

OB91-1 Memory Cartridge – for BMW 1988–2001

SOFTWARE VERSION: V2.81

Engine control System	Engine Model	Read Code	Clear Code	Data Stream	Data Scan Waveform	Activation	Clear Adaption	EWS Synchronization	Coding / Programming
DME 1.1	M20, M30	✓	✓	✓		☆✓			
DME 1.2	S38, M70	✓	✓	✓		☆✓			
DME 1.3	M20, M30, M40	✓	✓	✓		☆✓			
DME 1.7	M40, M42, M70, S70	✓	✓	✓		☆✓			
DME 1.7.1	M70, S70	✓	✓	✓		☆✓			
DME 1.7.2	M43	✓	✓	✓		☆✓			
DME 3.1	M50	✓	✓	✓		☆✓			
DME 3.3	S38, S50, M60, M60/1	✓	✓	✓		☆✓			
DME 3.3.1	M50(VANOS)	✓	✓	✓		☆✓			
DME 5.2	M44, M62, M73	✓	✓	✓		☆✓			
DME 5.2.1	M73	✓	✓	✓		☆✓			
MS 40.0	M50(VANOS)	✓	✓	✓		☆✓			
MS 40.1	M50(VANOS)	✓	✓	✓		☆✓	☆✓		
MS 41.0	M52	✓	✓	✓		☆✓	☆✓		
MS 41.1	M52	✓	✓	✓		☆✓	☆✓		
MS S50	S50	✓	✓	✓		☆✓			
☆ MS 42	M52TU (L6	✓	✓	✓		☆✓	☆✓	☆✓	
☆ BMS 43	M43	✓	✓	✓		☆✓	☆✓		
☆ BMS 46	M43	✓	✓	✓		☆✓	☆✓	☆✓	
ME 7.2	M62TU (V8 with VANOS)								

Diesel Engine									
DDE 2.1	M41, M51								
DDE 2.2	M51	✓	✓						
DDE 3.0	M47								
DDE 4.0	M57								

EML (Electronic Throttle Control) 1988-2000

Control System	Engine Control System	Engine Model	Body	Data Stream	Read Codes	Clear Codes
EML M70 (12 Cylinders)	M1.2, M1.7	M70B50 Engine	E32	✓	✓	✓
EML S70 (12 Cylinders)	M1.7.1	S70B50 Engine	E31/E32	✓	✓	✓
EML M30 (6 Cylinders)	M1.3	M30B35 Engine	E32	✓	✓	✓
EML IIS M73 (12 Cylinders)	M5.2.1	M73B54 Engine	E31/E38	✓	✓	✓

New Engine control systems M52TU Engine with MS42 and M62TU Engine with ME7.2, which combined with Electronic Throttle Control (EML), no more individual system when testing.

Note:

Symbol ☆ stands for new upgraded systems and functions in Version V2.80

EGS/AGS (Transmission) 1986 - 2000

Control System	Engine Model	Body	Transmission	Read Codes	Clear Codes	Data Stream	Activation	Clear Adaption
EGS 1.2x	M30, M70	E32	4HP-22/24	✓	✓	✓	☆✓	
EGS 2.2x	M70, S70	E31, E32	4HP-24	✓	✓	✓	☆✓	
EGS 4.1x	M42, M43, M44, M50	E34, E36	A4S 270R/310R (THM R1)	✓	✓	✓	☆✓	
EGS 7.1x	M50	E34, E36	A5S 310Z (5HP-18)	✓	✓	✓	☆✓	☆✓
EGS 7.32	M60B30	E32, E34, E38	A5S 310Z (5HP-18)	✓	✓	✓	☆✓	☆✓
AGS 8.32	M51, M52	E36, E38, E39	A5S 310Z (5HP-18)	✓	✓	✓	☆✓	☆✓
EGS 8.34	M43, M44, M52	E36, E38, E39	A4S 270R (GMPT R1)	✓	✓	✓	☆✓	☆✓
EGS 8.36	M52	E36, E38, E39	A5S 310Z (5HP-18)	✓	✓	✓	☆✓	☆✓
AGS 8.51	M62	E38, E39	A5S 440Z (5HP-24)	✓	✓	✓	☆✓	☆✓
AGS 8.55	M62	E38, E39	A5S 440Z (5HP-24)	✓	✓	✓	☆✓	
☆ GS 8.60	M52TU	E38, E39, E46		✓	✓	✓		
EGS 8.70	M52	E36, E38, E39		✓	✓	✓	☆✓	☆✓
EGS 9.xx	M60, M62, M73	E34, E38	A5S 560Z (5HP-30)	✓	✓	✓	☆✓	☆✓
AGS 9.22	M60, M62, M73	E38, E39	A5S 560Z (5HP-30)	✓	✓	✓	☆✓	☆✓
☆ GS 20	M43, M52TU	E39, E46		✓	✓	✓		
Sequential M Gearbox	S38, M52, MSS50	M3, M5		✓	✓	✓		
Jatco	M50	E34, E36		✓	✓	✓		

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Chassis:

1988 - 2001

System Make	Control System	Data Stream	Read Codes	Clear Codes	Activation
Bosch	ABS μ C	✓	✓	✓	
Teves	ABS MK4 3	✓	✓	✓	
Teves	ABS MK4 G	✓	✓	✓	
Teves	ABS MK4 G1	✓	✓	✓	
Bosch	ABS 5	✓	✓	✓	
Bosch	ABS / DSC 2	✓	✓	✓	
Bosch	ABS / DSC 3	✓	✓	✓	
☆ Bosch	ABS / DSC 5.x	✓	✓	✓	
Bosch	ABS / ASC	✓	✓	✓	
☆ Bosch	ABS / ASC 5.x	✓	✓	✓	
Teves	ABS / ASC ITT Auto. ERL	✓	✓	✓	
Teves	ABS MK 20-I/ERL	✓	✓	✓	
☆	ABS/DSC for E46	✓	✓	✓	
☆ Teves	ASC MK20 for E46	✓	✓	✓	
☆ Bosch	ASC 5.7	✓	✓	✓	
☆ Teves	ASC MK20 for M44	✓	✓	✓	

ABS - Anti-lock Brake System

ASC - Acceleration Slip Control / Automatic Stability Control

DSC - Dynamic Stability Control

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Body:**SRS (Air Bag) 1988 - 2000**

Body Type	Air Bags	Control System Type	Model Year	Data Stream	Read Codes	Clear Codes
E30, E31, E32, E34	Driver's Air bag	5WK4 027	1988-1991		✓	✓
E31, E32, E34, E36	Driver's Air bag	5WK4 060	1991-1993		✓	✓
E31, E32, E34, E36	1 or 2 Air bags	ZAE, BAE	1993-1995		✓	✓
E31, E36, E38, E39, Z3	4 or 8 Air bags	ZAE2, MRS, MRS2	1995-1999		✓	✓
☆ E38, E39, E46, Z3, X5	6 or 8 Air bags	MRS3	1999-2000		✓	✓

☆☆ Instrument Cluster 1987 - 2000

Body Type	Model Year	Data Stream	Read Codes	Clear Codes
E36, E38, E39, E46	1988 - 2000		✓	✓

☆☆ IHKA /IHKR (Air Conditioning) 1988 - 2000

Body Type	Model Year	Data Stream	Read Codes	Clear Codes
E31, E32, E34, E36, E38, E39, E46	1987 - 2000	✓	✓	✓

Note:

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Service Reset 1988-2000

Oil reset	3 Series	E30 1988-1990 / E36 1991-1998 / ☆ E46 1999-2000
	5 Series	E34 1988-1995 / ☆ E39 1995-2000
	7 Series	E32 1987-1994 / ☆ E38 1994-2000
	8 Series	E31 1990-1998

Inspection	3 Series	E30 1988-1990 / E36 1991-1998 / ☆ E46 1999-2000
	5 Series	E34 1988-1995 / ☆ E39 1995-2000
	7 Series	E32 1987-1994 / ☆ E38 1994-2000
	8 Series	E31 1990-1998

Note:

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