

VVDI – MB TOOL Overview

◆ Read Write Key

1. Read key basic information
2. Key with BE version, we can read password from key via IR directly. Of course, renew key, write new key file via IR is also supported
3. Support IR repair key, repair key not work via IR
4. NEC adaptor can read key password from NEC v51, v57 version
5. Support write and renew (NEC adaptor) NEC key versions following:
 - v51, v57
 - v28, v35, v40
 - v03, v06, v08 (Keyless Go)
 - v05, v07, v09 (Keyless Go)
 - v59, v61 (Keyless Go)

◆ EIS Tools

1. Support read EIS data via OBD and IR adaptor
2. Under OBD mode, we provide auto detect EIS type for CAN protocol
3. Support renew EIS, make 2nd hand EIS to new one (online)
4. Support replace EIS, you can write original EIS data to new EIS via IR
5. Support write new VIN
6. Support clear TP
7. Support disable key position
8. Support personalize W20 (ESL)
9. Support test EIS, ELV, working key status
10. Support type:
 - W164
 - W164 2009-
 - W166, 197, 212, 218, 246
 - W169, 209, 211
 - W172, 204, 207, 212(old, with ELV)
 - W203, 463, 639 (K)
 - W202, 208, 210 (K)
 - W215, 220 (K)
 - W230 (K)
 - W216
 - W221
 - W639 2009-

◆ **Password Calculation: support working key and lost all key**

1. Password calculation can get the key password from working key and EIS(online)
2. CAN protocol EIS all support password calculation (support BGA keys and other NEC keys)
3. We also support calculate password for NEC v51, v57 keys. No soldering.
4. Data acquisition time depends on the key version. It needs about 3.5 minutes -13 minutes, BGA version need about 5 minutes
5. Calculate time in server: 30 seconds – 1 minute
6. Now VVDI-MB TOOL is the fastest tool for password calculation
7. **Lost all key password calculation: Now we support calculate password for W166, W212, W246, W212(old, with ELV) while lost all key**
8. Support type (have working key):
 - W164
 - W164 2009-
 - W166, 197, 212, 218, 246
 - W169, 209, 211
 - W172, 204, 207, 212(old, with ELV)
 - W216
 - W221
 - W639 2009-

◆ **Prepare Key File**

1. Prepare key file means prepare the key file which you will write to new key(online)
2. Prepare key file need about 20 seconds
3. Support VVDI-MB type EIS data and old Motorola EEPROM dump

◆ **ESL Tools**

1. Support read ESL data via OBD (K-Line)
2. Support renew ESL, have 2nd hand ESL to new one (online)
3. Support replace ESL, you can write original ESL or EIS data to new ESL
4. Support write new VIN
5. Support clear TP
6. Support auto personalized ESL, no need renew EIS
7. Support check ESL damage status

◆ **Renew ECU/Gearbox/ISM**

1. This function support renew, write VIN, personalization operation for module ECU, Gearbox, ISM etc

◆ Special Instructions (2016.02.26)

1. Write key via NEC adaptor now don't support. Only support read and renew. Write function will added soon
 2. The newest cars after 2015 with FBS4 EIS don't support read data and password, we are researching it
 3. For read key from EIS while lost all key, it will add in future
 4. Old motorola EIS (K-Line) don't support password calculation now, it will add in future
 5. Renew EIS and renew ESL require erase password. Now search erase password have 50% success rate. We are building a new server for erase password. It will support all erase password after new server finished
- ◆ Auto personalized ESL: Now only support auto personalized ESL with key password all 00, we will support all the passwords in future (You can use "Personalize V204 ESL" instead before we publish new version)

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