

WIN-STAR Diagnostic system Function List-----BMW

UPDATE : 2008/05/02



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. 20 PIN cable ( from multiplexer box to vehicle )
3. Instruction manual.
4. Suit case.

Version : S1  
Software version : B0803

Old Car: E23, E24, E28, E30, E31, E32, E34, E36(Before  
CO Adjustment: W/O CAT  
V: available now. X: BMW system not equipped with function.  
DTC Language: English, Chinese, Japanese, German, French,  
Portuguse  
Live Data Language: English, Chinese  
Automatic Model : E36/E38/E39/E46/E52/E53  
Oil Reset: 16/20 Pin plug  
Recoding : EWS recoding, LCM recoding  
Help Function : Repair Help(ET-III)

System	Car Model	Function							
		ECU model	Read DTC		Erase DTC	Live Data		Actuation	Service function
			DTC	Language		LV	Language		
<b>Powertrain</b>									
Digital Motor Electronics(DME)	Old Car,E36,E38,E39,E46, E52,E53,E83,E85	V	V	V	V	V	EN/CH	DME M3.3 M60 DME M5.2 M44/M62 DME MSS50 DME MS41.0/41.1 M52 DME MS41.1 M52 DME MS41.1 M52 ORVR DME M5.2.1 M62	<ul style="list-style-type: none"> <li>● Code control unit(Old Car)</li> <li>● EWS Syn</li> <li>● Clear adaptations(E38,E39,E46,E52,E53)</li> <li>● CO Adjustment(Old Car,E36,E38,E39)</li> <li>● Repair Instruction</li> </ul>
BMS 46	E36,E39,E46	V	V	V	V	V	EN/CH	New	<ul style="list-style-type: none"> <li>● EWS Syn</li> <li>● Reset_adaptations</li> <li>● Repair Instruction</li> </ul>
Digital Motor Electronics42(DME MS42)	E36,E38,E39,E46	V	V	V	V	V	EN/CH	New	<ul style="list-style-type: none"> <li>● EWS Syn</li> <li>● Repair Instruction</li> </ul>
Digital Motor Electronics43(DME MS43)	E36,E39,E46,E53,E85	V	V	V	V	V	EN/CH	New	<ul style="list-style-type: none"> <li>● EWS Syn</li> <li>● Repair Instruction</li> </ul>
Digital Motor Electronics52(DME MSS52)	E39,E52	V	V	V	V	V	EN/CH		<ul style="list-style-type: none"> <li>● EWS_DME adjustment</li> <li>● Clear mixture Adaptation</li> </ul>
Digital Motor Electronics7.2(DME ME7.2)	E38,E39,E52,E53	V	V	V	V	V	EN/CH	New	<ul style="list-style-type: none"> <li>● EWS_DME adjustment</li> <li>● Clear mixture Adaptation</li> </ul>
MSS54	E36,E46	V	V	V	V	V	EN/CH		<ul style="list-style-type: none"> <li>● EWS_DME adjustment</li> <li>● Clear mixture Adaptation</li> </ul>
ME 9	E46	V	V	V	V	V	EN/CH	V	<ul style="list-style-type: none"> <li>● EWS_DME adjustment</li> <li>● Clear mixture Adaptation</li> <li>● Learning Valvetronic limit positions</li> </ul>
Digital diesel electronics(DDE)	Old Car,E36,E38,E39,E46,E53	V	V	V	V	V	EN/CH	V	<ul style="list-style-type: none"> <li>● Repair Instruction</li> </ul>

Diesel Electronics3.0(DDE DDE3.0)	E39 ,E46	V	V	V	V	V	EN/CH	V	<ul style="list-style-type: none"> <li>● Idle speed</li> <li>● Exhaust-gas recirculation</li> <li>● Limitation delivery</li> <li>● Starting fuel delivery</li> <li>● Pump program map</li> <li>● MFL and air conditioning</li> <li>● Activation pre-supply pump</li> </ul>	
Diesel Electronics4(DDE DDE 4)	E38,E39,E46,E53	V	V	V	V	V	EN/CH	V	<ul style="list-style-type: none"> <li>● EWS DME adjustment</li> <li>● Idle speed</li> <li>● Exhaust-gas recirculation</li> <li>● Limitation delivery</li> <li>● Starting fuel delivery</li> <li>● Pump program map</li> <li>● MFL and air conditioning</li> </ul>	
Digital Diesel Electronics(DDE EU3)	E83	V	V	V	V	V	V	V	<ul style="list-style-type: none"> <li>● EWS DME adjustment</li> <li>● Idle speed</li> <li>● Exhaust-gas recirculation</li> <li>● Limitation delivery</li> <li>● Starting fuel delivery</li> <li>● Pump program map</li> <li>● MFL and air conditioning</li> </ul>	
Digital Diesel Electronics(DDE EU4)	E83,E46	V				V		V		
Diesel Electronics5(DDE DDE 5)		V	V	V	V	V	EN/CH	V	<ul style="list-style-type: none"> <li>● Idle speed</li> <li>● Exhaust-gas recirculation</li> <li>● Limitation delivery</li> <li>● Starting fuel delivery</li> <li>● Injection rate</li> <li>● Air-mass flow sensor</li> </ul>	
Electronic transmission control(AGS / EGS)	Old Car	V	V	V	V	V	EN/CH	V	<ul style="list-style-type: none"> <li>● ATF Oil Change</li> </ul>	
Transmission control(EGS)	E38,E39,E46,E52,E83,E85	V	V	V	V	V	EN/CH	V	<ul style="list-style-type: none"> <li>● Clear Adaptation</li> <li>● ATF Oil Change</li> </ul>	
Transmission control 8.XX(EGS 8.XX)	E38,E39,E46,E52,E53,E83,E85	V	V	V	V	V	EN/CH	V	<ul style="list-style-type: none"> <li>● Clear Adaptation</li> <li>● ATF Oil Change</li> </ul>	
GS20	E36,E39,E46	V	V	V	V	V	EN/CH	V	<ul style="list-style-type: none"> <li>● Clear Adaptation</li> </ul>	
Electronic transmission control(AGS / EGS/SMG)	E36	V	V	V	V	V	EN/CH		<ul style="list-style-type: none"> <li>● Clear Adaptation</li> <li>● ATF Oil Change</li> </ul>	
Sequential(SMG)	E36,E46,E85	V	V	V	V	V	EN/CH		<ul style="list-style-type: none"> <li>● SMGII Read DTC/LiveData ( E46 )</li> <li>● After replacing clutch , clutch slave cylinder :               <ol style="list-style-type: none"> <li>1. Teach in characteristic clutch-valve values</li> <li>2. Teach in clutch slip point</li> </ol> </li> </ul>	
Electronic drive-away protection(EWS)	Old Car,E36,E38,E39,E46,E52,E53,E83 ,E85	V	V	V	V	V	EN/CH		<ul style="list-style-type: none"> <li>● Read coding data</li> <li>● Key Test</li> <li>● <b>Disable/enable Key</b></li> </ul>	
GR Cruise control(FGR)	E46	V	V	V	V	V	EN/CH	V		
Thermal oil level sensor(TOENS)	E36	V	V	V	V	V	EN/CH	V	X	
Electronic engine -power control (EML)	Old Car,E38	V	V	V	V	V	EN/CH	X		
Electronic battery isolator switch (TRS)	E38	V			V					
EKP Fuel pump(EKP)	E46,E83	V	V	V	V	V	EN/CH	V	X	
Transfer case(VTG)	E53,E83	V	V		V	V	EN/CH	V		
DIFFERENTIAL-LOCK AWD(GSA)	Old Car	V	V	V	V	V	EN/CH	V		
<b>Chassis</b>										
Anti-lock brake system /Automatic stability control(ABS / ASC)	Old Car,E36,E38,E39,E46	V	V	V	V	V	EN/CH	V	<ul style="list-style-type: none"> <li>● ABS Brake Lining Warning Lamp</li> </ul>	
Anti-lock Brake system witch ASCMK20(ASC MK20)	E36	V	V	V	V	V	EN/CH	V	<ul style="list-style-type: none"> <li>● ABS Brake Lining Warning Lamp</li> </ul>	
Anti-lock Brake system witch ASC/Anti-lock Braking System with DSC(ASC/DSC)	E36	V	V	V	V	V	EN/CH	V	<ul style="list-style-type: none"> <li>● ABS Brake Lining Warning Lamp</li> <li>● Adjust steering-angle sensor</li> </ul>	

ABS / /ASC / DSC Anti-lock Brake system/Stability ControlMK20(ABS MK20)	E36	V	V	V	V	V	EN/CH	V	● ABS Brake Lining Warning Lamp
ABS / /ASC / DSC Anti-lock Brake system/Stability Control MK4G(ABS MK4G)	E36	V	V	V	V	V	EN/CH	V	● ABS Brake Lining Warning Lamp
Dynamic Stability Control(DSC)	E38,E39,E46,E52,E83,E85	V	V	V	V	V	EN/CH	V	● ABS Brake Lining Warning Lamp
Dynamic Stability Control 3(DSC 3)	E36,E38,E39	V	V	V	V	V	EN/CH	V	● ABS Brake Lining Warning Lamp
Dynamic Stability Control 5.7(DSC 5.7)	E46 ,E53	V	V	V	V	V	EN/CH	V	● ABS Brake Lining Warning Lamp ● Steering angle sensor ● Lateral acceleration sensor ● Rate of rotation sensor
Dynamic Stability Control 8(DSC 8)	E53	V	V	V	V	V	EN/CH	V	● Adjustment, steering- angle sensor
Dynamic Stability Control MK20(DSC MK20)	E46	V	V	V	V	V	EN/CH	V	● ABS Brake Lining Warning Lamp
Dynamic Stability Control MK60(DSC MK60)	E36,E46	V	V	V	V	V	EN/CH	V	● Steering-angle sensor ● Later acceleration sensor ● Pressure sensors
AUTOMATIC BRAKE/DIFFERENTIAL (ALL-WHEEL	Old Car	V			V				
Steering- angle sensor (LEW)	E38,E39,E53,E52,E83	V	V	V	V	V	EN/CH	X	● Read coding data(E38)
Active Cruise Control (ACC)	E38	V			V				
Electronic Damper control(EDC)	Old Car,E38,E39	V	V	V	V	V	EN/CH	V	
Electronic Height Control(EHC E39)	E39	V	V	V	V	V	EN/CH	X	
Electronic Height Control(EHC E53)	E53	V	V	V	V	V	EN/CH	V	
Electronic Height Control 2(EHC 2)	E53	V	V		V	V	EN/CH	V	○ Control module rest ○ Delete transport and belt mode ○ Set transport mode ○ Set band mode ○ Set zero point, ride level
RPA	E39,E46	V			V				
Tyre blowout warning(RDW)	E38	V			V				
Tire pressure control(RDC)	E38,E39,E46,E53	V	V	V	V				
DDS Deflation Detection System (DDS)	E46,E52	V	V	V	V	V	EN/CH	X	X
Electronic steering-column locking (ELV)	E52	V			V				
Servotronic(SVT)	E83	V			V				
Electronic Power Steering (EPS)	E85	V			V				
ACTIVE REAR-AXLE/KINEMATICS(AHK)	Old Car	V	V	V	V				
THROTTLE-VALVE CONTROL(ADS)	Old Car	V	V	V	V				
<b>Body</b>									
Multi-function steering wheel(MFSW)	E38,E39	V	V	V	V	V	EN/CH	X	● Read coding data
Multi-function steering wheel(MFL)	E46,E83	V	X	X	V	V	EN/CH	X	X
Multi-function steering wheel(MFL2)	E38,E39,E53	V	X	X	V	V	EN/CH	X	● Read coding data
MULTI INFORMATION DISPLAY(MID)	Old Car	V			V				
On-board computer / MID(BCO / MID)	E36	V	V		V				
On-board monitor(BM)	E38,E39,E46,E53	V	V	V	V	V	EN/CH	V	X
On-board monitor ,control panel(BMBT)	E38	V			V				
ON-BOARD COMPUTER(BC)	Old Car	V	V	V	V	V	EN/CH	V	
NAR Navigation radio(NAR)	E46	V	V	V	V	X	X	V	X
MIR Multi-information Radio(MIR)	E46,E52,E83,E85	V	V	V	V	V	EN/CH	X	X
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	EN/CH	X	● Read coding data
Multiple restraint system III/IV(MRSIII/IV)	E36,E38,E46,E39,E52,E53	V	V	V	V	V	EN/CH	X	● Read coding data
Multiple restraint system V(MRS V)	E83	V	V	V	V			X	
HEATER-A/C SYSTEM(IHK)	Old Car	V	V	V	V	V	EN/CH		
Integrated Automatic Heater(IHKA)	E36,E38,E39,E46,E53,E83,E85	V	V	V	V	V	EN/CH	V	● Read coding data
IHKRHeater and A/C control(IHKR)	E38,E39,E46,E53,E83	V	V	V	V	V	EN/CH		● Read coding data
Heater -A/C control(IHKS)	E52,E85	V	V	V	V	V	EN/CH		
Rear -compartment A/C control(FHK)	E38	V			V				
Heating control(IHR)	E39	V	V	V	V	V	EN/CH		
Rear compartment blower(FGB)	E38	V	V	EN/CH	V	V	EN/CH	X	X

Rear-compartment monitor ,control panel(FMBT)	E38	V			V							
Rear-compartment monitor ,graphics section(FMGT)	E38	V			V							
Park Heating (STH)	E38,E39,E53	V			V							
Cruise control(GR)	E36,E39	V	V	V	V							
Cruise control 2(GR2)	E38	V	V	V	V							
Lights Module(LM)	E38,E39,E52,E53	V	V		V	V	EN/CH	V				
Light Check Module(LCM)	E39,E38,E53,E52	V	V	EN/CH	V	V	EN/CH	V				
Light Check Module(LCM IV)		V			V	V	EN/CH	V				
Automatic headlight vertical aim control (LRA)	E39,E38,E52,E53	V	V	V	V	V	EN/CH				X	
Automatic interval Control(AIC)	E39,E46,E53,E83,E85	V	V	V	V	V	EN/CH	X		● Initialize rain sensor		
Rain/Light Sensor(RLS)	E39,E46,E53,E83,E85	V	V	V	V	V	EN/CH	X		● Initialize rain sensor		
Vido module(VID)	E38,E39,E53	V	X	X	V	X	X	V		● Display test code		
Vido module TV(VID)	E46,E83,E85	V	V	V	V	X	X	X			X	
Vido module III (VID III)	E38,E46	V	X	X	V	X	X	X				
Check Control Module(CCM)	E38	V			V							
Boot-lid module(HKM)	E38,E39	V	V	V	V	V	EN/CH	V				
Instrument cluster(KOM)	Old Car, E38, E39, E46, E53, E83, E85	V	V	V	V	V	EN/CH					
Instrument cluster(IKE)	E53	V	V	V	V	V	EN/CH					
Instrument cluster(KOMBI)	E83,E85	V			V							
Instrument clustr(INSTR)	E83	V			V							
Park Distance Control(PDC)	Old Car, E36, E38, E39, E46, E53, E83, E85	V	V	V	V	V	EN/CH	V				
Digital Sound processor(DSP)	E38, E39, E53, E83, E85	V			V							
Radio clock(RCC)	E38	V	X	X	V	V	EN/CH	X			X	
Language-input system (SES)	E38, E39, E46, E53, E83, E85	V			V							
SEAT/MIRROR MEMORY (SPM/SM)	Old Car	V	V	V	V							
Sliding/tilting sunroof module(SHD)	E38,E46,E53,E83	V	V	V	V	V	EN/CH	V			X	
Seat/steering - column memory(SM/LSM)	E39	V	V	V	V	V	EN/CH					
Steering - Column Memory(LSM)	Old Car,E53	V	V	V	V	V	EN/CH	V				
Seat memory , passenger(SMB)	E46, E38	V	V	V	V	V	EN/CH	V			X	
Switching center , center console(SZM)	E38,E39,E46,E53,E83,E85	V	V	V	V	V	EN/CH	V			X	
Seat memory , driver(SMF)	E46,E83,E85	V	V	V	V	V	EN/CH	V				
Telephone interface(TEL)	E38,E39,E46,E52,E53	V			V							
Basis Interface Telephone(BIT)	E38,E39,E46,E52,E53	V			V							
Japan Basis interface Telephone(JBIT)	E38,E39,E46,E53,E83	V			V							
Telematic Control Unit(TCU)	E46,E83,E85	V			V							
Universal charging and hands- free facility(ULF)	E83,E85	V			V							
CVM Convertible-top module(CVM)	Old Car,E36,E46,E52,E85,E92	V	V	V	V	V	EN/CH	V				
Central body electronics(ZKE)	Old Car, E38, E39, E46, E53, E83, E85	V	V	V	V	V	EN/CH	V		● Read coding data		
Adaptive directional headlights(AHL)	E46	V	V	V	V	V	EN/CH	V				
Central information Display(CID)	E83,E85	V			V							
SPMFT Mirror memory , driver(SPMFT)	E46	V	V	V	V	V	EN/CH	V			X	
SPMBT Mirror memory , passenger(SPMBT)	E46	V	V	V	V	V	EN/CH	V			X	
URS Rollover sensor(URS)	Old Car,E36,E46	V	V	V	V	V	EN/CH	V		● ECU Reset		
Xenon lamp , left(XEN left)	Old Car,E47	V	V	V	V	V		V				
ZUH Auxiliary heater (ZUH)	E46	V			V							
Double slid./Tilt. Sunroof(DSHD)	E39	V	V	V	V	V	EN/CH	V			X	
Anti-theft alarm system(DWA)	Old Car,E36	V	V	V	V	V	EN/CH	V				
Multi-Information Display(FID)	E38	V	V	V	V	X						
Xenon lamp , right(XEN right)	Old Car,E48	V	V	V	V	V		V				
Radio - control system(FBZV)	E38,E39	V	X	X	V	X		X		● Read coding data		
IR Radio / infrared locking system(IR)	E36,E38	V	V	V	V							
Navigation computer (NAV)	E38,E39,E46,E52,E53,E83,E85	V			V							
Navigation computer II(NAV MK II)	E46,E52,E53	V			V							
Navigation computer III(NAV MK III)	E38,E39,E46,E52,E53,E83,E85	V			V							
NAJ Navigation computer, Japan(NAJ)	E38,E39,E46,E53,E83,E85	V			V							
Radio(RAD)	E38,E39,E46,E52,E53,E83,E85	V			V							

Satelite, B-pillar, left(SBSL)	E85	V	V	V	V	V	V	X	X
Satellite,B-pillar,right(SBSR)	E85	V	V	V	V	V	V	X	X
Satellite,door,front left(STVL)	E85	V	V		V	V			
Satellite,door,front right(STVR)	E85	V	V		V	V			
General module 3/4(GM"3/4)	E39,E52,E83	V			V				
General module 5(GM5)	E85	V			V				
Universal charging and hands- free facility(ULF)	E39,E46,E53,E83,E85	V			V				
Safety and information Module(SIM)	E85	V	V	V	V	V	V	V	
Instrument Radio - Information System(IRIS)	E39	V			V				
Lamp Check Module(LKM)	E39	V	V	V	V	V	EN/CH		X
Light switching center(LSZ)	E46,E83,E85	V	V	V	V	V	EN/CH	V	X
Light switching center II (LSZ II)	E52,E83,E85	V	V	V	V		EN/CH	V	● Xenon light ● Headlight vertical aim control
Variable Camshaft Control(VNC)	Old Car	V	V	V	V	V	EN/CH		
ELECTRONIC BODY MODULE(EKM)	Old Car	V	V		V				
Top speed regulation(VMX)	Old Car,E46,E85,E52	V	V	V	V	V	EN/CH	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