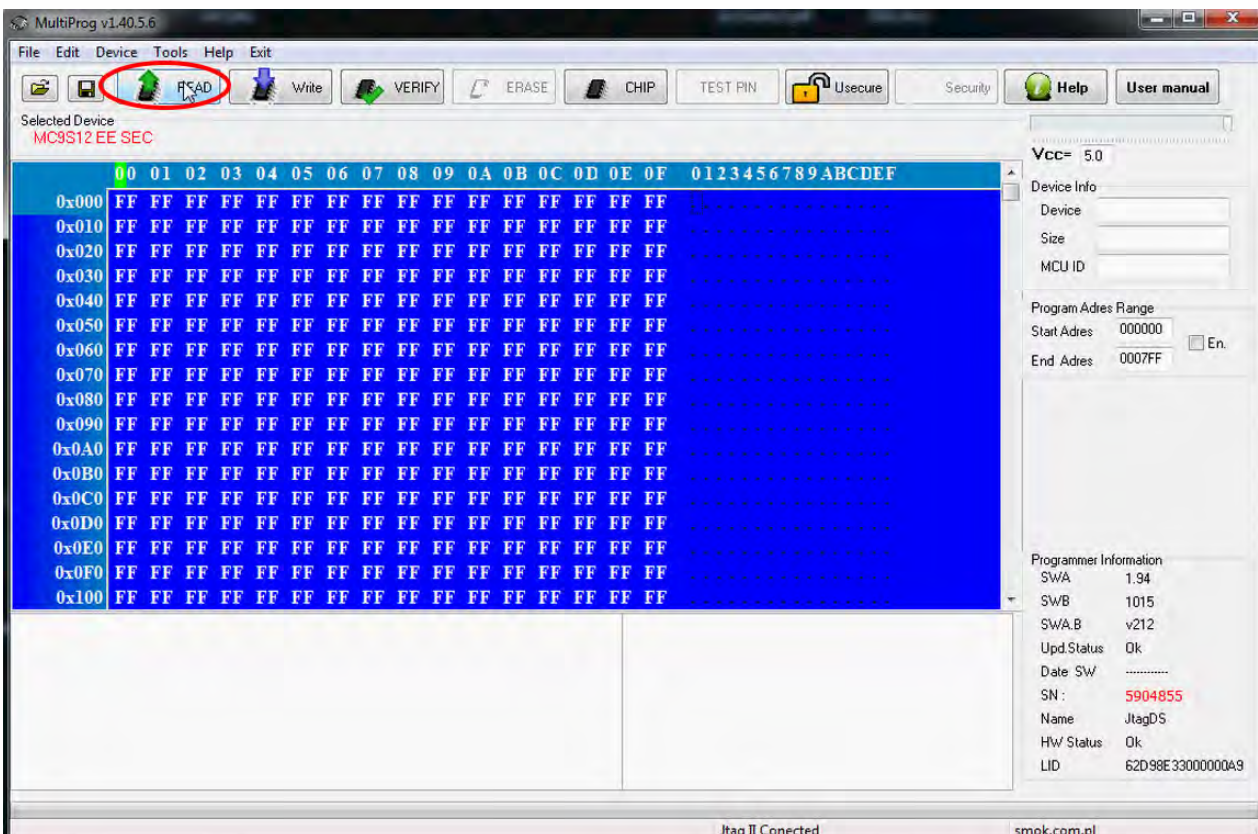
Jtag II Conected smok.com.pl

# MB Keymaker Pro

Make sure that JTAG is selected in programmer software.  
Select MOTOROLA > MC > HC12/HCS12/HCS12X > SECURED > EEPROM  
and double click on MC9S12 EE SEC option as seen in the red circle.

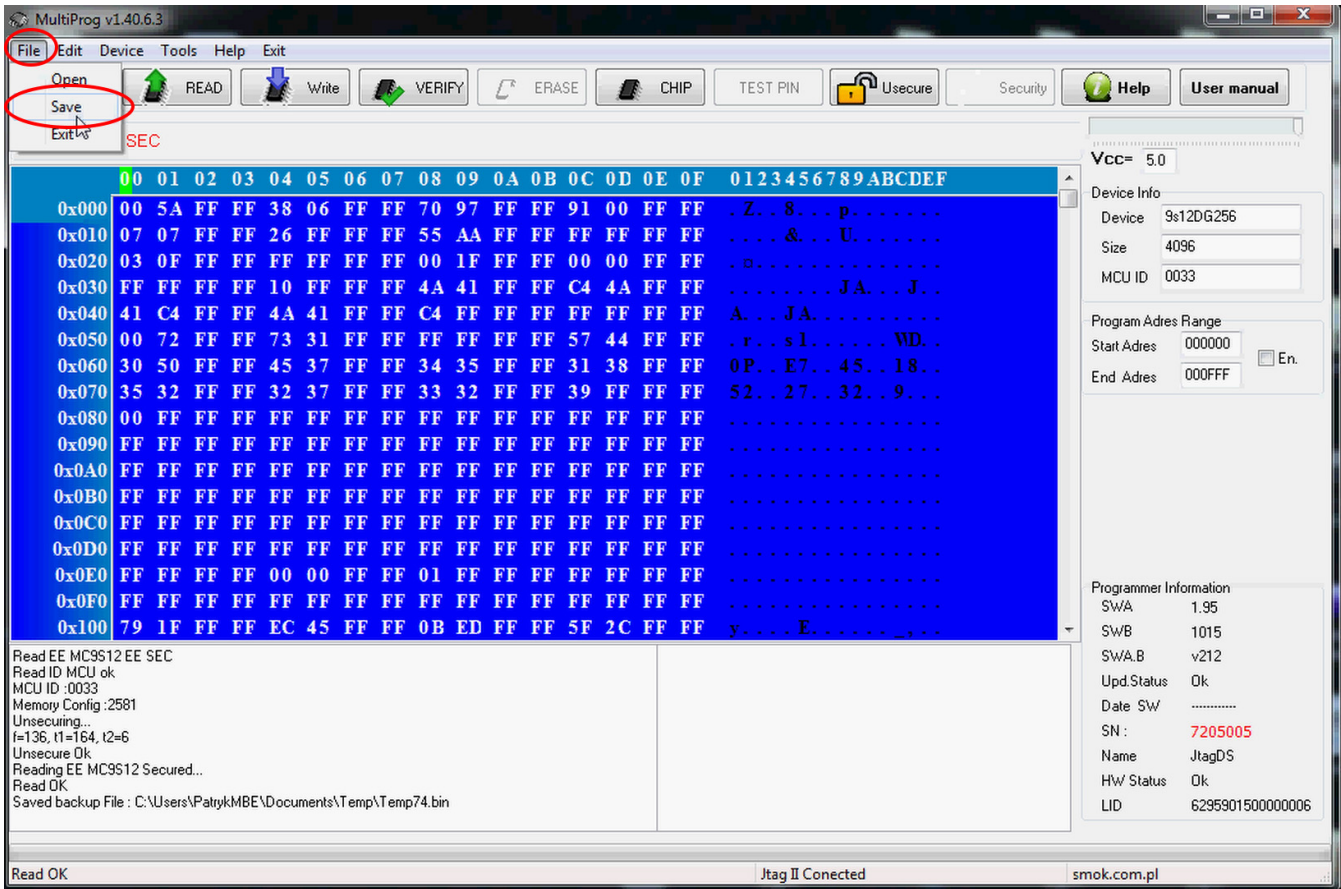


Now click on Read button.

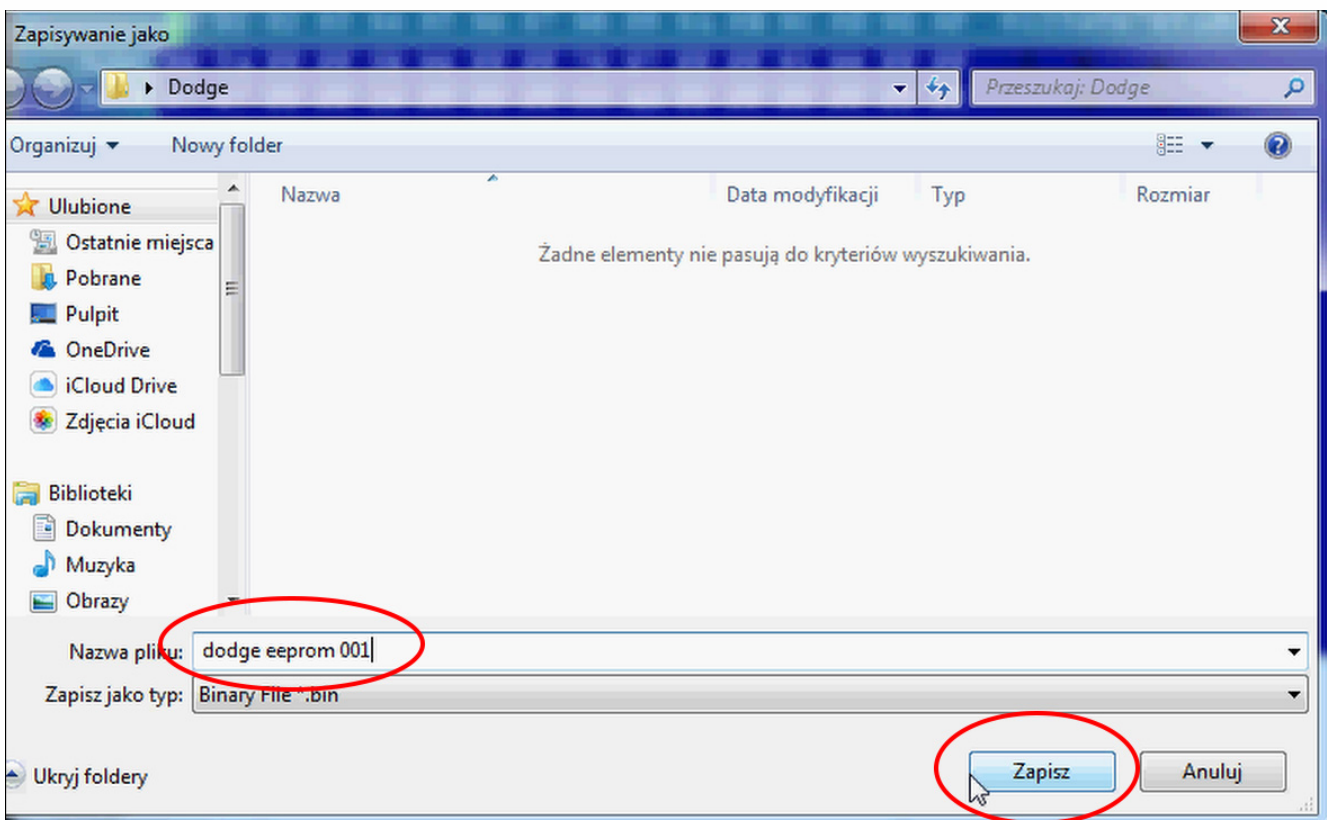


# MB Keymaker Pro

Now click on File and select Save option



Choose a file location and a name for the dump  
Click save button

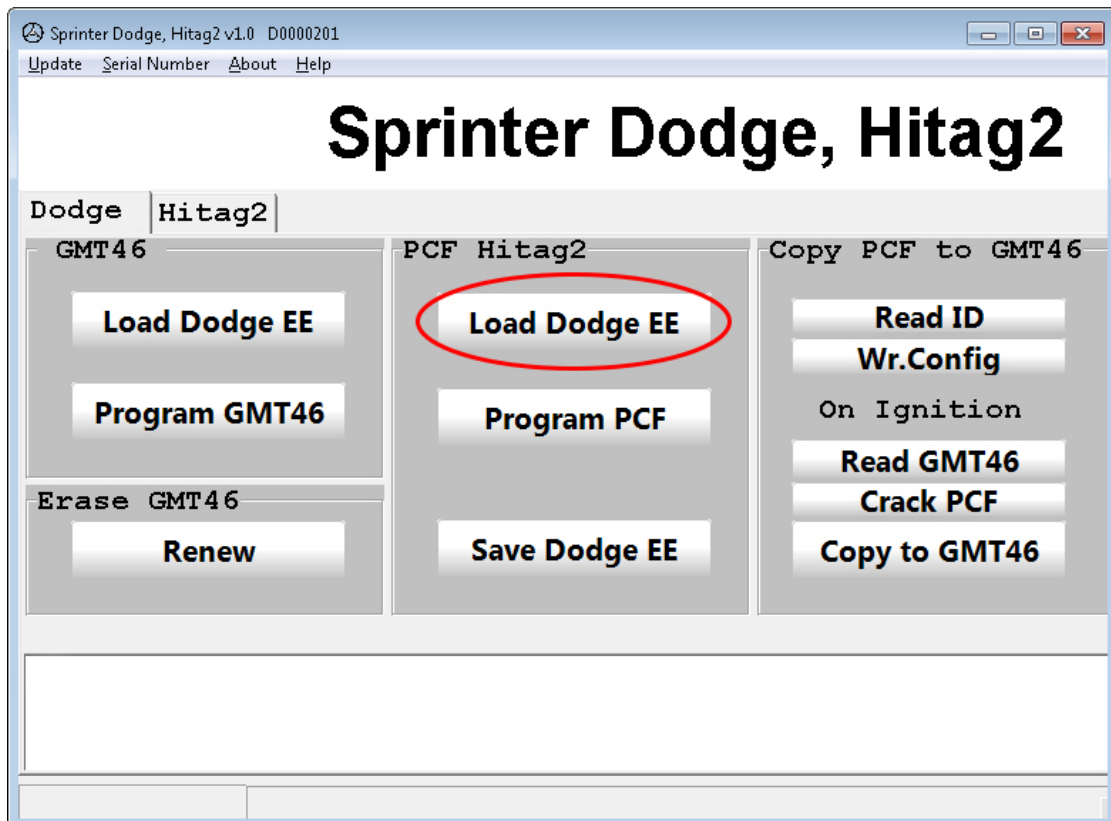


# MB Keymaker Pro

Connect the device to the computer  
Put a new PCF 7936 transponder in the device

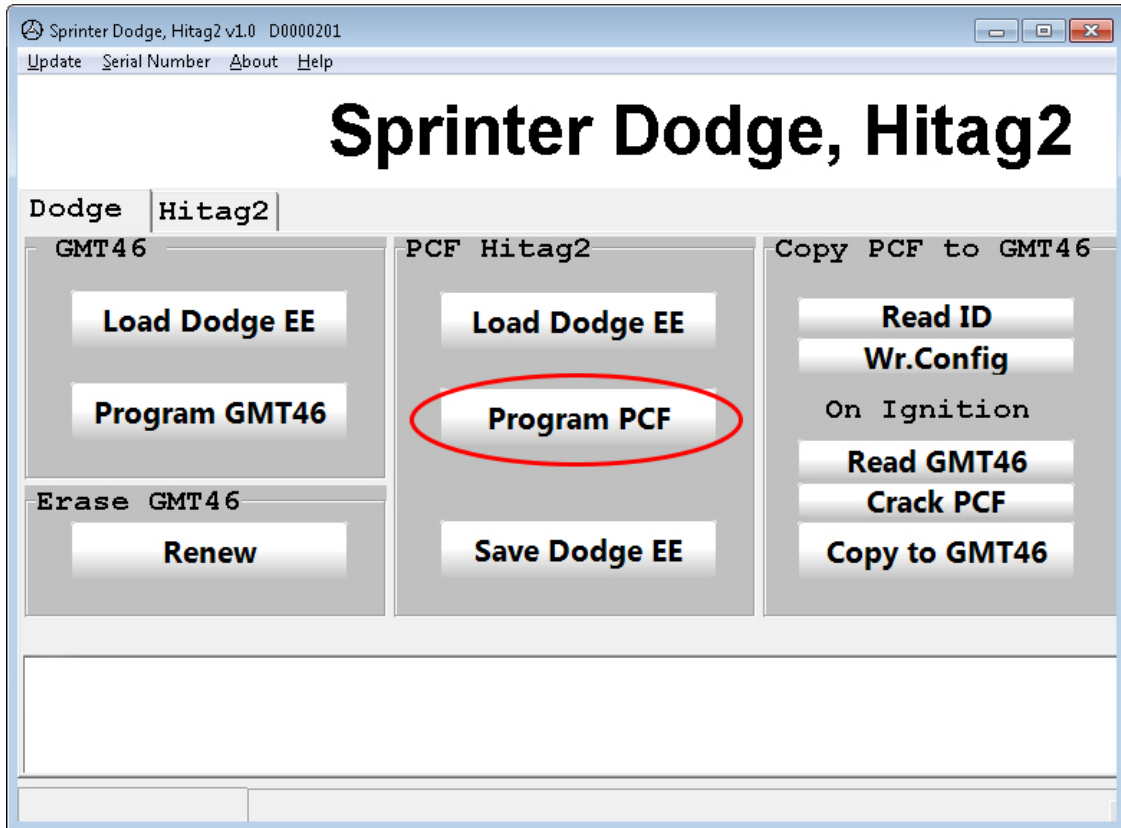


Run MB Keymaker Pro software and click Load Dodge EE in PCF Hitag2 tab  
Choose proper file

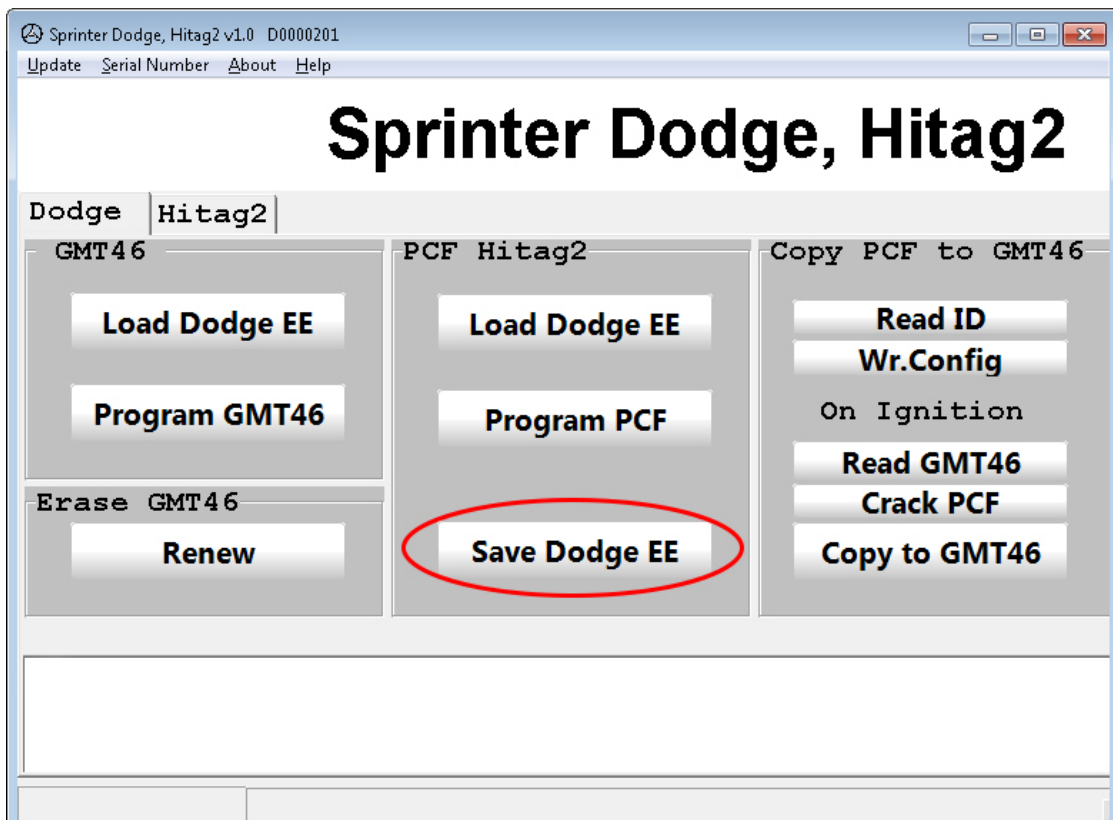


# MB Keymaker Pro

Click Program PCF button

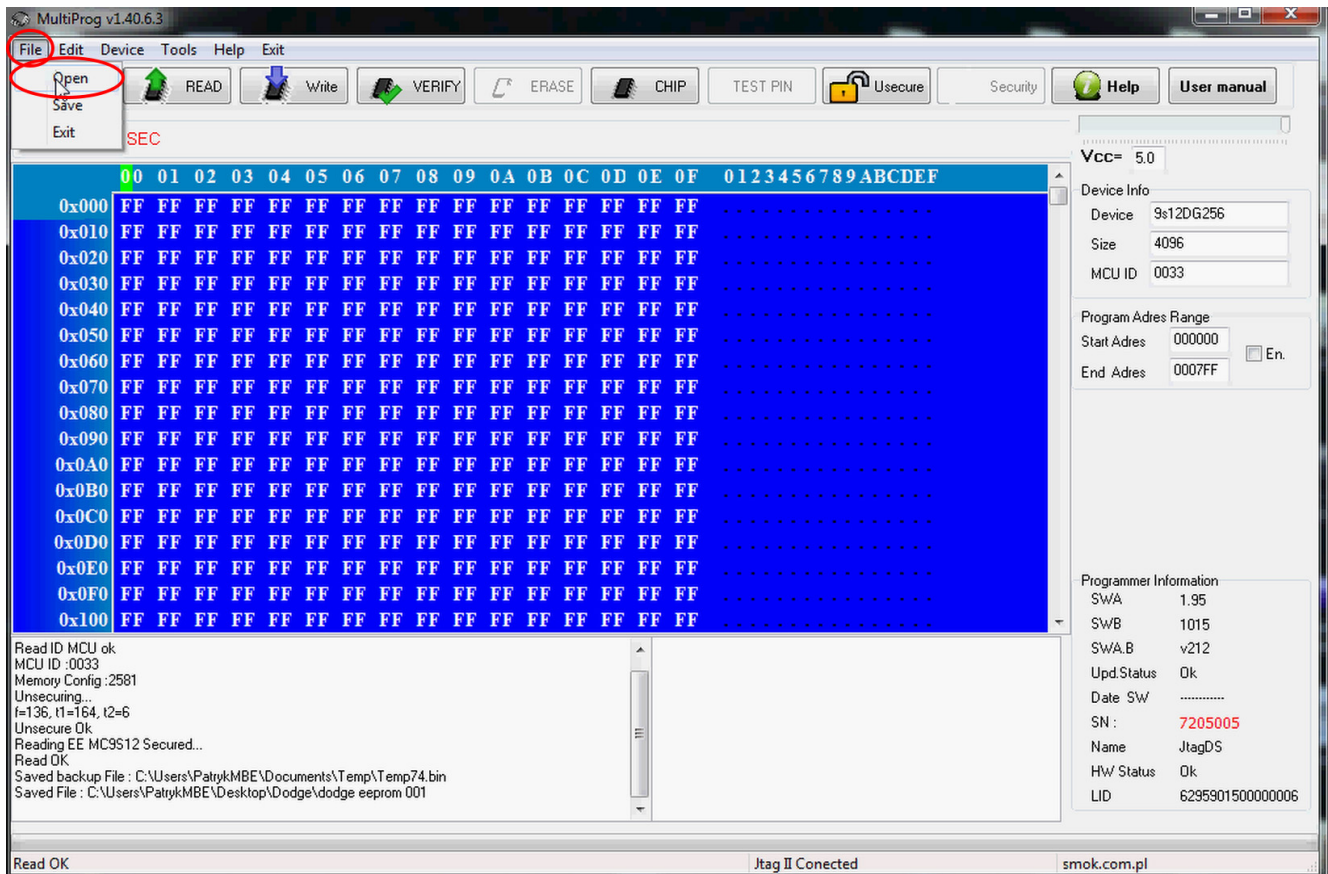


Click Save Dodge EE button and save new dump file

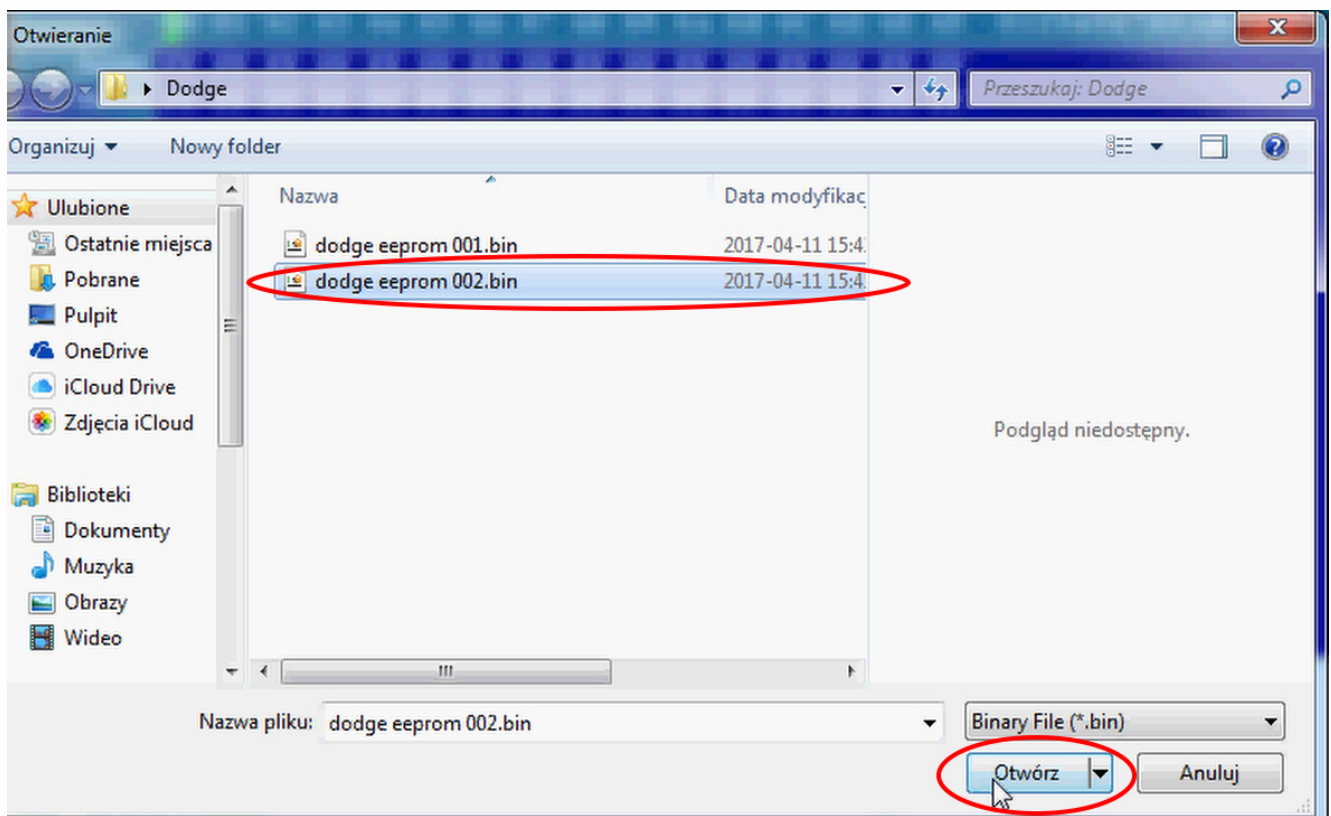


# MB Keymaker Pro

Upload changed dump file into EIS:  
Run MBProg software  
Click File and select Open option

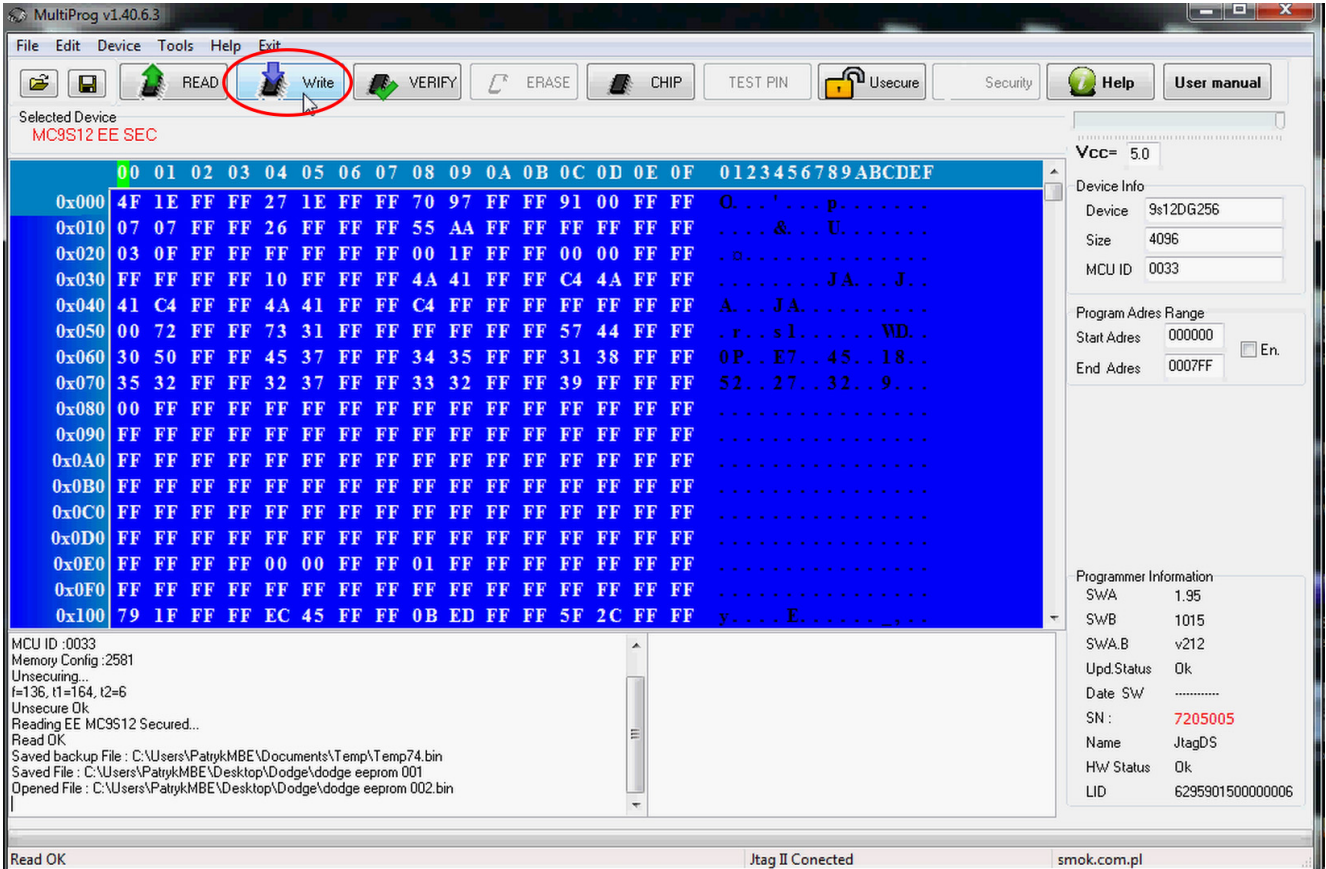


Select saved dump file and click Open



# MB Keymaker Pro

Click Write button



Put transponder in a key and run a car

