

WIN-STAR Diagnostic system Function List----ET-Europe-E

UPDATE 2005/5/20

WIN-STAR kit, including of :

1. Multiplexer box.
2. Cables, including of :
 - a. RS232 Cable (from PC or Notebook to multiplexer box)
 - b. 16 PIN cable (from multiplexer box to vehicle)
 - c. 38 PIN cable (from multiplexer box to vehicle) for BENZ
 - d. 4 PIN cable (from multiplexer box to vehicle) for BENZ
 - e. 20 PIN cable (from multiplexer box to vehicle) for BMW
 - f. 2X2 PIN cable (from multiplexer box to vehicle) for AUDI/VW/SKODA/SEAT
 - g. Extension cable for signal (to connect yellow connector of 4 pin cable)
3. Instruction manual.
4. Suit case.

BENZ

Software version : V2

| System | Model | | | | | | | | | | | | | | | | Function | | | | | | | | | | |
|--|-------|-----|-----|-----|-------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------|-----|-----------|----------|-----------|-----------|-------|--------|-----------|------------|---|
| | ECU | 129 | 163 | 168 | 170 16pin38pin | 202 | 203 | 208 | 209 | 210 | 211 | 215 | 220 | 230 | 414 | 463 | 638 | 639 | ECU model | Read DTC | Erase DTC | Live data | Reset | Coding | Actuation | Short test | |
| Powertrain | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Automatic transmission(AG) | | | | | | | | | | | | | | | | | | | v | v | v | v | | | | | |
| Automatic transmission commercial vehicles(AGN) | | | | | | | | | | | | | | | | | v | | v | v | v | v | | | | | |
| Automatic transmission(EGS) | v | v | | v | v | v | v | | v | | v | v | v | | | | | | v | v | v | v | v | v | | v | v |
| Automatic transmission(EGS52) | | v | | v | | v | v | v | v | v | v | v | v | | | | | | v | v | v | v | v | v | | v | v |
| Easy-shift manual transmission(KSG) | | | | | | v | v | v | | v | | | | | | | | | v | v | v | v | | | | | |
| Electronic selector level module(EWM203) | | | | | | v | | v | | | | | | | | | | | v | v | v | | | | | | v |
| Electronic selector level module (EWM_H) | | v | | v | | v | | v | | | v | | | | | v | | | v | v | v | | | | | | v |
| Electronic selector level module (EWM220) | | | | | | | | | | | v | v | v | | | | | | v | v | v | | | | | | v |
| Transfer case(VG) | | | v | | | | | | | | | | | | | | | | v | v | v | v | | | | | |
| Transfer case(VGS463) | | | | | | | | | | | | | | | | v | | | v | v | v | | | | | | |
| Motor electronics(ME20) M113 | | | | | | | | | | | | v | v | | | | | | v | v | v | v | v | | | v | v |
| Motor electronics(ME1_H)Left Cylinder M120 | | v | | | | | | | | | | | | | | | | | v | v | v | | | | | | |
| Motor electronics(ME1_H)Right Cylinder M120 | | v | | | | | | | | | | | | | | | | | v | v | v | | | | | | |
| Motor electronics(ME2_H) M111,M112,M104 | | v | v | | v | v | | v | | v | v | v | | | | | v | | v | v | v | v | v | | | | v |
| Motor electronics(ME27) M137 | | | | | | | | | | | v | v | | | | | | | v | v | v | v | | | | | v |
| Motor electronics(ME28) M111,M112,M113 | | | v | | v | v | v | v | v | v | v | v | v | | | | v | | v | v | v | v | v | | | v | v |
| Motor electronics(SIM4) M111 | | | | v | | v | v | v | | v | | | | | | | | | v | v | v | v | v | | | v | v |
| Motor electronics(SIM4LSE) M111 | | | | | | v | | v | v | v | | | | | | | | | v | v | v | v | v | | | v | v |
| Engine control module(ECM) | | | | v | | | | | | | | | | | | v | | | v | v | v | v | v | | | v | v |
| Hot film engine management (HFM) | | v | | | | v | | | | v | | | | | | | | | v | v | v | v | v | v | | v | v |
| V6 engine control | | | | | | | | | | | | | | | | | v | | v | v | v | v | | | | | |
| Distronic(DTR) | | | | | | | | | v | | v | v | v | v | | | | | v | v | v | | | | | | v |
| Common-Rail Diesel injection(CDI 1) | | | | v | | v | | | | | | | | | | | | | v | v | v | v | | | | | |
| Common-Rail Diesel injection(CDI 2) | | | v | | | | v | | v | v | | | | | | v | | | v | v | v | v | | | | | |
| Common-Rail Diesel injection(CDI 3) | | | | | | | | | | v | | | | | | | | | v | v | v | v | | | | | |
| Common-Rail Diesel injection(CDI V1) | | | v | | | | | | | | | | v | | | v | | | v | v | v | v | | | | | |
| Drive authorization system shut-off valve(ASF/DSV) | | | | | | | | | | | | | | | | | | | v | v | v | v | | | | | |
| Diesel electronic in-line fuel injection(IF/ERE) | | | | | | v | | | | v | | | | | | v | v | | v | v | v | v | | | | | |

| System | Model | | | | | | | | | | | | | | | | | Function | | | | | | | | | | |
|---|-------|-----|-----|-----|-------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------|-----------|----------|-----------|-----------|-------|--------|-----------|------------|---|---|
| | ECU | 129 | 163 | 168 | 170 16pin38pin | 202 | 203 | 208 | 209 | 210 | 211 | 215 | 220 | 230 | 414 | 463 | 638 | 639 | ECU model | Read DTC | Erase DTC | Live data | Reset | Coding | Actuation | Short test | | |
| Diesel electronic distributor-type fuel injection (EVE/DFI) | | | | | | v | | | | v | | | | | | | | | v | v | v | v | | | | | | |
| Chassis | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Active body control(ABC) | | | | | | | | | | | | | | | v | v | v | | v | v | v | | | | | | v | |
| Suspension(AIRmatic) | | | | | | | | | | | | | | | | | | | v | v | v | V | | v | v | | v | |
| Traction systems(ABS30_H) | v | v | v | v | v | v | | v | v | | | | | | | | | | v | v | v | | | | | | v | |
| Traction systems(ABS30_L) | | | | | | | | | | | | | | | | | | | v | v | v | | | | | | | |
| Traction systems(ABS50) | | | | | | | | | | | | | | | | | | | v | v | v | | | | | | | |
| Automatic clutch system(ACS) | | | | v | | | | | | | | | | | | | | | v | v | v | | | | | | | |
| Traction systems (ASR30_H) | v | v | v | v | v | v | | v | v | | | | | | | | | | v | v | v | | | | | | v | |
| Traction systems (ASR34_H) | v | v | v | v | v | v | | v | v | | | | | | | | | | v | v | v | | | | | | v | |
| Brake assist system(BAS_H) | v | v | v | v | v | v | | v | v | | | | | | | | | | v | v | v | | | | | | v | |
| Brake assist system (BAS203) | v | v | v | v | v | v | v | v | | | | | | | | | | | v | v | v | | | | | | v | |
| Electronic stability program(ESP) | | | | | | | | | | | | | | v | v | | v | v | v | v | v | | | | | | v | |
| Electronic stability program (ESP203) | | | | | v | v | v | v | v | | | | | | | | | | v | v | v | | | | | | v | |
| Sensotronic Brake Control(SBC) | | | | | | | | | | v | | | | v | | | | | v | v | v | V | | | v | | | |
| Electronic stability program (ESP30_H) | v | v | v | v | v | v | | v | v | | | | | | | | | | v | v | v | | | | | | v | |
| Electronic stability program (ESP34_H) | v | v | v | v | v | v | | v | v | | | | | | | | | | v | v | v | | | | | | v | |
| Electronic stability program (ESP35_H) | v | v | v | v | v | v | | v | v | | | | | | | | | | v | v | v | | | | | | v | |
| Electronic stability program (ESPMK25) | | | | | v | v | v | v | | | | | | | | | | | v | v | v | | | | | | v | |
| Electronic stability program (ESP230) | | | | | | | | | | v | | | | v | | | | | v | v | v | | | | | | | |
| Traction systems(ETS30_H) | v | v | v | v | v | v | | v | v | | | | | | | | | | v | v | v | | | | | | v | |
| Traction systems(ETS34_H) | v | v | v | v | v | v | | v | v | | | | | | | | | | v | v | v | | | | | | v | |
| Gear recognition module(GRM) | | | | | | | | | | | | | | | | | | | v | v | v | | | | | | | |
| Front transmission control(FTC) | | | | | | | | | | | | | | | | | | | v | v | v | | | | | | | |
| Vacuum pump(VP) | | | | | v | v | v | v | v | | | | | | | | | | v | v | v | | | | | | v | |
| Tire pressure control(TPC) | | | | | | | | | | | | | | v | v | v | | | v | v | v | | | | | | v | |
| Body | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Airbag(Armin) | v | v | v | v | | | | v | v | | | | | v | v | v | | v | v | v | | | | | | | | v |
| Airbag (Arminca) | | | | | | | | v | v | | | | | | | | | | v | v | v | | | | | | v | |
| Airbag | | | | | | | | | | | | | | | | | | | v | v | v | | | | | | | |
| Airbag (ZAE_H) | v | v | v | v | v | v | | v | v | | | | | | | | | | v | v | v | | | | | | v | |
| Airbag(AB2TR) | | | | | | | | | | | | | | | | | | | v | v | v | | | | | | | |
| Overhead control panel(OCP) [DBE1_H] | | | | | | v | | v | v | | | | | | | | | | v | v | v | | | | | | v | |
| Overhead control panel(OCP) [DBE203] | | | | | | | | v | v | | | | | | | | | | v | v | v | | | | | | v | |
| Overhead control panel(OCP) [DBE220] | | | | | | | | | | | | | | v | v | | | | v | v | v | | | | | | v | |
| Overhead control panel(OCP) [DBE230] | | | | | | | | | | | | | | | | v | | | v | v | v | | | | | | | |
| Overhead control panel(OCP) [DBE463] | | | | | | | | | | | | | | | | | | | v | v | v | | | | | | | |
| Electronic ignition switch(EIS) [EZS1_H] | | | | | | v | | v | v | | | | | | | | | | v | v | v | | | | | | v | |
| Electronic ignition switch(EIS) [EZS203] | | | | | | | | v | v | | | | | | | | | | v | v | v | | | | | | v | |
| Electronic ignition switch(EIS) [EZS220] | | | | | | | | | | | | | | v | v | | | | v | v | v | | | | | | v | |
| Electronic ignition switch(EIS) [EZS230] | | | | | | | | | | | | | | | | v | | | v | v | v | | | | | | | |
| Electronic ignition switch(EIS) [EZS463] | | | | | | | | | | | | | | | | | | | v | v | v | | | | | | | |
| Headlamp range adjustment(HRA220) | | | | | | | | | | | | | | v | v | | | | v | v | v | | | | | | v | |
| Headlamp range adjustment(HRA_H) | v | | | | | v | | v | v | | | | | | | | | | v | v | v | | | | | | | |
| Headlamp range adjustment(HRA230_FL) | | | | | | | | | | | | | | | | | | | v | v | v | | | | | | | |
| Headlamp range adjustment(HRA230_FR) | | | | | | | | | | | | | | | | | | | v | v | v | | | | | | | |
| Lower control panel(LCP) [UBF1_H] | | | | | | v | | v | v | | | | | | | | | | v | v | v | | | | v | | v | |
| Lower control panel(LCP) [UBF2_H] | | | | | | | | | | | | | | | | | | | v | v | v | | | | | | | |
| Lower control panel(LCP) [UBF203] | | | | | | | | | | | | | | | | | | | v | v | v | | | | v | | v | |
| Upper control panel(UCP) [OBF203] | | | | | | | | | | | | | | | | | | | v | v | v | | | | | | v | |
| Immobilizer (with transponder) [WSP] | | | | | | | | | | | | | | | | | | | v | v | v | | | | | | | |
| Upper control panel(UCP) [OBF220] | | | | | | | | | | | | | | v | v | | | | v | v | v | | | | | | v | |

| System | Model | | | | | | | | | | | | | | | | Function | | | | | | | | | | |
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| | 129 | 163 | 168 | 170 | | 202 | 203 | 208 | 209 | 210 | 211 | 215 | 220 | 230 | 414 | 463 | 638 | 639 | ECU model | Read DTC | Erase DTC | Live data | Reset | Coding | Actuation | Short test | |
| ECU | | | | 16pin | 38pin | | | | | | | | | | | | | | | | | | | | | | |
| Pneumatic system equipment(PSE) [PSE1_H] | | | | | | v | | v | | v | | | | | | | | v | v | v | | | | | v | | |
| Pneumatic system equipment(PSE) | | | | | | | | | | | v | v | | | | | | v | v | v | | | | | v | | |
| Pneumatic system equipment(PSE) | | | | v | v | | | | | | | | | | | | | v | v | v | | | | | | | |
| Pneumatic system equipment(PSE230) | | | | | | | | | | | | | v | | | | | v | v | v | | | | | | | |
| Signal acquisition and actuation module(SAM1_H) | | | | | | v | | v | | v | | | | | | | | v | v | v | | | | | v | | |
| Front-left signal acquisition and actuation module (SAM-FL220) | | | | | | | | | | | v | v | | | | | | v | v | v | | | | v | v | | |
| Front-right signal acquisition and actuation module(SAM-FR220) | | | | | | | | | | | v | v | | | | | | v | v | v | | | | v | v | | |
| Rear signal acquisition and actuation module (REAR-SAM220) | | | | | | | | | | | v | v | | | | | | v | v | v | | | | v | v | | |
| Front signal acquisition and actuation module(SAM-F203) | | | | | | | v | | v | | | | | | | | | v | v | v | | | | | v | | |
| Rear signal acquisition and actuation module (REAR-SAM203) | | | | | | | v | | v | | | | | | | | | v | v | v | | | | | v | | |
| Front-left signal acquisition and actuation module (SAM-FL230) | | | | | | | | | | | | | v | | | | | v | v | v | | | | | | | |
| Front-right signal acquisition and actuation module(SAM-FR230) | | | | | | | | | | | | | v | | | | | v | v | v | | | | | | | |
| Rear signal acquisition and actuation module (REAR-SAM230) | | | | | | | | | | | | | v | | | | | v | v | v | | | | | | | |
| Front signal acquisition and actuation module(SAMV463) | | | | | | | | | | | | | | | v | | | v | v | v | | | | | | | |
| Rear signal acquisition and actuation module (SAMH463) | | | | | | | | | | | | | | | | v | | v | v | v | | | | | | | |
| Vehicle power supply control module(BNS230) | | | | | | | | | | | | | v | | | | | v | v | v | | | | | | | |
| Roller bar/vario roof control module(RVC) | | | | | | | | | | | | | v | | | | | v | v | v | | | | | | | |
| Trailer recognition(AHE) [AAG203] | | | | | | v | v | | v | | | | | | | v | | v | v | v | | | | | v | | |
| Trailer recognition(AHE) [AAG220] | | | | | | | | v | | | v | v | | | | | | v | v | v | | | | | v | | |
| Trailer recognition(AHE) [AAG463] | | | | | | | | | | | | | | | | v | | v | v | v | | | | | | | |
| KEYLESS GO | | | | | | | | | | | v | v | v | | | | | v | v | v | | | | v | v | | |
| Special vehicle multifunction control module(SVMCM) [MSS_H] | | | | | | v | | | | v | | | | | | | | v | v | v | | | | | v | | |
| Special vehicle multifunction control module(SVMCM) [MSS_203] | | | | | | | v | | v | | | | | | | v | | v | v | v | | | | | v | | |
| Special vehicle multifunction control module (SVMCM) [MSS_220] | | | | | | | | | | | v | v | | | | | | v | v | v | | | | | v | | |
| Radio frequency locking(RFL) [DAS2.0] | | | | v | v | | | | | | | | | | | | | v | v | v | | | | | v | | |
| Radio frequency locking(RFL) [DAS2a] | v | | v | v | v | | | | | | | | | | | v | | v | v | v | v | | | v | | | |
| Radio frequency locking(RFL) [DAS2b] | v | | v | | | | | | | | | | | | | | | v | v | v | | | | | | | |
| Radio frequency locking(RFL) [DAS2x] | | | | | | | | | | | | | | v | v | | | v | v | v | | | | | | | |
| Multifunction control module(CCM) | | | | v | v | | | | | | | | | | | | | v | v | v | | | | | | | |
| All activity module(AAM) | | v | | | | | | | | | | | | | | | | v | v | v | | | | | | | |
| Extended activity module(EAM) | | v | | | | | | | | | | | | | | | | v | v | v | | | | | | | |
| Roadster soft top (RV) | v | | | | | | | | | | | | | | | | | v | v | v | | | | | | | |
| Vario roof(VD_H) | | | | v | v | | | | | | | | | | | | | v | v | v | | | | | | | |
| Anti-theft alarm(ATA) (EDW2_H) | v | | v | | | | | | | | | | | | | v | | v | v | v | | | | | | | |
| Anti-theft alarm(ATA) (EDZ_H) | | | | v | | | | | | | | | | | | | | v | v | v | | | | | | | |
| Information & communication | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Instrument cluster module(ICM) [KI203] | | | | | | | v | | | | | | | | v | | | v | v | v | | v | | | v | | |
| Instrument cluster module(ICM) [KI220] | | | | | | | | | | | v | v | | | | | | v | v | v | | | | | v | | |
| Instrument cluster module(ICM K2) | | | | | | | | | | | v | v | | | | | | v | v | v | | v | | | v | | |
| Instrument cluster module(ICM) [KI414] | | | | | | | | | | | | | | v | | | | v | v | v | | | | | | | |
| Instrument cluster module(ICM) [KIW_H] | v | v | v | v | v | v | | v | | v | | | | | v | | | v | v | v | | v | | | | | |

| System | Model | | | | | | | | | | | | | | | | | Function | | | | | | | | | | | |
|--|-------|---|-----|-----|-------|-------|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------|-----|-----|-----------|----------|-----------|-----------|-------|--------|-----------|------------|---|
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| | | | | | 16pin | 38pin | | | | | | | | | | | | | | | | | | | | | | | |
| Instrument cluster module(KI) [KIL] | v | | v | | | | | | v | | v | | | | | | v | | | v | v | v | | v | | | | | |
| Instrument cluster module(KI230) | | | | | | | | | | | | | | | v | | | | | v | v | v | | | | | | | |
| Steering column module(SCM203) | | | | | | | | v | | | | | | | | | | | | v | v | v | | | | | | v | |
| Steering column module(SCM220) | | | | | | | | | | | | | v | v | | | | | | v | v | v | | | | | | v | |
| Parktronic(PTS_H) | | | v | | | | v | | v | | v | | | | | | | | | v | v | v | | | | | | v | |
| Parktronic(PTS203) | | | | | | | | v | | v | | | | | | | | | | v | v | v | | | | | | v | |
| Parktronic(PTS220) | | | | | | | | | v | | | | v | v | | | | | | v | v | v | | | | | | v | |
| Parktronic(PTS230) | | | | | | | | | | | | | | | v | | | | | v | v | v | | | | | | | |
| Parktronic(PTS414) | | | | | | | | | | | | | | | | v | | | | V | V | V | | | | | | | |
| COMAND(D2B) | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | | v | v | v | | | | | | v | |
| CD changer(CDC) | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | | v | v | v | | | | | | v | |
| Cellular telephone(CTEL) | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | | v | v | v | | | | | | v | |
| TV tuner(TV) | | | | | | | | | | | v | | | | | | | | | v | v | v | | | | | | v | |
| Seats & doors | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Central Locking (CL) | | | | | | | | | | | | | | | | v | | | | v | v | v | | | | | | | |
| Front-left electric seat adjustment(ESA-FL) (ESV1L_H) | | | | | | | v | | v | | v | | | | | | | | | v | v | v | | | | | | | v |
| Front-right electric seat adjustment(ESA-FR) (ESV1R_H) | | | | | | | v | | v | | v | | | | | | | | | v | v | v | | | | | | | v |
| Front-left electric seat adjustment(ESA-FL203) | | | | | | | | v | | | | | | | | | v | | | v | v | v | | | | | | | v |
| Front-right electric seat adjustment(ESA-FR203) | | | | | | | | v | | | | | | | | | v | | | v | v | v | | | | | | | v |
| Rear electric seat adjustment(ESA-R220) | | | | | | | | | | | | | | v | | | | | | v | v | v | | | | | | | v |
| Front-left electric seat adjustment (ESA-FL220) | | | | | | | | | | | | | | v | | | | | | v | v | v | | | | | | | v |
| Front-right electric seat adjustment(ESA-FR220) | | | | | | | | | | | | | | v | | | | | | v | v | v | | | | | | | v |
| Front-left electric seat adjustment (ESA-FL215) | | | | | | | | | | | | | v | | | | | | | v | v | v | | | | | | | |
| Front-right electric seat adjustment(ESA-FR215) | | | | | | | | | | | | | v | | | | | | | v | v | v | | | | | | | |
| Front-left electric seat adjustment (ESA-FL230) | | | | | | | | | | | | | | | v | | | | | v | v | v | | | | | | | |
| Front-right electric seat adjustment(ESA-FR230) | | | | | | | | | | | | | | | v | | | | | v | v | v | | | | | | | |
| Front-left multicontour backrest(OSB-FL220) | | | | | | | | | | | | | | v | | | | | | v | v | v | | | | | | | v |
| Front-right multicontour backrest(OSB-FR220) | | | | | | | | | | | | | | v | | | | | | v | v | v | | | | | | | v |
| Rear multicontour backrest(OSB-R220) | | | | | | | | | | | | | | v | | | | | | v | v | v | | | | | | | v |
| Front-left multicontour backrest(OSB-FL215) | | | | | | | | | | | | | v | | v | | | | | v | v | v | | | | | | | |
| Front-right multicontour backrest(OSB-FR215) | | | | | | | | | | | | | v | | v | | | | | v | v | v | | | | | | | |
| Rear control module(RCM) | | | | | | | | | | v | | | v | | | | | | | v | v | v | | | | | | | |
| Front-left door control module(DCM-FL) [TSG2VL] | | | v | | | | | | | | | | | | | | | | | v | v | v | | | | | | | |
| Front-right door control module(DCM-FR) [TSG2VR] | | | v | | | | | | | | | | | | | | | | | v | v | v | | | | | | | |
| Rear-left door control module(DCM-RL) [TSG2HL] | | | v | | | | | | | | | | | | | | | | | v | v | v | | | | | | | |
| Rear-right door control module(DCM-RR) [TSG2HR] | | | v | | | | | | | | | | | | | | | | | v | v | v | | | | | | | |
| Front-left door control module(DCM-FL) [TSGVL_H] | | | | | | v | | v | | v | | | | | | | | | | v | v | v | | | | | | | v |
| Front-right door control module(DCM-FR) [TSGVR_H] | | | | | | v | | v | | v | | | | | | | | | | v | v | v | | | | | | | v |
| Rear-left door control module(DCM-RL) [TSGHL_H] | | | | | | v | | | | v | | | | | | | | | | v | v | v | | | | | | | v |
| Rear-right door control module(DCM-RR) [TSGHR_H] | | | | | | v | | | | v | | | | | | | | | | v | v | v | | | | | | | v |
| Front-left door control module(DCM-FL) [TSGVL203] | | | | | | | v | | | | | | | | | | v | | | v | v | v | | | | | | | v |
| Front-right door control module(DCM-FR) [TSGVR203] | | | | | | | v | | | | | | | | | | v | | | v | v | v | | | | | | | v |
| Rear-left door control module(DCM-RL) [TSGHL203] | | | | | | | v | | | | | | | | | | | | | v | v | v | | | | | | | v |
| Rear-right door control module(DCM-RR) [TSGHR203] | | | | | | | v | | | | | | | | | | | | | v | v | v | | | | | | | v |
| Front-left door control module(DCM-FL) [TSGVL220] | | | | | | | | | | | | | v | v | | | | | | v | v | v | | | | | | | v |
| Front-right door control module(DCM-FR) [TSGVR220] | | | | | | | | | | | | | v | v | | | | | | v | v | v | | | | | | | v |
| Rear-left door control module(DCM-RL) [TSGHL220] | | | | | | | | | | | | | v | v | | | | | | v | v | v | | | | | | | v |
| Rear-right door control module(DCM-RR) [TSGHR220] | | | | | | | | | | | | | v | v | | | | | | v | v | v | | | | | | | v |
| Front-left door control module(DCM-FL) [TSGVL230] | | | | | | | | | | | | | | | v | | | | | v | v | v | | | | | | | |
| Front-right door control module(DCM-FR) [TSGVR230] | | | | | | | | | | | | | | | v | | | | | v | v | v | | | | | | | |
| Air conditioning | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Stationary heater(STH) [STH_H] | v | v | v | v | | | v | | v | v | | | | v | | | | | | v | v | v | | | | | | | v |
| Stationary heater(STH) | | | | | | | | v | | | | | | | | | | | | v | v | v | | | | | | | v |

| System | Model | | | | | | | | | | | | | | | | Function | | | | | | | | | | | |
|--|-------|---|-----|-----|-------|-------|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------|-----|-----|-----|-----------|----------|-----------|-----------|-------|--------|-----------|------------|
| | ECU | | 129 | 163 | 168 | 170 | | 202 | 203 | 208 | 209 | 210 | 211 | 215 | 220 | 230 | 414 | 463 | 638 | 639 | ECU model | Read DTC | Erase DTC | Live data | Reset | Coding | Actuation | Short test |
| | | | | | 16pin | 38pin | | | | | | | | | | | | | | | | | | | | | | |
| Stationary heater(STH) [STH_H] | v | v | v | v | | | v | | v | v | | | | v | | | v | | | v | v | v | | | | | v | |
| Stationary heater(STH) | | | | | | | | v | | | | | | | | | v | | | v | v | v | | | | | | v |
| Stationary heater(STH) | | | | | | | | | | | | | v | | | | | | | v | v | v | | | | | | |
| Automatic air conditioning(AAC) [KLA_H] | v | | | | v | v | v | | v | | v | | | | | | | | | v | v | v | | | | | | v |
| Automatic air conditioning(AAC) [KLA203] | | | | | | | | v | | v | | | | | | | | | | v | v | v | | | | | | v |
| Automatic air conditioning(AAC) [KLA220] | | | | | | | | | | | | | v | v | | | | | | v | v | v | | | | | | v |
| Automatic air conditioning(AAC) [KLA230] | | | | | | | | | | | | | | | v | | | | | v | v | v | | | | | | |
| Automatic air conditioning(AAC) [KLA414] | | | | v | | | | | | | | | | | | | v | | | v | v | v | | | | | | |
| Rear air conditioning(REAR AC) | | | | | | | | | | | | | | v | | | | | | v | v | v | | | | | | v |
| Automatic temperature control(TAC) | | | | | v | v | | | | v | | | | | | | | | | v | v | v | | | | | | v |
| Heater control(HRZ) | | | | | | | | | | | | | | | | | | v | | v | v | v | | | | | | |

BENZ

Software version : HHT

| System | Model | | | | | | | | | | | | | Function | | | | | | |
|---|-------|---|-----|-----|-------------|---|-----|-----|-----|-----|-----|-----|-----|----------|-----|-----------|----------|-----------|-----------|--------|
| | ECU | | 107 | 124 | 124 034/036 | | 126 | 129 | 140 | 170 | 201 | 202 | 210 | 414 | 638 | ECU MODEL | READ DTC | ERASE DTC | LIVE Data | CODING |
| Powertrain | | | | | | | | | | | | | | | | | | | | |
| Common rail diesel injection(CDI) | | | | | | | | | | | | | | v | v | v | v | v | | |
| Automatic transmission(AG) | | | | | | | | | | | | | | | v | v | v | | | |
| Automatic transmission commercial vehicles(AGN) | | | | | | | | | | | | | | v | v | v | v | v | | |
| Hot film engine management (HFM) | | v | | | | v | v | v | | v | v | | | | v | v | v | v | v | v |
| Pressure fuel injection system (PMS) | | v | | | | | | | | | v | | | | v | v | v | v | | v |
| Electronic accelerator (EFP) | | v | | v | | v | v | | | | v | v | | | v | v | v | v | | |
| Base Module (GM) | | | | v | | v | v | | | | | | | | v | v | v | v | | |
| Hot wire fuel injection system (LH1) | | | | v | | v | v | | | | | | | | v | v | v | v | | v |
| Hot wire fuel injection system (LH2) | | | | | | v | v | | | | | | | | v | v | v | v | | v |
| Ignition system (EZ1) | | | | v | | v | v | | | | | | | | v | v | v | | | |
| Motor electronics Left (ME1_L) | | | | | | v | v | | | | | | | | v | v | v | | | |
| Motor electronics Right (ME1_R) | | | | | | v | v | | | | | | | | v | v | v | v | | |
| Motor electronics (ME2_H) | | | | | | v | v | v | | v | v | | | v | v | v | v | v | | |
| Motor electronics(ME28) M111,M112,M113 | | | | | | | | | | | | | | | v | v | v | v | | v |
| Automatic transmission(EGS52) | | | | | | | | | | | | | | | v | v | v | v | | v |
| Engine control module(ECM) | | | | | | | | | | | | | v | | v | v | v | | | |
| Drive authorization system shut-off valve(ASF/DSV) | | | | | | | v | | | | | | | | v | v | v | v | | |
| Diesel electronic in-line fuel injection(IFI/ERE) | | | | | | | v | | | | | | | v | v | v | v | v | | |
| Diesel electronic distributor-type fuel injection (EVE/DFI) | | | | | | | v | | | | | | | | v | v | v | v | | |
| Body | | | | | | | | | | | | | | | | | | | | |
| Airbag(Armin) | v | | | | | | | | | | | | | | v | v | v | v | | |
| Airbag (AB) | v | v | | v | | v | v | v | v | v | | | | | v | v | v | v | | |
| Airbag (ZAE) | | | | | | | | | | v | v | | v | | v | v | v | | | |
| ATA Anti-Theft Alarm (ATA_L) | | v | | v | | v | v | v | | v | | | | | v | v | v | v | | |
| Anti-theft control module (ATA) | | | | | | | | | | | v | | | | v | v | v | v | | |
| COMAND (D2B) | | | | | | v | | v | | | | | | | v | v | v | v | | v |
| Drive Authorization System (DAS2.0) | | | | | | v | v | v | | v | v | | | | v | v | v | | | |
| Drive Authorization System (DAS2.a) | | | | | | v | v | v | | v | v | | | | v | v | v | v | | v |

| System | Model | | | | | | | | | | | | | Function | | | | | |
|--|-------|-----|-----|-------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----------|----------|-----------|-----------|--------|-------|
| | ECU | 107 | 124 | 124 034/036 | 126 | 129 | 140 | 170 | 201 | 202 | 210 | 414 | 638 | ECU MODEL | READ DTC | ERASE DTC | LIVE Data | CODING | RESET |
| Drive Authorization System (DAS2.b) | | | | | V | V | V | | V | V | | | | V | V | V | V | | |
| Drive Authorization System (FBS414) | | | | | | | | | | | | | | V | V | V | V | | |
| Instrument cluster with maintenance interval display (KIW) | | | | | V | | | | | | | | | V | V | V | V | | V |
| Trailer recognition(AHE) [AAG203] | | | | | | | | | | | | | | V | V | V | | | |
| Instrument cluster with maintenance interval display (KIW) | | | | | V | V | V | | V | V | | | | V | V | V | V | | V |
| Headlamp range adjustment (LWR) | | | | | V | V | | | V | V | | | | V | V | V | V | | |
| Roadster Soft Top (RV) | | | | | V | | | | | | | | | V | V | V | V | | |
| Convenience feature (KFB_L) | | | | | | V | | | | | | | | V | V | V | V | | |
| Convenience feature (KFB) | | | | | | | | | | V | | | | V | V | V | V | | |
| Pneumatic System Equipment (PSE_L) | | | | | | V | | | | | | | | V | V | V | V | V | |
| Pneumatic System Equipment (PSE) | | | | | | | V | | | V | | | | V | V | V | V | | |
| Parktronic system (PTS) | | | | | | V | | | | V | | | | V | V | V | V | | |
| Multifunction control module (CCM_L) | | | | | | | V | | | | | | | V | V | V | V | | |
| Multifunction control module (CCM) | | | | | | | | | | V | | | | V | V | V | V | V | |
| Vario roof (VR) | | | | | | | V | | | | | | | V | V | V | V | | |
| Power Seat Adjustment (ESV1) | | | | | | | | | | V | | | | V | V | V | V | | |
| Power Seat Adjustment (ESV2) | | | | | | | | | | V | | | | V | V | V | V | | |
| Remote Central Locking (RCL) [DAS1.X] | | V | | V | | V | V | | V | V | | | | V | V | V | V | | |
| Immobilizer (with transponder) [WSP] | | | | | | | | | | | | V | | V | V | V | V | | |
| Chassis | | | | | | | | | | | | | | | | | | | |
| Anti-lock braking system (ABS30) | | | | | V | V | V | | V | V | | | | V | V | V | | | |
| Anti-lock braking system (ABS30_L) | | | V | | V | V | V | | V | V | | | | V | V | V | V | | |
| ASR Anti slip regulation System (ASR30) | | | | | V | V | | | V | V | | | | V | V | V | V | | |
| ASR Anti slip regulation System (ASR34) | | | | | V | V | | | V | V | | | | V | V | V | V | | |
| ASR Anti slip regulation System (ASR34_L) | | | V | | V | V | | | V | V | | | | V | V | V | V | | |
| ASR Anti slip regulation System (ASR30_L) | | | V | | V | V | | | V | V | | | | V | V | V | V | | |
| Adaptive Damping System (ADS) | | | | | V | V | | | | | | | | V | V | V | V | | |
| Electronic Traction System (ETS30) | | | | | V | V | | | V | V | | | | V | V | V | V | | |
| Electronic Traction System (ETS34) | | | | | V | V | | | V | V | | | | V | V | V | V | | |
| Electronic Traction System (ETS30_L) | | | V | | V | V | | | V | V | | | | V | V | V | V | | |
| Electronic Traction System (ETS34_L) | | | V | | V | V | | | V | V | | | | V | V | V | V | | |
| Brake assist (BAS) | | | | | V | V | V | | V | V | | | | V | V | V | V | | |
| Automatic Locking Differential (ASD) | | V | | | V | V | | | V | | | | | V | V | V | V | | |
| Speed control Steering (PML) | | | | | | V | | | | | | | | V | V | V | V | | |
| Electronic stability program (ESP34) | | | | | V | V | | | V | V | | | | V | V | V | V | | |
| Electronic stability program (ESP35) | | | | | V | V | | | V | V | | | | V | V | V | V | | |
| Electronic transmission Control (EAG 722.5) | | V | | | V | V | | | V | V | | | | V | V | V | V | | |
| Electronic transmission Control (EAG 722.6) | | | | | V | V | V | | | V | | | | V | V | V | V | V | V |
| Information & communication | | | | | | | | | | | | | | | | | | | |
| Instrument cluster module(ICM) [KI414] | | | | | | | | | | | V | | | V | V | V | | | |
| Parktronic(PTS414) | | | | | | | | | | | V | | | V | V | V | | | |
| COMAND(D2B) | | | | | | | | | | | V | | | V | V | V | V | V | |
| CD changer(CDC) | | | | | | | | | | | V | | | V | V | V | | | |
| Cellular telephone(CTEL) | | | | | | | | | | | V | | | V | V | V | | | |
| AIR Conditioning | | | | | | | | | | | | | | | | | | | |
| Automatic air conditioning (KLA) | | | | | V | V | | | V | V | | | | V | V | V | V | V | |
| Automatic air conditioning (KLA_L) | | | | | | V | | | | | | | | V | V | V | V | | |

| System | Model | | | | | | | | | | | | | Function | | | | | |
|---------------------------------------|-------|-----|-----|-------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----------|----------|-----------|-----------|--------|-------|
| | ECU | 107 | 124 | 124 034/036 | 126 | 129 | 140 | 170 | 201 | 202 | 210 | 414 | 638 | ECU MODEL | READ DTC | ERASE DTC | LIVE Data | CODING | RESET |
| Automatic air conditioning (KLA202) | | | | | | | | | √ | | | | | √ | √ | √ | √ | √ | |
| Automatic air conditioning (KLA414) | | | | | | | | | | | | | | √ | √ | √ | | | |
| Automatic temperature control (TAU) | | | | | | | √ | | √ | | | | | √ | √ | √ | √ | √ | |
| Automatic temperature control (TAU_L) | | | | | | | | | √ | | | | | √ | √ | √ | √ | √ | |
| Heater control(HZR) | | | | | | | | | | | | | √ | √ | √ | √ | √ | | |

BENZ

Software version : CAN

| System | Model | | Function | | | | | | |
|---|-------|---------|-----------|----------|-----------|-----------|-------|------------------------|-----------|
| | ECU | 211 220 | ECU MODEL | Read DTC | Erase DTC | Live data | Reset | Correction programming | Actuation |
| Powertrain | | | | | | | | | |
| Electronic selector level module(EWM211) | √ | | √ | √ | √ | | | | |
| Body | | | | | | | | | |
| Airbag (ARMADA211) | √ | √ | √ | √ | √ | | | | |
| Central gateway(CGW211) | √ | | √ | √ | √ | | | | |
| Left front reversible emergency tensioning retractor(RevETR-LF) | | √ | √ | √ | √ | | | | |
| Right front reversible emergency tensioning retractor(RevETR-RF) | | √ | √ | √ | √ | | | | |
| Electronic ignition switch(EIS) [EZS211] | √ | | √ | √ | √ | | | | |
| Headlamp range adjustment(HRA211) [LWR211] | √ | | √ | √ | √ | | | | |
| Overhead control panel(OCP) [DBE211] | √ | | √ | √ | √ | | | | |
| Overhead control panel(OCP) [DBE220] | | √ | √ | √ | √ | | | | |
| Upper control panel(UCP) [OBF211] | √ | | √ | √ | √ | | | | |
| Upper control panel(UCP) [OBF220_CAN] | | √ | √ | √ | √ | | | | |
| Lower control panel(LCP) [UBF211] | √ | | √ | √ | √ | | | | |
| Driver-side signal acquisition and actuation module (SAM-FL211) | √ | | √ | √ | √ | | | | |
| Passenger-side signal acquisition and actuation module(SAM-FR211) | √ | | √ | √ | √ | | | | |
| Rear signal acquisition and actuation module (REAR-SAM211) | √ | | √ | √ | √ | | | | |
| Battery control module(BCM) [BSG211] | √ | | √ | √ | √ | | | | |
| Trailer recognition(AHE) [AAG211] | √ | | √ | √ | √ | | | | |
| Special vehicle multifunction control module (SVMCM) [MSS211] | √ | | √ | √ | √ | | | | |
| Information & communication | | | | | | | | | |
| Instrument cluster module(ICM) [KI211] | √ | | √ | √ | √ | | | | |
| Active Service System(ASSYST) | √ | | √ | √ | √ | | | | |
| PLUS Active Service System(ASSYST PLUS) | √ | | √ | √ | √ | | | | |
| Steering column module(SCM211) | √ | | √ | √ | √ | | | | |
| Parktronic(PTS211) | √ | | √ | √ | √ | | | | |
| Audio , video, navigation and telematics | √ | | √ | √ | √ | | | | |
| Seats & doors | | | | | | | | | |

| System | Model | | Function | | | | | | |
|--|-------|---------|----------|----------|-----------|-----------|-------|------------------------|-----------|
| | ECU | 211 220 | ECU | Read DTC | Erase DTC | Live data | Reset | Correction programming | Actuation |
| MODEL | | | | | | | | | |
| Front-left door control module(DCM-FL) [TSGVL211] | V | | V | V | V | | | | |
| Front-right door control module(DCM-FR) [TSGVR211] | V | | V | V | V | | | | |
| Rear-left door control module(DCM-RL) [TSGHL211] | V | | V | V | V | | | | |
| Rear-right door control module(DCM-RR) [TSGHR211] | V | | V | V | V | | | | |
| Driver electric seat adjustment (SSGF211) | V | | V | V | V | | | | |
| Passenger electric seat adjustment(SSGB211) | V | | V | V | V | | | | |
| Left front dynamic seat(DS-LF) | V | | V | V | V | | | | |
| Right front dynamic seat(DS-RF) | V | | V | V | V | | | | |
| Pneumatic pump for dynamic seat(DSP220) | | V | V | V | V | | | | |
| Trunk lid control(TLC211) | V | | V | V | V | | | | |
| Air conditioning | | | | | | | | | |
| Stationary heater(STH) [STH211] | V | | V | V | V | | | | |
| Stationary heater(STH) [STH220_CAN] | | V | V | V | V | | | | |
| Automatic air conditioning(AAC) [KLA211] | V | | V | V | V | | | | |

| System | Model | | Function | | | | | | | |
|--|-------|-----|----------|----------|-----------|-----------|-------|--------|-----------|------------|
| | ECU | 169 | ECU | Read DTC | Erase DTC | Live data | Reset | Coding | Actuation | Short test |
| MODEL | | | | | | | | | | |
| Powertrain | | | | | | | | | | |
| Electronic selector level module(EWM) | V | V | V | V | V | | | | | |
| Continuously variable automatic transmission(FCVT) | V | V | V | V | V | | | | | |
| Continuously variable automatic transmission(SIN266) | V | V | V | V | V | | | | | |
| Chassis | | | | | | | | | | |
| Electronic stability program (ESP) | V | V | V | V | V | | | | | |
| Electrical power steering (EPS) | V | V | V | V | V | | | | | |
| Body | | | | | | | | | | |
| Central gateway(ZGW169) | V | V | V | V | V | | | | | |
| Electronic ignition switch(EZS169) | V | V | V | V | V | | | | | |
| Overhead control panel(OCP) [DBE169] | V | V | V | V | V | | | | | |
| Anti-theft alarm(ATA) (EDW169) | V | V | V | V | V | | | | | |
| Steering column module(SCM169) | V | V | V | V | V | | | | | |
| Signal acquisition and actuation module(SAM169) | V | V | V | V | V | | | | | |
| Trailer recognition(AHE) (AAG169) | V | V | V | V | V | | | | | |
| Special vehicle multifunction control module(SVMCM) (MSS169) | V | V | V | V | V | | | | | |
| Headlamp range adjustment(HRA_FL) | V | V | V | V | V | | | | | |
| Headlamp range adjustment(HRA_FR) | V | V | V | V | V | | | | | |
| System Diagnosis(SD) | V | V | V | V | V | | | | | |
| Information & communication | | | | | | | | | | |
| Instrument cluster module(KI169) | V | V | V | V | V | | | | | |
| ASSYST Active Service System(WIA169) | V | V | V | V | V | | | | | |

| System | Model | | Function | | | | | | |
|--|-------|-------|----------|-----------|-----------|-------|--------|-----------|------------|
| ECU | 169 | ECU | Read DTC | Erase DTC | Live data | Reset | Coding | Actuation | Short test |
| | | MODEL | | | | | | | |
| ASSYST PLUS-PLUS Active Service System(WR169) | V | V | V | V | | | | | |
| Audio, Video, navigation and telematics(AGW) | V | V | V | V | | | | | |
| Parktronic(PTS169) | V | V | V | V | | | | | |
| Seats & doors | | | | | | | | | |
| Front-left door control module(DCM-FL) [TSGVL169] | V | V | V | V | | | | | |
| Front-right door control module(DCM-FR) [TSGVR169] | V | V | V | V | | | | | |
| Rear-left door control module(DCM-RL) [TSGHL169] | V | V | V | V | | | | | |
| Rear-right door control module(DCM-RR) [TSGHR169] | V | V | V | V | | | | | |
| AIR Conditioning | | | | | | | | | |
| Automatic air conditioning(AAC) [KLA169] | V | V | V | V | | | | | |

| System | Model | | Function | | | | | | |
|--|-------|-------|----------|-----------|-----------|-------|--------|-----------|------------|
| ECU | 171 | ECU | Read DTC | Erase DTC | Live data | Reset | Coding | Actuation | Short test |
| | | MODEL | | | | | | | |
| Powertrain | | | | | | | | | |
| Automatic transmission(EGS52) | V | V | V | V | E1 | V | V | | V |
| Easy-shift manual transmission(KSG) | V | V | V | V | | | | | V |
| Electronic selector level module(EWM) | V | V | V | V | | | | | V |
| Motor electronics(SIM4LSE) | V | V | V | V | E1 | V | V | V | V |
| Motor electronics(SIM4LDE) | V | V | V | V | V | V | V | V | V |
| VGSNAG2 | V | V | V | V | | | | | V |
| Chassis | | | | | | | | | |
| Electronic stability program (ESPMK25) | V | V | V | V | | | | | V |
| Body | | | | | | | | | |
| Vario roof(VD) | V | V | V | V | | | | | V |
| Central gateway(ZGW171) | V | V | V | V | | | | | V |
| Electronic ignition switch(EZS171) | V | V | V | V | | | | | V |
| Airbag(ARMADA171) | V | V | V | V | | | | | V |
| Overhead control panel(OCP) [DBE171] | V | V | V | V | | | | | V |
| Upper control panel(UCP) [OBF171] | V | V | V | V | | | | | V |
| Signal acquisition and actuation module front(SAMV171) | V | V | V | V | | | | | V |
| Rear signal acquisition and actuation module(SAMH171) | V | V | V | V | | | | | V |
| Steering column module(SCM171) | V | V | V | V | | | | | V |
| Headlamp range adjustment(ALWR) | V | V | V | V | | | | | V |
| Information & communication | | | | | | | | | |
| Parktronic(PTS171) | V | V | V | V | | | | | V |
| Instrument cluster module(KI171) | V | V | V | V | | | | | V |
| ASSYST Active Service System(WIA171) | V | V | V | V | | | | | V |
| ASSYST PLUS-PLUS Active Service System(WR171) | V | V | V | V | | | | | V |
| Audio, Video, navigation and telematics(AGW) | V | V | V | V | | | | | V |
| Seats & doors | | | | | | | | | |
| Left door control module(DCM-L) [TSG-L] | V | V | V | V | | | | | V |

| System | Model | | Function | | | | | | |
|--|-------|-------|----------|-----------|-----------|-------|--------|-----------|------------|
| ECU | 171 | ECU | Read DTC | Erase DTC | Live data | Reset | Coding | Actuation | Short test |
| | | MODEL | | | | | | | |
| Right door control module(DCM-R) [TSG-R] | V | V | V | V | | | | | V |
| Electric seat adjustment driver (with memory) (ESA driver) | V | V | V | V | | | | | V |
| Electric seat adjustment front passenger (with memory) (ESA passenger) | V | V | V | V | | | | | V |
| Seat heater (HS) | V | V | V | V | | | | | V |
| AIR Conditioning | | | | | | | | | |
| Automatic air conditioning(AAC) [KLA171] | V | V | V | V | | | | | V |
| Heated steering wheel(HSW) | V | V | V | V | | | | | V |

BENZ

Software version : E1

| System | Model | | | | | | | | | | | | | | Function | | | | | | |
|---|-------|-----|-----|-------|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------|----------|-------|----------|-----------|-----------|--------|
| ECU | 129 | 163 | 168 | 170 | | 202 | 203 | 208 | 209 | 210 | 211 | 215 | 220 | 230 | 463 | Sprinter | ECU | Read DTC | Erase DTC | Live data | Coding |
| | | | | model | 16pin | | | | | | | | | | | | 38pin | | | | |
| Powertrain | | | | | | | | | | | | | | | | | | | | | |
| Automatic transmission(EGS) | V | V | | V | V | V | V | V | | V | | V | V | V | V | | V | V | V | V | V |
| Automatic transmission(EGS52) | | V | | V | | | V | V | | V | V | V | V | V | V | | V | V | V | V | |
| Motor electronics(ME20) M113 | | | | | | | | | | | | V | V | | | | V | V | V | V | |
| Motor electronics(ME2_H) M111,M112,M104 | V | V | | V | V | V | | V | | V | | V | V | | | | V | V | V | V | |
| Motor electronics(ME27) M137 | | | | | | | | | | | | V | V | | | | V | V | V | V | |
| Motor electronics(ME28) M111,M112,M113 | | V | | V | | V | V | V | | V | V | V | V | V | V | | V | V | V | V | |
| Motor electronics(SIM4) M111 | | | | V | | V | V | V | | V | | | | | | | V | V | V | V | |
| Hot film engine management (HFM) | V | | | | | V | | | | V | | | | | | | V | V | V | V | |
| Common-Rail Diesel injection(CDI 1) | | | V | | | V | | | | | | | | | | | V | V | V | V | |
| Common-Rail Diesel injection(CDI 2) | | V | | | | | V | | V | V | | | V | | V | V | V | V | V | V | |
| Body | | | | | | | | | | | | | | | | | | | | | |
| Radio frequency locking(RFL) [DAS2a] | V | | V | V | V | | | | | | | | | | | | V | V | V | V | V |

BMW

DTC Language : English, Chinese, Japanese, German, French, Portuguse

● Short test: E36, E38, E39, E46, E53, E60, E63/E64, E65/E66

● Air Bag Short test: E60, E63/E64, E65/E66

● Oil Reset: E38, E39, E46

● CBS: E60, E65

| System | Car Model | Function | | | | | | |
|--|-------------------------------------|-----------|----------|----------|-----------|-----------|-----------|---|
| | | ECU model | Read DTC | | Erase DTC | Live Data | Actuation | Service function |
| | | | DTC | Language | | | | |
| Powertrain | | | | | | | | |
| Digital Motor Electronics(DME) | Old Car | V | V | V | V | V | | ● Code control unit ● CO Adjustment |
| Digital Motor Electronics(DME) | E36,E38,E39,E46, E52,E53,E83,E85 | V | V | V | V | V | | ● EWS_DME adjustment ● Clear adaptations ● Repair Instruction ● Clear mixture Adaptation |
| Digital diesel electronics(DDE) | Old Car,E36,E38,E39,E46,E53 | V | V | V | V | V | | ● Repair Instruction |
| Diesel Electronics3.0(DDE DDE3.0) | E39 ,E46 | V | V | V | V | V | V | |
| Diesel Electronics4(DDE DDE 4) | E38,E39,E46,E53 | V | V | V | V | V | V | ● EWS DME adjustment |
| Digital Diesel Electronics(DDE EU4) | E83,E46 | V | | | V | | | |
| Electronic transmission control(AGS / EGS) | Old Car | V | V | V | V | V | | ● ATF Oil Change |
| Transmission control(EGS) | E38,E39,E46,E52,E83,E85 | V | V | V | V | V | V | ● Clear Adaptation |
| GS20 | E36,E39,E46 | V | V | V | V | V | V | ● Clear Adaptation |
| Electronic transmission control(AGS / EGS/SMG) | E36 | V | V | V | V | V | V | ● Clear Adaptation |
| Sequential(SMG) | E36,E46,E85 | V | V | V | V | V | V | |
| Chassis | | | | | | | | |
| Anti-lock brake system /Automatic stability control(ABS / ASC) | Old Car,E36,E38,E39,E46 | V | V | V | V | V | | ● ABS Brake Lining Warning Lamp |
| Dynamic Stability Control(DSC) | E38,E39,E46,E52,E83,E85 | V | V | V | V | V | | ● ABS Brake Lining |
| Dynamic Stability Control 5.7(DSC 5.7) | E46,E53 | V | V | V | V | V | V | ● ABS Brake Lining |
| Dynamic Stability Control 8(DSC 8) | E53 | V | V | V | V | V | V | |
| Dynamic Stability Control MK20(DSC MK20) | E46 | V | V | V | V | V | | ● ABS Brake Lining |
| Dynamic Stability Control MK60(DSC MK60) | E36,E46 | V | V | V | V | V | V | |
| Body | | | | | | | | |
| AIRBAG(AB) | Old Car | V | V | V | V | X | | |
| AIRBAG(AB) | E36,E38,E39 | V | V | V | V | V | | |
| Multiple restraint system II(MRS II) | E38,E39,E46 | V | V | V | V | V | | |
| Multiple restraint system III/IV(MRSIII/IV) | E36,E38,E46,E39,E52,E53 | V | V | V | V | V | | |
| Multiple restraint system V(MRS V) | E83 | V | V | V | V | | | |
| Integrated Automatic Heater(IHKA) | E36,E38,E39,E46,E53,E83,E85 | V | V | V | V | V | V | ● Read coding data |
| IHKRHeater and A/C control(IHKR) | E38,E39,E46,E53,E83 | V | V | V | V | V | V | ● Read coding data |

| | | | | | | | | |
|---------------------------|---------|---|---|---|---|---|---|--|
| Heater -A/C control(IHKS) | E52,E85 | V | V | V | V | V | V | |
|---------------------------|---------|---|---|---|---|---|---|--|

BMW E60/E65 Short test Function List

| System | | | Short test | |
|---|-----|-----|------------|----------|
| | ECU | E60 | E65 | Read DTC |
| Powertrain | | | | |
| Digital Motor Electronics(DME) | V | V | V | V |
| Car Access System(CAS) | V | V | V | V |
| Electronic transmission control(AGS / EGS) | V | V | V | V |
| Sequential Manual Gearbox(SMG) | V | | | V |
| Valvetronic(VTC) | | V | | V |
| Valvetronic2(VTC2) | | V | | V |
| Chassis | | | | |
| Active Cruise Control(ACC) | V | V | | V |
| Active Front Steering(AFS) | V | V | | V |
| Dynamic Drive(ARS) | V | V | V | V |
| Dynamic Drive 2(ARS) | V | V | V | V |
| Dynamic Stability Control(DSC) | V | V | V | V |
| Tire pressure control(RDC) | V | V | | V |
| Chassis Integration Module(CIM) | | V | | V |
| Chassis Integration Module2(CIM2) | | V | V | V |
| Damper Control(EDC) | | V | | V |
| Ride level (height) control(EHC) | | V | V | V |
| Parking brake(EMF) | | V | V | V |
| Body | | | | |
| Adaptive directional headlights(AHL) | V | V | V(E60) | V(E60) |
| Trailer module(AHM) | V | V | | V |
| Control center, center console(BZM) | | V | | V |
| Rear compartment,control center ,center console(FBZM) | | V | | V |
| Comfort Access(CA) | V | V | | V |
| CAN/byeflight | V | | V | X |
| Controller(CON) | V | V | | V |
| Rear compartment controller(FCON) | | V | | V |
| Antitheft alarm system(DWA) | V | V | | V |
| Rear-lid lift(HKL) | | V | V | V |
| Body basic module(KBM) | V | | | V |
| Headset interface(KHI) | V | V | | V |
| Lights Module(LM) | | V | | V |
| Lights Module 2(LM2) | V | V | V | V |
| Park Distance Control(PDC) | V | V | V | V |
| Power Module(PM) | | V | | V |
| Micro -power module (MPM) | V | | | V |
| Rain/Light Sensor(RLS) | V | V | | V |

| System | | | Short test | | |
|---|-----|-----|------------|----------|-----------|
| | ECU | E60 | E65 | Read DTC | Erase DTC |
| Suppliemetary control module(SEC) | | | √ | | √ |
| Suppliemetary control module 2(SEC2) | | | √ | | √ |
| Control module,rear-compartment display(SG-FD) | | | √ | | √ |
| Control module,rear-compartment display (Gateway) [SG-FD-GW] | | | √ | | √ |
| Sliding/tilting sunroof(SHD) | √ | | √ | | √ |
| Sliding/tilting sunroof 2(SHD2) | | | √ | | √ |
| Siren and tilt sensor(SINE) | √ | | √ | | √ |
| Switch center,steering column(SZL) | √ | | √ | √ | √ |
| Switching center,center console(SZM) | √ | | | | √ |
| Wiper module(WIM) | | | √ | | √ |
| Information & communication | | | | | |
| Amplifier (AMP) | √ | | √ | | √ |
| Antenna/antenna tuner (ANT) | | | √ | | √ |
| Audio system controller (ASK) | | | √ | √ | √ |
| Applications (CCC-A) | √ | | | | |
| Antenna tuner (CCC-ANT) | √ | | | | |
| Audio system controller (CCC-ASK) | √ | | | | |
| User interface (CCC-BO) | √ | | | | |
| Gateway (CCC-GW) | √ | | | | |
| Control Display (CD) | | | √ | | |
| CD Changer (CDC) | √ | | √ | | √ |
| Control Display (Gateway) [CD-GW] | | | √ | √ | √ |
| Central information Display (CID) | √ | | | | √ |
| DVD Changer (DVDC) | √ | | √ | | |
| Rear-compartment display(FD) | √ | | √ | | |
| Head-Up Display (HUD) | √ | | | | |
| Instrument cluster (INSTR) | √ | | √ | √ | √ |
| Japan Basis Interface Telephone (JBIT) | | | √ | | |
| Navigation system (NAV) | | | √ | | |
| Navigation system,Japan (JNAV) | √ | | √ | | |
| User interface (M-ASK-BO) | √ | | √ | √ | √ |
| Gateway (M-ASK-GW) | √ | | √ | √ | √ |
| Navigation system (M-ASK-NAV) | √ | | | | |
| Satellite, B-pillar, left (SBSL) | √ | | √ | √ | √ |
| Satellite, B-pillar,right (SBSR) | √ | | √ | √ | √ |
| Satellite,door,front left (STVL) | | | √ | √ | √ |
| Satellite vehicle center (SFZ) | √ | | √ | √ | √ |
| Satellite,A-pillar,left (SASL) | | | √ | √ | √ |
| Satellite,A-pillar,right (SASR) | | | √ | √ | √ |
| Satellite,door,front right (STVR) | | | √ | √ | √ |
| Language processing system (SVS) | | | √ | | |

| System | | | | Short test | |
|---|-----|-----|-----|------------|-----------|
| | ECU | E60 | E65 | Read DTC | Erase DTC |
| Safety and information Module(SIM) | | √ | √ | √ | |
| Safety and Gateway Module (SI (SGM-SIM) | √ | | √ | √ | |
| Safety and Gateway Module (Z (SGM-ZGM) | √ | | | √ | |
| Satellite,seat,driver (SSFA) | | √ | √ | √ | |
| Satellite,seat,passenger (SSBF) | | √ | √ | √ | |
| Satellite,seat,rear (SSH) | | √ | √ | √ | |
| Telematic Control Unit (TCU) | √ | √ | | | |
| Telephone (TEL) | | √ | | | |
| Universal charging and hands-free faci (ULF) | √ | | | √ | |
| Video Module (VM) | √ | √ | | | |
| Central Gateway Module (ZGM) | | √ | √ | √ | |
| Flexible Bus Interface(FBI) | | √ | | | |
| Seats and doors | | | | | |
| Seat module,driver(SMFA) | √ | √ | | √ | |
| Seat module,passenger(SMBF) | √ | √ | | √ | |
| Seat module,driver's side rear(SMFAH) | | √ | | √ | |
| Seat module,passenger's side rear(SMBFH) | | √ | | √ | |
| Door module,driver(TMFA) | √ | | √ | √ | |
| Door module,front passenger(TMBF) | √ | | √ | √ | |
| Door module,passenger door(TMBFT) | | √ | √ | √ | |
| Door module,passenger's side rear(TMBFH) | | √ | √ | √ | |
| Door module,driver's door(TMFAH) | | √ | √ | √ | |
| Door module,driver's side rear(TMFAH) | | √ | √ | √ | |
| Air condition | | | | | |
| Integrated automatic heating/air conditioning(IHKA) | √ | √ | √ | √ | |
| Independent/auxiliary heater(SHZH) | √ | √ | | | |
| Rear heater/air conditioning(FKA) | | √ | | √ | |

BMW E60/E65 SRS Short test Function List

| System | | | | Short test | | |
|---------|-----|-----|---------|------------|----------|-----------|
| | ECU | E60 | E63/E64 | E65/E66 | Read DTC | Erase DTC |
| SASL | | X | X | √ | √ | √ |
| SASR | | | X | √ | √ | √ |
| SBSL | | √ | √ | √ | √ | √ |
| SBSR | | √ | √ | √ | √ | √ |
| SFZ | | √ | √ | √ | √ | √ |
| SGM-SIM | | √ | √ | √ | √ | √ |
| SSBF | | X | X | √ | √ | √ |
| SSFA | | X | X | √ | √ | √ |
| SSH | | X | X | √ | √ | √ |
| STVL | | X | X | √ | √ | √ |
| STVR | | X | X | √ | √ | √ |

| System | | | | Short test | |
|--------|-----|---------|---------|------------|-----------|
| | E60 | E63/E64 | E65/E66 | Read DTC | Erase DTC |
| ECU | V | V | V | V | V |
| SZL | V | V | V | V | V |

AUDI/VW/SEAT/SKODA

Available year : ~2002(Except CAN Diagnosis)

| System | Function | | | | | | | |
|---|----------|-----------|---------------|---------------|-------------------------|----------|--------|--------|
| | Read DTC | Erase DTC | Final control | Basic setting | Live data (Data stream) | Adaption | Coding | Log in |
| Powertrain | | | | | | | | |
| 01 Engine electronics | V | V | V | V | V | V | V | |
| 11 Engine electronics 2 | V | V | V | V | V | V | V | |
| 21 Engine electronics 3 | V | V | V | V | V | V | V | |
| 31 Engine electronics conjunction | V | V | V | V | V | V | V | |
| 41 Diesel pump electronics | V | V | V | V | V | V | V | |
| 51 Electro drive | V | V | V | V | V | V | V | |
| 61 Battery regulation | V | V | V | V | V | V | V | |
| 71 Battery charger | V | V | V | V | V | V | V | |
| 02 Gearbox electronics | V | V | V | V | V | V | V | |
| 12 Clutch electronics | V | V | V | V | V | V | V | |
| 13 Distance control | V | V | V | V | V | V | V | |
| System | | | | | | | | |
| Function | | | | | | | | |
| System | Read DTC | Erase DTC | Final control | Basic setting | Live data (Data stream) | Adaption | Coding | Log in |
| 58 Auxiliary fuel tank | V | V | V | V | V | V | V | |
| 33 OBD | V | V | V | V | V | V | V | |
| Chassis | | | | | | | | |
| 22 4WD electronics / Four wheel drive electronics | V | V | V | V | V | V | V | |
| 03 Brake electronics | V | V | V | V | V | V | V | |
| 23 Brake Booster | V | V | V | V | V | V | V | |
| 43 Brake Booster assistance | V | V | V | V | V | V | V | |
| 53 Parking brake | V | V | V | V | V | V | V | |
| 14 Wheel damping electronics / Suspension electronics | V | V | V | V | V | V | V | |
| 24 Drive slip control / Traction control | V | V | V | V | V | V | V | |
| 34 Self leveling suspension | V | V | V | V | V | V | V | |
| 64 Stabilizers | V | V | V | V | V | V | V | |
| 65 Tyre pressure monitoring | V | V | V | V | V | V | V | |
| 59 Towing protection | V | V | V | V | V | V | V | |
| 69 Trailer function | V | V | V | V | V | V | V | |
| Body | | | | | | | | |
| 32 Locking electronics | V | V | V | V | V | V | V | |
| 42 Driver_side door electronics | V | V | V | V | V | V | V | |
| 52 Passenger side door electronics | V | V | V | V | V | V | V | |
| 62 Left rear door electronics | V | V | V | V | V | V | V | |
| System | | | | | | | | |
| Function | | | | | | | | |

| | Read DTC | Erase DTC | Final control | Basic setting | Live data (Data stream) | Adaption | Coding | Log in |
|--|-----------------|-----------|---------------|---------------|-------------------------|----------|--------|--------|
| 72 Right rear door electronics | V | V | V | V | V | V | V | |
| 63 Driver side boarding assistance | V | V | V | V | V | V | V | |
| 73 Passenger side boarding assistance | V | V | V | V | V | V | V | |
| 44 Steering assistance | V | V | V | V | V | V | V | |
| 54 Rear spoiler | V | V | V | V | V | V | V | |
| 15 Airbag | V | V | V | V | V | V | V | |
| 25 Immobilizer | V | V | V | V | V | V | V | V |
| 35 Central locking | V | V | V | V | V | V | V | |
| 45 Interior scanning / Interior monitoring | V | V | V | V | V | V | V | |
| 55 Headlight range control / Automatic vertical headlight aim control | V | V | V | V | V | V | V | |
| 16 Steering wheel electronic | V | V | V | V | V | V | V | |
| 26 Electric roof control | V | V | V | V | V | V | V | |
| 46 Central module convenience System / Convenience system central module | V | V | V | V | V | V | V | |
| 38 Roof electronics | V | V | V | V | V | V | V | |
| 68 Wiper electronics | V | V | V | V | V | V | V | |
| 78 Sliding door right | V | V | V | V | V | V | V | |
| 0D Sliding door left | V | V | V | V | V | V | V | |
| 09 Electronic CU / Electronic central electrics | V | V | V | V | V | V | V | |
| 29 Left light control / Light control left | V | V | V | V | V | V | V | |
| 39 Right light control / Light control Right | V | V | V | V | V | V | V | |
| 49 Auto. Lighting switch | V | V | V | V | V | V | V | |
| Information and Communication | | | | | | | | |
| 75 Emergency call module / Telematics | V | V | V | V | V | V | V | |
| 1C Vehicle position detection | V | V | V | V | V | V | V | |
| 56 Radio | V | V | V | V | V | V | V | |
| 76 Parking aid | V | V | V | V | V | V | V | |
| 2D Voice amplification | V | V | V | V | V | V | V | |
| 07 Display_control unit | V | V | V | V | V | V | V | |
| 17 Dash panel insert | V | V | V | V | V | V | V | |
| 27 Display_control unit rear | V | V | V | V | V | V | V | |
| 37 Navigation | V | V | V | V | V | V | V | |
| 47 Sound system | V | V | V | V | V | V | V | |
| 57 TV tuner | V | V | V | V | V | V | V | |
| 67 Language control / Voice Control | V | V | V | V | V | V | V | |
| 77 Telephone | V | V | V | V | V | V | V | |
| 6E Roof Display_Control Head | V | V | V | V | V | V | V | |
| 19 Data bus diagnostic interface / Diagnostic interface for data bus | V | V | V | V | V | V | V | |
| 0F Radio Tuner digital | V | V | V | V | V | V | V | |
| 1F Radio Tuner Satellite | V | V | V | V | V | V | V | |
| 2F TV Tuner digital | V | V | V | V | V | V | V | |
| Seats and doors | | | | | | | | |
| 05 Access and start permission | V | V | V | V | V | V | V | |
| 06 Passenger_side seat adjustment | V | V | V | V | V | V | V | |
| 36 Driver's side seat adjustment / Seat steering column adjustment driver side | V | V | V | V | V | V | V | |
| System | Function | | | | | | | |

| | Read DTC | Erase DTC | Final control | Basic setting | Live data (Data stream) | Adaption | Coding | Log in |
|---|----------|-----------|---------------|---------------|-------------------------|----------|--------|--------|
| 66 Seat/mirror adjust / Rear seat adjustment | V | V | V | V | V | V | V | |
| 48 Drivers side seat adjustment rear | V | V | V | V | V | V | V | |
| Air conditioning | | | | | | | | |
| 08 AC/Heating electronics | V | V | V | V | V | V | V | |
| 18 Aux. heating / Additional /auxiliary heating | V | V | V | V | V | V | V | |
| 28 Climate control unit rear | V | V | V | V | V | V | V | |
| 7D Auxiliary heater | V | V | V | V | V | V | V | |

VOLVO

| System | Model | | | | | | | | Function | | | | |
|-------------------|------------|------------|---------|---------|---------|-----|-----|----------|----------|-----------|-----------|--------|------------------|
| | 1996~2002 | | | | | | | | Read DTC | Erase DTC | Live data | Active | Special function |
| ECU | 800 series | 900 series | S40/V40 | S70/V70 | S90/V90 | C70 | V40 | S40(~04) | Read DTC | Erase DTC | Live data | Active | Special function |
| Powertrain | | | | | | | | | | | | | |
| EMS2000 | | | | | | | V | V | V | V | V | | |
| Motronic 4.4 | V | V | | V | V | V | | | V | V | V | V | Reset Adaption |
| LH 2.4 | | V | | | | | | | V | V | | | |
| EZ 116K | | V | | | | | | | V | V | | | |
| LH 3.2 | V | | | | | | | | V | V | | | |
| EZ 129K | V | | | | | | | | V | V | | | |
| DSA | | | V | | | | | | V | V | V | V | Reset Adaption |
| Cruise Control | V | V | | V | V | V | | | V | V | | | |
| Diesel msa 15.7 | V | | | V | | | | | V | V | V | V | |
| Electrical | | | | | | | | | | | | | |
| Combi | V | | V | V | | V | | | V | V | V | V | Clear SRL |

| System | Model | | | | | | | Function | | | | |
|---------------------|------------|------------|---------|---------|---------|-----|----------|-----------|-----------|-----------|------------------|------------------|
| | 1996~2002 | | | | | | | Read DTC | Erase DTC | Live data | Active | Special function |
| ECU | 800 series | 900 series | S40/V40 | S70/V70 | S90/V90 | C70 | Read DTC | Erase DTC | Live data | Active | Special function | |
| Immobilizer | | | V | | | | V | V | V | V | | |
| Immobilizer 2 | V | V | | | V | | V | V | V | V | | |
| Immobilizer 2/3 | | | | V | | V | V | V | V | V | | |
| RTI | | | | V | V | V | V | V | V | V | System Tests | |
| Transmission | | | | | | | | | | | | |
| AW 30-40/30-43 | | V | | | V | | V | V | V | V | | |
| AW 50-42 | V | | | V | | V | V | V | V | V | | |
| AW 50-42 TDI | V | | | V | | | V | V | V | V | | |
| Brakes | | | | | | | | | | | | |
| ABS | V | V | V | V | V | V | V | V | V | V | | |
| Body | | | | | | | | | | | | |
| Left seat | V | V | | V | V | V | V | V | V | V | | |
| Right seat | V | V | | V | V | V | V | V | V | V | | |
| Air Bag 6.2 | V | V | V | V | V | V | V | V | V | V | | |
| Keyless Entry | | | V | | | | V | V | V | V | Read Alarm Cause | |
| VGLA | | | | V | | V | V | V | V | V | Read Alarm Cause | |

| System | Model | | | | | | Function | | | | |
|------------------|------------|------------|---------|---------|---------|-----|----------|-----------|-----------|--------|--------------------|
| | 1996~2002 | | | | | | Read DTC | Erase DTC | Live data | Active | Special function |
| ECU | 800 series | 900 series | S40/V40 | S70/V70 | S90/V90 | C70 | | | | | |
| ADD HEATER 912-D | | | | v | | | v | v | v | v | Voltage Prot. |
| Climate Control | v | | v | v | | v | v | v | v | | Adjust Motors |
| SRS CAB | | | | | | v | v | v | v | v | |
| ROPS | | | | | | v | v | v | v | v | |
| CCU | | | | | | v | v | v | v | v | Read Program Stat. |

| System | Model | | | | | | Function | | |
|---------------------|-------------|------------|------------|------------|------------|---|----------|-----------|--|
| | 1996 Before | | | | | | Read DTC | Erase DTC | |
| ECU | 200 series | 400 series | 700 series | 800 series | 900 series | | | | |
| Powertrain | | | | | | | | | |
| LH 2.4 | v | | | v | | v | | v | |
| LH 3.1 | v | | | | | v | | v | |
| FENIX 3B -92 | | v | | | | v | | v | |
| FENIX 3B 93- | | v | | | | v | | v | |
| EZ 116K | v | | | v | | v | | v | |
| Regina | | | | v | | v | | v | |
| REX-I | | | | v | | v | | v | |
| Turbo Control | | | | v | | v | | v | |
| Cruise Control | | v | | v | v | v | | v | |
| Electrical | | | | | | | | | |
| Combi | | | | | v | | | v | |
| CEM III | | v | | | | | | v | |
| Transmission | | | | | | | | | |
| AW 30-40/30-43 | | | | | | v | | v | |
| AW 50-42 | | | | | v | | | v | |
| Brakes | | | | | | | | | |
| ABS | | v | | v | | v | | v | |
| Body | | | | | | | | | |
| Power Seat | | | | | | v | | v | |
| Air Bag | | v | | | | | | v | |
| Air Bag 2.2/2.3 | | | | | v | | v | v | |
| Keyless Entry | | v | | | | | | v | |
| Climate Control | | | | | v | | | v | |

For perfect performance of WIN-STAR or MAGUS PC-based Automotive Diagnosis, please confirm PC/Laptop you or your clients select must follow the requirement below.

PC/Laptop Requirements:

1. 1~2.8G Hz
- To exceed this limitation is not allowed.
2. RAM: 512MB
3. HD: 1G (free capacity at least)
4. Computer: it is better to use the computer with RS232 port. In case without it, please use a USB-RS232 converter. (USB Converter can be purchased from I.C.M. company now)
5. Operation System: WINDOW 2000 or WINDOW XP only