

## AUTOLOGIC FOR BMW



Autologic® is probably the most comprehensive diagnostic tool to be offered to independent BMW garages. Autologic® for BMW vehicles provides a diagnostic capability so comprehensive that absolute independence is now a reality. All control units can be replaced and most can be trial substituted. Autologic® provides real-time data including graphing, component activation, adaptation clearing, engine adjustment setting - petrol and diesel models, coding of accessories, coding of body modules, programming of engine and transmission modules, cover of all car key memory functions and read and clear fault codes.

The basic system offers total diagnostic coverage on all engine, chassis and body systems on E34, E36, E38, E39, E46, E53, E60, E63, E64, E65, E83, E85, E87, E90 & Mini. Continual development will provide additional model coverage that will become available as upgrade modules. Continual development will provide additional model coverage that will become available as upgrade modules.

### Autologic® for BMW offers:

- Coding of body control modules
- Programming of engine control modules
- Programming of key and car memory
- Clearing and re-setting of adaptation values
- Full component activation
- Real-time reading of all dynamic data
- Procedure for engine and immobiliser alignment
- Procedure for the trial substitution of control units
- Procedure for the fitting of BMW accessories
- Reading and re-setting of fault codes

### Systems covered by Autologic® for BMW:

- All engines
- All transmissions
- ABS/ASC/DSC
- Multiple restraint systems
- Instrument cluster electronics/IKE
- Air conditioning/climate control
- Lamp control module
- Central body electrics
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- Immobiliser
- Cruise control
- On-board computer
- Multi-information display
- Multi-functional steering wheel
- Radio and navigation
- Park distance control
- Roll-over system/convertible hood module

## DIAGNOSTIC CAPABILITIES

<b>Engines</b>	
	Idle speed adjustment, exhaust gas regulation, limitation of fuel delivery, adjusting of start fuel delivery, calibration of injection map, re-align consumption map, program all diesel engines. Adjustments under DDE 4.0 – electronic compression test, smooth running measurement test. Module information – read and clear fault codes, dynamic data, activation of components, clear and re-set adaptation values.
E36	DME 1.7, 1.7.2, 1.7.3, BMS 43, DME 5.2, DME 3.1, DME 3.3.1, MS 40.1, DME 3.3, MS S50, Diesel DDE 2.1
E38	DME 3.3, DME 5.2, MS 41.0, MS 42.0, MS 42.1, MS 43, DME 5.2.1 Diesel DDE 2.2, DDE 3.0, DDE 4.0
E39	MS 41.0, MS 41.1, MS 42.0, MS 43.0, DME 5.2, DME 5.2.1, MS S62 Diesel DDE 2.2, DDE 3.0, DDE 4.0
E46	BMS 46, MS 42.0, MS 54, ME 9 Diesel DDE 3.0, DDE 4.0
E53	MS 43.0, DME 7.2, DDE 4.0
R50/R53	EMS 2 (integrated with transmission control unit)
<b>GEARBOXES</b>	
	Read and clear fault codes, diagnosis request, component information, module information, clear adaptations.
E36 AGS/EGS	EGS 8.32, EGS 8.34, EGS 8.55, EGS 9.22, EGS 8.60.0, EGS 8.60.2, EGS 8.60.4, SMG 2
E38	As above excepting SMG 2
E39	As above excepting SMG 2
E46	As E36
E53	GS.20, EGS 8.60.2
	Read and clear fault codes, diagnosis request, component information, module information, clear adaptations.
<b>AIRBAGS</b>	
	Read and clear fault codes, diagnosis request, module information, ECU coding information
E36, E38, E39, E46, E53, R50/R53	SRS, BAE, ZAE, MRS, MRS 2, MRS 3, MRS 4
<b>EWS</b>	Security
	Read and clear fault codes, diagnosis request, module information, ECU coding information, key status (enable or disable), display keys used in vehicle, align EWS to DME or DDE
E36, E38, E39, E46, E53, R50/R53	EWS 2, EWS 3, EWS 3D
<b>ABS/ASC/DSC/DDS</b>	
	Read and clear fault codes, diagnosis request, component activation, module information, bleeding facility, hydraulic test, adjust steering angle sensor re-set.
E36, E38, E39, E46, E53, R50/R53	ABS/ASC 5, ABS/ASC MK 60, ABS/DSC 3, ABS/ASC 5.7, ABS MK IVG, ABS/ASC MK 4, ABS/ASC MK 20
<b>ZKE/ZVM</b>	Central body electrics
	Read and clear fault codes, diagnosis request, component activation, module information, burglar alarm, burglar alarm reader, central locking, electric windows, interior lights, electric mirrors, Servotronic steering, slide/tilt sun roof, soft close boot lid system, windscreen wash-wipe system, seat and steering column, ECU coding information.
E36	ZVM 2, GM 4
E38	GM 3
E39	GM 3
E46	GM 5
E53	GM 3
R50/R53	BC 1

<b>COM/IKE</b>	Instrument cluster
E36, E38, E39, E46, E53, R50/R53	Read and clear fault codes, diagnosis request, component activation, module information, system test, service interval re-set.
<b>IHR/IHKA/IHKR</b>	Air conditioning/heater control
E36, E38, E39, E46, E53, R50/R53	Read and clear fault codes, diagnosis request, component activation, module information, transportation lock, ECU coding information.
<b>LKM/LSZ/LCM</b>	Lamp control module/light switching centre
E38, E39, E46	Read and clear fault codes, diagnosis request, component activation, module information, ECU coding information. LCM, LCM 2, LCM 3, LS 2, LS 2.2
<b>CVM</b>	Convertible top
E36, E46	Read and clear fault codes, diagnosis request, component activation, module information, ECU coding information, re-set convertible top reading, roof initialization.
<b>ROPS</b>	Roll-over protection system
<b>E36, E46</b>	Read and clear fault codes, diagnosis request, component activation, module information, ECU coding information, read and re-set trigger counter.
<b>PDC</b>	Park distance control
E36, E38, E38, E39, E53, R50/R53	Read and clear fault codes, diagnosis request, component activation, module information.
<b>DSP</b>	Digital sound processor/amplifier/control panel
E38, E39, E46, E53, R50/R53	Diagnosis request, component activation, module information, speaker test.
<b>RADIO</b>	
E38, E39, E46, E53, R50/R53	Read and clear fault codes, diagnosis request, component activation, module information
<b>MID</b>	Multi-information display
E38, E39, E53	Read and clear fault codes, module information
<b>RAIN SENSOR, DRIVING LIGHTS</b>	
E38, E39, E46, E53, R50/R53	Read and clear fault codes, diagnosis request, A/C initialization
<b>MULTI-FUNCTIONAL STEERING WHEEL</b>	
E38, E39, E46, E53, R50/R53	Read and clear fault codes, diagnosis request, module information, ECU coding information
<b>MBMT</b>	On-board monitor control panel
E38, E39, E53, R50/R53	Read and clear fault codes, diagnosis request
<b>EDC</b>	Electronic damping control
E38, E39, E53	Read and clear fault codes, diagnosis request, steering angle offset, component activation, module information
<b>EHC, EHC 2</b>	Electronic height control
E38, E39, E53	Read and clear fault codes, diagnosis request, module information
<b>HDC</b>	Hill descent control
E53	Read and clear fault codes, diagnosis request, module information
<b>CRUISE CONTROL</b>	Cruise control
E38, E39, E46, E53, R50/R53	Read and clear fault codes, diagnosis request, module information
<b>SMF/SMB/SPMFT/SPMBT</b>	Electric seats
E38, E39, E46, E53	Read and clear fault codes, diagnosis request, component activation, module information
<b>LEW</b>	Steering angle sensor
E38, E39, E46, E53, R50/R53	Read and clear fault codes, diagnosis request, module information

<b>EHPS</b>	Electro-hydraulic steering assistance
R50/R53	Read and clear fault codes, diagnosis request, component activation, module information
<b>LRA</b>	Head light vertical aim control
R50/R53	Read and clear fault codes, diagnosis request, component activation, module information
<b>SHD</b>	Sliding - tilt sunroof module
E46, R50/R53	Read and clear fault codes, diagnosis request, component activation, module information
<b>RDC</b>	Tyre pressure check
E38, E39, E46, E53	Read and clear fault codes, diagnosis request, module information