



BMW® DIAGNOSIS 1987–2012

Version: 2012.06 Date: Aug., 2012

AVAILABLE MODELS LIST

MODELS	CHASSIS TYPE
1-series	E87/E88/E81/E82, F20
3-series	E30, E36, E46, Z3, E90/E91(Touring)/E92(Coupé)/E93(Convertible)
5-series	E28, E34, E39, E60/E61(Touring), F07(Gran Turismo), F10/F11, F18
6-series	E63(Coupé)/E64(Convertible), F12/F13
7-series	E32, E38, E65/E66/E67/E68, F01/F02/F03/F04
8-series	E31
X-series	E84 (X1), E83 (X3), E53(X5), E70(X5), E71/E72(X6), F25 (X3)
Z-series	E85/E86 (Z4), E52(Z8), E89 (Z4)

* If the models are not listed here, users could select the related models.

* Coding functions are available in iSCAN-II BMW® CODING and iSCAN-II BMW® SSS cartridge.

* Programming / Retrofit of the ECUs are available in iSCAN-II BMW® PROGRAMMING, only for iSCAN-II wt.

* Chassis type E-Series, please select BMW E-Series software. F-Series, please select BMW F-Series software.

7-SERIES, F01 / F02 (Long Wheel Base) / F03 (Protection) / F04 (ActiveHybrid) 2009 - 2012

DRIVE SYSTEMS

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
DME for N54 / N61 / N63/ N74 Petrol Engine	✓	✓	✓	✓	✓	
DDE for N57 DieselEngine	✓	✓	✓			
EGS Auto Transmission	✓	✓	✓	✓		
VTG Transfer Case	✓	✓	✓			
CAS Car Access	✓	✓	✓			
EKPS Fuel-pump	✓	✓	✓			
GWS Gear Selector Switch	✓	✓	✓			

DME adaptation, functions list: (Some functions are optional because of the default factory setting)

1: Idle speed control

2: Learning Valvetronic limit positions

CHASSIS

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
DSC Dynamic Stability Control	✓	✓	✓			
EHC Electronic Ride-Height Control	✓	✓	✓			
EMF Parking Brake	✓	✓	✓		Initialization	
AL/AFS Active Steering	✓	✓				
EDCSHL Damper Satellite, Rear Left	✓	✓	✓			
EDCSHR Damper Satellite, Rear Reft	✓	✓	✓			

EDCSVL Damper Satellite, Front Left	✓	✓	✓			
EDCSVR Damper Satellite, Front Right	✓	✓	✓			
ICM Integrated Chassis Control	✓	✓	✓			
RDC Tire Pressure Control	✓	✓	✓			
VDM Vertical Dynamics Management	✓	✓	✓			
EPS Electronic Power Steering	✓	✓	✓			
VDM Vehicle Dynamics Management	✓	✓	✓			

BODY

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
ACSM / MRS / SIM Crash Safety Module Multiple Restraint System Safety Information	✓	✓	✓			
KOMBI Instrument cluster	✓	✓	✓			
PDC Park Distance Control	✓	✓	✓			
SZL Switch Center	✓	✓				
HKL Rear-lid Lift	✓	✓			Initialization	
CID Central Information Display	✓	✓	✓			
CON Controller	✓	✓	✓			
FLA High Beam Assist	✓	✓	✓			
FRM Footwell Module	✓	✓	✓			

FZD Function Center, Roof	✓	✓	✓		Initialization	
HUD Head-up display	✓	✓	✓			
SZGM / JBE / KGM Safety and Gateway Module Junction-box Electronics Body Gateway Module	✓	✓			Initialization	
RFK Reversing Camera	✓					
SMFA Seat Module, Driver	✓	✓	✓		Initialization	
SMBF Seat Module, Passenger	✓	✓	✓		Initialization	
TCU / ULF-SBX / CBX-MEDIA Telematic control unit Interface box	✓	✓	✓			
VSW Video Switch	✓	✓	✓			
EMALI Left Electric Motor Reel	✓	✓				
EMARE Right Electric Motor Reel	✓	✓	✓			
AHM Trailer Module	✓	✓	✓			
EME Electrical Machine Electronics	✓					
FCON Rear Compartment Controller	✓	✓	✓			
AMP Amplifier	✓	✓	✓			
HSR Rear-axle Slip Angle Control	✓	✓				
KAFAS Camera Based Driver Assist Systems	✓	✓	✓			
NVE Night Vision Electronics	✓	✓	✓			
RSE	✓	✓	✓			

Rear Seat Entertainment						
SEC Supplementary Control Unit	✓					
SMFAH Seat Module, Driver's Side Rear	✓	✓	✓		Initialization	
SMBFH Seat Module, Passenger's Side Rear	✓	✓	✓		Initialization	
SME Accumulator Management Electronics	✓					
SWW Lane Change Warning	✓	✓	✓			
TRSV All Round View Camera	✓	✓	✓			
VM Video Module Management	✓	✓	✓			
ZGM Central Gateway Module	✓	✓	✓			
FD Rear Compartment Display	✓	✓	✓			
FD2 Rear Compartment Display 2	✓	✓	✓			
DVDC DVD Changer	✓	✓	✓			
ISPB Voice Recognition System	✓					
CBX-ECALL Combox emergency call	✓	✓	✓			
PMA Parking Assistant	✓	✓	✓			

INFORMATION AND COMMUNICATION

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
CIC / CHAMP Car Information Headunit and Multimedia	✓	✓	✓			

AIR CONDITIONING

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
IHKA Regulated Heating and A/C	✓	✓	✓			
FKA Rear heater/air conditioning	✓	✓	✓			

EQUIPMENT FUNCTION SETUP

FUNCTION	ADAPTATION
Car window initialize	✓
Sliding / Tilting Sunroof Initialize	✓
Register Battery Change	✓
AFS Initialization / Adjustment	✓
Boot Lid Initialization	✓
Normalization, Longitudinal Seat Adjustment	✓
Delete Transport Mode	✓
Parking Brake	✓
IHKA/IHKR Service Functions	✓
Brake Bleed Routine	✓
Dynamic Drive (ARS system) Service Functions	✓
Electric steering-column adjustment	✓
Integrated Chassis control (ICM) sensor system adjustment	✓
Lane change warning (SWW) sensor system initial operation	✓
Solar Rain/Light Fogging Sensor Initialize	✓
Remote Control / Key	✓
Cas/Fem-K115 (de) Activation	✓
Rear-Axle Slip-Angle Control (HSR) Service Functions	✓
Vertical Dynamics Management	✓
Lock Air Bag	✓
Drive Belt Retractor	✓

Lights	✓
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CBS / SERVICE RESET

CONTROL FUNCTION	SERVICE RESET
Engine Oil	✓
Front Brakes	✓
Rear Brakes	✓
Brake Fluid	✓
Vehicle Check	✓

7-SERIES, E65 / E66 (Long Wheel Base) / E67 (Protection) / E68 (Hydrogen 7) 2002 - 2008

DRIVE SYSTEMS

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
DME for N52 / N62 / N73 Petrol Engine	✓	✓	✓	✓	✓	
DDE for M57 / M67 Diesel Engine	✓	✓	✓			
EGS Auto Transmission	✓	✓	✓	✓		
VTC1 Valvetronics	✓					
VTC2 Valvetronics	✓					
DWA Anti-Theft Alarm	✓	✓	✓			
CAS Car Access	✓	✓	✓		✓ (DME/DDE Sync)	

DME adaptation, functions list: (Some functions are optional because of the default factory setting)

1. Idle speed control
2. Learning Valvetronic limit positions
3. CO Adjustment
4. Consumption Indicator
5. Minimum Stroke Adjustment

CHASSIS

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
DSC Dynamic Stability Control	✓	✓	✓			
EHC Electronic Ride-Height Control	✓	✓	✓			
CIM Chassis Integration Module	✓	✓	✓			
EMF Parking Brake	✓	✓	✓			
ARS Active Roll Stabilization	✓	✓	✓			

BODY

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
SASL SRS / Airbag, A-Pillar Left	✓	✓				
SASR SRS / Airbag, A-Pillar Right	✓	✓				
SBSL SRS / Airbag, B-Pillar Left	✓	✓				
SBSR SRS / Airbag, B-Pillar Right	✓	✓				
SSFA SRS / Airbag, Driver Seat	✓	✓				
SSBF SRS / Airbag, Passenger Seat	✓	✓				
SSH SRS / Airbag, Rear Seat	✓	✓				
SFZ SRS / Airbag, Vehicle Center	✓	✓				
STVL SRS / Airbag, Front Left Door	✓	✓				
STVR SRS / Airbag, Front Right Door	✓	✓				
KOMBI Instrument cluster	✓	✓	✓			
PDC Park Distance Control	✓	✓	✓			
LM Light Module	✓	✓	✓			
BZM Control Centre	✓	✓	✓			
TMFAT Driver Door	✓	✓	✓			
TMBFT Passenger Door	✓	✓	✓			
FBZM Rear Control	✓	✓	✓			
TMFAH Driver Rear Door	✓	✓				

TMBFH Passenger Rear Door	✓	✓				
SZL Switch Center	✓	✓	✓		Initialization	
RLS Rain Sensor	✓	✓				
HKL Rear-lid Lift	✓	✓	✓			
WIM Wiper Module	✓	✓	✓			

INFORMATION AND COMMUNICATION

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
SIM Safety & Information	✓	✓	✓			
ASK Audio System	✓	✓	✓			
CD Control Display	✓	✓	✓			
CDGW Control Display Gateway	✓	✓	✓			
CDC CD Changer	✓		✓			
DVDC DVD Changer	✓		✓			
PM Power Module	✓	✓	✓			
CON Controller	✓	✓	✓			
ANT Antenna	✓	✓	✓			
SGM / ZGM Safety and Gateway Module	✓	✓	✓			
TCU / ULF Telephone Control Unit / Universal Bluetooth Hands-Free System	✓	✓	✓			
VM	✓	✓	✓			

Video Module						
M-ASK-NAV / JNAV Navigation System	✓	✓	✓			
SVS Language Processing System	✓		✓			

AIR CONDITIONING

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
IHKA / IHKR Regulated Heating and A/C	✓	✓	✓			
FKA / REAR AC Rear heater/air conditioning	✓	✓	✓			

EQUIPMENT FUNCTION SETUP

FUNCTION	ADAPTATION
Car window initialize	✓
Sliding / Tilting Sunroof Initialize	✓
Register Battery Change	✓
Steering Angle	✓
AFS Initialization / Adjustment	✓
Boot lid initialization	✓
Normalization, Longitudinal Seat Adjustment	✓
Delete Transport Mode	✓
Parking Brake	✓
CAS Service Functions	✓
IHKA / IHKR Service Functions	✓
SMG Transmission Control (Adjustment / Initialization) Before 2007.03 Only	✓
Brake Bleed Routine	✓
Dynamic Drive (ARS System) Service Functions	✓
Electric Steering-Column Adjustment	✓
Solar Rain / Light Fogging Sensor Initialize	✓
DSC Service Functions	✓

Specification

Active Backrest Width, Driver's Side, Initialization	✓
Active Backrest width, Passenger's Side, Initialization	✓
Enable Seat Occupancy Mat (US only)	✓
Remote Control / Key	✓

CBS / SERVICE RESET

CONTROL FUNCTION	SERVICE RESET
Engine Oil	✓
Spark Plugs (if fitted)	✓
Front Brakes	✓
Rear Brakes	✓
Brake Fluid	✓
Coolant (if fitted)	✓
Diesel Particle Filter (Diesel Engine Only, if fitted)	✓
Setting Time	✓
Brake Fluid	✓
Microfilter (if fitted)	✓
Vehicle Inspection	✓
Exhaust Emission Inspection	✓
Vehicle Check	✓

7-SERIES, E38 / E38/2 (Long Wheel Base) / E38/3 (Protection) 1994 - 2001

DRIVE SYSTEMS

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
DME for M52 / M60 / M62 / M73 Petrol Engine	✓	✓	✓	✓	✓	
DDE for M51 / M57 / M67 Diesel Engine	✓	✓	✓	✓	✓	
EGS / AGS Auto Transmission	✓	✓	✓	✓		
EML Electric Throttle	✓	✓				
EWS Immobilizer	✓	✓			✓ (DME/DDE Sync)	
GR2 Cruise Control	✓					

DME clear adaption / adaption, functions list: (Some functions are optional because of the default factory setting)

1. Oxygen Sensor / Lambda
2. Throttle Position Sensor
3. Idle air / Idle speed fluid control
4. Irregular running
5. Closing time
6. Height correction
7. Throttle valve
8. Knock control
9. All adaption

DDE adaption, functions list: (Some functions are optional because of the default factory setting)

1. Idle speed control

CHASSIS

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
ABS / ASC / DSC Automatic Stability Control Dynamic Stability Control	✓	✓	✓			
EHC Electronic Ride-Height Control	✓	✓	✓			

RDC Tyre Pressure	✓	✓	✓			
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BODY

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
SRS Airbag	✓	✓				
IKE / IKI / KOMBI Instrument cluster	✓	✓	✓			
PDC Park Distance Control	✓	✓	✓			
LCM / LSZ Light Check Module	✓	✓	✓			
ZKE Central Body System	✓	✓	✓			
SZM Switching Center	✓	✓	✓			
XENON, Left Left Xenon	✓	✓				
XENON, Right Right Xenon	✓	✓				
AIC / RLS Rain / Light Sensor	✓	✓				
MFL Multi-functional Steering Wheel		✓				
SHD Sunroof	✓	✓	✓			
SM Seat Memory	✓	✓	✓			
BSM Seat Memory, Passenger Side		✓				
CCM Check Control		✓				
FBZV Remote Control for Central Lock		✓				
HKM Trunk Lid Module		✓				

SBE2 Seat Occupation Detection		✓				
SPMBT Mirror Memory, Passenger Side		✓				
SPMFT Mirror Memory, Driver Side		✓				
STH Additional Heater		✓				
LWS Steering Angle		✓				
ELV Electric Steering		✓				
LRA Headlight Vertical Aim Control	✓	✓	✓			

INFORMATION AND COMMUNICATION

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
RAD Radio	✓	✓	✓			
BIT Basis-Interface Telephone	✓	✓	✓			
BMBT On-Board Monitor	✓					
DSP DSP-booster	✓					
MID Multi-Information Display	✓					
FID Rear Multi-Information Display	✓					
IRIS Integrated Radio Information	✓					
NAV Navigation System	✓					
NAV JAP Navigation System, Japanese	✓		✓			
VIDEO_GT Video Module Graphics Part	✓					

VIDEO_TV / VID Video Module, TV	✓					
SES Voice Recognition	✓		✓			

AIR CONDITIONING

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
IHKA / IHKR Regulated Heating and A/C	✓	✓	✓			
FGB Rear Compartment Blower	✓	✓	✓			

7-SERIES, E32 1986 - 1994

DRIVE SYSTEMS

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
DME for M30 / M50 / M70 Petrol Engine	✓	✓	✓	✓	✓	
DDE for M51 Diesel Engine	✓	✓	✓	✓	✓	
EGS Auto Transmission	✓	✓	✓	✓		
EML Electric Throttle	✓	✓				
EWS Immobilizer	✓	✓			✓ (DME/DDE Sync)	

DME clear adaption / adaption, functions list: (Some functions are optional because of the default factory setting)

1. All adaption

DDE adaption, functions list: (Some functions are optional because of the default factory setting)

1. Idle speed control

CHASSIS

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
ABS / ASC / DSC Automatic Stability Control Dynamic Stability Control	✓	✓	✓			
EDC Electronic Dapmer Control	✓	✓	✓			
AHK Active Rear Axle	✓	✓	✓			

BODY

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
SRS Airbag	✓	✓				
IKE / IKI / KOMBI Instrument cluster	✓	✓	✓			

Specification

ZKE Central Body System	✓	✓	✓			
EKM Electric Body Module	✓					
LCM / LM Light Check Module	✓	✓	✓			

INFORMATION AND COMMUNICATION

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
MID / ZIS Multi-Information Display	✓					

AIR CONDITIONING

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
IHKA / IHKR Regulated Heating and A/C	✓	✓	✓			

5-SERIES, F07 (Gran Turismo) / F10 / F11 (Touring/Sports Wagon) / F18 (China) 2009 - 2012

DRIVE SYSTEMS

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
DME for N20 / N53 / N55 / N63 Petrol Engine	✓	✓	✓	✓	✓	
DDE for N47 / N57 Diesel Engine	✓	✓	✓			
EGS Auto Transmission	✓	✓	✓	✓		
VTG Transfer Case	✓	✓	✓			
CAS Car Access	✓	✓	✓			
EKPS Fuel-pump	✓	✓	✓			
GWS Gear Selector Switch	✓	✓	✓			

DME adaptation, functions list: (Some functions are optional because of the default factory setting)

1: Idle speed control

2: Learning Valvetronic limit positions

CHASSIS

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
DSC Dynamic Stability Control	✓	✓	✓			
EHC Electronic Ride-Height Control	✓	✓	✓			
EMF Parking Brake	✓	✓	✓		Initialization	
AL/AFS Active Steering	✓	✓				
EDCSHL Damper Satellite, Rear Left	✓	✓	✓			
EDCSHR Damper Satellite, Rear Reft	✓	✓	✓			

EDCSVL Damper Satellite, Front Left	✓	✓	✓			
EDCSVR Damper Satellite, Front Right	✓	✓	✓			
ICM Integrated Chassis Control	✓	✓	✓			
RDC Tire Pressure Control	✓	✓	✓			
VDM Vertical Dynamics Management	✓	✓	✓			
EPS Electronic Power Steering	✓	✓	✓			
VDM Vehicle Dynamics Management	✓	✓	✓			

BODY

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
ACSM / MRS / SIM Crash Safety Module Multiple Restraint System Safety Information	✓	✓	✓			
KOMBI Instrument cluster	✓	✓	✓			
PDC Park Distance Control	✓	✓	✓			
SZL Switch Center	✓	✓				
HKL Rear-lid Lift	✓	✓			Initialization	
CID Central Information Display	✓	✓	✓			
CON Controller	✓	✓	✓			
FLA High Beam Assist	✓	✓	✓			
FRM Footwell Module	✓	✓	✓			

FZD Function Center, Roof	✓	✓	✓		Initialization	
HUD Head-up display	✓	✓	✓			
SZGM / JBE / KGM Safety and Gateway Module Junction-box Electronics Body Gateway Module	✓	✓			Initialization	
RFK Reversing Camera	✓					
SMFA Seat Module, Driver	✓	✓	✓		Initialization	
SMBF Seat Module, Passenger	✓	✓	✓		Initialization	
TCU / ULF-SBX / CBX-MEDIA Telematic control unit Interface box	✓	✓	✓			
VSW Video Switch	✓	✓	✓			
EMALI Left Electric Motor Reel	✓	✓				
EMARE Right Electric Motor Reel	✓	✓	✓			
AHM Trailer Module	✓	✓	✓			
EME Electrical Machine Electronics	✓					
FCON Rear Compartment Controller	✓	✓	✓			
AMP Amplifier	✓	✓	✓			
HSR Rear-axle Slip Angle Control	✓	✓				
KAFAS Camera Based Driver Assist Systems	✓	✓	✓			
NVE Night Vision Electronics	✓	✓	✓			
RSE	✓	✓	✓			

Rear Seat Entertainment						
SEC Supplementary Control Unit	✓					
SMFAH Seat Module, Driver's Side Rear	✓	✓	✓		Initialization	
SMBFH Seat Module, Passenger's Side Rear	✓	✓	✓		Initialization	
SME Accumulator Management Electronics	✓					
SWW Lane Change Warning	✓	✓	✓			
TRSV All Round View Camera	✓	✓	✓			
VM Video Module Management	✓	✓	✓			
ZGM Central Gateway Module	✓	✓	✓			
FD Rear Compartment Display	✓	✓	✓			
FD2 Rear Compartment Display 2	✓	✓	✓			
DVDC DVD Changer	✓	✓	✓			
ISPB Voice Recognition System	✓					
CBX-ECALL Combox emergency call	✓	✓	✓			
PMA Parking Assistant	✓	✓	✓			

INFORMATION AND COMMUNICATION

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
CIC / CHAMP Car Information Headunit and Multimedia	✓	✓	✓			

AIR CONDITIONING

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
IHKA Regulated Heating and A/C	✓	✓	✓			
FKA Rear heater/air conditioning	✓	✓	✓			

EQUIPMENT FUNCTION SETUP

FUNCTION	ADAPTATION
Car window initialize	✓
Sliding / Tilting Sunroof Initialize	✓
Register Battery Change	✓
AFS Initialization / Adjustment	✓
Boot Lid Initialization	✓
Normalization, Longitudinal Seat Adjustment	✓
Delete Transport Mode	✓
Parking Brake	✓
IHKA/IHKR Service Functions	✓
Brake Bleed Routine	✓
Dynamic Drive (ARS system) Service Functions	✓
Electric steering-column adjustment	✓
Integrated Chassis control (ICM) sensor system adjustment	✓
Lane change warning (SWW) sensor system initial operation	✓
Solar Rain/Light Fogging Sensor Initialize	✓
Remote Control / Key	✓
Cas/Fem-KI15 (de) Activation	✓
Rear-Axle Slip-Angle Control (HSR) Service Functions	✓
Vertical Dynamics Management	✓
Lock Air Bag	✓
Drive Belt Retractor	✓

Lights	✓
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CBS / SERVICE RESET

CONTROL FUNCTION	SERVICE RESET
Engine Oil	✓
Front Brakes	✓
Rear Brakes	✓
Brake Fluid	✓
Vehicle Check	✓

5-SERIES, E60 (SEDAN) / E61 (STATION WAGON) 2002 - 2008

DRIVE SYSTEMS

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
DME for M54 / N43 / N52 / N53 / N54 / N62 Petrol Engine	✓	✓	✓	✓	✓	
DDE for M47 / M57 / N47 Diesel Engine	✓	✓	✓			
EGS Auto Transmission	✓	✓	✓	✓		
GWS Gear Selector Switch	✓	✓	✓			
EKPS Fuel-Pump Control	✓	✓	✓			
DWA Anti-Theft Alarm	✓	✓	✓			
CAS Car Access	✓	✓	✓		✓ (DME/DDE Sync)	
VTG Transfer Case	✓	✓	✓			
VTC1 Valvetronics 1	✓					The sub-system of DME
VTC2 Valvetronics 2	✓					The sub-system of DME

DME adaptation, functions list: (Some functions are optional because of the default factory setting)

1. Idle speed control
2. Learning Valvetronic limit positions
3. CO Adjustment
4. Consumption Indicator
5. Minimum Stroke Adjustment

CHASSIS

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
DSC Dynamic Stability Control	✓	✓	✓			
AL / AFS	✓	✓				

Active Steering						
RDC Tire Pressure Control	✓	✓	✓			
ACC / LRR Active Cruise Control Long-Range Sensor	✓					
ARS Dynamic Drive	✓	✓	✓			
EDC Damper Control	✓	✓	✓			
LDM Longitudinal Dynamics Management	✓	✓				

BODY

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
SBSL SRS / Airbag, B-Pillar Left	✓	✓				
SBSR SRS / Airbag, B-Pillar Right	✓	✓				
SFZ SRS / Airbag, Vehicle Center	✓	✓				
ACSM / MRS / SIM Crash Safety Module / Safety Info	✓	✓				
KOMBI Instrument cluster	✓	✓	✓			
PDC Park Distance Control	✓	✓	✓			
FZD Function Center, Roof	✓	✓	✓			
SMFA Seat Module, Driver	✓	✓	✓			
SMBF Seat Module, Passenger	✓	✓	✓			
SHD Sliding / Tilting Sunroof	✓	✓	✓			
FRM / KBM Footwell / Body Basic Module	✓	✓	✓			

LM Light Module	✓	✓	✓			
SZL Switch Center	✓	✓	✓		Initialization	
SZM Control Centre	✓	✓	✓			
TMFA Driver Door	✓	✓	✓			
TMBF Passenger Door	✓	✓	✓			
FLA High Beam Assist	✓	✓	✓			
AHM Trailer Module	✓	✓	✓			
SINE Siren with Tilt Sensor	✓	✓				
AHM Trailer Module	✓					
ALBFA Active Backrest Width, Driver	✓	✓	✓			
ALBBF Active Backrest Width, Passenger	✓	✓	✓			
RLS Rain Sensor	✓	✓				
CVM / CTM Convertible Top	✓	✓				

INFORMATION AND COMMUNICATION

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
SZGM / JBE / KGM Safety and Gateway Module Junction-Box Electronics Body Gateway Module	✓	✓	✓			
CDC CD Changer	✓		✓			
DVDC DVD Changer	✓		✓			

CCC-ASK Audio System	✓	✓	✓			
CCC-ANT Antenna Tuner	✓					
CD / RAD / MBO / CCC-BO / CHAMP-BO / M-ASK-BO Control Display / User Interface	✓	✓	✓			
CD-GW / M-ASK-GW / RAD2GW / CCC-GW / CHAMP-GW Gateway	✓	✓	✓			
CID Central Information Display	✓	✓	✓			
CON Controller	✓	✓	✓			
TCU / ULF Telephone Control Unit / Universal Bluetooth Hands-Free System	✓	✓	✓			
AMP Amplifier	✓	✓	✓			
CCC-A Applications	✓	✓	✓			
HUD Head-up Display	✓	✓	✓			
CA Comfort Access	✓	✓				
DAB Digital Tuner	✓					
KHM / KHI Headphones Module Headset Interface	✓					
NVK Night Vision Camera	✓					
NVE Night Vision Electronics	✓	✓	✓			
SHZH Independent / Auxiliary Heater	✓					
SVS Language Processing System	✓					

VM Video Module	✓	✓	✓			
MASK-NAV / CNAV / JNAV / KNAV Navigation System	✓	✓	✓			
SDARS Satellite Tuner	✓	✓	✓			
IBOC Digital Tuner US	✓	✓	✓			
PM Power Module	✓	✓	✓			

AIR CONDITIONING

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
IHKA / IHKR Regulated Heating and A/C	✓	✓	✓			

EQUIPMENT FUNCTION SETUP

FUNCTION	ADAPTATION
Car window initialize	✓
Sliding / Tilting Sunroof Initialize	✓
Register Battery Change	✓
Steering Angle	✓
AFS Initialization / Adjustment	✓
Boot lid initialization	✓
Normalization, Longitudinal Seat Adjustment	✓
Delete Transport Mode	✓
Parking Brake	✓
CAS Service Functions	✓
IHKA / IHKR Service Functions	✓
SMG Transmission Control (Adjustment / Initialization) Before 2007.03 Only	✓
Brake Bleed Routine	✓
Dynamic Drive (ARS System) Service Functions	✓

Electric Steering-Column Adjustment	✓
Solar Rain / Light Fogging Sensor Initialize	✓
DSC Service Functions	✓
Active Backrest Width, Driver's Side, Initialization	✓
Active Backrest width, Passenger's Side, Initialization	✓
Enable Seat Occupancy Mat (US only)	✓
Remote Control / Key	✓

CBS / SERVICE RESET

CONTROL FUNCTION	SERVICE RESET
Engine Oil	✓
Spark Plugs (if fitted)	✓
Front Brakes	✓
Rear Brakes	✓
Brake Fluid	✓
Coolant (if fitted)	✓
Diesel Particle Filter (Diesel Engine Only, if fitted)	✓
Setting Time	✓
Brake Fluid	✓
Microfilter (if fitted)	✓
Vehicle Inspection	✓
Exhaust Emission Inspection	✓
Vehicle Check	✓

5-SERIES, E39 1995 - 2003

DRIVE SYSTEMS

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
DME for M52 / M54 / M62 / S62 Petrol Engine	✓	✓	✓	✓	✓	
DDE for M47 / M51 / M57 Diesel Engine	✓	✓	✓	✓	✓	
EGS / AGS Auto Transmission	✓	✓	✓	✓		
EWS Immobilizer	✓	✓			✓ (DME/DDE Sync)	
GR2 Cruise Control	✓					

DME clear adaption / adaption, functions list: (Some functions are optional because of the default factory setting)

1. All adaption

DDE adaption, functions list: (Some functions are optional because of the default factory setting)

1. Idle speed control

CHASSIS

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
ABS / ASC / DSC Automatic Stability Control Dynamic Stability Control	✓	✓	✓			
EHC Electronic Ride-Height Control	✓	✓	✓			
RDC Tyre Pressure	✓	✓	✓			

BODY

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
SRS Airbag	✓	✓				
IKE / IKI / KOMBI Instrument cluster	✓	✓	✓			

Specification

PDC Park Distance Control	✓	✓	✓			
LCM / LSZ Light Check Module	✓	✓	✓			
ZKE Central Body System	✓	✓	✓			
SZM Switching Center	✓	✓	✓			
XENON, Left Left Xenon	✓	✓				
XENON, Right Right Xenon	✓	✓				
AIC / RLS Rain / Light Sensor	✓	✓				
MFL Multi-functional Steering Wheel		✓				
SHD Sunroof	✓	✓	✓			
SM Seat Memory	✓	✓	✓			
BSM Seat Memory, Passenger Side		✓				
CCM Check Control		✓				
FBZV Remote Control for Central Lock		✓				
HKM Trunk Lid Module		✓				
SBE2 Seat Occupation Detection		✓				
SPMBT Mirror Memory, Passenger Side		✓				
SPMFT Mirror Memory, Driver Side		✓				
STH Additional Heater		✓				
LWS Steering Angle		✓				

ELV Electric Steering		✓				
LRA Headlight Vertical Aim Control	✓	✓	✓			

INFORMATION AND COMMUNICATION

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
RAD Radio	✓	✓	✓			
BIT Basis-Interface Telephone	✓	✓	✓			
BMBT On-Board Monitor	✓					
DSP DSP-booster	✓					
MID Multi-Information Display	✓					
FID Rear Multi-Information Display	✓					
IRIS Integrated Radio Information	✓					
NAV Navigation System	✓					
NAV JAP Navigation System, Japanese	✓		✓			
VIDEO_GT Video Module Graphics Part	✓					
VIDEO_TV / VID Video Module, TV	✓					
SES Voice Recognition	✓		✓			

AIR CONDITIONING

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
IHKA / IHKR Regulated Heating and A/C	✓	✓	✓			

Specification

FGB Rear Compartment Blower	✓	✓	✓			
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5-SERIES, E34 1988 - 1996

DRIVE SYSTEMS

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
DME for M20 / M30 / M40 / M43 / M50 / S38 Petrol Engine	✓	✓	✓	✓	✓	
DDE for M21 / M51 Diesel Engine	✓	✓	✓	✓	✓	
EGS Auto Transmission	✓	✓	✓	✓		
EWS Immobilizer	✓	✓			✓ (DME/DDE Sync)	

DME clear adaption / adaption, functions list: (Some functions are optional because of the default factory setting)

1. All adaption

DDE adaption, functions list: (Some functions are optional because of the default factory setting)

1. Idle speed control

CHASSIS

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
ABS / ASC / DSC Automatic Stability Control Dynamic Stability Control	✓	✓	✓			
AHK Active Rear Axle	✓	✓	✓			

BODY

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
SRS Airbag	✓	✓				
IKE / IKI / KOMBI Instrument cluster	✓	✓	✓			
ZKE Central Body System	✓	✓	✓			
EKM	✓					

Electric Body Module						
LCM / LM Light Check Module	✓	✓	✓			

INFORMATION AND COMMUNICATION

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
MID / ZIS Multi-Information Display	✓					

AIR CONDITIONING

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
IHKA / IHKR Regulated Heating and A/C	✓	✓	✓			

5-SERIES, E28 ~1988

DRIVE SYSTEMS

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
DME for M20 / M30 / S38 Petrol Engine	✓	✓	✓	✓		

3-SERIES, E90 (SEDAN) / E91 (Touring) / E92 (Coupé) / E93 (Coupé Cabriolet) 2006 - 2011

DRIVE SYSTEMS

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
DME Petrol Engine	✓	✓	✓	✓	✓	
DDE Diesel Engine	✓	✓	✓			
EGS Auto Transmission	✓	✓	✓	✓		
GWS Gear Selector Switch	✓	✓	✓			
EKPS Fuel-Pump Control	✓	✓	✓			
DWA Anti-Theft Alarm	✓	✓	✓			
CAS Car Access	✓	✓	✓		✓ (DME/DDE Sync)	
VTG Transfer Case	✓	✓	✓			
VTC1 Valvetronics 1	✓					The sub-system of DME
VTC2 Valvetronics 2	✓					The sub-system of DME

DME adaptation, functions list: (Some functions are optional because of the default factory setting)

1. Idle speed control
2. Learning Valvetronic limit positions
3. CO Adjustment
4. Consumption Indicator
5. Minimum Stroke Adjustment

CHASSIS

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
DSC Dynamic Stability Control	✓	✓	✓			
AL / AFS Active Steering	✓	✓				
RDC	✓	✓	✓			

Tire Pressure Control						
ACC / LRR Active Cruise Control Long-Range Sensor	✓					
ARS Dynamic Drive	✓	✓	✓			
EDC Damper Control	✓	✓	✓			
LDM Longitudinal Dynamics Management	✓	✓				

BODY

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
SBSL SRS / Airbag, B-Pillar Left	✓	✓				
SBSR SRS / Airbag, B-Pillar Right	✓	✓				
SFZ SRS / Airbag, Vehicle Center	✓	✓				
ACSM / MRS / SIM Crash Safety Module / Safety Info	✓	✓				
KOMBI Instrument cluster	✓	✓	✓			
PDC Park Distance Control	✓	✓	✓			
FZD Function Center, Roof	✓	✓	✓			
SMFA Seat Module, Driver	✓	✓	✓			
SMBF Seat Module, Passenger	✓	✓	✓			
SHD Sliding / Tilting Sunroof	✓	✓	✓			
FRM / KBM Footwell / Body Basic Module	✓	✓	✓			
LM Light Module	✓	✓	✓			

SZL Switch Center	✓	✓	✓		Initialization	
SZM Control Centre	✓	✓	✓			
TMFA Driver Door	✓	✓	✓			
TMBF Passenger Door	✓	✓	✓			
FLA High Beam Assist	✓	✓	✓			
AHM Trailer Module	✓	✓	✓			
SINE Siren with Tilt Sensor	✓	✓				
AHM Trailer Module	✓					
ALBFA Active Backrest Width, Driver	✓	✓	✓			
ALBBF Active Backrest Width, Passenger	✓	✓	✓			
RLS Rain Sensor	✓	✓				
CVM / CTM Convertible Top	✓	✓				

INFORMATION AND COMMUNICATION

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
SZGM / JBE / KGM Safety and Gateway Module Junction-Box Electronics Body Gateway Module	✓	✓	✓			
CDC CD Changer	✓		✓			
DVDC DVD Changer	✓		✓			
CCC-ASK Audio System	✓	✓	✓			

CCC-ANT Antenna Tuner	✓					
CD / RAD / MBO / CCC-BO / CHAMP-BO / M-ASK-BO Control Display / User Interface	✓	✓	✓			
CD-GW / M-ASK-GW / RAD2GW / CCC-GW / CHAMP-GW Gateway	✓	✓	✓			
CID Central Information Display	✓	✓	✓			
CON Controller	✓	✓	✓			
TCU / ULF Telephone Control Unit / Universal Bluetooth Hands-Free System	✓	✓	✓			
AMP Amplifier	✓	✓	✓			
CCC-A Applications	✓	✓	✓			
HUD Head-up Display	✓	✓	✓			
CA Comfort Access	✓	✓				
DAB Digital Tuner	✓					
KHM / KHI Headphones Module Headset Interface	✓					
NVK Night Vision Camera	✓					
NVE Night Vision Electronics	✓	✓	✓			
SHZH Independent / Auxiliary Heater	✓					
SVS Language Processing System	✓					
VM Video Module	✓	✓	✓			

MASK-NAV / CNAV / JNAV / KNAV Navigation System	✓	✓	✓			
SDARS Satellite Tuner	✓	✓	✓			
IBOC Digital Tuner US	✓	✓	✓			
PM Power Module	✓	✓	✓			

AIR CONDITIONING

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
IHKA / IHKR Regulated Heating and A/C	✓	✓	✓			

EQUIPMENT FUNCTION SETUP

FUNCTION	ADAPTATION
Car window initialize	✓
Sliding / Tilting Sunroof Initialize	✓
Register Battery Change	✓
Steering Angle	✓
AFS Initialization / Adjustment	✓
Boot lid initialization	✓
Normalization, Longitudinal Seat Adjustment	✓
Delete Transport Mode	✓
Parking Brake	✓
CAS Service Functions	✓
IHKA / IHKR Service Functions	✓
SMG Transmission Control (Adjustment / Initialization) Before 2007.03 Only	✓
Brake Bleed Routine	✓
Dynamic Drive (ARS System) Service Functions	✓
Electric Steering-Column Adjustment	✓
Solar Rain / Light Fogging Sensor Initialize	✓

DSC Service Functions	✓
Active Backrest Width, Driver's Side, Initialization	✓
Active Backrest width, Passenger's Side, Initialization	✓
Enable Seat Occupancy Mat (US only)	✓
Remote Control / Key	✓

CBS / SERVICE RESET

CONTROL FUNCTION	SERVICE RESET
Engine Oil	✓
Spark Plugs (if fitted)	✓
Front Brakes	✓
Rear Brakes	✓
Brake Fluid	✓
Coolant (if fitted)	✓
Diesel Particle Filter (Diesel Engine Only, if fitted)	✓
Setting Time	✓
Brake Fluid	✓
Microfilter (if fitted)	✓
Vehicle Inspection	✓
Exhaust Emission Inspection	✓
Vehicle Check	✓

3-SERIES, E46 1999 - 2005

DRIVE SYSTEMS

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
DME for M42 / M43 / M46 / M52 / M54 / M56 / S54 Petrol Engine	✓	✓	✓	✓	✓	
DDE for M47 / M57 Diesel Engine	✓	✓	✓	✓	✓	
EGS / AGS Auto Transmission	✓	✓	✓	✓		
EWS Immobilizer	✓	✓			✓ (DME/DDE Sync)	
GR2 Cruise Control	✓					

DME clear adaption / adaption, functions list: (Some functions are optional because of the default factory setting)

1. All adaption

DDE adaption, functions list: (Some functions are optional because of the default factory setting)

1. Idle speed control

CHASSIS

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
ABS / ASC / DSC Automatic Stability Control Dynamic Stability Control	✓	✓	✓			
RDC Tyre Pressure	✓	✓	✓			

BODY

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
SRS Airbag	✓	✓				
IKE / IKI / KOMBI Instrument cluster	✓	✓	✓			
PDC Park Distance Control	✓	✓	✓			

LCM / LSZ Light Check Module	✓	✓	✓			
ZKE Central Body System	✓	✓	✓			
CVM Convertible Top	✓	✓				
XENON, Left Left Xenon	✓	✓				
XENON, Right Right Xenon	✓	✓				
AIC / RLS Rain / Light Sensor	✓	✓				
MFL Multi-functional Steering Wheel		✓				
SHD Sunroof	✓	✓	✓			
SM Seat Memory	✓	✓	✓			
BSM Seat Memory, Passenger Side		✓				
CCM Check Control		✓				
FBZV Remote Control for Central Lock		✓				
LWS Steering Angle		✓				

INFORMATION AND COMMUNICATION

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
RAD Radio	✓	✓	✓			
BIT Basis-Interface Telephone	✓	✓	✓			
BMBT On-Board Monitor	✓					
DSP DSP-booster	✓					

Specification

MID Multi-Information Display	✓					
FID Rear Multi-Information Display	✓					
IRIS Integrated Radio Information	✓					
NAV Navigation System	✓					
NAV JAP Navigation System, Japanese	✓		✓			
VIDEO_GT Video Module Graphics Part	✓					
VIDEO_TV / VID Video Module, TV	✓					
SES Voice Recognition	✓		✓			

AIR CONDITIONING

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
IHKA / IHKR Regulated Heating and A/C	✓	✓	✓			
FGB Rear Compartment Blower	✓	✓	✓			

3-SERIES, E36 1988 - 1996

DRIVE SYSTEMS

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
DME for M40 / M42 / M43 / M44 / M50 / M52 / S50 Petrol Engine	✓	✓	✓	✓	✓	
DDE for M41 / M51 Diesel Engine	✓	✓	✓	✓	✓	
EGS Auto Transmission	✓	✓	✓	✓		
EWS Immobilizer	✓	✓			✓ (DME/DDE Sync)	

DME clear adaption / adaption, functions list: (Some functions are optional because of the default factory setting)

1. All adaption

DDE adaption, functions list: (Some functions are optional because of the default factory setting)

1. Idle speed control

CHASSIS

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
ABS / ASC / DSC Automatic Stability Control Dynamic Stability Control	✓	✓	✓			

BODY

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
SRS Airbag	✓	✓				
IKE / IKI / KOMBI Instrument cluster	✓	✓	✓			
ZKE Central Body System	✓	✓	✓			
CVM Convertible Top	✓	✓				
PDC	✓	✓	✓			

Park Distance						
LWS Steering Angle	✓					

INFORMATION AND COMMUNICATION

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
RAD Radio	✓	✓	✓			
BMBT On-Board Monitor	✓					
MID Multi-Information Display	✓					
IRIS Integrated Radio Information	✓					

AIR CONDITIONING

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
IHKA / IHKR Regulated Heating and A/C	✓	✓	✓			

3-SERIES, E30 ~1994

DRIVE SYSTEMS

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
DME Petrol Engine	✓	✓	✓	✓		

1-SERIES, F20 2011 -

DRIVE SYSTEMS

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
DME for N13 / N20 / N55 Petrol Engine	✓	✓	✓	✓	✓	
DDE for N47 Diesel Engine	✓	✓	✓			
EGS Auto Transmission	✓	✓	✓	✓		
VTG Transfer Case	✓	✓	✓			
CAS Car Access	✓	✓	✓			
EKPS Fuel-pump	✓	✓	✓			
GWS Gear Selector Switch	✓	✓	✓			

DME adaptation, functions list: (Some functions are optional because of the default factory setting)

1: Idle speed control

2: Learning Valvetronic limit positions

CHASSIS

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
DSC Dynamic Stability Control	✓	✓	✓			
EHC Electronic Ride-Height Control	✓	✓	✓			
EMF Parking Brake	✓	✓	✓		Initialization	
AL/AFS Active Steering	✓	✓				
EDCSHL Damper Satellite, Rear Left	✓	✓	✓			
EDCSHR Damper Satellite, Rear Reft	✓	✓	✓			
EDCSVL Damper Satellite, Front Left	✓	✓	✓			

EDCSVR Damper Satellite, Front Right	✓	✓	✓			
ICM Integrated Chassis Control	✓	✓	✓			
RDC Tire Pressure Control	✓	✓	✓			
VDM Vertical Dynamics Management	✓	✓	✓			
EPS Electronic Power Steering	✓	✓	✓			
VDM Vehicle Dynamics Management	✓	✓	✓			

BODY

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
ACSM / MRS / SIM Crash Safety Module Multiple Restraint System Safety Information	✓	✓	✓			
KOMBI Instrument cluster	✓	✓	✓			
PDC Park Distance Control	✓	✓	✓			
SZL Switch Center	✓	✓				
HKL Rear-lid Lift	✓	✓			Initialization	
CID Central Information Display	✓	✓	✓			
CON Controller	✓	✓	✓			
FLA High Beam Assist	✓	✓	✓			
FRM Footwell Module	✓	✓	✓			
FZD Function Center, Roof	✓	✓	✓		Initialization	

HUD Head-up display	✓	✓	✓			
SZGM / JBE / KGM Safety and Gateway Module Junction-box Electronics Body Gateway Module	✓	✓			Initialization	
RFK Reversing Camera	✓					
SMFA Seat Module, Driver	✓	✓	✓		Initialization	
SMBF Seat Module, Passenger	✓	✓	✓		Initialization	
TCU / ULF-SBX / CBX-MEDIA Telematic control unit Interface box	✓	✓	✓			
VSW Video Switch	✓	✓	✓			
EMALI Left Electric Motor Reel	✓	✓				
EMARE Right Electric Motor Reel	✓	✓	✓			
AHM Trailer Module	✓	✓	✓			
EME Electrical Machine Electronics	✓					
FCON Rear Compartment Controller	✓	✓	✓			
AMP Amplifier	✓	✓	✓			
HSR Rear-axle Slip Angle Control	✓	✓				
KAFAS Camera Based Driver Assist Systems	✓	✓	✓			
NVE Night Vision Electronics	✓	✓	✓			
RSE Rear Seat Entertainment	✓	✓	✓			
SEC	✓					

Supplementary Control Unit						
SMFAH Seat Module, Driver's Side Rear	✓	✓	✓		Initialization	
SMBFH Seat Module, Passenger's Side Rear	✓	✓	✓		Initialization	
SME Accumulator Management Electronics	✓					
SWW Lane Change Warning	✓	✓	✓			
TRSVC All Round View Camera	✓	✓	✓			
VM Video Module Management	✓	✓	✓			
ZGM Central Gateway Module	✓	✓	✓			
FD Rear Compartment Display	✓	✓	✓			
FD2 Rear Compartment Display 2	✓	✓	✓			
DVDC DVD Changer	✓	✓	✓			
ISPB Voice Recognition System	✓					
CBX-ECALL Combox emergency call	✓	✓	✓			
PMA Parking Assistant	✓	✓	✓			

INFORMATION AND COMMUNICATION

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
CIC / CHAMP Car Information Headunit and Multimedia	✓	✓	✓			

AIR CONDITIONING

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
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IHKA Regulated Heating and A/C	✓	✓	✓			
FKA Rear heater/air conditioning	✓	✓	✓			

EQUIPMENT FUNCTION SETUP

FUNCTION	ADAPTATION
Car window initialize	✓
Sliding / Tilting Sunroof Initialize	✓
Register Battery Change	✓
AFS Initialization / Adjustment	✓
Boot Lid Initialization	✓
Normalization, Longitudinal Seat Adjustment	✓
Delete Transport Mode	✓
Parking Brake	✓
IHKA/IHKR Service Functions	✓
Brake Bleed Routine	✓
Dynamic Drive (ARS system) Service Functions	✓
Electric steering-column adjustment	✓
Integrated Chassis control (ICM) sensor system adjustment	✓
Lane change warning (SWW) sensor system initial operation	✓
Solar Rain/Light Fogging Sensor Initialize	✓
Remote Control / Key	✓
Cas/Fem-K115 (de) Activation	✓
Rear-Axle Slip-Angle Control (HSR) Service Functions	✓
Vertical Dynamics Management	✓
Lock Air Bag	✓
Drive Belt Retractor	✓
Lights	✓

CBS / SERVICE RESET

CONTROL FUNCTION	SERVICE RESET
Engine Oil	✓
Front Brakes	✓
Rear Brakes	✓
Brake Fluid	✓
Vehicle Check	✓

1-SERIES, E81 (Hatchback) / E82 (Coupé) / E87 (Hatchback) / E88 (Convertible) 2004 - 2011

DRIVE SYSTEMS

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
DME for N43 / N45 / N46 / N51 / N52 / N54 / N55 Petrol Engine	✓	✓	✓	✓	✓	
DDE for M47 / N47 Diesel Engine	✓	✓	✓			
EGS Auto Transmission	✓	✓	✓	✓		
GWS Gear Selector Switch	✓	✓	✓			
EKPS Fuel-Pump Control	✓	✓	✓			
DWA Anti-Theft Alarm	✓	✓	✓			
CAS Car Access	✓	✓	✓		✓ (DME/DDE Sync)	
VTG Transfer Case	✓	✓	✓			
VTC1 Valvetronics 1	✓					The sub-system of DME
VTC2 Valvetronics 2	✓					The sub-system of DME

DME adaptation, functions list: (Some functions are optional because of the default factory setting)

1. Idle speed control
2. Learning Valvetronic limit positions
3. CO Adjustment
4. Consumption Indicator
5. Minimum Stroke Adjustment

CHASSIS

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
DSC Dynamic Stability Control	✓	✓	✓			
AL / AFS Active Steering	✓	✓				

RDC Tire Pressure Control	✓	✓	✓			
ACC / LRR Active Cruise Control Long-Range Sensor	✓					
ARS Dynamic Drive	✓	✓	✓			
EDC Damper Control	✓	✓	✓			
LDM Longitudinal Dynamics Management	✓	✓				

BODY

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
SBSL SRS / Airbag, B-Pillar Left	✓	✓				
SBSR SRS / Airbag, B-Pillar Right	✓	✓				
SFZ SRS / Airbag, Vehicle Center	✓	✓				
ACSM / MRS / SIM Crash Safety Module / Safety Info	✓	✓				
KOMBI Instrument cluster	✓	✓	✓			
PDC Park Distance Control	✓	✓	✓			
FZD Function Center, Roof	✓	✓	✓			
SMFA Seat Module, Driver	✓	✓	✓			
SMBF Seat Module, Passenger	✓	✓	✓			
SHD Sliding / Tilting Sunroof	✓	✓	✓			
FRM / KBM Footwell / Body Basic Module	✓	✓	✓			
LM Light Module	✓	✓	✓			

SZL Switch Center	✓	✓	✓		Initialization	
SZM Control Centre	✓	✓	✓			
TMFA Driver Door	✓	✓	✓			
TMBF Passenger Door	✓	✓	✓			
FLA High Beam Assist	✓	✓	✓			
AHM Trailer Module	✓	✓	✓			
SINE Siren with Tilt Sensor	✓	✓				
AHM Trailer Module	✓					
ALBFA Active Backrest Width, Driver	✓	✓	✓			
ALBBF Active Backrest Width, Passenger	✓	✓	✓			
RLS Rain Sensor	✓	✓				
CVM / CTM Convertible Top	✓	✓				

INFORMATION AND COMMUNICATION

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
SZGM / JBE / KGM Safety and Gateway Module Junction-Box Electronics Body Gateway Module	✓	✓	✓			
CDC CD Changer	✓		✓			
DVDC DVD Changer	✓		✓			
CCC-ASK Audio System	✓	✓	✓			

CCC-ANT Antenna Tuner	✓					
CD / RAD / MBO / CCC-BO / CHAMP-BO / M-ASK-BO Control Display / User Interface	✓	✓	✓			
CD-GW / M-ASK-GW / RAD2GW / CCC-GW / CHAMP-GW Gateway	✓	✓	✓			
CID Central Information Display	✓	✓	✓			
CON Controller	✓	✓	✓			
TCU / ULF Telephone Control Unit / Universal Bluetooth Hands-Free System	✓	✓	✓			
AMP Amplifier	✓	✓	✓			
CCC-A Applications	✓	✓	✓			
HUD Head-up Display	✓	✓	✓			
CA Comfort Access	✓	✓				
DAB Digital Tuner	✓					
KHM / KHI Headphones Module Headset Interface	✓					
NVK Night Vision Camera	✓					
NVE Night Vision Electronics	✓	✓	✓			
SHZH Independent / Auxiliary Heater	✓					
SVS Language Processing System	✓					
VM Video Module	✓	✓	✓			

MASK-NAV / CNAV / JNAV / KNAV Navigation System	✓	✓	✓			
SDARS Satellite Tuner	✓	✓	✓			
IBOC Digital Tuner US	✓	✓	✓			
PM Power Module	✓	✓	✓			

AIR CONDITIONING

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
IHKA / IHKR Regulated Heating and A/C	✓	✓	✓			

EQUIPMENT FUNCTION SETUP

FUNCTION	ADAPTATION
Car window initialize	✓
Sliding / Tilting Sunroof Initialize	✓
Register Battery Change	✓
Steering Angle	✓
AFS Initialization / Adjustment	✓
Boot lid initialization	✓
Normalization, Longitudinal Seat Adjustment	✓
Delete Transport Mode	✓
Parking Brake	✓
CAS Service Functions	✓
IHKA / IHKR Service Functions	✓
SMG Transmission Control (Adjustment / Initialization) Before 2007.03 Only	✓
Brake Bleed Routine	✓
Dynamic Drive (ARS System) Service Functions	✓
Electric Steering-Column Adjustment	✓
Solar Rain / Light Fogging Sensor Initialize	✓

DSC Service Functions	✓
Active Backrest Width, Driver's Side, Initialization	✓
Active Backrest width, Passenger's Side, Initialization	✓
Enable Seat Occupancy Mat (US only)	✓
Remote Control / Key	✓

CBS / SERVICE RESET

CONTROL FUNCTION	SERVICE RESET
Engine Oil	✓
Spark Plugs (if fitted)	✓
Front Brakes	✓
Rear Brakes	✓
Brake Fluid	✓
Coolant (if fitted)	✓
Diesel Particle Filter (Diesel Engine Only, if fitted)	✓
Setting Time	✓
Brake Fluid	✓
Microfilter (if fitted)	✓
Vehicle Inspection	✓
Exhaust Emission Inspection	✓
Vehicle Check	✓

6-SERIES, F12 (Convertible) / F13 (Coupé) 2011 -

DRIVE SYSTEMS

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
DME for N55 / N63 Petrol Engine	✓	✓	✓	✓	✓	
DDE for N57 Diesel Engine	✓	✓	✓			
EGS Auto Transmission	✓	✓	✓	✓		
VTG Transfer Case	✓	✓	✓			
CAS Car Access	✓	✓	✓			
EKPS Fuel-pump	✓	✓	✓			
GWS Gear Selector Switch	✓	✓	✓			

DME adaptation, functions list: (Some functions are optional because of the default factory setting)

1: Idle speed control

2: Learning Valvetronic limit positions

CHASSIS

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
DSC Dynamic Stability Control	✓	✓	✓			
EHC Electronic Ride-Height Control	✓	✓	✓			
EMF Parking Brake	✓	✓	✓		Initialization	
AL/AFS Active Steering	✓	✓				
EDCSHL Damper Satellite, Rear Left	✓	✓	✓			
EDCSHR Damper Satellite, Rear Reft	✓	✓	✓			
EDCSVL Damper Satellite, Front Left	✓	✓	✓			

EDCSVR Damper Satellite, Front Right	✓	✓	✓			
ICM Integrated Chassis Control	✓	✓	✓			
RDC Tire Pressure Control	✓	✓	✓			
VDM Vertical Dynamics Management	✓	✓	✓			
EPS Electronic Power Steering	✓	✓	✓			
VDM Vehicle Dynamics Management	✓	✓	✓			

BODY

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
ACSM / MRS / SIM Crash Safety Module Multiple Restraint System Safety Information	✓	✓	✓			
KOMBI Instrument cluster	✓	✓	✓			
PDC Park Distance Control	✓	✓	✓			
SZL Switch Center	✓	✓				
HKL Rear-lid Lift	✓	✓			Initialization	
CID Central Information Display	✓	✓	✓			
CON Controller	✓	✓	✓			
FLA High Beam Assist	✓	✓	✓			
FRM Footwell Module	✓	✓	✓			
FZD Function Center, Roof	✓	✓	✓		Initialization	

HUD Head-up display	✓	✓	✓			
SZGM / JBE / KGM Safety and Gateway Module Junction-box Electronics Body Gateway Module	✓	✓			Initialization	
RFK Reversing Camera	✓					
SMFA Seat Module, Driver	✓	✓	✓		Initialization	
SMBF Seat Module, Passenger	✓	✓	✓		Initialization	
TCU / ULF-SBX / CBX-MEDIA Telematic control unit Interface box	✓	✓	✓			
VSW Video Switch	✓	✓	✓			
EMALI Left Electric Motor Reel	✓	✓				
EMARE Right Electric Motor Reel	✓	✓	✓			
AHM Trailer Module	✓	✓	✓			
EME Electrical Machine Electronics	✓					
FCON Rear Compartment Controller	✓	✓	✓			
AMP Amplifier	✓	✓	✓			
HSR Rear-axle Slip Angle Control	✓	✓				
KAFAS Camera Based Driver Assist Systems	✓	✓	✓			
NVE Night Vision Electronics	✓	✓	✓			
RSE Rear Seat Entertainment	✓	✓	✓			
SEC	✓					

Supplementary Control Unit						
SMFAH Seat Module, Driver's Side Rear	✓	✓	✓		Initialization	
SMBFH Seat Module, Passenger's Side Rear	✓	✓	✓		Initialization	
SME Accumulator Management Electronics	✓					
SWW Lane Change Warning	✓	✓	✓			
TRSVC All Round View Camera	✓	✓	✓			
VM Video Module Management	✓	✓	✓			
ZGM Central Gateway Module	✓	✓	✓			
FD Rear Compartment Display	✓	✓	✓			
FD2 Rear Compartment Display 2	✓	✓	✓			
DVDC DVD Changer	✓	✓	✓			
ISPB Voice Recognition System	✓					
CBX-ECALL Combox emergency call	✓	✓	✓			
PMA Parking Assistant	✓	✓	✓			

INFORMATION AND COMMUNICATION

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
CIC / CHAMP Car Information Headunit and Multimedia	✓	✓	✓			

AIR CONDITIONING

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
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IHKA Regulated Heating and A/C	✓	✓	✓			
FKA Rear heater/air conditioning	✓	✓	✓			

EQUIPMENT FUNCTION SETUP

FUNCTION	ADAPTATION
Car window initialize	✓
Sliding / Tilting Sunroof Initialize	✓
Register Battery Change	✓
AFS Initialization / Adjustment	✓
Boot Lid Initialization	✓
Normalization, Longitudinal Seat Adjustment	✓
Delete Transport Mode	✓
Parking Brake	✓
IHKA/IHKR Service Functions	✓
Brake Bleed Routine	✓
Dynamic Drive (ARS system) Service Functions	✓
Electric steering-column adjustment	✓
Integrated Chassis control (ICM) sensor system adjustment	✓
Lane change warning (SWW) sensor system initial operation	✓
Solar Rain/Light Fogging Sensor Initialize	✓
Remote Control / Key	✓
Cas/Fem-K115 (de) Activation	✓
Rear-Axle Slip-Angle Control (HSR) Service Functions	✓
Vertical Dynamics Management	✓
Lock Air Bag	✓
Drive Belt Retractor	✓
Lights	✓

CBS / SERVICE RESET

CONTROL FUNCTION	SERVICE RESET
Engine Oil	✓
Front Brakes	✓
Rear Brakes	✓
Brake Fluid	✓
Vehicle Check	✓

6-SERIES, E63 (Coupé) / E64 (Cabriolet) 2003 - 2010

DRIVE SYSTEMS

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
DME for N52 / N62 / N85 Petrol Engine	✓	✓	✓	✓	✓	
DDE for M57 Diesel Engine	✓	✓	✓			
EGS Auto Transmission	✓	✓	✓	✓		
GWS Gear Selector Switch	✓	✓	✓			
EKPS Fuel-Pump Control	✓	✓	✓			
DWA Anti-Theft Alarm	✓	✓	✓			
CAS Car Access	✓	✓	✓		✓ (DME/DDE Sync)	
VTG Transfer Case	✓	✓	✓			
VTC1 Valvetronics 1	✓					The sub-system of DME
VTC2 Valvetronics 2	✓					The sub-system of DME

DME adaptation, functions list: (Some functions are optional because of the default factory setting)

1. Idle speed control
2. Learning Valvetronic limit positions
3. CO Adjustment
4. Consumption Indicator
5. Minimum Stroke Adjustment

CHASSIS

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
DSC Dynamic Stability Control	✓	✓	✓			
AL / AFS Active Steering	✓	✓				
RDC	✓	✓	✓			

Tire Pressure Control						
ACC / LRR Active Cruise Control Long-Range Sensor	✓					
ARS Dynamic Drive	✓	✓	✓			
EDC Damper Control	✓	✓	✓			
LDM Longitudinal Dynamics Management	✓	✓				

BODY

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
SBSL SRS / Airbag, B-Pillar Left	✓	✓				
SBSR SRS / Airbag, B-Pillar Right	✓	✓				
SFZ SRS / Airbag, Vehicle Center	✓	✓				
ACSM / MRS / SIM Crash Safety Module / Safety Info	✓	✓				
KOMBI Instrument cluster	✓	✓	✓			
PDC Park Distance Control	✓	✓	✓			
FZD Function Center, Roof	✓	✓	✓			
SMFA Seat Module, Driver	✓	✓	✓			
SMBF Seat Module, Passenger	✓	✓	✓			
SHD Sliding / Tilting Sunroof	✓	✓	✓			
FRM / KBM Footwell / Body Basic Module	✓	✓	✓			
LM Light Module	✓	✓	✓			

SZL Switch Center	✓	✓	✓		Initialization	
SZM Control Centre	✓	✓	✓			
TMFA Driver Door	✓	✓	✓			
TMBF Passenger Door	✓	✓	✓			
FLA High Beam Assist	✓	✓	✓			
AHM Trailer Module	✓	✓	✓			
SINE Siren with Tilt Sensor	✓	✓				
AHM Trailer Module	✓					
ALBFA Active Backrest Width, Driver	✓	✓	✓			
ALBBF Active Backrest Width, Passenger	✓	✓	✓			
RLS Rain Sensor	✓	✓				
CVM / CTM Convertible Top	✓	✓				

INFORMATION AND COMMUNICATION

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
SZGM / JBE / KGM Safety and Gateway Module Junction-Box Electronics Body Gateway Module	✓	✓	✓			
CDC CD Changer	✓		✓			
DVDC DVD Changer	✓		✓			
CCC-ASK Audio System	✓	✓	✓			

CCC-ANT Antenna Tuner	✓					
CD / RAD / MBO / CCC-BO / CHAMP-BO / M-ASK-BO Control Display / User Interface	✓	✓	✓			
CD-GW / M-ASK-GW / RAD2GW / CCC-GW / CHAMP-GW Gateway	✓	✓	✓			
CID Central Information Display	✓	✓	✓			
CON Controller	✓	✓	✓			
TCU / ULF Telephone Control Unit / Universal Bluetooth Hands-Free System	✓	✓	✓			
AMP Amplifier	✓	✓	✓			
CCC-A Applications	✓	✓	✓			
HUD Head-up Display	✓	✓	✓			
CA Comfort Access	✓	✓				
DAB Digital Tuner	✓					
KHM / KHI Headphones Module Headset Interface	✓					
NVK Night Vision Camera	✓					
NVE Night Vision Electronics	✓	✓	✓			
SHZH Independent / Auxiliary Heater	✓					
SVS Language Processing System	✓					
VM Video Module	✓	✓	✓			

MASK-NAV / CNAV / JNAV / KNAV Navigation System	✓	✓	✓			
SDARS Satellite Tuner	✓	✓	✓			
IBOC Digital Tuner US	✓	✓	✓			
PM Power Module	✓	✓	✓			

AIR CONDITIONING

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
IHKA / IHKR Regulated Heating and A/C	✓	✓	✓			

EQUIPMENT FUNCTION SETUP

FUNCTION	ADAPTATION
Car window initialize	✓
Sliding / Tilting Sunroof Initialize	✓
Register Battery Change	✓
Steering Angle	✓
AFS Initialization / Adjustment	✓
Boot lid initialization	✓
Normalization, Longitudinal Seat Adjustment	✓
Delete Transport Mode	✓
Parking Brake	✓
CAS Service Functions	✓
IHKA / IHKR Service Functions	✓
SMG Transmission Control (Adjustment / Initialization) Before 2007.03 Only	✓
Brake Bleed Routine	✓
Dynamic Drive (ARS System) Service Functions	✓
Electric Steering-Column Adjustment	✓
Solar Rain / Light Fogging Sensor Initialize	✓

DSC Service Functions	✓
Active Backrest Width, Driver's Side, Initialization	✓
Active Backrest width, Passenger's Side, Initialization	✓
Enable Seat Occupancy Mat (US only)	✓
Remote Control / Key	✓

CBS / SERVICE RESET

CONTROL FUNCTION	SERVICE RESET
Engine Oil	✓
Spark Plugs (if fitted)	✓
Front Brakes	✓
Rear Brakes	✓
Brake Fluid	✓
Coolant (if fitted)	✓
Diesel Particle Filter (Diesel Engine Only, if fitted)	✓
Setting Time	✓
Brake Fluid	✓
Microfilter (if fitted)	✓
Vehicle Inspection	✓
Exhaust Emission Inspection	✓
Vehicle Check	✓

8-SERIES, E31 1989 - 1999

DRIVE SYSTEMS

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
DME Petrol Engine	✓	✓	✓	✓	✓	
DDE Diesel Engine	✓	✓	✓	✓	✓	
EGS Auto Transmission	✓	✓	✓	✓		
EML Electric Throttle	✓	✓				
EWS Immobilizer	✓	✓			✓ (DME/DDE Sync)	

DME clear adaption / adaption, functions list: (Some functions are optional because of the default factory setting)

1. All adaption

DDE adaption, functions list: (Some functions are optional because of the default factory setting)

1. Idle speed control

CHASSIS

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
ABS / ASC / DSC Automatic Stability Control Dynamic Stability Control	✓	✓	✓			
EHC Electronic Ride-Height Control	✓	✓	✓			

BODY

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
SRS Airbag	✓	✓				
IKE / IKI / KOMBI Instrument cluster	✓	✓	✓			
LCM / LSZ Light Check Module	✓	✓	✓			

ZKE Central Body System	✓	✓	✓			
EKM Electric Body Module	✓					

INFORMATION AND COMMUNICATION

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
MID Multi-Information Display	✓					

AIR CONDITIONING

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
IHKA / IHKR Regulated Heating and A/C	✓	✓	✓			

X6-SERIES, E71 / E72 (ActiveHybrid) 2008-

DRIVE SYSTEMS

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
DME Petrol Engine	✓	✓	✓	✓	✓	
DDE DieselEngine	✓	✓	✓			
EGS Auto Transmission	✓	✓	✓	✓		
VTG Transfer Case	✓	✓	✓			
CAS Car Access	✓	✓	✓			
EKPS Fuel-pump	✓	✓	✓			
GWS Gear Selector Switch	✓	✓	✓			
QMVH Lateral-Moment Distribution, Rear Axle	✓	✓	✓			

DME adaptation, functions list: (Some functions are optional because of the default factory setting)

1: Idle speed control

2: Learning Valvetronic limit positions

CHASSIS

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
DSC Dynamic Stability Control	✓	✓	✓			
EHC Electronic Ride-Height Control	✓	✓	✓			
EMF Parking Brake	✓	✓	✓		Initialization	
AL/AFS Active Steering	✓	✓				
EDCSHL Damper Satellite, Rear Left	✓	✓	✓			
EDCSHR	✓	✓	✓			

Damper Satellite, Rear Reft						
EDCSVL Damper Satellite, Front Left	✓	✓	✓			
EDCSVR Damper Satellite, Front Right	✓	✓	✓			
ICM / LDM Integrated Chassis Control	✓	✓	✓			
RDC Tire Pressure Control	✓	✓	✓			
VDM Vertical Dynamics Management	✓	✓	✓			
ARS Dynamic Drive	✓	✓	✓			

BODY

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
ACSM / MRS / SIM Crash Safety Module Multiple Restraint System Safety Information	✓	✓	✓			
KOMBI Instrument cluster	✓	✓	✓			
PDC Park Distance Control	✓	✓	✓			
FZD Function Center	✓	✓	✓			
HKL Rear-lid Lift	✓	✓			Initialization	
RLS / AIC Rain / Light Sensor	✓	✓	✓			
FLA High Beam Assist	✓	✓	✓			
FRM / KBM Footwell Module	✓	✓	✓			
RFK Reversing Camera	✓					
SMFA Seat Module, Driver	✓	✓	✓		Initialization	

SMBF Seat Module, Passenger	✓	✓	✓		Initialization	
AHM Trailer Module	✓	✓	✓			
TRSVC All Round View Camera	✓	✓	✓			
SINE Siren With Tilt Sensor	✓	✓				

INFORMATION AND COMMUNICATION

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
SZGM / JBE / KGM Safety and Gateway Module Junction-Box Electronics Body Gateway Module	✓	✓	✓			
CDC CD Changer	✓		✓			
DVDC DVD Changer	✓		✓			
CCC-ASK Audio System	✓	✓	✓			
CCC-ANT Antenna Tuner	✓					
CD / RAD / MBO / CCC-BO / CHAMP-BO / M-ASK-BO Control Display / User Interface	✓	✓	✓			
CD-GW / M-ASK-GW / RAD2GW / CCC-GW / CHAMP-GW Gateway	✓	✓	✓			
CID Cnetral Information Display	✓	✓	✓			
CON Controller	✓	✓	✓			
TCU / ULF-SBX Telephone Control Unit / Universal Bluetooth Hands-Free System	✓	✓	✓			
ULF-SBX	✓	✓	✓			

Interface Box						
AMP Amplifier	✓	✓	✓			
CCC-A Applications	✓	✓	✓			
HUD Head-up Display	✓	✓	✓			
CA Comfort Access	✓	✓				
DAB Digital Tuner	✓					
KHM / KHI Headphones Module Headset Interface	✓					
VSW Video Switch	✓	✓	✓			
FD Rear-Cabin Display	✓					
VM Video Module	✓	✓	✓			
MASK-NAV / CNAV / JNAV / KNAV Navigation System	✓	✓	✓			
SDARS Satellite Tuner	✓	✓	✓			
IBOC Digital Tuner US	✓	✓	✓			
RSE Rear Seat Entertainment	✓	✓	✓			

AIR CONDITIONING

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
IHKA Regulated Heating and A/C	✓	✓	✓			
FKA Rear heater/air conditioning	✓	✓	✓			

EQUIPMENT FUNCTION SETUP

FUNCTION	ADAPTATION
Car window initialize	✓
Sliding / Tilting Sunroof Initialize	✓
Register Battery Change	✓
AFS Initialization / Adjustment	✓
Boot Lid Initialization	✓
Normalization, Longitudinal Seat Adjustment	✓
Delete Transport Mode	✓
Parking Brake	✓
IHKA/IHKR Service Functions	✓
Brake Bleed Routine	✓
Dynamic Drive (ARS system) Service Functions	✓
Electric steering-column adjustment	✓
Integrated Chassis control (ICM) sensor system adjustment	✓
Lane change warning (SWW) sensor system initial operation	✓
Solar Rain/Light Fogging Sensor Initialize	✓
Remote Control / Key	✓
Cas/Fem-KI15 (de) Activation	✓
Rear-Axle Slip-Angle Control (HSR) Service Functions	✓
Vertical Dynamics Management	✓
Lock Air Bag	✓
Drive Belt Retractor	✓
Lights	✓

CBS / SERVICE RESET

CONTROL FUNCTION	SERVICE RESET
Engine Oil	✓
Front Brakes	✓
Rear Brakes	✓

Specification

Brake Fluid	✓
Vehicle Check	✓

X5-SERIES, E70 2007-

DRIVE SYSTEMS

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
DME for N52 / N55 / N62 / N63 / S63 Petrol Engine	✓	✓	✓	✓	✓	
DDE for M57 Diesel Engine	✓	✓	✓			
EGS Auto Transmission	✓	✓	✓	✓		
VTG Transfer Case	✓	✓	✓			
CAS Car Access	✓	✓	✓			
EKPS Fuel-pump	✓	✓	✓			
GWS Gear Selector Switch	✓	✓	✓			
QMVH Lateral-Moment Distribution, Rear Axle	✓	✓	✓			

DME adaptation, functions list: (Some functions are optional because of the default factory setting)

1: Idle speed control

2: Learning Valvetronic limit positions

CHASSIS

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
DSC Dynamic Stability Control	✓	✓	✓			
EHC Electronic Ride-Height Control	✓	✓	✓			
EMF Parking Brake	✓	✓	✓		Initialization	
AL/AFS Active Steering	✓	✓				
EDCSHL Damper Satellite, Rear Left	✓	✓	✓			

EDCSHR Damper Satellite, Rear Reft	✓	✓	✓			
EDCSVL Damper Satellite, Front Left	✓	✓	✓			
EDCSVR Damper Satellite, Front Right	✓	✓	✓			
ICM / LDM Integrated Chassis Control	✓	✓	✓			
RDC Tire Pressure Control	✓	✓	✓			
VDM Vertical Dynamics Management	✓	✓	✓			
ARS Dynamic Drive	✓	✓	✓			

BODY

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
ACSM / MRS / SIM Crash Safety Module Multiple Restraint System Safety Information	✓	✓	✓			
KOMBI Instrument cluster	✓	✓	✓			
PDC Park Distance Control	✓	✓	✓			
FZD Function Center	✓	✓	✓			
HKL Rear-lid Lift	✓	✓			Initialization	
RLS / AIC Rain / Light Sensor	✓	✓	✓			
FLA High Beam Assist	✓	✓	✓			
FRM / KBM Footwell Module	✓	✓	✓			
RFK Reversing Camera	✓					
SMFA	✓	✓	✓		Initialization	

Seat Module, Driver						
SMBF Seat Module, Passenger	✓	✓	✓		Initialization	
AHM Trailer Module	✓	✓	✓			
TR SVC All Round View Camera	✓	✓	✓			
SINE Siren With Tilt Sensor	✓	✓				

INFORMATION AND COMMUNICATION

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
SZGM / JBE / KGM Safety and Gateway Module Junction-Box Electronics Body Gateway Module	✓	✓	✓			
CDC CD Changer	✓		✓			
DVDC DVD Changer	✓		✓			
CCC-ASK Audio System	✓	✓	✓			
CCC-ANT Antenna Tuner	✓					
CD / RAD / MBO / CCC-BO / CHAMP-BO / M-ASK-BO Control Display / User Interface	✓	✓	✓			
CD-GW / M-ASK-GW / RAD2GW / CCC-GW / CHAMP-GW Gateway	✓	✓	✓			
CID Cnetral Information Display	✓	✓	✓			
CON Controller	✓	✓	✓			
TCU / ULF-SBX Telephone Control Unit / Universal Bluetooth Hands-Free System	✓	✓	✓			

ULF-SBX Interface Box	✓	✓	✓			
AMP Amplifier	✓	✓	✓			
CCC-A Applications	✓	✓	✓			
HUD Head-up Display	✓	✓	✓			
CA Comfort Access	✓	✓				
DAB Digital Tuner	✓					
KHM / KHI Headphones Module Headset Interface	✓					
VSW Video Switch	✓	✓	✓			
FD Rear-Cabin Display	✓					
VM Video Module	✓	✓	✓			
MASK-NAV / CNAV / JNAV / KNAV Navigation System	✓	✓	✓			
SDARS Satellite Tuner	✓	✓	✓			
IBOC Digital Tuner US	✓	✓	✓			
RSE Rear Seat Entertainment	✓	✓	✓			

AIR CONDITIONING

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
IHKA Regulated Heating and A/C	✓	✓	✓			
FKA Rear heater/air conditioning	✓	✓	✓			

EQUIPMENT FUNCTION SETUP

FUNCTION	ADAPTATION
Car window initialize	✓
Sliding / Tilting Sunroof Initialize	✓
Register Battery Change	✓
AFS Initialization / Adjustment	✓
Boot Lid Initialization	✓
Normalization, Longitudinal Seat Adjustment	✓
Delete Transport Mode	✓
Parking Brake	✓
IHKA/IHKR Service Functions	✓
Brake Bleed Routine	✓
Dynamic Drive (ARS system) Service Functions	✓
Electric steering-column adjustment	✓
Integrated Chassis control (ICM) sensor system adjustment	✓
Lane change warning (SWW) sensor system initial operation	✓
Solar Rain/Light Fogging Sensor Initialize	✓
Remote Control / Key	✓
Cas/Fem-KI15 (de) Activation	✓
Rear-Axle Slip-Angle Control (HSR) Service Functions	✓
Vertical Dynamics Management	✓
Lock Air Bag	✓
Drive Belt Retractor	✓
Lights	✓

CBS / SERVICE RESET

CONTROL FUNCTION	SERVICE RESET
Engine Oil	✓
Front Brakes	✓

Specification

Rear Brakes	✓
Brake Fluid	✓
Vehicle Check	✓

X5-SERIES, E53 2006- 2003

DRIVE SYSTEMS

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
DME for M54 / M62 / N62 Petrol Engine	✓	✓	✓	✓	✓	
DDE for M57 Diesel Engine	✓	✓	✓	✓	✓	
EGS / AGS Auto Transmission	✓	✓	✓	✓		
EWS Immobilizer	✓	✓			✓ (DME/DDE Sync)	
GR2 Cruise Control	✓					
VTG Transfer Case	✓	✓	✓			

DME clear adaption / adaption, functions list: (Some functions are optional because of the default factory setting)

1. All adaption

DDE adaption, functions list: (Some functions are optional because of the default factory setting)

1. Idle speed control

CHASSIS

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
ABS / ASC / DSC Automatic Stability Control Dynamic Stability Control	✓	✓	✓			
EHC Electronic Ride-Height Control	✓	✓	✓			
RDC Tyre Pressure	✓	✓	✓			

BODY

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
SRS Airbag	✓	✓				
IKE / IKI / KOMBI	✓	✓	✓			

Instrument cluster						
PDC Park Distance Control	✓	✓	✓			
LCM / LSZ Light Check Module	✓	✓	✓			
ZKE Central Body System	✓	✓	✓			
SZM Switching Center	✓	✓	✓			
XENON, Left Left Xenon	✓	✓				
XENON, Right Right Xenon	✓	✓				
AIC / RLS Rain / Light Sensor	✓	✓				
MFL Multi-functional Steering Wheel		✓				
SHD Sunroof	✓	✓	✓			
SM Seat Memory	✓	✓	✓			
BSM Seat Memory, Passenger Side		✓				
CCM Check Control		✓				
FBZV Remote Control for Central Lock		✓				
HKM Trunk Lid Module		✓				
SBE2 Seat Occupation Detection		✓				
SPMBT Mirror Memory, Passenger Side		✓				
SPMFT Mirror Memory, Driver Side		✓				
STH Additional Heater		✓				
LWS		✓				

Steering Angle						
ELV Electric Steering		✓				
LRA Headlight Vertical Aim Control	✓	✓	✓			
AHL Adaptive Directinal Headlights	✓	✓	✓			

INFORMATION AND COMMUNICATION

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
RAD Radio	✓	✓	✓			
BIT Basis-Interface Telephone	✓	✓	✓			
BMBT On-Board Monitor	✓					
DSP DSP-booster	✓					
MID Multi-Information Display	✓					
FID Rear Multi-Information Display	✓					
IRIS Integrated Radio Information	✓					
NAV Navigation System	✓					
NAV JAP Navigation System, Japanese	✓		✓			
VIDEO_GT Video Module Graphics Part	✓					
VIDEO_TV / VID Video Module, TV	✓					
SES Voice Recognition	✓		✓			

AIR CONDITIONING

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
IHKA / IHKR Regulated Heating and A/C	✓	✓	✓			
FGB Rear Compartment Blower	✓	✓	✓			

X3-SERIES, F25 2010 -

DRIVE SYSTEMS

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
DME for N20 / N53 / N55 Petrol Engine	✓	✓	✓	✓	✓	
DDE for N47 / N57 Diesel Engine	✓	✓	✓			
EGS Auto Transmission	✓	✓	✓	✓		
VTG Transfer Case	✓	✓	✓			
CAS Car Access	✓	✓	✓			
EKPS Fuel-pump	✓	✓	✓			
GWS Gear Selector Switch	✓	✓	✓			

DME adaptation, functions list: (Some functions are optional because of the default factory setting)

1: Idle speed control

2: Learning Valvetronic limit positions

CHASSIS

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
DSC Dynamic Stability Control	✓	✓	✓			
EHC Electronic Ride-Height Control	✓	✓	✓			
EMF Parking Brake	✓	✓	✓		Initialization	
AL/AFS Active Steering	✓	✓				
EDCSHL Damper Satellite, Rear Left	✓	✓	✓			
EDCSHR Damper Satellite, Rear Reft	✓	✓	✓			
EDCSVL Damper Satellite, Front Left	✓	✓	✓			

EDCSVR Damper Satellite, Front Right	✓	✓	✓			
ICM Integrated Chassis Control	✓	✓	✓			
RDC Tire Pressure Control	✓	✓	✓			
VDM Vertical Dynamics Management	✓	✓	✓			
EPS Electronic Power Steering	✓	✓	✓			
VDM Vehicle Dynamics Management	✓	✓	✓			

BODY

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
ACSM / MRS / SIM Crash Safety Module Multiple Restraint System Safety Information	✓	✓	✓			
KOMBI Instrument cluster	✓	✓	✓			
PDC Park Distance Control	✓	✓	✓			
SZL Switch Center	✓	✓				
HKL Rear-lid Lift	✓	✓			Initialization	
CID Central Information Display	✓	✓	✓			
CON Controller	✓	✓	✓			
FLA High Beam Assist	✓	✓	✓			
FRM Footwell Module	✓	✓	✓			
FZD Function Center, Roof	✓	✓	✓		Initialization	

HUD Head-up display	✓	✓	✓			
SZGM / JBE / KGM Safety and Gateway Module Junction-box Electronics Body Gateway Module	✓	✓			Initialization	
RFK Reversing Camera	✓					
SMFA Seat Module, Driver	✓	✓	✓		Initialization	
SMBF Seat Module, Passenger	✓	✓	✓		Initialization	
TCU / ULF-SBX / CBX-MEDIA Telematic control unit Interface box	✓	✓	✓			
VSW Video Switch	✓	✓	✓			
EMALI Left Electric Motor Reel	✓	✓				
EMARE Right Electric Motor Reel	✓	✓	✓			
AHM Trailer Module	✓	✓	✓			
EME Electrical Machine Electronics	✓					
FCON Rear Compartment Controller	✓	✓	✓			
AMP Amplifier	✓	✓	✓			
HSR Rear-axle Slip Angle Control	✓	✓				
KAFAS Camera Based Driver Assist Systems	✓	✓	✓			
NVE Night Vision Electronics	✓	✓	✓			
RSE Rear Seat Entertainment	✓	✓	✓			
SEC	✓					

Supplementary Control Unit						
SMFAH Seat Module, Driver's Side Rear	✓	✓	✓		Initialization	
SMBFH Seat Module, Passenger's Side Rear	✓	✓	✓		Initialization	
SME Accumulator Management Electronics	✓					
SWW Lane Change Warning	✓	✓	✓			
TRSVC All Round View Camera	✓	✓	✓			
VM Video Module Management	✓	✓	✓			
ZGM Central Gateway Module	✓	✓	✓			
FD Rear Compartment Display	✓	✓	✓			
FD2 Rear Compartment Display 2	✓	✓	✓			
DVDC DVD Changer	✓	✓	✓			
ISPB Voice Recognition System	✓					
CBX-ECALL Combox emergency call	✓	✓	✓			
PMA Parking Assistant	✓	✓	✓			

INFORMATION AND COMMUNICATION

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
CIC / CHAMP Car Information Headunit and Multimedia	✓	✓	✓			

AIR CONDITIONING

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
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IHKA Regulated Heating and A/C	✓	✓	✓			
FKA Rear heater/air conditioning	✓	✓	✓			

EQUIPMENT FUNCTION SETUP

FUNCTION	ADAPTATION
Car window initialize	✓
Sliding / Tilting Sunroof Initialize	✓
Register Battery Change	✓
AFS Initialization / Adjustment	✓
Boot Lid Initialization	✓
Normalization, Longitudinal Seat Adjustment	✓
Delete Transport Mode	✓
Parking Brake	✓
IHKA/IHKR Service Functions	✓
Brake Bleed Routine	✓
Dynamic Drive (ARS system) Service Functions	✓
Electric steering-column adjustment	✓
Integrated Chassis control (ICM) sensor system adjustment	✓
Lane change warning (SWW) sensor system initial operation	✓
Solar Rain/Light Fogging Sensor Initialize	✓
Remote Control / Key	✓
Cas/Fem-K115 (de) Activation	✓
Rear-Axle Slip-Angle Control (HSR) Service Functions	✓
Vertical Dynamics Management	✓
Lock Air Bag	✓
Drive Belt Retractor	✓
Lights	✓

CBS / SERVICE RESET

CONTROL FUNCTION	SERVICE RESET
Engine Oil	✓
Front Brakes	✓
Rear Brakes	✓
Brake Fluid	✓
Vehicle Check	✓

X3-SERIES, E83 2003- 2010

DRIVE SYSTEMS

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
DME for M54 / N46 / N52 Petrol Engine	✓	✓	✓	✓	✓	
DDE for N47 / M47 / M57 Diesel Engine	✓	✓	✓	✓	✓	
EGS / AGS Auto Transmission	✓	✓	✓	✓		
EWS Immobilizer	✓	✓			✓ (DME/DDE Sync)	
GR2 Cruise Control	✓					
VTG Transfer Case	✓	✓	✓			
EKPS Fuel-Pump Control	✓	✓	✓			

DME clear adaption / adaption, functions list: (Some functions are optional because of the default factory setting)

1. All adaption

DDE adaption, functions list: (Some functions are optional because of the default factory setting)

1. Idle speed control

CHASSIS

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
ABS / ASC / DSC Automatic Stability Control Dynamic Stability Control	✓	✓	✓			
EHC Electronic Ride-Height Control	✓	✓	✓			
RDC Tyre Pressure	✓	✓	✓			
LWS / LEW Steering Angle Sensor	✓					

BODY

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
SRS Airbag	✓	✓				
IKE / IKI / KOMBI Instrument cluster	✓	✓	✓			
PDC Park Distance Control	✓	✓	✓			
LCM / LM Light Check Module	✓	✓	✓			
ZKE Central Body System	✓	✓	✓			
SZM Switching Center	✓	✓	✓			
XENON, Left Left Xenon	✓	✓				
XENON, Right Right Xenon	✓	✓				
AIC / RLS Rain / Light Sensor	✓	✓				
MFL Multi-functional Steering Wheel		✓				
SHD Sunroof	✓	✓	✓			
SM Seat Memory	✓	✓	✓			
SMF Seat Memory, Driver Side		✓				
SMB Seat Memory, Passenger Side		✓				
CCM Check Control		✓				
FBZV Remote Control for Central Lock		✓				
HKM Trunk Lid Module		✓				
SBE2 Seat Occupation Detection		✓				

SPMBT Mirror Memory, Passenger Side		✓				
SPMFT Mirror Memory, Driver Side		✓				
STH Additional Heater		✓				
LWS Steering Angle		✓				
ELV Electric Steering		✓				
LRA Headlight Vertical Aim Control	✓	✓	✓			
AHL Adaptive Directinal Headlights	✓	✓	✓			

INFORMATION AND COMMUNICATION

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
RAD Radio	✓	✓	✓			
BIT Basis-Interface Telephone	✓	✓	✓			
BMBT On-Board Monitor	✓					
DSP DSP-booster	✓					
MID Multi-Information Display	✓					
FID Rear Multi-Information Display	✓					
IRIS Integrated Radio Information	✓					
NAV Navigation System	✓					
NAV JAP Navigation System, Japanese	✓		✓			
VIDEO_GT Video Module Graphics Part	✓					

VIDEO_TV / VID Video Module, TV	✓					
SES Voice Recognition	✓		✓			

AIR CONDITIONING

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
IHKA / IHKR Regulated Heating and A/C	✓	✓	✓			
FGB Rear Compartment Blower	✓	✓	✓			

X1-SERIES, E84 2009 -

DRIVE SYSTEMS

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
DME Petrol Engine	✓	✓	✓	✓	✓	
DDE Diesel Engine	✓	✓	✓			
EGS Auto Transmission	✓	✓	✓	✓		
EKPS Fuel-Pump Control	✓	✓	✓			
CAS Car Access	✓	✓	✓		✓ (DME/DDE Sync)	
VTG Transfer Case	✓	✓	✓			

DME adaptation, functions list: (Some functions are optional because of the default factory setting)

1. Idle speed control
2. Learning Valvetronic limit positions
3. CO Adjustment
4. Consumption Indicator
5. Minimum Stroke Adjustment

CHASSIS

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
DSC Dynamic Stability Control	✓	✓	✓			

BODY

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
ACSM / MRS / SIM Crash Safety Module / Safety Info	✓	✓				
KOMBI Instrument cluster	✓	✓	✓			
PDC Park Distance Control	✓	✓	✓			
FZD	✓	✓	✓			

Function Center, Roof						
SMFA Seat Module, Driver	✓	✓	✓			
SMBF Seat Module, Passenger	✓	✓	✓			
ULF-SBX-H Interface Box, High Version	✓	✓	✓			
FRM / KBM Footwell / Body Basic Module	✓	✓	✓			
FLA High Beam Assist	✓	✓	✓			
AHM Trailer Module	✓					
RLS Rain Sensor	✓	✓				

INFORMATION AND COMMUNICATION

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
SZGM / JBE / KGM Safety and Gateway Module Junction-Box Electronics Body Gateway Module	✓	✓	✓			
CDC CD Changer	✓		✓			
CD / RAD / MBO / CCC-BO / CHAMP-BO / M-ASK-BO Control Display / User Interface	✓	✓	✓			
CD-GW / M-ASK-GW / RAD2GW / CCC-GW / CHAMP-GW Gateway	✓	✓	✓			
CID Cnetral Information Display	✓	✓	✓			
CON Controller	✓	✓	✓			
TCU / ULF Telephone Control Unit / Universal Bluetooth Hands-Free System	✓	✓	✓			

AMP Amplifier	✓	✓	✓			
CA Comfort Access	✓	✓				
DAB Digital Tuner	✓					

AIR CONDITIONING

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
IHKA / IHKR Regulated Heating and A/C	✓	✓	✓			

EQUIPMENT FUNCTION SETUP

FUNCTION	ADAPTATION
Car window initialize	✓
Sliding / Tilting Sunroof Initialize	✓
Register Battery Change	✓
Steering Angle	✓
AFS Initialization / Adjustment	✓
Boot lid initialization	✓
Normalization, Longitudinal Seat Adjustment	✓
Delete Transport Mode	✓
Parking Brake	✓
CAS Service Functions	✓
IHKA / IHKR Service Functions	✓
SMG Transmission Control (Adjustment / Initialization) Before 2007.03 Only	✓
Brake Bleed Routine	✓
Dynamic Drive (ARS System) Service Functions	✓
Electric Steering-Column Adjustment	✓
Solar Rain / Light Fogging Sensor Initialize	✓
DSC Service Functions	✓
Active Backrest Width, Driver's Side, Initialization	✓

Specification

Active Backrest width, Passenger's Side, Initialization	✓
Enable Seat Occupancy Mat (US only)	✓
Remote Control / Key	✓

CBS / SERVICE RESET

CONTROL FUNCTION	SERVICE RESET
Engine Oil	✓
Spark Plugs (if fitted)	✓
Front Brakes	✓
Rear Brakes	✓
Brake Fluid	✓
Coolant (if fitted)	✓
Diesel Particle Filter (Diesel Engine Only, if fitted)	✓
Setting Time	✓
Brake Fluid	✓
Microfilter (if fitted)	✓
Vehicle Inspection	✓
Exhaust Emission Inspection	✓
Vehicle Check	✓

Z4-SERIES, E89 2009 -

DRIVE SYSTEMS

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
DME for N20 / N52 / N54 Petrol Engine	✓	✓	✓	✓	✓	
EGS Auto Transmission	✓	✓	✓	✓		
GWS Gear Selector Switch	✓	✓	✓			
EKPS Fuel-Pump Control	✓	✓	✓			
DWA Anti-Theft Alarm	✓	✓	✓			
CAS Car Access	✓	✓	✓		✓ (DME/DDE Sync)	

DME adaptation, functions list: (Some functions are optional because of the default factory setting)

1. Idle speed control
2. Learning Valvetronic limit positions
3. CO Adjustment
4. Consumption Indicator
5. Minimum Stroke Adjustment

CHASSIS

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
DSC Dynamic Stability Control	✓	✓	✓			
RDC Tire Pressure	✓	✓	✓			
EPS Electric Power Steering	✓	✓	✓			
EMF Parking Brake	✓	✓	✓			
EDC Damper Control	✓	✓	✓			

BODY

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
ACSM / MRS / SIM Crash Safety Module Multiple Restraint System Safety Information	✓	✓	✓			
KOMBI Instrument cluster	✓	✓	✓			
PDC Park Distance Control	✓	✓	✓			
SMFA Seat Module, Driver	✓	✓	✓		Initialization	
SMBF Seat Module, Passenger	✓	✓	✓		Initialization	
CVM / CTM Convertible Top	✓	✓				
FRM / KBM Footwell Module	✓	✓	✓			
SZGM / JBE / KGM Safety and Gateway Module Junction-box Electronics Body Gateway Module	✓	✓			Initialization	
FLA High Beam Assist	✓	✓	✓			
RLS Rain Sensor	✓	✓				
SINE Siren with Tilt Sensor	✓	✓				

INFORMATION AND COMMUNICATION

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
CDC CD Changer	✓		✓			
DVDC DVD Changer	✓		✓			
CD / RAD / MBO / CCC-BO / CHAMP-BO / M-ASK-BO	✓	✓	✓			

Control Display / User Interface						
CD-GW / M-ASK-GW / RAD2GW / CCC-GW / CHAMP-GW Gateway	✓	✓	✓			
CID Cnetral Information Display	✓	✓	✓			
CON Controller	✓	✓	✓			
TCU / ULF Telephone Control Unit / Universal Bluetooth Hands-Free System	✓	✓	✓			
AMP Amplifier	✓	✓	✓			
CA Comfort Access	✓	✓				
DAB Digital Tuner	✓					
VM Video Module	✓	✓	✓			
MASK-NAV / CNAV / JNAV / KNAV Navigation System	✓	✓	✓			
ULF-SBX-H Interface box, High Version	✓	✓	✓			

AIR CONDITIONING

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
IHKA / IHKR Regulated Heating and A/C	✓	✓	✓			

EQUIPMENT FUNCTION SETUP

FUNCTION	ADAPTATION
Car window initialize	✓
Sliding / Tilting Sunroof Initialize	✓
Register Battery Change	✓

Steering Angle	✓
AFS Initialization / Adjustment	✓
Boot lid initialization	✓
Normalization, Longitudinal Seat Adjustment	✓
Delete Transport Mode	✓
Parking Brake	✓
CAS Service Functions	✓
IHKA / IHKR Service Functions	✓
SMG Transmission Control (Adjustment / Initialization) Before 2007.03 Only	✓
Brake Bleed Routine	✓
Dynamic Drive (ARS System) Service Functions	✓
Electric Steering-Column Adjustment	✓
Solar Rain / Light Fogging Sensor Initialize	✓
DSC Service Functions	✓
Active Backrest Width, Driver's Side, Initialization	✓
Active Backrest width, Passenger's Side, Initialization	✓
Enable Seat Occupancy Mat (US only)	✓
Remote Control / Key	✓

CBS / SERVICE RESET

CONTROL FUNCTION	SERVICE RESET
Engine Oil	✓
Spark Plugs (if fitted)	✓
Front Brakes	✓
Rear Brakes	✓
Brake Fluid	✓
Coolant (if fitted)	✓
Diesel Particle Filter (Diesel Engine Only, if fitted)	✓
Setting Time	✓
Brake Fluid	✓

Specification

Microfilter (if fitted)	✓
Vehicle Inspection	✓
Exhaust Emission Inspection	✓
Vehicle Check	✓

Z4-SERIES, E85(roadster) / E86 (Coupé) 2002 - 2011

DRIVE SYSTEMS

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
DME Petrol Engine	✓	✓	✓	✓	✓	
EGS Auto Transmission	✓	✓	✓	✓		
EWS Immobilizer	✓	✓			✓ (DME/DDE Sync)	

CHASSIS

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
ABS / ASC / DSC Automatic Stability Control Dynamic Stability Control	✓	✓	✓			

BODY

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
SBSL SRS / Airbag, B-Pillar Left	✓	✓				
SBSR SRS / Airbag, B-Pillar Right	✓	✓				
STVL SRS / Airbag, Front Left Door	✓	✓				
STVR SRS / Airbag, Front Right Door	✓	✓				
ACSM / MRS / SIM Crash Safety Module Multiple Restraint System Safety Information	✓	✓	✓			
IKE / IKI / KOMBI Instrument cluster	✓	✓	✓			
LCM / LSZ Light Check Module	✓	✓	✓			
ZKE Central Body System	✓	✓	✓			

CVM / CTM Convertible Top	✓	✓				
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INFORMATION AND COMMUNICATION

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
SIM Safety & Information	✓	✓	✓			

AIR CONDITIONING

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
IHKA / IHKR Regulated Heating and A/C	✓	✓	✓			

Z3-SERIES, E36/4 1996 - 2002

DRIVE SYSTEMS

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
DME Petrol Engine	✓	✓	✓	✓	✓	
EGS Auto Transmission	✓	✓	✓	✓		
EWS Immobilizer	✓	✓			✓ (DME/DDE Sync)	
GR2 Cruise Control	✓					
TOENS Thermal Oil Level Sensor	✓					

DME clear adaption / adaption, functions list: (Some functions are optional because of the default factory setting)

1. All adaption

CHASSIS

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
ABS / ASC / DSC Automatic Stability Control Dynamic Stability Control	✓	✓	✓			

BODY

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
SRS Airbag	✓	✓				
IKE / IKI / KOMBI Instrument cluster	✓	✓	✓			
ZKE Central Body System	✓	✓	✓			
CVM Convertible Top	✓	✓				
PDC Park Distance	✓	✓	✓			
LWS Steering Angle	✓					

LCM / LSZ Light Check Module	✓	✓	✓			
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INFORMATION AND COMMUNICATION

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
RAD Radio	✓	✓	✓			
BMBT On-Board Monitor	✓					
MID Multi-Information Display	✓					
IRIS Integrated Radio Information	✓					

AIR CONDITIONING

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
IHKA / IHKR Regulated Heating and A/C	✓	✓	✓			

Z8-SERIES, E52 1999- 2003

DRIVE SYSTEMS

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
DME for S62 Petrol Engine	✓	✓	✓	✓	✓	
EGS Auto Transmission	✓	✓	✓	✓		
EWS Immobilizer	✓	✓			✓ (DME/DDE Sync)	

DME clear adaption / adaption, functions list: (Some functions are optional because of the default factory setting)

1. All adaption

CHASSIS

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
ABS / ASC / DSC Automatic Stability Control Dynamic Stability Control	✓	✓	✓			
ELV Electronic Steering	✓					
RDC Tyre Pressure	✓	✓	✓			
LWS / LEW Steering Angle Sensor	✓					

BODY

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
SRS Airbag	✓	✓				
IKE / IKI / KOMBI Instrument cluster	✓	✓	✓			
PDC Park Distance Control	✓	✓	✓			
LCM / LM Light Check Module	✓	✓	✓			
ZKE Central Body System	✓	✓	✓			

CVM / CTM Convertible Top	✓	✓	✓			
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INFORMATION AND COMMUNICATION

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
RAD Radio	✓	✓	✓			
BIT Basis-Interface Telephone	✓	✓	✓			
BMBT On-Board Monitor	✓					
DSP DSP-booster	✓					
NAV Navigation System	✓					
NAV JAP Navigation System, Japanese	✓		✓			

AIR CONDITIONING

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
IHKA / IHKR Regulated Heating and A/C	✓	✓	✓			

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