

# Bars Professional



## BMW 1987–2012

Version: 3V03 Date: Feb., 2013

### AVAILABLE MODELS LIST

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

\* 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
<b>DME for N54 / N61 / N63/ N74</b> Petrol Engine	+	+	+	+	+	
<b>DDE for N57</b> DieselEngine	+	+	+			
<b>EGS</b> Auto Transmission	+	+	+	+		
<b>VTG</b> Transfer Case	+	+	+			
<b>CAS</b> Car Access	+	+	+			
<b>EKPS</b> Fuel-pump	+	+	+			
<b>GWS</b> 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
<b>DSC</b> Dynamic Stability Control	+	+	+			
<b>EHC</b> Electronic Ride-Height Control	+	+	+			
<b>EMF</b> Parking Brake	+	+	+		Initialization	
<b>AL/AFS</b> Active Steering	+	+	+			
<b>EDCSHL</b> Damper Satellite, Rear Left	+	+	+			
<b>EDCSHR</b> Damper Satellite, Rear Reft	+	+	+			

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

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

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

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

### **INFORMATION AND COMMUNICATION**

<b>ECU</b>	<b>READ/CLEAR CODE</b>	<b>DATA STREAM</b>	<b>ACTIVATION</b>	<b>CLEAR ADAPTION</b>	<b>ADAPTATION / SERVICE</b>	<b>NOTES</b>
<b>CIC / CHAMP</b> Car Information Headunit and Multimedia	+	+	+			

**AIR CONDITIONING**

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
<b>IHKA</b> Regulated Heating and A/C	+	+	+			
<b>FKA</b> 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/IHKA 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**

<b>CONTROL FUNCTION</b>	<b>SERVICE RESET</b>
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
<b>DME for N52 / N62 / N73</b> Petrol Engine	+	+	+	+	+	
<b>DDE for M57 / M67</b> DieselEngine	+	+	+			
<b>EGS</b> Auto Transmission	+	+	+	+		
<b>VTC1</b> Valvetronics	+					
<b>VTC2</b> Valvetronics	+					
<b>DWA</b> Anti-Theft Alarm	+	+	+			
<b>CAS</b> 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
<b>DSC</b> Dynamic Stability Control	+	+	+			
<b>EHC</b> Electronic Ride-Height Control	+	+	+			
<b>CIM</b> Chassis Integration Module	+	+	+			
<b>EMF</b> Parking Brake	+	+	+			
<b>ARS</b> Active Roll Stabilization	+	+	+			



**BODY**

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

<b>TMBFH</b> Passenger Rear Door	+	+				
<b>SZL</b> Switch Center	+	+	+		Initialization	
<b>RLS</b> Rain Sensor	+	+				
<b>HKL</b> Rear-lid Lift	+	+	+			
<b>WIM</b> Wiper Module	+	+	+			

### INFORMATION AND COMMUNICATION

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

Video Module						
<b>M-ASK-NAV / JNAV</b> Navigation System	+	+	+			
<b>SVS</b> Language Processing System	+		+			

### **AIR CONDITIONING**

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
<b>IHKA / IHKR</b> Regulated Heating and A/C	+	+	+			
<b>FKA / REAR AC</b> 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	+

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**

<b>CONTROL FUNCTION</b>	<b>SERVICE RESET</b>
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
<b>DME for M52 / M60 / M62 / M73</b> Petrol Engine	+	+	+	+	+	
<b>DDE for M51 / M57 / M67</b> Diesel Engine	+	+	+	+	+	
<b>EGS / AGS</b> Auto Transmission	+	+	+	+		
<b>EML</b> Electric Throttle	+	+				
<b>EWS</b> Immobilizer	+	+			+ (DME/DDE Sync)	
<b>GR2</b> 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
<b>ABS / ASC / DSC</b> Automatic Stability Control Dynamic Stability Control	+	+	+			
<b>EHC</b> Electronic Ride-Height Control	+	+	+			

<b>RDC</b> Tyre Pressure	+	+	+			
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### **BODY**

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

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

### INFORMATION AND COMMUNICATION

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

<b>VIDEO_TV / VID</b> Video Module, TV	+					
<b>SES</b> Voice Recognition	+		+			

**AIR CONDITIONING**

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



**7-SERIES, E32 1986 - 1994****DRIVE SYSTEMS**

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
<b>DME for M30 / M50 / M70</b> Petrol Engine	+	+	+	+	+	
<b>DDE for M51</b> Diesel Engine	+	+	+	+	+	
<b>EGS</b> Auto Transmission	+	+	+	+		
<b>EML</b> Electric Throttle	+	+				
<b>EWS</b> 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
<b>ABS / ASC / DSC</b> Automatic Stability Control Dynamic Stability Control	+	+	+			
<b>EDC</b> Electronic Dapmer Control	+	+	+			
<b>AHK</b> Active Rear Axle	+	+	+			

**BODY**

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
<b>SRS</b> Airbag	+	+				
<b>IKE / IKI / KOMBI</b> Instrument cluster	+	+	+			

<b>ZKE</b> Central Body System	+	+	+			
<b>EKM</b> Electric Body Module	+					
<b>LCM / LM</b> Light Check Module	+	+	+			

### **INFORMATION AND COMMUNICATION**

<b>ECU</b>	<b>READ/CLEAR CODE</b>	<b>DATA STREAM</b>	<b>ACTIVATION</b>	<b>CLEAR ADAPTION</b>	<b>ADAPTATION / SERVICE</b>	<b>NOTES</b>
<b>MID / ZIS</b> Multi-Information Display	+					

### **AIR CONDITIONING**

<b>ECU</b>	<b>READ/CLEAR CODE</b>	<b>DATA STREAM</b>	<b>ACTIVATION</b>	<b>CLEAR ADAPTION</b>	<b>ADAPTATION / SERVICE</b>	<b>NOTES</b>
<b>IHKA / IHKR</b> 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
<b>DME for N20 / N53 / N55 / N63</b> Petrol Engine	+	+	+	+	+	
<b>DDE for N47 / N57</b> DieselEngine	+	+	+			
<b>EGS</b> Auto Transmission	+	+	+	+		
<b>VTG</b> Transfer Case	+	+	+			
<b>CAS</b> Car Access	+	+	+			
<b>EKPS</b> Fuel-pump	+	+	+			
<b>GWS</b> 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
<b>DSC</b> Dynamic Stability Control	+	+	+			
<b>EHC</b> Electronic Ride-Height Control	+	+	+			
<b>EMF</b> Parking Brake	+	+	+		Initialization	
<b>AL/AFS</b> Active Steering	+	+				
<b>EDCSHL</b> Damper Satellite, Rear Left	+	+	+			
<b>EDCSHR</b> Damper Satellite, Rear Reft	+	+	+			

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

## BODY

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

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

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

### **INFORMATION AND COMMUNICATION**

<b>ECU</b>	<b>READ/CLEAR CODE</b>	<b>DATA STREAM</b>	<b>ACTIVATION</b>	<b>CLEAR ADAPTION</b>	<b>ADAPTATION / SERVICE</b>	<b>NOTES</b>
<b>CIC / CHAMP</b> Car Information Headunit and Multimedia	+	+	+			

**AIR CONDITIONING**

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
<b>IHKA</b> Regulated Heating and A/C	+	+	+			
<b>FKA</b> 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/IHKA 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	+
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
<b>DME for M54 / N43 / N52 / N53 / N54 / N62</b> Petrol Engine	+	+	+	+	+	
<b>DDE for M47 / M57 / N47</b> DieselEngine	+	+	+			
<b>EGS</b> Auto Transmission	+	+	+	+		
<b>GWS</b> Gear Selector Switch	+	+	+			
<b>EKPS</b> Fuel-Pump Control	+	+	+			
<b>DWA</b> Anti-Theft Alarm	+	+	+			
<b>CAS</b> Car Access	+	+	+		+	(DME/DDE Sync)
<b>VTG</b> Transfer Case	+	+	+			
<b>VTC1</b> Valvetronics 1	+					The sub-system of DME
<b>VTC2</b> 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
<b>DSC</b> Dynamic Stability Control	+	+	+			
<b>AL / AFS</b>	+	+				

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

## BODY

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

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

### INFORMATION AND COMMUNICATION

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

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

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

### **AIR CONDITIONING**

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
<b>IHKA / IHKR</b> 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**

<b>CONTROL FUNCTION</b>	<b>SERVICE RESET</b>
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
<b>DME for M52 / M54 / M62 / S62</b> Petrol Engine	+	+	+	+	+	
<b>DDE for M47 / M51 / M57</b> Diesel Engine	+	+	+	+	+	
<b>EGS / AGS</b> Auto Transmission	+	+	+	+		
<b>EWS</b> Immobilizer	+	+				+ (DME/DDE Sync)
<b>GR2</b> 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
<b>ABS / ASC / DSC</b> Automatic Stability Control Dynamic Stability Control	+	+	+			
<b>EHC</b> Electronic Ride-Height Control	+	+	+			
<b>RDC</b> Tyre Pressure	+	+	+			

**BODY**

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
<b>SRS</b> Airbag	+	+				
<b>IKE / IKI / KOMBI</b> Instrument cluster	+	+	+			

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



<b>ELV</b> Electric Steering		+				
<b>LRA</b> Headlight Vertical Aim Control	+	+	+			

### INFORMATION AND COMMUNICATION

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

### AIR CONDITIONING

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
<b>IHKA / IHKR</b> Regulated Heating and A/C	+	+	+			



**5-SERIES, E34 1988 - 1996****DRIVE SYSTEMS**

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
<b>DME for M20 / M30 / M40 / M43 / M50 / S38</b> Petrol Engine	+	+	+	+	+	
<b>DDE for M21 / M51</b> DieselEngine	+	+	+	+	+	
<b>EGS</b> Auto Transmission	+	+	+	+		
<b>EWS</b> 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
<b>ABS / ASC / DSC</b> Automatic Stability Control Dynamic Stability Control	+	+	+			
<b>AHK</b> Active Rear Axle	+	+	+			

**BODY**

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

Electric Body Module						
<b>LCM / LM</b> Light Check Module	+	+	+			

### **INFORMATION AND COMMUNICATION**

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
<b>MID / ZIS</b> Multi-Information Display	+					

### **AIR CONDITIONING**

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
<b>IHKA / IHKR</b> Regulated Heating and A/C	+	+	+			

### **5-SERIES, E28 ~1988**

#### **DRIVE SYSTEMS**

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
<b>DME for M20 / M30 / S38</b> 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
<b>DME</b> Petrol Engine	+	+	+	+	+	
<b>DDE</b> DieselEngine	+	+	+			
<b>EGS</b> Auto Transmission	+	+	+	+		
<b>GWS</b> Gear Selector Switch	+	+	+			
<b>EKPS</b> Fuel-Pump Control	+	+	+			
<b>DWA</b> Anti-Theft Alarm	+	+	+			
<b>CAS</b> Car Access	+	+	+		+ (DME/DDE Sync)	
<b>VTG</b> Transfer Case	+	+	+			
<b>VTC1</b> Valvetronics 1	+					The sub-system of DME
<b>VTC2</b> 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
<b>DSC</b> Dynamic Stability Control	+	+	+			
<b>AL / AFS</b> Active Steering	+	+				
<b>RDC</b>	+	+	+			

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

### **BODY**

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

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

### INFORMATION AND COMMUNICATION

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

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



<b>MASK-NAV / CNAV / JNAV / KNAV</b> Navigation System	+	+	+			
<b>SDARS</b> Satellite Tuner	+	+	+			
<b>IBOC</b> Digital Tuner US	+	+	+			
<b>PM</b> Power Module	+	+	+			

### **AIR CONDITIONING**

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
<b>IHKA / IHKR</b> 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**

<b>CONTROL FUNCTION</b>	<b>SERVICE RESET</b>
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
<b>DME for M42 / M43 / M46 / M52 / M54 / M56 / S54</b> Petrol Engine	+	+	+	+	+	
<b>DDE for M47 / M57</b> DieselEngine	+	+	+	+	+	
<b>EGS / AGS</b> Auto Transmission	+	+	+	+		
<b>EWS</b> Immobilizer	+	+				+ (DME/DDE Sync)
<b>GR2</b> 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
<b>ABS / ASC / DSC</b> Automatic Stability Control Dynamic Stability Control	+	+	+			
<b>RDC</b> Tyre Pressure	+	+	+			

**BODY**

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

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

### INFORMATION AND COMMUNICATION

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

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

#### **AIR CONDITIONING**

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

**3-SERIES, E36 1988 - 1996****DRIVE SYSTEMS**

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
<b>DME for M40 / M42 / M43 / M44 / M50 / M52 / S50</b> Petrol Engine	+	+	+	+	+	
<b>DDE for M41 / M51</b> DieselEngine	+	+	+	+	+	
<b>EGS</b> Auto Transmission	+	+	+	+		
<b>EWS</b> 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
<b>ABS / ASC / DSC</b> Automatic Stability Control Dynamic Stability Control	+	+	+			

**BODY**

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

Park Distance						
<b>LWS</b> Steering Angle	+					

### **INFORMATION AND COMMUNICATION**

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

### **AIR CONDITIONING**

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
<b>IHKA / IHKR</b> Regulated Heating and A/C	+	+	+			

### **3-SERIES, E30 ~1994**

#### **DRIVE SYSTEMS**

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
<b>DME</b> Petrol Engine	+	+	+	+		

**1-SERIES, F20 2011 -****DRIVE SYSTEMS**

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
<b>DME for N13 / N20 / N55</b> Petrol Engine	+	+	+	+	+	
<b>DDE for N47</b> DieselEngine	+	+	+			
<b>EGS</b> Auto Transmission	+	+	+	+		
<b>VTG</b> Transfer Case	+	+	+			
<b>CAS</b> Car Access	+	+	+			
<b>EKPS</b> Fuel-pump	+	+	+			
<b>GWS</b> 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
<b>DSC</b> Dynamic Stability Control	+	+	+			
<b>EHC</b> Electronic Ride-Height Control	+	+	+			
<b>EMF</b> Parking Brake	+	+	+		Initialization	
<b>AL/AFS</b> Active Steering	+	+				
<b>EDCSHL</b> Damper Satellite, Rear Left	+	+	+			
<b>EDCSHR</b> Damper Satellite, Rear Reft	+	+	+			
<b>EDCSVL</b> Damper Satellite, Front Left	+	+	+			



<b>EDCSVR</b> Damper Satellite, Front Right	+	+	+			
<b>ICM</b> Integrated Chassis Control	+	+	+			
<b>RDC</b> Tire Pressure Control	+	+	+			
<b>VDM</b> Vertical Dynamics Management	+	+	+			
<b>EPS</b> Electronic Power Steering	+	+	+			
<b>VDM</b> Vehicle Dynamics Management	+	+	+			

## BODY

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

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

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

### **INFORMATION AND COMMUNICATION**

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
<b>CIC / CHAMP</b> Car Information Headunit and Multimedia	+	+	+			

### **AIR CONDITIONING**

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

### **EQUIPMENT FUNCTION SETUP**

<b>FUNCTION</b>	<b>ADAPTATION</b>
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**

<b>CONTROL FUNCTION</b>	<b>SERVICE RESET</b>
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
<b>DME for N43 / N45 / N46 / N51 / N52 / N54 / N55</b> Petrol Engine	+	+	+	+	+	
<b>DDE for M47 / N47</b> DieselEngine	+	+	+			
<b>EGS</b> Auto Transmission	+	+	+	+		
<b>GWS</b> Gear Selector Switch	+	+	+			
<b>EKPS</b> Fuel-Pump Control	+	+	+			
<b>DWA</b> Anti-Theft Alarm	+	+	+			
<b>CAS</b> Car Access	+	+	+		+	(DME/DDE Sync)
<b>VTG</b> Transfer Case	+	+	+			
<b>VTC1</b> Valvetronics 1	+					The sub-system of DME
<b>VTC2</b> 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
<b>DSC</b> Dynamic Stability Control	+	+	+			
<b>AL / AFS</b> Active Steering	+	+				

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

## BODY

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

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

### INFORMATION AND COMMUNICATION

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



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

<b>MASK-NAV / CNAV / JNAV / KNAV</b> Navigation System	+	+	+			
<b>SDARS</b> Satellite Tuner	+	+	+			
<b>IBOC</b> Digital Tuner US	+	+	+			
<b>PM</b> Power Module	+	+	+			

### **AIR CONDITIONING**

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
<b>IHKA / IHKR</b> 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	+

<b>CONTROL FUNCTION</b>	<b>SERVICE RESET</b>
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
<b>DME for N55 / N63</b> Petrol Engine	+	+	+	+	+	
<b>DDE for N57</b> Diesel Engine	+	+	+			
<b>EGS</b> Auto Transmission	+	+	+	+		
<b>VTG</b> Transfer Case	+	+	+			
<b>CAS</b> Car Access	+	+	+			
<b>EKPS</b> Fuel-pump	+	+	+			
<b>GWS</b> 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
<b>DSC</b> Dynamic Stability Control	+	+	+			
<b>EHC</b> Electronic Ride-Height Control	+	+	+			
<b>EMF</b> Parking Brake	+	+	+		Initialization	
<b>AL/AFS</b> Active Steering	+	+				
<b>EDCSHL</b> Damper Satellite, Rear Left	+	+	+			
<b>EDCSHR</b> Damper Satellite, Rear Reft	+	+	+			
<b>EDCSVL</b> Damper Satellite, Front Left	+	+	+			

<b>EDCSVR</b> Damper Satellite, Front Right	+	+	+			
<b>ICM</b> Integrated Chassis Control	+	+	+			
<b>RDC</b> Tire Pressure Control	+	+	+			
<b>VDM</b> Vertical Dynamics Management	+	+	+			
<b>EPS</b> Electronic Power Steering	+	+	+			
<b>VDM</b> Vehicle Dynamics Management	+	+	+			

## BODY

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

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

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

### **INFORMATION AND COMMUNICATION**

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
<b>CIC / CHAMP</b> Car Information Headunit and Multimedia	+	+	+			

### **AIR CONDITIONING**

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

### **EQUIPMENT FUNCTION SETUP**

<b>FUNCTION</b>	<b>ADAPTATION</b>
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**

<b>CONTROL FUNCTION</b>	<b>SERVICE RESET</b>
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
<b>DME for N52 / N62 / N85</b> Petrol Engine	+	+	+	+	+	
<b>DDE for M57</b> Diesel Engine	+	+	+			
<b>EGS</b> Auto Transmission	+	+	+	+		
<b>GWS</b> Gear Selector Switch	+	+	+			
<b>EKPS</b> Fuel-Pump Control	+	+	+			
<b>DWA</b> Anti-Theft Alarm	+	+	+			
<b>CAS</b> Car Access	+	+	+		+ (DME/DDE Sync)	
<b>VTG</b> Transfer Case	+	+	+			
<b>VTC1</b> Valvetronics 1	+					The sub-system of DME
<b>VTC2</b> 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
<b>DSC</b> Dynamic Stability Control	+	+	+			
<b>AL / AFS</b> Active Steering	+	+				
<b>RDC</b>	+	+	+			

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

### BODY

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

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

### INFORMATION AND COMMUNICATION

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

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

<b>MASK-NAV / CNAV / JNAV / KNAV</b> Navigation System	+	+	+			
<b>SDARS</b> Satellite Tuner	+	+	+			
<b>IBOC</b> Digital Tuner US	+	+	+			
<b>PM</b> Power Module	+	+	+			

### **AIR CONDITIONING**

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
<b>IHKA / IHKR</b> 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**

<b>CONTROL FUNCTION</b>	<b>SERVICE RESET</b>
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
<b>DME</b> Petrol Engine	+	+	+	+	+	
<b>DDE</b> DieselEngine	+	+	+	+	+	
<b>EGS</b> Auto Transmission	+	+	+	+		
<b>EML</b> Electric Throttle	+	+				
<b>EWS</b> 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
<b>ABS / ASC / DSC</b> Automatic Stability Control Dynamic Stability Control	+	+	+			
<b>EHC</b> Electronic Ride-Height Control	+	+	+			

**BODY**

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



<b>ZKE</b> Central Body System	+	+	+			
<b>EKM</b> Electric Body Module	+					

### **INFORMATION AND COMMUNICATION**

<b>ECU</b>	<b>READ/CLEAR CODE</b>	<b>DATA STREAM</b>	<b>ACTIVATION</b>	<b>CLEAR ADAPTION</b>	<b>ADAPTATION / SERVICE</b>	<b>NOTES</b>
<b>MID</b> Multi-Information Display	+					

### **AIR CONDITIONING**

<b>ECU</b>	<b>READ/CLEAR CODE</b>	<b>DATA STREAM</b>	<b>ACTIVATION</b>	<b>CLEAR ADAPTION</b>	<b>ADAPTATION / SERVICE</b>	<b>NOTES</b>
<b>IHKA / IHKR</b> 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
<b>DME</b> Petrol Engine	+	+	+	+	+	
<b>DDE</b> DieselEngine	+	+	+			
<b>EGS</b> Auto Transmission	+	+	+	+		
<b>VTG</b> Transfer Case	+	+	+			
<b>CAS</b> Car Access	+	+	+			
<b>EKPS</b> Fuel-pump	+	+	+			
<b>GWS</b> Gear Selector Switch	+	+	+			
<b>QMVH</b> 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
<b>DSC</b> Dynamic Stability Control	+	+	+			
<b>EHC</b> Electronic Ride-Height Control	+	+	+			
<b>EMF</b> Parking Brake	+	+	+		Initialization	
<b>AL/AFS</b> Active Steering	+	+				
<b>EDCSHL</b> Damper Satellite, Rear Left	+	+	+			
<b>EDCSHR</b>	+	+	+			

Damper Satellite, Rear Ref						
<b>EDCSVL</b> Damper Satellite, Front Left	+	+	+			
<b>EDCSVR</b> Damper Satellite, Front Right	+	+	+			
<b>ICM / LDM</b> Integrated Chassis Control	+	+	+			
<b>RDC</b> Tire Pressure Control	+	+	+			
<b>VDM</b> Vertical Dynamics Management	+	+	+			
<b>ARS</b> Dynamic Drive	+	+	+			

## BODY

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

<b>SMBF</b> Seat Module, Passenger	+	+	+		Initialization	
<b>AHM</b> Trailer Module	+	+	+			
<b>TRSVC</b> All Round View Camera	+	+	+			
<b>SINE</b> Siren With Tilt Sensor	+	+				

### INFORMATION AND COMMUNICATION

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

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

### **AIR CONDITIONING**

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

**EQUIPMENT FUNCTION SETUP**

<b>FUNCTION</b>	<b>ADAPTATION</b>
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**

<b>CONTROL FUNCTION</b>	<b>SERVICE RESET</b>
Engine Oil	+
Front Brakes	+
Rear Brakes	+
Brake Fluid	+
Vehicle Check	+

**X5-SERIES, E70 2007-****DRIVE SYSTEMS**

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
<b>DME for N52 / N55 / N62 / N63 / S63</b> Petrol Engine	+	+	+	+	+	
<b>DDE for M57</b> DieselEngine	+	+	+			
<b>EGS</b> Auto Transmission	+	+	+	+		
<b>VTG</b> Transfer Case	+	+	+			
<b>CAS</b> Car Access	+	+	+			
<b>EKPS</b> Fuel-pump	+	+	+			
<b>GWS</b> Gear Selector Switch	+	+	+			
<b>QMVH</b> 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
<b>DSC</b> Dynamic Stability Control	+	+	+			
<b>EHC</b> Electronic Ride-Height Control	+	+	+			
<b>EMF</b> Parking Brake	+	+	+		Initialization	
<b>AL/AFS</b> Active Steering	+	+				
<b>EDCSHL</b> Damper Satellite, Rear Left	+	+	+			



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

## BODY

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

Seat Module, Driver						
<b>SMBF</b> Seat Module, Passenger	+	+	+		Initialization	
<b>AHM</b> Trailer Module	+	+	+			
<b>TR SVC</b> All Round View Camera	+	+	+			
<b>SINE</b> Siren With Tilt Sensor	+	+				

### INFORMATION AND COMMUNICATION

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

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

### **AIR CONDITIONING**

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

**EQUIPMENT FUNCTION SETUP**

<b>FUNCTION</b>	<b>ADAPTATION</b>
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**

<b>CONTROL FUNCTION</b>	<b>SERVICE RESET</b>
Engine Oil	+
Front Brakes	+
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
<b>DME for M54 / M62 / N62</b> Petrol Engine	+	+	+	+	+	
<b>DDE for M57</b> Diesel Engine	+	+	+	+	+	
<b>EGS / AGS</b> Auto Transmission	+	+	+	+		
<b>EWS</b> Immobilizer	+	+				+ (DME/DDE Sync)
<b>GR2</b> Cruise Control	+					
<b>VTG</b> 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
<b>ABS / ASC / DSC</b> Automatic Stability Control Dynamic Stability Control	+	+	+			
<b>EHC</b> Electronic Ride-Height Control	+	+	+			
<b>RDC</b> Tyre Pressure	+	+	+			

**BODY**

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
<b>SRS</b> Airbag	+	+				
<b>IKE / IKI / KOMBI</b>	+	+	+			

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

Steering Angle					
<b>ELV</b> Electric Steering		+			
<b>LRA</b> Headlight Vertical Aim Control	+	+	+		
<b>AHL</b> Adaptive Directinal Headlights	+	+	+		

### INFORMATION AND COMMUNICATION

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

### AIR CONDITIONING



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

**X3-SERIES, F25 2010 -****DRIVE SYSTEMS**

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
<b>DME for N20 / N53 / N55</b> Petrol Engine	+	+	+	+	+	
<b>DDE for N47 / N57</b> DieselEngine	+	+	+			
<b>EGS</b> Auto Transmission	+	+	+	+		
<b>VTG</b> Transfer Case	+	+	+			
<b>CAS</b> Car Access	+	+	+			
<b>EKPS</b> Fuel-pump	+	+	+			
<b>GWS</b> 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
<b>DSC</b> Dynamic Stability Control	+	+	+			
<b>EHC</b> Electronic Ride-Height Control	+	+	+			
<b>EMF</b> Parking Brake	+	+	+		Initialization	
<b>AL/AFS</b> Active Steering	+	+				
<b>EDCSHL</b> Damper Satellite, Rear Left	+	+	+			
<b>EDCSHR</b> Damper Satellite, Rear Reft	+	+	+			
<b>EDCSVL</b> Damper Satellite, Front Left	+	+	+			

<b>EDCSVR</b> Damper Satellite, Front Right	+	+	+			
<b>ICM</b> Integrated Chassis Control	+	+	+			
<b>RDC</b> Tire Pressure Control	+	+	+			
<b>VDM</b> Vertical Dynamics Management	+	+	+			
<b>EPS</b> Electronic Power Steering	+	+	+			
<b>VDM</b> Vehicle Dynamics Management	+	+	+			

## BODY

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

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

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

### **INFORMATION AND COMMUNICATION**

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
<b>CIC / CHAMP</b> Car Information Headunit and Multimedia	+	+	+			

### **AIR CONDITIONING**

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

### **EQUIPMENT FUNCTION SETUP**

<b>FUNCTION</b>	<b>ADAPTATION</b>
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**

<b>CONTROL FUNCTION</b>	<b>SERVICE RESET</b>
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
<b>DME for M54 / N46 / N52</b> Petrol Engine	+	+	+	+	+	
<b>DDE for N47 / M47 / M57</b> DieselEngine	+	+	+	+	+	
<b>EGS / AGS</b> Auto Transmission	+	+	+	+		
<b>EWS</b> Immobilizer	+	+			+ (DME/DDE Sync)	
<b>GR2</b> Cruise Control	+					
<b>VTG</b> Transfer Case	+	+	+			
<b>EKPS</b> 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
<b>ABS / ASC / DSC</b> Automatic Stability Control Dynamic Stability Control	+	+	+			
<b>EHC</b> Electronic Ride-Height Control	+	+	+			
<b>RDC</b> Tyre Pressure	+	+	+			
<b>LWS / LEW</b> Steering Angle Sensor	+					



**BODY**

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

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

### INFORMATION AND COMMUNICATION

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

<b>VIDEO_TV / VID</b> Video Module, TV	+					
<b>SES</b> Voice Recognition	+		+			

**AIR CONDITIONING**

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

**X1-SERIES, E84 2009 -****DRIVE SYSTEMS**

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
<b>DME</b> Petrol Engine	+	+	+	+	+	
<b>DDE</b> DieselEngine	+	+	+			
<b>EGS</b> Auto Transmission	+	+	+	+		
<b>EKPS</b> Fuel-Pump Control	+	+	+			
<b>CAS</b> Car Access	+	+	+			+ (DME/DDE Sync)
<b>VTG</b> 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
<b>DSC</b> Dynamic Stability Control	+	+	+			

**BODY**

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

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

### INFORMATION AND COMMUNICATION

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

<b>AMP</b> Amplifier	+	+	+			
<b>CA</b> Comfort Access	+	+				
<b>DAB</b> Digital Tuner	+					

### **AIR CONDITIONING**

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
<b>IHKA / IHKR</b> 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**

<b>CONTROL FUNCTION</b>	<b>SERVICE RESET</b>
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
<b>DME for N20 / N52 / N54</b> Petrol Engine	+	+	+	+	+	
<b>EGS</b> Auto Transmission	+	+	+	+		
<b>GWS</b> Gear Selector Switch	+	+	+			
<b>EKPS</b> Fuel-Pump Control	+	+	+			
<b>DWA</b> Anti-Theft Alarm	+	+	+			
<b>CAS</b> 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
<b>DSC</b> Dynamic Stability Control	+	+	+			
<b>RDC</b> Tire Pressure	+	+	+			
<b>EPS</b> Electric Power Steering	+	+	+			
<b>EMF</b> Parking Brake	+	+	+			
<b>EDC</b> Damper Control	+	+	+			



**BODY**

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

**INFORMATION AND COMMUNICATION**

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

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

### **AIR CONDITIONING**

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
<b>IHKA / IHKR</b> 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**

<b>CONTROL FUNCTION</b>	<b>SERVICE RESET</b>
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, E85(roadster) / E86 (Coupé) 2002 - 2011****DRIVE SYSTEMS**

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

**CHASSIS**

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
<b>ABS / ASC / DSC</b> Automatic Stability Control Dynamic Stability Control	+	+	+			

**BODY**

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

**INFORMATION AND COMMUNICATION**

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
<b>SIM</b> Safety & Information	+	+	+			

**AIR CONDITIONING**

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
<b>IHKA / IHKR</b> 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
<b>DME</b> Petrol Engine	+	+	+	+	+	
<b>EGS</b> Auto Transmission	+	+	+	+		
<b>EWS</b> Immobilizer	+	+			+ (DME/DDE Sync)	
<b>GR2</b> Cruise Control	+					
<b>TOENS</b> 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
<b>ABS / ASC / DSC</b> Automatic Stability Control Dynamic Stability Control	+	+	+			

**BODY**

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
<b>SRS</b> Airbag	+	+				
<b>IKE / IKI / KOMBI</b> Instrument cluster	+	+	+			
<b>ZKE</b> Central Body System	+	+	+			
<b>CVM</b> Convertible Top	+	+				
<b>PDC</b> Park Distance	+	+	+			
<b>LWS</b> Steering Angle	+					
<b>LCM / LSZ</b> Light Check Module	+	+	+			

**INFORMATION AND COMMUNICATION**

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

**AIR CONDITIONING**

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
<b>IHKA / IHKR</b> Regulated Heating and A/C	+	+	+			



**Z8-SERIES, E52 1999- 2003****DRIVE SYSTEMS**

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
<b>DME for S62</b> Petrol Engine	+	+	+	+	+	
<b>EGS</b> Auto Transmission	+	+	+	+		
<b>EWS</b> 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
<b>ABS / ASC / DSC</b> Automatic Stability Control Dynamic Stability Control	+	+	+			
<b>ELV</b> Electronic Steering	+					
<b>RDC</b> Tyre Pressure	+	+	+			
<b>LWS / LEW</b> Steering Angle Sensor	+					

**BODY**

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

<b>CVM / CTM</b> Convertible Top	+	+	+			
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### INFORMATION AND COMMUNICATION

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

### AIR CONDITIONING

ECU	READ/CLEAR CODE	DATA STREAM	ACTIVATION	CLEAR ADAPTION	ADAPTATION / SERVICE	NOTES
<b>IHKA / IHKR</b> Regulated Heating and A/C	+	+	+			