

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



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.

UPDATE : 2008/07/09

Version : S1
Software version : B0805

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						Actuation	Service function
		ECU model	Read DTC		Erase DTC	Live Data			
			DTC	Language		LV	Language		
Powertrain									
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"> ● Code control unit(Old Car) ● EWS Syn ● Clear adaptations(E38,E39,E46,E52,E53) ● CO Adjustment(Old Car,E36,E38,E39) ● Repair Instruction
BMS 46	E36,E39,E46	V	V	V	V	V	EN/CH	V	<ul style="list-style-type: none"> ● EWS Syn ● Reset_adaptations ● Repair Instruction
Digital Motor Electronics42(DME MS42)	E36,E38,E39,E46	V	V	V	V	V	EN/CH	V	<ul style="list-style-type: none"> ● EWS Syn ● Repair Instruction
Digital Motor Electronics43(DME MS43)	E36,E39,E46,E53,E85	V	V	V	V	V	EN/CH	V	<ul style="list-style-type: none"> ● EWS Syn ● Repair Instruction
Digital Motor Electronics52(DME MSS52)	E39,E52	V	V	V	V	V	EN/CH		<ul style="list-style-type: none"> ● EWS_DME adjustment ● Clear mixture Adaptation
Digital Motor Electronics7.2(DME ME7.2)	E38,E39,E52,E53	V	V	V	V	V	EN/CH	V	<ul style="list-style-type: none"> ● EWS_DME adjustment ● Clear mixture Adaptation
MSS54	E36,E46	V	V	V	V	V	EN/CH		<ul style="list-style-type: none"> ● EWS_DME adjustment ● Clear mixture Adaptation
ME 9	E46	V	V	V	V	V	EN/CH	V	<ul style="list-style-type: none"> ● EWS_DME adjustment ● Clear mixture Adaptation ● Learning Valvetronic limit positions
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"> ● Repair Instruction

Diesel Electronics3.0(DDE DDE3.0)	E39 ,E46	V	V	V	V	V	EN/CH	V	<ul style="list-style-type: none"> ● Idle speed ● Exhaust-gas recirculation ● Limitation delivery ● Starting fuel delivery ● Pump program map ● MFL and air conditioning ● Activation pre-supply pump
Diesel Electronics4(DDE DDE 4)	E38,E39,E46,E53	V	V	V	V	V	EN/CH	V	<ul style="list-style-type: none"> ● EWS DME adjustment ● Idle speed ● Exhaust-gas recirculation ● Limitation delivery ● Starting fuel delivery ● Pump program map ● MFL and air conditioning
Digital Diesel Electronics(DDE EU3)	E83	V	V	V	V	V	V	V	<ul style="list-style-type: none"> ● EWS DME adjustment ● Idle speed ● Exhaust-gas recirculation ● Limitation delivery ● Starting fuel delivery ● Pump program map ● MFL and air conditioning
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"> ● Idle speed ● Exhaust-gas recirculation ● Limitation delivery ● Starting fuel delivery ● Injection rate ● Air-mass flow sensor
Electronic transmission control(AGS / EGS)	Old Car	V	V	V	V	V	EN/CH	V	<ul style="list-style-type: none"> ● ATF Oil Change
Transmission control(EGS)	E38,E39,E46,E52,E83,E85	V	V	V	V	V	EN/CH	V	<ul style="list-style-type: none"> ● Clear Adaptation ● ATF Oil Change
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"> ● Clear Adaptation ● ATF Oil Change
GS20	E36,E39,E46	V	V	V	V	V	EN/CH	V	<ul style="list-style-type: none"> ● Clear Adaptation
Electronic transmission control(AGS / EGS/SMG)	E36	V	V	V	V	V	EN/CH		<ul style="list-style-type: none"> ● Clear Adaptation ● ATF Oil Change
Sequential(SMG)	E36,E46,E85	V	V	V	V	V	EN/CH		<ul style="list-style-type: none"> ● SMGII Read DTC/LiveData (E46) ● After replacing clutch , clutch slave cylinder : 1. Teach in characteristic clutch-valve values
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"> ● Read coding data ● Key Test ● Disable/enable Key
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	
Chassis									
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"> ● ABS Brake Lining Warning Lamp
Anti-lock Brake system witch ASCMK20(ASC MK20)	E36	V	V	V	V	V	EN/CH	V	<ul style="list-style-type: none"> ● ABS Brake Lining Warning Lamp
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"> ● ABS Brake Lining Warning Lamp ● Adjust steering-angle sensor

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	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	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	V			
THROTTLE-VALVE CONTROL(ADS)	Old Car	V	V	V	V	V			
Body									
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	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	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

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



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.

UPDATE : 2008/07/09

Version : S2
Software version : B0805

O: will be upgraded without charge in next version. V: available now. X: BMW system not equipped with function.
V: available now. X: BMW system not equipped with function.

DTC Language: English, Chinese
Live Data Language: English, Chinese
CBS Service : E60/E61, E63/E64, E65/E66, E87, E90/E97
Automatic Model : E60, E63, E65
Applied E87, E90 model

System	Engine type	E60	E63	E65	E87	E90	Function								
							ECU model	Read DTC		Erase DTC	Live data		Actuation	Short Test	Service function
ECU							DTC	Language		LV	Language				
Powertrain															
Digital Motor Electronics(DME)	E60: M54, N62, N52, S85 E63: N62, N52, S85 E65: M54, N62, N73, N52 E87: N45/N46, N52 E90: N45/N46, N52	V		V	V	V	V	V	EN/CH	V	V	EN/CH	V	V	N62, N45/N46: Learning Valvetronic limit positions N73: Clear mixture adaptation Adjustment programs DME-CAS
DDE Diesel Electronics(DDE)	E60: M57, M47 E65: M57, M67 E87: M47 E90: M57	V		V	V	V	V	V	EN/CH	V	V	EN/CH		V	Injector rate adjustment
Car Access System(CAS)		V	V	V	V	V	V	V	EN/CH	V	V	EN/CH	V	V	Delete undervoltage fault
Electronic transmission control(AGS / EGS)		V	V	V	V	V	V	V	EN/CH	V	V	EN/CH	V	V	E60: Read adaptation value E60: Clear adaptation value
Sequential Manual Gearbox(SMG)		V	V	X	X	X	V			V				V	
EKP Fuel Pump(EKP)		V	V	V	V	V	V	V	V	V	V	V	V	V	
Valvetronic(VTC)		V	V	V	X	V	V	X	X	V	X	X	X	V	
Valvetronic2(VTC2)		V	V	V	X	V	V	X	X	V	X	X	X	V	
Chassis															
Active Cruise Control(ACC)		V	V	V	X	V				V				V	
Active Front Steering(AFS)		V	V	X	X	X	V			V	V	V	X	V	
Dynamic Drive(ARS)		X	V	V	X	X	V	V	EN/CH	V	V	EN/CH	V	V	
Dynamic Drive 2(ARS2)		V	V	V	X	X	V	V	EN/CH	V	V	EN/CH	V	V	Control module reset
Dynamic Stability Control(DSC)		V	V	V	V	V	V	V	EN/CH	V	V	EN/CH	V	V	
Tire pressure control(RDC)		V	V	V	X	X				V				V	
Chassis Integration Module(CIM)		X	X	V	X	X	V	V	EN/CH	V	V	EN/CH	V	V	Calibration, steering column
Chassis Integration Module2(CIM2)		X	X	V	X	X	V	V	EN/CH	V	V	EN/CH	V	V	Calibration, steering column
Damper Control(EDC)		V	V	V	X	X	V	V	EN/CH	V	V	EN/CH	V	V	

Ride level (height) control(EHC)		V	X	V	X	X	V	V	EN/CH	V	V	EN/CH	V	V	Control module reset Delete transport and belt mode Set transport mode Set band mode Set zero point,ride level
Parking brake(EMF)		X	X	V	X	X	V	V	EN/CH	V	V	EN/CH	V	V	Control module reset Workshop brake bedding/in Automatic hold function (Only E65)
Body															
Adaptive directional headlights(AHL)		V	V	V	X	V	V	V	EN/CH	V	V	EN/CH	V	V	Control module reset
Trailer module(AHM)		V	X	V	V	V				V				V	
Control center, center console(BZM)		X	X	V	X	X	V	V	EN/CH	V	V	EN/CH	V	V	
Rear compartment,control center ,center console(FBZM)		X	X	V	X	X	V	V	EN/CH	V	V	EN/CH	V	V	
Comfort Access(CA)		V	V	V	V	V				V				V	
CAN/byeflight		V	V	V	X	X				V	X	X	X	V	
Controller(CON)		V	V	V	V	V	V	V	EN/CH	V	V	EN/CH	V	V	
Rear compartment controller(FCON)		X	X	V	X	X				V				V	
Antitheft alarm system(DWA)		V	V	V	V	V	V	V	EN/CH	V	V	EN/CH	V	V	
Rear-lid lift(HKL)		V	X	V	X	X	V	V	EN/CH	V	V	EN/CH	V	V	
Body basic module(KBM)		V	V	X	X	X	V	V	EN/CH	V	V	EN/CH	V	V	
Headset interface(KHI)		V	X	V	X	X				V		EN/CH		V	
Lights Module(LM)		X	X	V	X	X	V	V	EN/CH	V	V	EN/CH	V	V	
Lights Module 2(LM2)		V	V	V	X	X	V	V	EN/CH	V	V	EN/CH	V	V	
Park Distance Control(PDC)		V	V	V	V	V	V	V	EN/CH	V	V	EN/CH	V	V	
Power Module(PM)		V	V	V	X	X	V	V	EN/CH	V	V	EN/CH	V	V	
Mico -power module (MPM)		V	V	X	X	X	V	V	EN/CH	V	V	EN/CH	V	V	
Rain/Light Sensor(RLS)		V	V	V	V	V	V	V	EN/CH	V	V	EN/CH	V	V	
Supplimentary control module(SEC)		X	X	V	X	X				V				V	
Supplimentary control module 2(SEC2)		X	X	V	X	X				V				V	
Control module,rear-compartment display(SG-FD)		X	X	V	X	X	V	V	EN/CH	V	X	X		V	X
Control module,rear-compartment display (Gateway) [SG-FD-GW]		X	X	V	X	X				V				V	
Sliding/tilting sunroof(SHD)		V	X	V	X	X	V	V	EN/CH	V	V	EN/CH	X	V	X
Sliding/tilting sunroof 2(SHD2)		V	V	V	X	X	V	V	EN/CH	V	V	EN/CH		V	
Siren and tilt sensor(SINE)		V	X	V	V	V	V	V	EN/CH	V	V	EN/CH	X	V	
Switch center,steering column(SZL)		V	V	V	X	X	V	V	EN/CH	V	V	EN/CH	V	V	
Switching center,center console(SZM)		V	V	X	X	X	V	V	EN/CH	V	V	EN/CH	V	V	Initialzation,steering colum
Wiper module(WIM)		X	X	V	X	X	V	V	EN/CH	V	V	EN/CH		V	
Information & communication															
Amplifier (AMP)		V	V	V	V	V	V	V	EN/CH	V	V	EN/CH	V	V	Control module:reset
Antenna/antenna tuner (ANT)		X	X	V	X	X	V	V	EN/CH	V	V	EN/CH	V	V	Control module:reset
Audio system controller (ASK)		X	X	V	X	X	V	V	EN/CH	V	V	EN/CH	V	V	Control module:reset
Applications (CCC-A)		V	V	X	V	V				V				V	
Antenna tuner (CCC-ANT)		V	V	X	V	V	V	V	EN/CH	V	V	EN/CH	V	V	Control module reset

Audio system controller (CCC-ASK)		V	V	X	V	V				V				V	
User interface (CCC-BO)		V	V	X	V	V				V				V	
Gateway (CCC-GW)		V	V	X	V	V				V				V	
Control Display (CD)		X	X	V	X	X	V	V	EN/CH	V	X	X	V	V	Control module:reset
CD Changer (CDC)		V	V	V	V	V	V	V	EN/CH	V	X	X	V	V	Control module:reset Delete undervoltage fault
Control Display (Gateway) [CD-GW]		X	X	V	X	X	V	V	EN/CH	V	V	EN/CH	V	V	Control module:reset
Central information Display (CID)		V	V	X	V	V	V	V	EN/CH	V	V	EN/CH	X	V	Control module:reset(E60)
DVD Changer (DVDC)		V	V	V						V				V	
Rear-compartment display(FD)		V	X	V	X	X				V				V	
Head-Up Display (HUD)		V	V	X	X	X				V				V	
Instrument cluster (INSTR)		V	V	V			V	V	EN/CH	V	V	EN/CH	V	V	Control module:reset(E65)
Japan Basis Interface Telephone (JBIT)		X	X	V	X	X				V				V	
Navigation system (NAV)		X	X	V	X	X				V				V	
Navigation system,Japan (JNAV)		V	V	V	V	V				V				V	
Multiple restraint System (MRS)		X	X	X	V	V	V	V	EN/CH	V	V	V	X	V	
User interface (M-ASK-BO)		V	V	X	V	V	V	V	EN/CH	V	V	EN/CH	V	V	Control module reset
Gateway (M-ASK-GW)		V	V	X	V	V	V	V	EN/CH	V	V	EN/CH	V	V	Reset M-ASK-GW control units
Navigation system (M-ASK-NAV)		V	X	X	V	V				V				V	
Satelite vehicle center (SFZ)		V	V	V	X	X	V	V	EN/CH	V	V	EN/CH	X	V	
Satellite,A-pillar,left (SASL)		X	X	V	X	X	V	V	EN/CH	V	V	EN/CH	X	V	
Satellite,A-pillar,right (SASR)		X	X	V	X	X	V	V	EN/CH	V	V	EN/CH	X	V	
Satelite, B-pilar, left (SBSL)		V	V	V	X	X	V	V	EN/CH	V	V	EN/CH	X	V	
Satelite, B-pilar,right (SBSR)		V	V	V	X	X	V	V	EN/CH	V	V	EN/CH	X	V	
Satellite,door,front left (STVL)		X	X	V	X	X	V	V	EN/CH	V	V	EN/CH	X	V	
Satellite,door,front right (STVR)		X	X	V	X	X	V	V	EN/CH	V	V	EN/CH	X	V	
Language processing system (SVS)		V	V	V	X	X				V				V	
Safety and information Module(SIM)		X	X	V	X	X	V	V	EN/CH	V	V	EN/CH	V	V	
Safety and Gateway Module (SI (SGM-SIM)		V	X	V	X	X	V	V	EN/CH	V	V	EN/CH	V	V	
Safety and Gateway Module (Z (SGM-ZGM)		V	V	V	X	X	V	V	EN/CH	V	X	X	X	V	
Satellite,seat,driver (SSFA)		X	X	V	X	X	V	V	EN/CH	V	V	EN/CH	X	V	
Satellite,seat,passenger (SSBF)		X	X	V	X	X	V	V	EN/CH	V	V	EN/CH	X	V	
Satellite,seat,rear (SSH)		X	X	V	X	X	V	V	EN/CH	V	V	EN/CH	V	V	
Telematic Control Unit (TCU)		V	V	V	V	V				V				V	
Telephone (TEL)		X	X	V	X	X				V				V	
Universal charging and hands-free faci (ULF)		V	V	X	V	V	V	V	EN/CH	V	V	EN/CH	V	V	Control module:reset Restadlish standard settings
Video Module (VM)	E60:M54,N62 E65:M54,M57,N62,M67,N73	V	V	V	X	V				V				V	
Central Gateway Module (ZGM)	E65:M54,M57,N62,M67,N73	X	X	V	X	X	V	V	EN/CH	V	X	X	V	V	
Flexible Bus Interface(FBI)	E65:N62,N73	V		V						V				V	
Seats and doors															
Seat module,driver(SMFA)		V	X	X	V	V	V	V	EN/CH	V	V	EN/CH	V	V	
Seat module,passenger(SMBF)		V	V	V	V	V	V	V	EN/CH	V	V	EN/CH	V	V	

Seat module,driver's side rear(SMFAH)		X	X	V	X	X	V	V	EN/CH	V	V	EN/CH	V	V	
Seat module,passenger's side rear(SMBFH)		X	X	V	X	X	V	V	EN/CH	V	V	EN/CH	V	V	
Door module,driver(TMFA)		V	V	X	X	X	V	V	EN/CH	V	V	EN/CH	V	V	
Door module,front passenger(TMBF)		V	V	X	X	X	V	V	EN/CH	V	V	EN/CH	V	V	
Door module,passenger door(TMBFT)		X	X	V	X	X	V	V	EN/CH	V	V	EN/CH	X	V	
Door module,passenger's side rear(TMBFH)		X	X	V	X	X	V	V	EN/CH	V	V	EN/CH	X	V	
Door module,driver's door(TMFA)		X	X	V	X	X	V	V	EN/CH	V	V	EN/CH	X	V	
Door module,driver's side rear(TMFAH)		X	X	V	X	X	V	V	EN/CH	V	V	EN/CH	X	V	

Air condition															
Integrated automatic heating/air conditioning(IHKA)		V	V	V	V	V	V	V	EN/CH	V	V	EN/CH	V	V	
Independent/auxiliary heater(SHZH)		V	X	V	X	X				V				V	
Rear heater/air conditioning(FKA)		X	X	V	X	X	V	V	EN/CH	V	V	EN/CH	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

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

UPDATE : 2008/07/09



WIN-STAR kit, including of :

- | | |
|---|--------------------------|
| 1. Multiplexer box. | Version : S3 |
| 2. Cables, including of : | Software version : B0805 |
| 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. | |

Function	Model					
	E36	E38	E39	E46	E52	E53
Car Memory(Basic)		V	V	V		V
Key Memory(Basic)				V		
ZCS/FA Coding						
Recoding						
ZKE Coding		V	V	V		
AIRBAG Recoding		V		V		
IHKA/IHKR Recoding	V	V	V	V		
DSC Recoding		V	V	V		V
LEW Recoding		V	V			V
Conversion						
Language		V	V			V
Vedio						
TV Coding		V		V		V

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5. Operation System: WINDOW 2000 or WINDOW XP only

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



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.

UPDATE : 2008/07/09

Version : Repair Help(ET-III)
Software version : B0805

Repair Help(E32/E34/E36/E38/E39/E46/E53)	ETM	Function	Component	ECU Position	
Engine Type					
M43		V	V	E46	
M44	V				
M70(DME M1.2)	V				
S38	V				
M20/M30	V				
M50	V				
M52		V	V	E38/E39/E46	
M54		V	V	E39/E46/E53/E60/E65	
M60	V				
M62(ME7.2)		V	V	E38/E39/E53	
N42		V	V	E46	

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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