

BarsIII Professional



Program version: **BMW, BMW_CODING, BMWMINI, BMWSSS**

April 2011

Drive, DME/ DDE (Diesel Engine) with Manual Selection

DIESEL ENGINE	YEAR	READ CODE	CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	SERVICE	EWS SYN.	NOTES
DDE 2.1	1987-2007	+	+	+	+				
DDE 2.2	1987-2007	+	+	+	+				
DDE 3.0	1987-2007	+	+	+			+		
DDE 4.0	1987-2007	+	+	+	+		+		
DDE 5.0	1987-2007	+	+	+			+		
DDE 6.0	1987-2007	+	+	+	+				
DDE 6.2.6	1987-2007	+	+	+	+				
DDE 7.0	1987-2007	+	+	+	+				
DDE 7.1	1987-2007	+	+	+	+				
M51	1987-2007	+	+						

Drive, DME/ DDE (Gasoline Engine) with Manual Selection

GASOLINE ENGINE	YEAR	READ CODE	CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	SERVICE	EWS SYN.	NOTES
DME 1.1	1987-1988	+	+	+	+				
DME 1.2	1988-1993	+	+	+	+				M70 88-99/S38 91-93 M70,1~6 Cyl.
DME 1.2 Right	1991-1993	+	+	+	+				M70,7~12 Cyl.
DME 1.3	1988-1992	+	+	+	+				
DME 1.7	1992-1995	+	+	+	+				
DME 1.7.1	1994-1995	+	+	+	+				
DME 1.7.1 Right	1994-1995	+	+	+	+				
DME 1.7.2	1995	+	+	+	+				
DME 1.7.3	1992-1995	+	+	+	+				
DME 3.1	1991-1992	+	+	+	+				
DME 3.3	1993-1996	+	+	+	+			+	
DME 3.3.1	1993-1995	+	+	+	+			+	
DME 5.2	10/1995-6/1999	+	+	+	+	+(M44/M62)			M73,1~6 Cyl.
DME 5.2 Right	1/1995-8/2001	+	+	+	+	+(M44/M62)			M73,1~12 Cyl.
DME 5.2.1	1998-2000	+	+	+		+			M73,1~6 Cyl.
DME 5.2.1 Right	1998-2000	+	+	+		+			M73,1~6 Cyl.
DME 5.2.1 M62	7/1997-9/1998	+	+	+	+	+			
DME		+	+	+	+				E71 (04/2010) E83/E90 (2010) X1 20d (10/2010)
DME	2010~	+	+	+	+	+			750Li
DMEi N52	2010~	+	+	+	+	+			523i N52
DME N54	2010~	+	+	+	+	+			740Li N54
DME N55	2010~	+	+	+					535i N55

MS 40.0	1991-1995	+	+	+					
MS 40.1	1991-1995	+	+	+					
MS 41.0	1995-1999	+	+	+	+	+		+	
MS 41.1	11/1995- 9/1999	+	+	+	+	+		+	
MS 41.2	4/1996- 8/2000	+	+	+	+	+			
MS 42	6/1998- 10/2000	+	+	+	+	+	+	+	
MS 43	4/2000- 3/2003	+	+	+	+	+	+	+	
MS 45	4/2000- 3/2003	+	+	+	+	+	+	+	
MS S50		+	+	+		+		+	
MS S52	7/1999- 8/2003	+	+	+	+	+			
MS S54	5/2000	+	+	+		+			
MSS 60	9/2004~	+	+	+					M3 coup.
MSS 65	9/2007~	+	+	+	+				M5, M6
MSS 65 S85		+	+	+	+				
MSS 70	2006	+	+	+	+				Z4 E85
NSV 70 M52		+	+	+	+				
MSV70 N52		+	+	+	+		+		
							+		
MSV80 N52		+	+	+	+		+		
							+		
MSD80	3/2007-	+	+	+	+	+		+	
MSD85		+	+	+	+				
BMS 43		+	+	+	+	+		+	

BMS 46	1998-2000	+	+	+	+	+	+ Idle speed control	+	
DDE	2010~	+	+	+	+				
DDE50 M57	4/2004- 9/2006	+	+	+	+				
DDE D60PSA		+	+	+	+				E60 (2007)
ME 7.2	9/1998- 10/2002	+	+	+	+	+	+ Idle speed control	+	
ME 9 N42	04/11/2001	+	+	+	+	+	+ Idle speed control, Learning valvetronic limit positions		
ME 9 N52K for E60/61		+	+	+	+	+			
ME 9 N52K for E70		+	+	+	+	+			
ME 9 N62		+	+	+	+	+	+ Idle speed control	+	
ME 9 N62TU		+	+	+	+	+	+ Idle speed control CO adjustment Consumption indicator	+	
ME 9 M54		+	+	+	+	+		+	
ME 9.2 N46		+	+	+	+	+	+ Idle speed control, Learning valvetronic limit positions		
ME 9.2.1 N62	9/2003- 9/2005	+	+	+	+	+	+ Idle speed control Consumption Indicator Learning valvetronic limit	+	

							positions		
MED 9.2.2 N73TU	9/2006~	+	+	+	+	+			E65 (2008)
ME 9.2.3 N62TU2	9/2007~	+	+	+	+	+	+ Learning valvetronic limit positions		E65 (2008)
ME 17.2.1 N46	3/2007~	+	+	+	+	+	+ Learning valvetronic limit positions		

Drive, EGS/AGS (Transmission) 1987-2007 with Manual Selection

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 7.10	M50	E34, E36	A5S 310Z (5HP-18)	+	+	+	+	+
EGS 7.11	S50 US	M3	A5S 310Z (5HP-18)	+	+	+	+	+
EGS 7.3	M60B30	E32, E34, E38	A5S 310Z (5HP-18)	+	+	+	+	+
AGS 7.32	M60B30	E32, E34, E38	A5S 310Z (5HP-18)	+	+	+	+	+
AGS 8.32	M51, M52, S52	E36, E38, E39, M3	A5S 310Z (5HP-18)	+	+	+	+	+
EGS 8.34	M43, M44, M52	E36, E38, E39, Z3	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	E31, E38, E39	A5S 440Z (5HP-24)	+	+	+	+	+
GS 8.60	M52TU	E39, E46		+	+	+	+	+
AGS 8.60.2	M62	E38, E39	A5S 440Z (5HP-24)	+	+	+	+	+
EGS 8.60.4		E36, E38, E39,		+	+	+		+

		E46						
EGS 8.70	M52	E36, E38, E39		+	+	+	+	+
EGS9	M60	E32, E34	A5S 560Z (5HP-30)	+	+	+	+	+
AGS 9.22	M60	E31, E38, E39	A5S 560Z (5HP-30)	+	+	+	+	+
AGS 9.22.1	M62, M73	E31, E38, E39	A5S 560Z (5HP-30)	+	+	+	+	+
GS 20	M43, M52TU	E39, E46	A5S 360R (GM 5)	+	+	+	+	+
SMG	S38, M52, MSS50	M3, M5		+	+	+		
SMG II		M3		+	+	+		+
EGS JECS (Jatco)	M50	E34, E36		+	+	+		
EGS from F02		F series		+	+	+		+
EGS from F10		F series		+	+	+	+	+
GS1911	N46	E90 /E91		+	+		+	+
GS1911.3	N46	E90		+	+	+	+	+
GS1911.3	N54	E71		+	+	+	+	+
GS19	M54	E60 /E61		+	+	+	+	+
GS19	N62	E63		+	+	+	+	+
GS19	N62	E65/E66		+	+	+		+
GS1904	N62	E53		+	+	+	+	+
GM6	N46	E90		+	+	+	+	
6HP19TU	N52K	E60/61		+	+			
6HP19TU	N52K	E70		+	+	+		

Drive, EML (Engine Power Control/Electronic Throttle System) 1988-2000

CONTROL SYSTEM	ENGINE SYSTEM	ENGINE MODEL	BODY	DATA STREAM	READ CODES	CLEAR CODES
EML M70 (12 Cylinders)	M1.2, M1.7	M70B50	E32	+	+	+

EML S70 (12 Cylinders)	M1.7.1	S70B50	E31, E32	+	+	+
EML M30 (6 Cylinders)	M1.3	M30B35	E32	+	+	+
EML IIS M73 (12 Cylinders)	M5.2.1	M73B54	E31, E38	+	+	+

Note: EML systems ECU independent up to M73 Engine. Newer EML systems combined in new model Engine control systems (DME/DDE)

Drive Related 1995-2007

SYSTEM	BODY TYPE	MODEL YEAR	DATA STREAM	READ CODES	CLEAR CODES	ACTIVATION
EWS (Electronic Drive-Away Protection)	EWS II – E31, E34, E36, E38, E39 EWS III – E36, E38, E39, E53 EWS III D – Z3	1995-2003 1997-2003 1999-2002	+	+	+	
GR (Cruise Control)	E38, E39, E46, E53			+	+	
GWS (Gear Selection Switch)	E70, E71 F01/F02/F03/F04, F07, F10/F11, F18		+	+	+	+
	E60/E61/E90	2007~	+	+	+	+
EKPS (Electric Fuel Pump)	E70, E71 F01/F02/F03/F04, F07, F10/F11, F18		+	+	+	+
	E60/E61	2007~	+	+	+	+
TOENS (Thermal Oil Level Sensor)	Z3	1996-2002		+	+	
EWA (Anti-theft alarm)	E65/E66		+	+	+	+
VTC 1 (Valvetronic 1)	E65/E66, E63			+	+	
VTC 2 (Valvetronic 2)	E65/E66, E63			+	+	
QMVH (Lateral-moment Distribution, Rear)	E71		+	+	+	+

Axle)						
CAS (Car Access System)	E 87, E90/E91, E60/E61, E63, E65/E66, E70, E71, F01/F02/F03/F04, F07, F10/F11, F18		+	+	+	+

CHASSIS, ABS/ASC/DSC 1988-2007 with Manual Selection

SYSTEM MAKE	CONTROL SYSTEM	DATA STREAM	READ CODES	CLEAR CODES	ACTIVATION
BOSCH	ABS MK	+	+	+	
TEVES	ABS MK IV/3	+	+	+	+
TEVES	ABS MK IV/G	+	+	+	+
TEVES	ABS MK IV/G1	+	+	+	+
TEVES	ABS MK 20-I/ERL	+	+	+	+
BOSCH	ABS 5	+	+	+	+
TEVES	ABS/ASC	+	+	+	+
BOSCH	ABS/ASC	+	+	+	+
TEVES	ABS/ASC for 4 Cylinders	+	+	+	+
TEVES	ABS/ASC MK IV/3	+	+	+	+
TEVES	ABS/ASC 20-I/ERL	+	+	+	
BOSCH	ABS/ASC 5 M51/M60/M62	+	+	+	+
TEVES	ABS/ASC ITT Auto ERL	+	+	+	
BOSCH	ABS/ASC 5.7	+	+	+	+
BOSCH	ABS/DSC 2	+	+	+	+
BOSCH	ABS/DSC 3 M62/M73	+	+	+	+
BOSCH	ABS/DSC 5.0	+	+	+	
BOSCH	ABS/DSC 5.7	+	+	+	+
BOSCH	ABS/DSC E46	+	+	+	
BOSCH	ABS/DSC E65/E66	+	+	+	
BOSCH	ABS/DSC E60/E61 (~2007)	+	+	+	+
BOSCH	DSC E90/E91	+	+	+	+
TEVES	ABS/ASC M44	+	+	+	+

TEVES	DSC MK60	+	+	+	+
BOSCH	DSC 8	+	+	+	+
BOSCH	DSC 8PLUS	+	+	+	+
BOSCH	DSC 7.0 E70/E71	+	+	+	+
BOSCH	DSC EHB3-E60	+	+	+	+
BOSCH	DSC F01/F02/F03/F04, F07, F10/F11, F18	+	+	+	+

CHASSIS RELATED 1988-2007

SYSTEM	BODY TYPE	MODEL YEAR	DATA STREAM	READ CODES	CLEAR CODES	ACTIVATION
EDC (Electronic Damper Control)	E31,E32,E38	1988-2001		+	+	
EDC (Electronic Damper Control)	E60/E61 (~2007)		+	+	+	+
EDCSHL (Damper Satellite, Rear Left)	E70, E71, F01/F02/F03/F04, F07, F10/F11, F18		+	+	+	+
EDCSHR (Damper Satellite, Rear Right)	E70, E71, F01/F02/F03/F04, F07, F10/F11, F18		+	+	+	+
EDCSVL (Damper Satellite, Front Left)	E70, E71, F01/F02/F03/F04, F07, F10/F11, F18		+	+	+	+
EDCSVR (Damper Satellite, Front Right)	E70, E71, F01/F02/F03/F04, F07, F10/F11, F18		+	+	+	+
EHC (Electronic Height Control)	E39 (Wagon 99~), E53, E65/E66, E71, F01/F02/F03/F04, F07, F10/F11, F18	1999-2010	+	+	+	+
LWS/LEW (Steering Angle Sensor)	Z3, E38, E39, E46, E52, E53	1996-2004		+	+	
RDC/RDW (Tire Pressure Control)	E38, E39, E46, E52, E53, E71, F01/F02/F03/F04, F07, F10/F11, F18	1996-2010	+	+	+	+

VTG (Transfer case)	E53, E71, F01/F02/F03/F04, F07, F10/F11, F18		+	+	+	+
			(but F series)			(but F series)
VDM (Vertical Dynamics Management)	E71, F01/F02/F03/F04, F07, F10/F11, F18		+	+	+	+
ICM (Integrated Chassis Management)	E71, F01/F02/F03/F04, F07, F10/F11, F18		+	+	+	+
EPS (Electronic Power Steering)	F01/F02/F03/F04, F07, F10/F11, F18	2010~	+	+	+	+
ELV (Electrical Steering Column Lock)	Z3, E38, E39, E46, E52, E53	1996-2004		+	+	
AHK (Active Real Axle Kinematics)	E32, E34	1988-1994		+	+	
CIM (Chassis integration module)	E65/E66		+	+	+	+
AFS (Active Front Steering)	E60/E61 (~2007), F01/F02/F03/F04, F07, F10/F11, F18		+	+	+	+
EMF (Electro-Mechanical parking brake)	E65/E66, E71, F01/F02/F03/F04, F07, F10/F11, F18		+	+	+	+
AL (Active Steering)	E63, E71		+	+	+	
ARS (Dynamic Drive 2)	E63, E71		+	+	+	+

BODY, SRS (AIR BAG) 1988-2007

BODY TYPE	AIR BAGS	CONTROL SYSTEM TYPE	MODEL YEAR	DATA STREAM	READ CODES	CLEAR CODES
E30,E31,E32, E34	Drivers Air bag	5WK4 027	1988-1991		+	+
E31,E32, E34, E36	Drivers Air bag	5WK4 060	1991-1993		+	+
E31,E32, E34, E36, E38	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	6 or 10 Air bags	MRS3	1999-2001		+	+
E38,E39,E46,E53	6 or 10 Air bags	MRS4	2001-2003		+	+
E87,E90/E91	1 or 2 Air bags	MRS5	2004-2006	+	+	+
E60/E61(~2007),E85	6 or 10 Air bags	SFZ, SBSL, SBSR	2002-2004	+	+	+

E65/E66,E85	8 or 10 Air bags	SASL, SASR, SBSL, SBSR, SSFA, SSBF, SSH, SFZ, STVL, STVR	2002-2004	+	+	+
E63, E60/E61(2007~), E70, E71, E85/E86 (09/2005~), F01/F02/F03/F04, F07, F10/F11, F18	6 or 10 Air bags	ACSM		+(but F series)	+	+

BODY, INSTRUMENT CLUSTER 1987-2007

BODY TYPE	MODEL YEAR	DATA STREAM	READ CODES	CLEAR CODES	ACTIVATION	OTHERS
E31, E32, E34, E36, E38, E39, E46, E52, E53, E60/E61, E63, E65/E66, E70, E71, E85, E87, E90/E91, Z3, F01/F02/F03/F04, F07, F10/F11, F18	1987-2010	+	+	+	+(but F series)	Service Rest/CBS (but F series)

SERVICE INTERVAL RESET (ANALOG)

BODY TYPE	MODEL YEAR	OIL MILEAGE	INSPECTION		
E30 (3 series)	1988-1990	+	+		
E36 (3 series)	1991-1998	+	+		
E34 (5 series)	1988-1995	+	+		
E32 (7 series)	1987-1994	+	+		
E31 (8 series)	1990-1998	+	+		

SERVICE INTERVAL RESET (DIGITAL)

BODY	MODEL YEAR	OIL MILEAGE	SERVICE TIME	SERVICE DISTANCE	ATF OIL
E36 (3 series)	1995-1998	+	+	+	+(up to 1995)*
E36/7 (Z3)	1996-2002	+	+	+	
E46 (3series)	1999-2004	+	+	+	

E34 (5 series)	1988-1995	+	+	+	+
E39 (5 series)	1995-2003	+	+	+	
E38 (7 series)	1994-2002	+	+	+	
E52 (Z8)	2001-2003	+	+	+	
E53 (X5)	2000-2004	+	+	+	

*There is no ATF oil Reset function from Kombi E36

CONTROL SYSTEM	BODY TYPE	CONTROL FUNCTION
CBS RESET 1	E60/E61, E63, E65/E66 (~03/2007), E87, E90/E91 (~09/2007)	Time Reset Service
	E60/E61, E63, E65/E66, E70/E71, E87, E89, E90/E91, F01/F02/F03/F04, F07, F10/F11, F18	Engine Oil
	E60/E61, E63, E65/E66, E70/E71, E87, E89, E90/E91	Spark Plugs
	E60/E61, E63, E65/E66, E70/E71, E87, E89, E90/E91, F01/F02/F03/F04, F07, F10/F11, F18	Front brakes
	E60/E61, E63, E65/E66, E70/E71, E87, E89, E90/E91, F01/F02/F03/F04, F07, F10/F11, F18	Rear Brakes
	E60/E61, E63, E65/E66, E70/E71, E87, E89, E90/E91, F01/F02/F03/F04	Coolant
	E60/E61, E63, E65/E66, E70/E71, E87, E89, E90/E91	Diesel Particle Filter
CBS RESET 2	E60/E61, E63, E65/E66, E70/E71, E87, E89, E90/E91, F01/F02/F03/F04, F07, F10/F11, F18	Brake Fluid
	E60/E61, E63, E65/E66, E70/E71, E87, E89, E90/E91, F01/F02/F03/F04	Microfilter
	E60/E61, E63, E65/E66, E70/E71, E87, E89, E90/E91, F01/F02/F03/F04	Vehicle Check
	E60/E61, E63, E65/E66, E70/E71, E87, E89, E90/E91, F01/F02/F03/F04	Vehicle Inspection
	E60/E61, E63, E65/E66, E70/E71, E87, E89, E90/E91, F01/F02/F03/F04	Exhaust Emission Inspection
	E60/E61, E63, E65/E66, E70/E71, E87, E89, E90/E91	Check Vehicle Service Item

BODY, ZKE (Central Body Electronics) 1988-2007

CONTROL SYSTEM	BODY TYPE	MODEL YEAR	CONTROL FUNCTION ECUs	DATA STREAM	READ CODES	CLEAR CODES	ACTIVATION
ZKE 1	E32	1987-1994	Wiper and washer control	+	+	+	+

	E34	1988-1995	Contact pressure control		+	+	+	+
			Head-light cleaning system		+	+	+	+
			Central locking(ZV)		+	+	+	+
			Door heating		+	+	+	+
			Power windows (FH)		+	+	+	+
			Sliding/tilting sunroof (SHD)		+	+	+	+
			Electronic fuse		+	+	+	+
ZKE 2	E31	1990-1998	Interior lights			+	+	
			Wiper and washer control			+	+	
			ADV			+	+	
			SRA			+	+	
			Head-light cleaning system			+	+	
			Central locking(ZV)			+	+	
			Power windows (FH)			+	+	
			Sliding/tilting sunroof (SHD)			+	+	
Door lock heating (TSH)			+	+				
ZKE 3	E38 E39 E53	1994-2002 1995-2003 2000-2006	Base module (GM)	Door contact	+	+	+	+
				Central locking	+	+	+	+
				Power windows	+	+	+	+
				Wiper	+	+	+	+
				Anti-theft	+	+	+	+
				Interior lights	+	+	+	+
	Driver door (FT)			+	+	+	+	
	Driver memory (SM/LSM)			+	+	+	+	
	Passenger memory (SM BF)			+	+	+	+	
	Passenger memory rear (SM SFB)			+	+	+	+	
ZKE 4	E36 Z3	5/1994-1999	Central locking		+	+	+	+
			Power windows		+	+	+	+
		5/1997-2002	Interior lights		+	+	+	+
ZKE 5	E46 E52	1999-2004 2000-2003	PM	Sunroof	+	+	+	+
				Driver seat memory	+	+	+	+

				Passenger seat memory	+	+	+	+
				Switch block	+	+	+	+
			SA	Wiper	+	+	+	+
				Headlight cleaning	+	+	+	+
				Door locking	+	+	+	+
				Rear view mirror	+	+	+	+
				SCA truck lid	+	+	+	+
				Central Locking	+	+	+	+
				Power window	+	+	+	+
				Anti-theft system (DWA)			+	+

BODY RELATED 1995-2010

SYSTEM	BODY TYPE	MODEL YEAR	DATA STREAM	READ CODES	CLEAR CODES	ACTIVATION
LM/LCM/LSZ (Light check module)	LM/LCM – E38, E39, E52, E53, E65,E66, E60/E61 LSZ – E46 LM2 – E63	9/1995-2007	+	+	+	+
FLA (High Beam Assist)	E63, E71, F01/F02/F03/F04, F07, F10/F11, F18		+	+	+	+
SZM/SZL (Center Console switch Center)	E38, E39, E46, E60/E61, E63 SZL: E65/E66, E63, F01/F02/F03/F04, F07, F10/F11, F18	1995-2010	+	+	+	+

XENON_L (Xenon head light, Left)	E38, E39, E46, E53	1999-2006	+	+	+	
XENON_R (Xenon head light, Right)	E38, E39, E46, E53	1999-2006	+	+	+	
PDC (Park Distance Control)	E36, Z3, E38, E39, E46, E65/E66, E60/E61, E70, E71, E90/E91, E63, F01/F02/F03/F04, F07, F10/F11, F18		+	+	+	+
CVM (Convertible Top)	E36, Z3, E46, E85		+	+	+	
AIC/RLS (Rain Sensor/Rain and Light Sensor)	E38, E39, E46, E52, E53, E65/E66, E60/E61, E87, E90/E91, E63, E71		+	+	+	
MFL (Multi-functional Steering Wheel)	E38, E39, E46, E53			+	+	
SHD (Sunroof)	E38, E39, E46, E53, E60/E61, E70, E63		+	+	+	+
SM (Seat Memory)	E38, E39, E46, E53		+	+	+	+
CCM (Check Control Module)	E38, E39, E46			+	+	
BSM/SMB (Seat Memory, Passenger Side)	E38, E39, E46, E53			+	+	
FBZV (Remote Control for Central Lock)	E38, E39, E46, E53			+	+	
HKM (Trunk Lid Module)	E38, E39, E46, E53			+	+	
SBE2 (Seat Occupation Detection)	E38, E39, E46, E53			+	+	
SPMBT (Mirror Memory, Passenger Side)	E38, E39, E46, E53			+	+	
SPMFT (Mirror Memory, Driver Side)	E38, E39, E46, E53			+	+	
ZUHEIZ/STH (Additional Heater, Park Heating)				+	+	

TMFAT (Driver door)	E65/E66, E60/E61(~2007)		+	+	+	+
TMBFT (Driver side rear door)	E65/E66, E60/E61(~2007)		+	+	+	+
TMFAH (Driver side rear door)	E65/E66		+	+	+	
TMBFH (Passenger side rear door)	E65/E66		+	+	+	
MPM (Micro Power Control)	E60/E61(~2007)		+	+	+	+
KBM (Body Basic Module)	E60/E61,E70, E63		+	+	+	+
FRM (Foot Well Module)	E87, E90/E91, F01/F02/F03/F04, F07, F10/F11, F18		+	+	+	+
FZD Function Centre Roof)	E71, E87, E90/E91, F01/F02/F03/F04, F07, F10/F11, F18		+	+	+	+
SMFA Seat Module, Driver)	E60/E61, E70, E71, E87, E90/E91, F01/F02/F03/F04, F07, F10/F11, F18		+	+	+	+
SMBF (Seat Module, Passenger)	E60/E61 (~2007), E71, F01/F02/F03/F04, F07, F10/F11, F18		+	+	+	+
PM (Power Module)	E65/E66		+	+	+	+
HKL (Rear-lid lift)	E65/E66, E71, F01/F02/F03/F04, F07, F10/F11, F18		+	+	+	+
AHL (Active Head Light)	E60/E61 (~2007)		+	+	+	+
KGM (Body Gateway Module)	E63, E70, E60/E61 (2007~)		+	+	+	+
SINE (Siren and tilt Sensor)	E60/E61 (~2007), E71		+	+	+	
ALBFA (Active Backrest Width, Driver)	E60/E61 (~2007)		+	+	+	
ALBBF (Active Backrest	E60/E61 (~2007)		+	+	+	

Width, front passenger)						
WIM (Wiper Module)	E65		+	+	+	+
LRA (Headlight Vertical Aim Control)	E38, E39, E53		+	+	+	+
EMALI (Left Electronic Motor Reel)	F01/F02/F03/F04, F07, F10/F11, F18	2010~	+	+	+	
EMARE (Right Electronic Motor Reel)	F01/F02/F03/F04, F07, F10/F11, F18	2010~	+	+	+	+
TR SVC (All Round View Camera)	E70, E71, F01/F02/F03/F04, F07, F10/F11, F18			+	+	
AHM (Trailer Module)	F01/F02/F03/F04, F07, F10/F11, F18	2010~		+	+	
EME (Electrical Machine Electronics)	F01/F02/F03/F04, F07, F10/F11, F18	2010~		+	+	
FCON (Rear Compartment Controller)	F01/F02/F03/F04, F07, F10/F11, F18	2010~	+	+	+	+
FD (Rear Compartment Display)	F01/F02/F03/F04, F07, F10/F11, F18	2010~		+	+	
FD2 (Rear Compartment Display 2)	F01/F02/F03/F04, F07, F10/F11, F18	2010~		+	+	
HSR (Rear-Axle Slip Angle Control)	F01/F02/F03/F04, F07, F10/F11, F18	2010~	+	+	+	
ISPB (Voice Recognition System)	F01/F02/F03/F04, F07, F10/F11, F18	2010~		+	+	
KAFAS (Camera Based Driver Assist Systems)	F01/F02/F03/F04, F07, F10/F11, F18	2010~	+	+	+	
NVE (Night Vision Electronics)	F01/F02/F03/F04, F07, F10/F11, F18	2010~	+	+	+	+
RSE (Rear Seat Entertainment)	F01/F02/F03/F04, F07, F10/F11, F18	2010~	+	+	+	+
SEC (Supplementary Control Unit)	F01/F02/F03/F04, F07, F10/F11, F18	2010~		+	+	
SMFAH (Seat Module,	F01/F02/F03/F04, F07, F10/F11,	2010~	+	+	+	+

Drivers Side Rear)	F18					
SMBFH (Seat Module, Passengers Side Rear)	F01/F02/F03/F04, F07, F10/F11, F18	2010~	+	+	+	+
SME (Accumulator Management Electronics)	F01/F02/F03/F04, F07, F10/F11, F18	2010~		+	+	
SWW (Lane Change Warning)	F01/F02/F03/F04, F07, F10/F11, F18	2010~	+	+	+	

INFORMATION AND COMMUNICATION

SYSTEM	BODY TYPE	MODEL YEAR	DATA STREAM	READ CODES	CLEAR CODES	ACTIVATION
BIT (Basis Interface telephone)	E38, E39, E46, E52, E53	1997-2004	+	+	+	+
BMBT (On-board Monitor)	E38,E39, E46, E53	1997-2004		+	+	
DSP (DSP Booster Module)	E38,E39, E46, E53	1995-2004		+	+	
FOND_ZIS/FID (Rear Multi-information Display)	E38	1998-2001		+	+	
ZIS/MID (Multi-information Display)	E38,E39, E46, E53	1995-2004		+	+	
IRIS (Integrated Radio Information System)	E38,E39, E46, E53	1998-2004		+	+	
NAV (Navigation System)	E38,E39, E46, E52, E53, E60/E61(~2007)	1997-2004		+	+	
NAV JAP (Japanese Version Navigation System)	E38,E39, E46, E53, E60/E61(~2007)	1998-2004		+	+	+
NAV Korea (Korea Version Navigation System)	E60/E61		+	+	+	+
RAD (Radio)	E38,E39, E46, E52, E53	1995-2004	+	+	+	+
RAD2 (Radio)	E87, E90/E91	2004-2006	+	+	+	+
VIDEO_GT (Video Module Graphics Part)	E38,E39, E46, E53	1998-2004		+	+	
VIDEO_TV/VID (Video Module	E38,E39, E46, E53	1998-2004		+	+	

TV part)						
SIM (Safety and Information module)	E60/E61(~2007), E65/E66	2002-2004	+	+	+	+
ASK (Audio System)	E65/E66	2002-2004	+	+	+	+
CD (Control Display)	E65/E66	2002-2004		+	+	+
CDGW (Control display GW)	E65/E66	2002-2004	+	+	+	+
CDC (CD changer)	E65/E66, E63, E60/E61,E70	2002-2004		+	+	+
DVDC (DVD changer)	E65/E66, F01/F02/F03/F04, F07, F10/F11, F18	2002-2010	+	+	+	+
			(but F series)			
CA (Comfort Access)	E63, E71	2002-2004	+	+	+	
CCCA (CCC-A Applications)	E60/E61(~2007)		+	+	+	+
CCCANT (CCC-ANT Antenna tunner)	E60/E61, E70, E71		+	+	+	+
CCCASK (CCC-ASK Audio system controller)	E60/E61, E70, E71		+	+	+	+
CCCBO (CCC-BO User Interface)	E60/E61, E70, E71		+	+	+	+
CCCBW (CCC-GW Gateway)	E60/E61, E70, E71		+	+	+	+
CID (Central Information)	E60/E61, E63, E70, E71, F01/F02/F03/F04, F07, F10/F11, F18		+	+	+	+
SGMSIM (Safety and Gateway Module (SIM))	E60/E61(~2007)		+	+	+	+
SGMZGM (Safety and Gateway Module (ZGM))	E60/E61(~2007), F01/F02/F03/F04, F07, F10/F11, F18			+	+	
TCU (Telematic Control)	E60/E61, E70, E71, F01/F02/F03/F04, F07, F10/F11, F18		+	+	+	+
			(but F series)	(but F series)		(but F series)
CON (CON control)	E60/E61, E63, E70, E71, F01/F02/F03/F04, F07, F10/F11, F18		+	+	+	+
VM (Video Module)	E60/E61, F01/F02/F03/F04,		+	+	+	+

	F07, F10/F11, F18					
MASKNAV (Navigation System)	E60/E61		+	+	+	
MASKBO (Navigation System User Interface)	E60/E61, E63, E70, E71		+	+	+	+
MASKGW (Navigation System Gateway)	E60/E61, E63, E70, E71		+	+	+	+
ULF (Hands Free Utility)	E60/E61, E63, E70, E90		+	+	+	+
JBE (Junction Box Electronics)	E71, E87, E90/E91, F01/F02/F03/F04, F07, F10/F11, F18		+	+	+	+(but F series)
BYTEF (Byte Flight)	E60/E61			+	+	
HUD (Head-Up Display)	E60/E61, E63, E71, F01/F02/F03/F04, F07, F10/F11, F18		+	+	+	+
AMP (Amplifier)	E60/E61, E63, F01/F02/F03/F04, F07, F10/F11, F18		+	+	+	+
AMPH (Hi-Fi Amplifier)	E71, F01/F02/F03/F04, F07, F10/F11, F18		+	+	+	+
AMPT (Top Hi-Fi Amplifier)	E71, F01/F02/F03/F04, F07, F10/F11, F18		+	+	+	+
SDARS (Satellite Tuner)	E71		+	+	+	+
FRM 2 (Foot Well Module 2)	E71		+	+	+	+
RFK (Reversing Camera)	E71, F01/F02/F03/F04, F07, F10/F11, F18		+(but F series)	+(but F series)	+	+(but F series)
ULF SBOX (Interface Box)	E71		+	+	+	+
ULF SBOH (Interface Box High Version)	E60		+	+	+	+
VSW (Video Switch)	E71, F01/F02/F03/F04, F07, F10/F11, F18		+	+	+	+
CIC/CHAMP (Car Information / Headunit and Multimedia)	F01/F02/F03/F04, F07, F10/F11, F18		+	+	+	+
ZGM (Central Gateway Module)	F01/F02/F03/F04, F07,		+	+	+	+

	F10/F11, F18					
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AIR CONDITIONING

SYSTEM	BODY TYPE	MODEL YEAR	DATA STREAM	READ CODES	CLEAR CODES	ACTIVATION
IHKR (Automatic Heating and A/C)	3 Series – E36, Z3, E46, E90/E91 5 Series – E34, E39, E60/E61 8 Series – E31 X5 -E53	1987-2006	+	+	+	+
IHKA (Regulated Heating and A/C)	1 Series – E87 3 Series – E36, E46 5 Series – E34, E39, E60/E61 6 Series – E63 7 Series – E32, E38, E65/E66 8 Series – E31 X5 -E53, E70, E71 F01/F02/F03/F04, F07, F10/F11, F18	1987-2010	+	+	+	+
	X3 -E83 Z4 -E85	2003-2004		+	+	
IHKS (Standard Heating and A/C)	E36/5 (ti), Z3, Z8	1991-2003	+	+	+	
FKA (Rear heater/air conditioning)	E65/E66, E71, F01/F02/F03/F04, F07, F10/F11, F18		+	+	+	+
FGB (Rear Compartment Blower)	E38	1995-2001		+	+	

EQUIPMENT FUNCTION SETUP

FUNCTION	BODY TYPE	ADAPTATION
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Car Window Initialize	E60/E61, E63, E65/E66, E70, E71, E87, E90/E91, F01/F02/F03/F04, F07, F10/F11, F18	+
Sliding/Tilting Sunroof initialize	E60/E61, E63, E65/E66, E70, E71, E87, E90/E91, F01/F02/F03/F04, F07, F10/F11, F18	+
Register Battery Change	E60/E61, E63, E65/E66, E70, E71, E87, E90/E91, F01/F02/F03/F04, F07, F10/F11, F18	+
Steering Angle	E60/E61, E63, E65/E66, E70, E71, E87, E90/E91	+
AFS Initialization/Adjustment	E60/E61, E63, E70, E71, E87, E90/E91	+
Boot Lid Initialization	F01/F02/F04, F07	+
Normalization, Longitudinal Seat Adjustment	F01/F02/F04, F07	+
Delete Transport Mode	E60/E61, E63, E65/E66, E70, E71, E87, E90/E91	+

BMW CODING



Coding and Programming

SYSTEM	BODY TYPE	FUNCTIONS DESCRIPTION
KOMBI	3 series – E46 5 series – E39 7 series – E38 X series – E53	Recoding, Emergency Recovery

LEW	3 series – E46 5 series – E39 7 series – E38 X series – E53	Recoding
AIRBAG	3 series – E46 5 series – E39 7 series – E38 X series – E53	Recoding
IHKA/IHKR	3 series – E46 5 series – E39 7 series – E38 X series – E53	Recoding
LSZ	3 series – E46	Recoding
LCM	5 series – E39 7 series – E38 X series – E53	Recoding
Retrofit Xenon Light	3 series – E46 5 series – E39 7 series – E38 X series – E53	Retrofit
ASC	5 series – E39	Recoding
DSC	3 series – E46 7 series – E38 X series – E53	Recoding
ZKE	3 series – E46 5 series – E39 7 series – E38 X series – E53	Recoding

CAR/KEY MEMORY

PROGRAMMING	BODY TYPE	FUNCTIONS	DESCRIPTION
KEY INFORMATION	E38 / E39 / E46 / E53	Last-used key	Show the last-used key with remote control.
LIGHTING	E38 / E39 / E46 / E53 / E83 / E85	Day Time Running Lights (ECE)	Switch on/off the day time running lights.
		Day Time Running Lights (US)	Switch on/off the day time running lights.
		Home Lights	If terminal R is "off", the driving lights are switched on for the period of time selected when the headlight flasher is pulled. The following settings are possible: not active, 40s, 90s, 150s and 240s.
		Home Lights with Dipped Beam	Active/ Not active
		Home Lights with Rear Sidelights	Active/ Not active
		Home Lights with Front Sidelights	Active/ Not active
		Home Lights with Instrument Lights	Active/ Not active
		Home Lights with License Plate	Active/ Not active
		Home Lights with Front Fog Lights	Active/ Not active
		Home Lights with Main Beam	Active/ Not active
		Home Lights with Brake Beam	Active/ Not active
		Key in Ignition Warning (if doors is opened)	Active/ Not active
One Touch Turn Signal Flashes	1/3 times		
CENTRAL BODY ELECTRICS	E38 / E39 / E46 / E53/	BURGLAR ALARM SYSTEM	
		Compartment Sensor, Front Passenger	Active/ Not active
		Passenger Compartment Sensor Back (Touring)	Active/ Not active

E83/ E85/ R50/ R52/ R53	Tilt Sensor	Active/ Not active	
	Activating and Deactivating DWA	Active/ Deactive DWA by only RC or KEY and RC	
	Acknowledgement without DWA	If "active" is selected, locking/unlocking of a vehicle is confirmed by a brief blinking of turn signals.	
	Arm Visually	Arming of the DWA system is confirmed by a brief blinking of turn signals when active.	
	Arm Acoustically	Arming of the DWA system is confirmed by a brief siren signals when active.	
	Arm Acknowledgement when all Doors/Lids Closed	Active/ Not active	
	Arm Visually Doors/Lids Closed	Arming of the DWA system is confirmed by a brief blinking of turn signals as soon as hood/trunk are closed, when active.	
	Arm Acoustically Doors/Lids Closed	Arming of the DWA system is confirmed by a brief siren signals as soon as hood/trunk are closed, when active.	
	Disarm Visually	Disarming of the DWA system is confirmed by a brief blinking of turn signals when active.	
	Disarm Acoustically	Disarming of the DWA system is confirmed by a brief siren signals when active.	
	CENTRAL LOCKING		
	RC Interior Light	The interior lighting is switched on if the car is locked and the lock button on the key is pressed.	
	RC Panic Mode	Active/ Not active	
	Open Luggage Compartment Via Remote Control	Active/ Not active	
	Open Using Remote Control	No function / Comfort opening / luggage comp opening	
	Relock 2 minutes after Unlocking	The vehicle will automatically lock again approx. 2 minutes after a single inadvertent unlocking (when no door or hatch was opened afterwards).	
	Automatic Locking	The vehicle is automatically locked after pulling away. Doors can be unlocked at any time from the inside.	
	Automatic Locking (KEY 1- KEY 4)	Doors are automatically locked when speed exceeds 5.0 mph	
	Automatic Locking Speed	0, 4, 8, 12, 16, 20, 24, 28 KM/H	
	Automatic Relocking	Active/ Not active	
	Automatic Locking after 2 minutes if not opened	Active/ Not active	
Automatic Locking after starting off	Active/ Not active		

	Automatic Unlocking after engine off	Active/ Not active
	Automatic Unlocking after engine off (US)	Active/ Not active
	Selective Central Locking	The first time the button on the key is pressed, only the driver's door is unlocked. If it is pressed a second time, the whole car is opened. This function is only effective when the remote control is used.
	Selective Central Locking RC	Active/ Not active
	Selective Central Locking (KEY 1- KEY 4)	First press of the "unlock" button opens driver door only, second press opens remaining doors (if active). When feature not active, first press opens all doors.
	Release Rear Window From Inside	When "active" rear tailgate window is operated by the "trunk" release switch in the driver's footwell. If "inactive", the switch operated rear hatch lock.
	Centre Lock Button when Locked	Active/ Not active
	Selective Central Locking / Convenient Access (Car)	Not active / Selective / Convenient
	Selective Central Locking / Convenient Access (KEY 1- KEY 4)	Not active / Selective / Convenient
	Unlock Remote (KEY 1- KEY 4)	Active/ Not active
	Entrance Aid / Selective Central Locking	When active, the first time vehicle is unlocked only the driver's door is unlocked.
	Convenient Open by Center-Lock Button	Active/ Not active
	WINDOW REGULATORS / SLIDE / TILT SUNROOF	
	Switch off at open/close door	When "Open door" is selected, the power windows are deactivated if terminal R is "off" and the front door is open.
	One-touch open driver's window	Open driver's window in one-touch.
	One-touch close driver's window	Close driver's window in one-touch.
	One-touch open passenger's window	Open passenger's window in one-touch.
	One-touch close passenger's window	Close passenger's window in one-touch.
	One-touch open rear's window	Open rear's window in one-touch.
	One-touch close rear's window	Close rear's window in one-touch.
	One-touch open sunroof	Open sunroof in one-touch.
	One-touch close sunroof	Close sunroof in one-touch.
	Convenient Locking RC	Windows and sliding/tilt sunroof can be closed by pressing the lock button on the key with remote control apply constant pressure to the "Lock" button.

		Convenient Opening RC	Windows and sliding/tilt sunroof can be opened by pressing the unlock button on the key with remote control apply constant pressure to the "Unlock" button.	
		Lower Power Window after Trapping	Short / Long	
		Comfort Opening Remote Control Without Hinged Window	Active/ Not active	
		Open Power Window after Door Open	Active/ Not active	
		INTERIOR LIGHTING		
		Soft on/off	Dimmed interior lighting is switched on and off.	
		On during unlock	Active/ Not active	
		On at terminal R off light on beforehand	Active/ Not active	
		WINDSCREEN WIPERS		
		Switch Down when Stationary	The system switches from speed 1 to intermittent operation or from speed 2 to speed 1 when the vehicle is stationary.	
		Wipe Interval when Stationary	3 seconds / 5 seconds	
		Rain Sensor	The rain sensor can be deactivated on E46 vehicles only	
		Switch Back when Stationary	Active/ Not active	
		EXTERIOR LIGHTS		
		Home Lights	If terminal R is "off", the driving lights are switched on for the period of time selected when the headlight flasher is pulled. The following settings are possible: not active, 40s, 90s, 150s and 240s.	
		Day Time Running Lights (ECE)	Switch on/off the day time running lights.	
		Day Time Running Lights (US)	Switch on/off the day time running lights.	
INSTRUMENT CLUSTER	E38 / E39 / E46 / E53/ E83/ E85/ R50/ R52/ R53	Language	The display texts can be displayed in the given languages. English, French, Italian, Spanish, German	
		Distance	Km/miles	
		Time	12h/24h	
		Fuel Consumption	Fuel Consumption : litres/100 km, mpg (UK), mpg (US), km/litre	
		Temperature	Degrees C / Degrees F	
		Outside Temperature Warning	Active/ Not active	
		Ignition Key	Active/ Not active	
		Washer Fluid Warning	Active/ Not active	
		Rear Lid Warning	Active/ Not active	
		Doors Warning	Active/ Not active	

		Brake Light Warning	Active/ Not active
		Rear Sidelights Warning	Active/ Not active
		Dipped Beam Warning	Active/ Not active
		Temporary Ice Warning	When function is “active”, and if ambient temperature drops below 370F, the acoustic ice warning sounds and the ambient temperature display flashes for a few seconds. Then the display returns to the previous status. When function is “not active”, and if ambient temperature drops below 370F, the acoustic ice warning sounds and the ambient temperature is permanently
		Fuel Acoustic Warning	Active/ Not active
		Outside Temperature (Ice Warning)	Active/ Not active
		Seat Belt Warning	Active/ Not active
SEAT/MIRROR	E38 /	Seat / Mirror Position	Not active / When car is unlocked / when door is opened
	E39 /	Seat Position	Not active / When car is unlocked / when door is opened
	E46 /	Mirror Memory: Automatic Parking Function	Active/ Not active
	E53/ E83/ E85	Convenient Folding Mirrors	Active/ Not active
HEATER AND AIR CONDITIONING CONTROL	E38 /	Recirculated Air Memory	Air recirculation is retained after restarting.
	E39 /	Key Selective	The IHKA temperature and air distribution key-specific settings will be recalled when set to “active”.
	E46 /	Temperature	C/F
	E53/ E83/ E85	Automatic Rear Window Heating	Active/ Not active
		Set Fan Power, Key 1~4	The normal setting provides a direct correlation between blower speed and displayed blower speed wedge in the IHKA control panel.
		Display Blower Bar in Automatic Mode, Key 1~4	Active/ Not active
		Open Ventilation in Warm up Phase, Key 1~4	Vents open during engine warm-up
		Flaps after Terminal 15, Key 1~4	Default “manual” control of the vents will be activated by switching the ignition on
		Correction Set Temperature, Key 1~4	The temperature setting in the display can be corrected by the said amount. When positive correction is selected, actual temperature in the vehicle is higher than the IHKA display indicates. The opposite is true for the “-“ ranges.
		Air Conditioning on AT, Key 1~4	The A/C compressor is switched on with the ignition ON, or only when the

			"snow flake" button is pressed.
		Automatic Blower Function, Key 1~4	The fan blower speed is initially operated in the AUTO mode when the ignition is switched on (if active).
		Key Memory of Heat/AC/Ventillation	Active/ Not active
PARK DISTANCE CONTROL	E38 / E39 / E46 / E53/ E83/ E85/ R50/ R52/ R53	Switch on Message	Active/ Not active
		Rear Volume	1/2/3/4/5/6
RADIO	E39 / E46 / E53/ E83/ E85	New Generation Radio Key Selective	The Key Memory can be activated/deactivated for the radio settings in Car Memory.
TELEMATIC CONTROL UNIT	E46 / E83/ E85	Speed Raising Volume Stage (GAL)	1/30/40/48/56/63 km/h
		Wake up by E-Call	Active/ Not active
UNIVERSAL CHARGING AND HANDSFREE UTILITY	E46 / E83/ E85	Mobile Phone Model	NOKIA 3110 / SIEMENS S10 / IDENTIFYING MODEL
		Voice Recognition	GERMAN / ENGLISH(US) / ENGLISH(UK) / FRENCH / ITALIAN / SPANISH / NOT ACTIVE
		Speed Raising Volume Stage	1/30/40/48/56/63 km/h
SLIDING / TILTING SUNROOF	R50/ R52/ R53	Open Sunroof One Touch Function	Open sunroof in one-touch.
		Close Sunroof One Touch Function	Close sunroof in one-touch.
		Raise Sunroof One Touch Function	Raise sunroof in one-touch.

ADAPTATION

SYSTEM	BODY TYPE	FUNCTIONS DESCRIPTION
EHC	E53/E65/E66	EHC Height Adjustment
LEW	E38/E39/E46/E53	LEW Synchronization

BMW SSS



Coding and Programming New Models

NEW CKM

BODY TYPE	FUNCTIONS	DESCRIPTION
7 series – E65/E66	BURGLAR ALARM SYSTEM	
	Interior Sensor	Active/ Not active
	Tilt Sensor	Active/ Not active

Arm Visually	Arming of the DWA system is confirmed by a brief blinking of turn signals when active.
Arm Visually Doors/Lids Closed	Arming of the DWA system is confirmed by a brief blinking of turn signals as soon as hood/trunk are closed, when active.
Arm Acoustically Doors/Lids Closed	Arming of the DWA system is confirmed by a brief siren signals as soon as hood/trunk are closed, when active.
Disarm Visually	Disarming of the DWA system is confirmed by a brief blinking of turn signals when active.
Disarm Acoustically	Disarming of the DWA system is confirmed by a brief siren signals when active.
CENTRAL LOCKING	
Unlock On Removal of RC	Active/ Not active
Entrance Aid Tilt Direction	Active/ Not active
Automatic Locking, Car	The vehicle is automatically locked after pulling away. Doors can be unlocked at any time from the inside.
Automatic Locking (KEY 1- KEY 4)	Doors are automatically locked when speed exceeds 5.0 mph
Relock 2 minutes after Unlocking	The vehicle will automatically lock again approx. 2 minutes after a single inadvertent unlocking (when no door or hatch was opened afterwards).
Selective Central Locking / Convenient Access, Car	The first time the button on the key is pressed, only the driver's door is unlocked. If it is pressed a second time, the whole car is opened. This function is only effective when the remote control is used.
Selective Central Locking (KEY 1- KEY 4)	First press of the "unlock" button opens driver door only, second press opens remaining doors (if active). When feature not active, first press opens all doors.
Disarming	RC only / KEY and RC
EXTERIOR LIGHTING	
Automatic Driving Lights Control	Normal/ Sensitive/ Very Sensitive
Day Time Driving Lights (ECE)	Switch on/off the day time running lights
Day Time Driving Lights (US)	Switch on/off the day time running lights
Home Lights	If terminal R is "off", the driving lights are switched on for the period of time selected when the headlight flasher is pulled. The following settings are possible: not active, 40s, 90s, 150s and 240s.
One Touch Turn Signal Flashers	1/3 times
INTERIOR LIGHTING	
Soft on/off	Dimmed interior lighting is switched on and off.
WINDOWS AND SUNROOF	
One-touch open driver's window	Open driver's window in one-touch.
One-touch close driver's window	Close driver's window in one-touch.

	One-touch open passenger's window	Open passenger's window in one-touch.
	One-touch close passenger's window	Close passenger's window in one-touch.
	One-touch open rear's window driver's side	Open rear's window of driver's side in one-touch.
	One-touch close rear's window driver's side	Close rear's window of driver's side in one-touch.
	One-touch open rear's window passenger's side	Open rear's window of passenger's side in one-touch.
	One-touch close rear's window passenger's side	Close rear's window of passenger's side in one-touch.
	Mirror folding driver's side	Active/ Not active
	Mirror folding passenger's side	Active/ Not active
	Convenient Locking RC	Windows and can be closed by pressing the lock button on the key with remote control apply constant pressure to the "Lock" button.
	Convenient Opening RC	Windows and can be opened by pressing the unlock button on the key with remote control apply constant pressure to the "Unlock" button.
	Convenient Open/Close Sunroof	Sunroof can be opened/closed by pressing the unlock button on the key with remote control apply constant pressure to the "Unlock" button.
	HEATING / AIR CONDITIONING / VENTILATION	
	Key Memory OF	Active/ Not active
	Recirculated Air Memory	Air recirculation is retained after restarting.
	Set Fan Power	The normal setting provides a direct correlation between blower speed and displayed blower speed wedge in the IHKA control panel.
	Correction Set Temperature	The temperature setting in the display can be corrected by the said amount. When positive correction is selected, actual temperature in the vehicle is higher than the IHKA display indicates. The opposite is true for the "-" ranges.
	Air Conditioning on with Ignition, Key 1~4	The A/C compressor is switched on with the ignition ON, or only when the "snow flake" button is pressed.
	Auto Fan Control on with Ignition On, Key 1~4	Active/ Not active
	PARK DISTANCE CONTROL	
	Volume Level	Not active / 1/2/3/4/5/6/7/8
	SEAT / MIRROR	
	Seat / Mirror Position	Not active / When car is unlocked / when door is opened
5 series –	BURGLAR ALARM SYSTEM	

E60/E61	Interior Sensor	Active/ Not active
	Tilt Sensor	Active/ Not active
	Arm Visually	Arming of the DWA system is confirmed by a brief blinking of turn signals when active.
	Arm Acoustically	Arming of the DWA system is confirmed by a brief siren signals when active.
	Arm Visually Doors/Lids Closed	Arming of the DWA system is confirmed by a brief blinking of turn signals as soon as hood/trunk are closed, when active.
	Arm Acoustically Doors/Lids Closed	Arming of the DWA system is confirmed by a brief siren signals as soon as hood/trunk are closed, when active.
	Disarm Visually	Disarming of the DWA system is confirmed by a brief blinking of turn signals when active.
	Disarm Acoustically	Disarming of the DWA system is confirmed by a brief siren signals when active.
	CENTRAL LOCKING	
	Open Tailgate	Always/ If double-unlocked
	Automatic Locking, Car	The vehicle is automatically locked after pulling away. Doors can be unlocked at any time from the inside.
	Automatic Locking (KEY 1- KEY 4)	Doors are automatically locked when speed exceeds 5.0 mph
	Selective Central Locking / Convenient Access, Car	The first time the button on the key is pressed, only the driver's door is unlocked. If it is pressed a second time, the whole car is opened. This function is only effective when the remote control is used.
	Selective Central Locking / Convenient Access (KEY 1- KEY 4)	First press of the "unlock" button opens driver door only, second press opens remaining doors (if active). When feature not active, first press opens all doors.
	Disarming	RC only / KEY and RC
	EXTERIOR LIGHTING	
	Automatic Driving Lights Control	Normal/ Sensitive/ Very Sensitive
	Day Time Driving Lights (ECE)	Switch on/off the day time running lights
	Day Time Driving Lights (US)	Switch on/off the day time running lights
	Home Lights	If terminal R is "off", the driving lights are switched on for the period of time selected when the headlight flasher is pulled. The following settings are possible: not active, 40s, 90s, 150s and 240s.
	One Touch Turn Signal Flashers	1/3 times
INTERIOR LIGHTING		
Soft on/off	Dimmed interior lighting is switched on and off.	
WINDOWS AND SUNROOF		
One-touch open driver's window	Open driver's window in one-touch.	
One-touch close driver's window	Close driver's window in one-touch.	

	One-touch open passenger's window	Open passenger's window in one-touch.
	One-touch close passenger's window	Close passenger's window in one-touch.
	One-touch open rear's window	Open rear's window in one-touch.
	One-touch close rear's window	Close rear's window in one-touch.
	Mirror folding driver's side	Active/ Not active
	Mirror folding passenger's side	Active/ Not active
	Convenient Locking RC	Windows and can be closed by pressing the lock button on the key with remote control apply constant pressure to the "Lock" button.
	Convenient Opening RC	Windows and can be opened by pressing the unlock button on the key with remote control apply constant pressure to the "Unlock" button.
	Convenient Open/Close Sunroof	Sunroof can be opened/closed by pressing the unlock button on the key with remote control apply constant pressure to the "Unlock" button.
	HEATING / AIR CONDITIONING / VENTILATION	
	Recirculated Air Memory	Air recirculation is retained after restarting.
	Set Fan Power, Key 1~4	The normal setting provides a direct correlation between blower speed and displayed blower speed wedge in the IHKA control panel.
	Correction Set Temperature, Key 1~4	The temperature setting in the display can be corrected by the said amount. When positive correction is selected, actual temperature in the vehicle is higher than the IHKA display indicates. The opposite is true for the "-" ranges.
	Air Conditioning OFF with Auto, Key 1~4	Active/ Not active
	Air Conditioning OFF Memory, Key 1~4	Active/ Not active
E63/E64	BURGLAR ALARM SYSTEM	
	Interior Sensor	Active/ Not active
	Tilt Sensor	Active/ Not active
	Arm Visually	Arming of the DWA system is confirmed by a brief blinking of turn signals when active.
	Arm Acoustically	Arming of the DWA system is confirmed by a brief siren signals when active.
	Arm Visually Doors/Lids Closed	Arming of the DWA system is confirmed by a brief blinking of turn signals as soon as hood/trunk are closed, when active.
	Arm Acoustically Doors/Lids Closed	Arming of the DWA system is confirmed by a brief siren signals as soon as hood/trunk are closed, when active.
	Disarm Visually	Disarming of the DWA system is confirmed by a brief blinking of turn signals when active.
	Disarm Acoustically	Disarming of the DWA system is confirmed by a brief siren signals when active.
	CENTRAL LOCKING	
	Open Tailgame	Always/ If double-unlocked
	Automatic Locking, Car	The vehicle is automatically locked after pulling away. Doors can be unlocked at any time from

	the inside.
Automatic Locking (KEY 1- KEY 4)	Doors are automatically locked when speed exceeds 5.0 mph
Selective Central Locking / Convenient Access, Car	The first time the button on the key is pressed, only the driver's door is unlocked. If it is pressed a second time, the whole car is opened. This function is only effective when the remote control is used.
Selective Central Locking / Convenient Access (KEY 1- KEY 4)	First press of the "unlock" button opens driver door only, second press opens remaining doors (if active). When feature not active, first press opens all doors.
Disarming	RC only / KEY and RC
EXTERIOR LIGHTING	
Automatic Driving Lights Control	Normal/ Sensitive/ Very Sensitive
Day Time Driving Lights (ECE)	Switch on/off the day time running lights
Day Time Driving Lights (US)	Switch on/off the day time running lights
Home Lights	If terminal R is "off", the driving lights are switched on for the period of time selected when the headlight flasher is pulled. The following settings are possible: not active, 40s, 90s, 150s and 240s.
One Touch Turn Signal Flashers	1/3 times
INTERIOR LIGHTING	
Soft on/off	Dimmed interior lighting is switched on and off.
WINDOWS AND SUNROOF	
One-touch open driver's window	Open driver's window in one-touch.
One-touch close driver's window	Close driver's window in one-touch.
One-touch open passenger's window	Open passenger's window in one-touch.
One-touch close passenger's window	Close passenger's window in one-touch.
One-touch open rear's window	Open rear's window in one-touch.
One-touch close rear's window	Close rear's window in one-touch.
Mirror folding driver's side	Active/ Not active
Mirror folding passenger's side	Active/ Not active
Convenient Locking RC	Windows and can be closed by pressing the lock button on the key with remote control apply constant pressure to the "Lock" button.
Convenient Opening RC	Windows and can be opened by pressing the unlock button on the key with remote control apply constant pressure to the "Unlock" button.
Convenient Open/Close Sunroof	Sunroof can be opened/closed by pressing the unlock button on the key with remote control apply constant pressure to the "Unlock" button.
HEATING / AIR CONDITIONING / VENTILATION	

	Recirculated Air Memory	Air recirculation is retained after restarting.
	Set Fan Power, Key 1~4	The normal setting provides a direct correlation between blower speed and displayed blower speed wedge in the IHKA control panel.
	Correction Set Temperature, Key 1~4	The temperature setting in the display can be corrected by the said amount. When positive correction is selected, actual temperature in the vehicle is higher than the IHKA display indicates. The opposite is true for the “-“ ranges.
	Air Conditioning OFF with Auto, Key 1~4	Active/ Not active
	Air Conditioning OFF Memory, Key 1~4	Active/ Not active
E81/E82 E90/E91	BURGLAR ALARM SYSTEM	
	Arm Visually	Arming of the DWA system is confirmed by a brief blinking of turn signals when active.
	Arm Acoustically	Arming of the DWA system is confirmed by a brief siren signals when active.
	Disarm Visually	Disarming of the DWA system is confirmed by a brief blinking of turn signals when active.
	Disarm Acoustically	Disarming of the DWA system is confirmed by a brief siren signals when active.
	EXTERIOR LIGHTING	
	Day Time Driving Lights (ECE), Key 1~3	Switch on/off the day time running lights

FOR MINI



R50, R52, R53

SYSTEM		READ CODE	CLEAR CODE	DATA STREAM	ACTIVATION	ADAPTATION
POWER TRAIN	EMS2	+	+	+	+	+
	EWS3	+	+	+		

CHASSIS	DSC MK60	+	+	+	+	
BODY	KOMBI KR50	+	+	+	+	Service Reset: 1.Oil Service 2.Time Inspection 3.Distance Inspection
	KOM2	+ ID only				
	EHPS(Electro-hydraulic Steering Assist)	+	+			
	Steering-angle sensor	+	+	+		
	PDC	+	+	+	+	
	SHD	+	+	+	+	
	RLS	+	+	+		
	ZKE	+	+	+	+	
	MFL	+	+	+		
MRS4	+	+				
COMMUNICATION INFORMATION	DSP-booster	+ ID only				
	Radio	+	+	+	+	
AIR CONDITION	IHKA/IHKR (AC/heater)	+	+	+	+	

R55/R56

SYSTEM		READ CODE	CLEAR CODE	DATA STREAM	ACTIVATION	ADAPTATION
POWER TRAIN	DME MED 17.2	+	+	+	+	+
	DME MEV 17.2	+	+	+	+	
	EGS F622	+	+	+	+	
	EPS	+	+	+	+	
	CAS	+	+	+	+	
CHASSIS	DSC	+	+	+	+	
BODY	KOM	+	+	+	+	
	ACSM	+	+	+		
	PDC	+	+	+	+	

	SHD	+	+	+	+	
	RLS	+	+			
	FRM/KBM	+	+	+	+	
	MFL	+	+	+		
	SZL	+	+	+		
COMMUNICATION INFORMATION	RAD	+	+	+	+	
	RAD2-GW	+	+	+	+	
	AMP	+	+		+	
	SZGM/JBE/KGM	+	+	+	+	
AIR CONDITION	IHKA/IHKR (AC/heater)	+	+	+	+	

CBS Service Reset for R55/R56

CBS RESET 1: Engine Oil, Front Brakes, Rear Brakes.

CBS RESET 2: Brake Fluid, Exhaust Emission Inspection, Vehicle Inspection, Vehicle Check.