

BMW 1 Series E 81/82/87/88 DRIVER

ECU System	Sys. Info.	Read-Clear code	Data Stream	Actuation	Special Functions	Others
CAS Car Access System	Info	err. code	data	Actuat.	1.Personalisation key number2.Disable_enable key	
DDE Diesel Electronics	Info	err. code	data	Actuat.	1.DDE-CAS adjustment 2.Air-mass flow sensor adaptation 3.Regeneration, particulate filter 4.Idle speed adjustment 5.Exhaust-gas recirculation adjustment 6.Starting torque adjustment 7.Consumption calculation adjustment 8.Injector rate adjustment 9.Quantity mean-value adaptation 10.Reset variants 11.Bleeding, fuel system 12.EOBD readiness codes 13.Read measured values 14.Register battery change	
DME Digital Motor Electronics	Info	err. code	data	Actuat.	1.DME-CAS adjustment 2.CO adjustment 3.Clear adaptations	
EGS Transmission control	Info	err. code	data	Actuat.	1.Reset adaptation values 2.Reset learning functions 3.Mechatronics adjustment 4.Oil-level adjustment	
EKPS Fuel-pump control	Info	err. code	data	Actuat.		

BMW 1 Series E 81/82/87/88 CHASSIS

AL Active steering	Info	err. code	data	Actuat.		
DSC Dynamic Stability Control	Info	err. code	data	Actuat.	1.Bleed routine	
EPS Electronic Power Steering	Info	err. code	data	Actuat.		
RDC Tyre pressure control	Info	err. code	data	Actuat.		

BMW 1 Series E 81/82/87/88 BODY

AMP Amplifier	Info	err. code	data	Actuat.		
AHM Trailer module	Info	err. code	data	Actuat.		
CA Comfort Access	Info	err. code	data	Actuat.		
CCC-A Applications	Info	err. code	data	Actuat.		
CCC-ANT Aerial tuner	Info	err. code	data	Actuat.		
CCC-ASK Audio system controller	Info	err. code	data	Actuat.		
CCC-BO User interface	Info	err. code	data	Actuat.		
CCC-GW Gateway	Info	err. code	data	Actuat.		
CDC CD Changer	Info	err. code	data	Actuat.		
CHAMP-BO User interface	Info	err. code	data	Actuat.		
CHAMP-GW Gateway	Info	err. code	data	Actuat.		
CID Central Information Display	Info	err. code	data	Actuat.		
CON Controller	Info	err. code	data	Actuat.		
CVM Convertible-top module	Info	err. code	data	Actuat.		
DAB Digital tuner	Info	err. code	data	Actuat.		
DWA Antitheft alarm system	Info	err. code	data	Actuat.		
FRM Footwell Module	Info	err. code	data	Actuat.		
FRM2 Footwell module 2	Info	err. code	data	Actuat.		
FZD Function centre, roof	Info	err. code	data	Actuat.	1.Initializ rain sensor	
IHR Integrated heater control	Info	err. code	data	Actuat.		
IHKR Interagted heating/air-conditioning regulation	Info	err. code	data	Actuat.		
IHKA Integrated automatic heating/air conditioning	Info	err. code	data	Actuat.	1.Flap motors 2.Coolant compressor	
INSTR Instrument clusterumnt cluster	Info	err. code	data	Actuat.		
JBE Junction-box electronics	Info	err. code	data	Actuat.		
JBE2 Junction Box electronics 2	Info	err. code	data	Actuat.		
JNAV Navigation system, Japan	Info	err. code	data	Actuat.		
M-ASK-BO User interface	Info	err. code	data	Actuat.		
M-ASK-GW Gateway	Info	err. code	data	Actuat.		
M-ASK-NAV Navigation system	Info	err. code	data	Actuat.		
MRS Multiple Restraint system	Info	err. code	data	Actuat.		
PDC Park Distance Control	Info	err. code	data	Actuat.		
RAD Radio	Info	err. code	data	Actuat.		

RAD2-BO User interface	Info	err. code	data	Actuat.		
RAD2-GW Gateway	Info	err. code	data	Actuat.		
RLSS Rain/light solar sensor	Info	err. code	data	Actuat.	1.Initializ rain sensor	
SDARS satellite tuner	Info	err. code	data	Actuat.		
SINE Siren with tilt sensor	Info	err. code	data	Actuat.		
SMBF Seat module, passenger	Info	err. code	data	Actuat.		
SMFA Seat module, driver	Info	err. code	data	Actuat.		
TCU Telematic Control unit	Info	err. code	data	Actuat.		
ULF Universal charging and hands-free facility	Info	err. code	data	Actuat.		
ULF-SBX Interface box	Info	err. code	data	Actuat.		
ULF-SBX-H Interface box High	Info	err. code	data	Actuat.		
BMW 1 Series E 81/82/87/88 Short test						
Short test	Info	err. code				
BMW 1 Series E 81/82/87/88 program/coding						
Maintenance \ CBS Reset					1.Engine Oil 2.Microfilter 3.Front barke 4.Rear brake 5.Vehicle check 6.Spark plugs 7.Brake fluid 8.Vehicle inspection 9.Exhaust emission inspection 10.Diesel narticle filter	
Maintenance \ CBS Correct					1.Engine Oil 2.Microfilter 3.Front barke 4.Rear brake 5.Vehicle check 6.Spark plugs 7.Brake fluid 8.Diesel narticle filter	
Maintenance					1.Delete transport mode	
Service functions					1.Adjustment, Steering-angle sensor	
BMW 1 Series E 30 driver						
DME Digital Motor Electronics	Info	err. code	data	Actuat.		
EGS Transmission control	Info	err. code	data	Actuat.		
EWS (Elec. immobilize system)	Info	err. code	data	Actuat.		
BMW 1 Series E 30 chassis						
ABS Antilock brake	Info	err. code	data	Actuat.		
EHC/EDC (Signal-axle air suspension)	Info	err. code	data	Actuat.		
BMW 1 Series E 30 body						
ADS Throttle-Valve Control	Info	err. code	data	Actuat.		
AHK (Active-Axle Kinematics)	Info	err. code	data	Actuat.		
CVM Convertible-top module	Info	err. code	data	Actuat.		
DWA Antitheft alarm system	Info	err. code	data	Actuat.		
EKM (Electronic Body Module)	Info	err. code	data	Actuat.		
EML (Elec. throttle)	Info	err. code	data	Actuat.		
FHK (Rear Heater A/C System)	Info	err. code	data	Actuat.		
GR (Cruise control)	Info	err. code	data	Actuat.		
GSA (Closed-Loop-Controlled Differential-Lock AWD)	Info	err. code	data	Actuat.		
IHKA/IHKR (AC/heater)	Info	err. code	data	Actuat.		
IKE/IKI/KOMBI	Info	err. code	data	Actuat.		
LSZ/LCM (Light switching center)	Info	err. code	data	Actuat.		
MID (Multi Information Display)	Info	err. code	data	Actuat.		
PDC Park Distance Control	Info	err. code	data	Actuat.		
RAD (Radio)	Info	err. code	data	Actuat.		
SHD Sliding/tilting sunroof	Info	err. code	data	Actuat.		
SPM/SM	Info	err. code	data	Actuat.		
SRS (Air bag)	Info	err. code	data	Actuat.		
URS (Rollover sensor)	Info	err. code	data	Actuat.		
VMX (Top-speed Regulation)	Info	err. code	data	Actuat.		
VNC (Variable Camshaft Control)	Info	err. code	data	Actuat.		
XEN (XENON LIGHTS)	Info	err. code	data	Actuat.		
ZKE (Central body electronic)	Info	err. code	data	Actuat.		
BMW 1 Series E 30 config/program						
ZCS/FA Coding					1.Display Coding code and print	

Service functions					1. Key Test 2. Display status of all keys 3. Disable/Enable key	
BMW 1 Series E 36 driver						
DME Digital Motor Electronics	Info	err. code	data	Actuat.		
EGS Transmission control	Info	err. code	data	Actuat.		
EWS (Elec. immobilize system)	Info	err. code	data	Actuat.		
BMW 1 Series E 36 chassis						
ABS Antilock brake	Info	err. code	data	Actuat.		
EHC/EDC (Signal-axle air suspension)	Info	err. code	data	Actuat.		
BMW 1 Series E 36 body						
ADS Throttle-Valve Control	Info	err. code	data	Actuat.		
AHK (Active-Axle Kinematics)	Info	err. code	data	Actuat.		
CVM Convertible-top module	Info	err. code	data	Actuat.		
DWA Antitheft alarm system	Info	err. code	data	Actuat.		
EKM (Electronic Body Module)	Info	err. code	data	Actuat.		
EML (Elec. throttle)	Info	err. code	data	Actuat.		
FHK (Rear Heater A/C System)	Info	err. code	data	Actuat.		
GR (Cruise control)	Info	err. code	data	Actuat.		
GSA (Closed-Loop-Controlled Differential-Lock AWD)	Info	err. code	data	Actuat.		
IHKA/IHKR (AC/heater)	Info	err. code	data	Actuat.		
IKE/IKI/KOMBI	Info	err. code	data	Actuat.		
LSZ/LCM (Light switching center)	Info	err. code	data	Actuat.		
MID (Multi Information Display)	Info	err. code	data	Actuat.		
PDC Park Distance Control	Info	err. code	data	Actuat.		
RAD (Radio)	Info	err. code	data	Actuat.		
SHD Sliding/tilting sunroof	Info	err. code	data	Actuat.		
SPM/SM	Info	err. code	data	Actuat.		
SRS (Air bag)	Info	err. code	data	Actuat.		
URS (Rollover sensor)	Info	err. code	data	Actuat.		
VMX (Top-speed Regulation)	Info	err. code	data	Actuat.		
VNC (Variable Camshaft Control)	Info	err. code	data	Actuat.		
XEN (XENON LIGHTS)	Info	err. code	data	Actuat.		
ZKE (Central body electronic)	Info	err. code	data	Actuat.		
BMW 1 Series E 36 coding/program						
ZCS/FA Coding					1.Display Coding code and print	
CAR MEMORY\LIGHTING\External lights\Daytime driving light					1.Active 2.Not active	
CAR MEMORY\LIGHTING\External lights\Home lights					1.Not active 2.40 s 3.90 s 4.150 s 5.240 s	
CAR MEMORY\LIGHTING\Interior lighting\ON during unlock					1.Active 2.Not active	
CAR MEMORY\LIGHTING\Interior lighting\ON at terminal R off, light on beforehand					1.Active 2.Not active	
CAR MEMORY\LIGHTING\Interior lighting\Soft ON/OFF					1.Active 2.Not active	
CAR MEMORY\ANTI-THEFT SYSTEM\Interior lighting\Interior sensor					1.Active 2.Not active	
CAR MEMORY\ANTI-THEFT SYSTEM\Interior lighting\Tilt alarm sensor					1.Active 2.Not active	
CAR MEMORY\ANTI-THEFT SYSTEM\Interior lighting\Arm/disarm					1.remote control 2.locks and remote control	
CAR MEMORY\ANTI-THEFT SYSTEM\Interior lighting\Acknowledge\Disarm visually					1.Active 2.Not active	
CAR MEMORY\ANTI-THEFT SYSTEM\Interior lighting\Acknowledge\Arm visually					1.Active 2.Not active	
CAR MEMORY\ANTI-THEFT SYSTEM\Interior lighting\Acknowledge\Arm visually, lids closed					1.Active 2.Not active	
CAR MEMORY\CENTRAL LOCKING\RC interior light					1.Active 2.Not active	

CAR MEMORY\CENTRAL LOCKING\Open luggage compartment via remote control					1.when disarmed 2.always	
CAR MEMORY\CENTRAL LOCKING\Lock again 2 min after unlocking without opening					1.Active 2.Not active	
CAR MEMORY\CENTRAL LOCKING\Automatic locking after starting off					1.Active 2.Not active	
CAR MEMORY\CENTRAL LOCKING\Centre lock button, when locked					1.Active 2.Not active	
CAR MEMORY\CENTRAL LOCKING\Entrance aid					1.Active 2.Not active	
Service functions					1. Key Test 2. Display status of all keys 3. Disable/Enable key	

BMW 3 Series E 46 driver

DME Digital Motor Electronics	Info	err. code	data	Actuat.	1.Clear Adaptations 2.DME/DDE-EWS adjustment 3.CO adjustment 4.Air-mass flow sensor adaptation	
EGS Transmission control	Info	err. code	data	Actuat.		
EWS (Elec. immobilize system)	Info	err. code	data	Actuat.		

BMW 3 Series E 46 chassis

ABS Antilock brake	Info	err. code	data	Actuat.		
LEW (Steering-angle sensor)	Info	err. code	data	Actuat.		
MFL (Multi-function steering wheel)	Info	err. code	data	Actuat.		
RDC (Tyre pressure control)	Info	err. code	data	Actuat.		

BMW 3 Series E 46 body

BIT (Basis Interface Telephone)	Info	err. code	data	Actuat.		
BM (On-board monitor)	Info	err. code	data	Actuat.		
CVM Convertible-top module	Info	err. code	data	Actuat.		
GR (Cruise control)	Info	err. code	data	Actuat.		
IHKA/IHKR (AC/heater)	Info	err. code	data	Actuat.		
IKE/IKI/KOMBI	Info	err. code	data	Actuat.	1.Reset service interval indicator	
LSZ/LCM (Light switching center)	Info	err. code	data	Actuat.		
PDC Park Distance Control	Info	err. code	data	Actuat.		
RAD (Radio)	Info	err. code	data	Actuat.		
SHD Sliding/tilting sunroof	Info	err. code	data	Actuat.		
SMB (Entrance aid,passenger)	Info	err. code	data	Actuat.		
SMF (Seat memory,driver)	Info	err. code	data	Actuat.		
SPMBT (Mirror memory,passenger)	Info	err. code	data	Actuat.		
SPMFT (Mirror memory,driver)	Info	err. code	data	Actuat.		
SRS (Air bag)	Info	err. code	data	Actuat.		
SZM (Switching center, center console)	Info	err. code	data	Actuat.		
URS (Rollover sensor)	Info	err. code	data	Actuat.		

BMW 3 Series E 46 Coding / Program

ZCS/FA Coding					1.Display Coding code and print	
ZCS/FA Coding \ Recoding \ ABS					1.ABS 2.LCM/LSZ 3.GM(ZKE)	
CAR MEMORY\LIGHTING\External lights\Daytime driving light					1.Active 2.Not active	
CAR MEMORY\LIGHTING\External lights\Home lights					1.Not active 2.40 s 3.90 s 4.150 s 5.240 s	
CAR MEMORY\LIGHTING\Interior lighting\ON during unlock					1.Active 2.Not active	
CAR MEMORY\LIGHTING\Interior lighting\ON at terminal R off, light on beforehand					1.Active 2.Not active	
CAR MEMORY\LIGHTING\Interior lighting\Soft ON/OFF					1.Active 2.Not active	
CAR MEMORY\ANTI-THEFT SYSTEM\Interior lighting\Interior sensor					1.Active 2.Not active	

CAR MEMORY\ANTI-THEFT SYSTEM\Interior lighting\Tilt alarm sensor					1.Active 2.Not active	
CAR MEMORY\ANTI-THEFT SYSTEM\Interior lighting\Arm/disarm					1.remote control 2.locks and remote control	
CAR MEMORY\ANTI-THEFT SYSTEM\Interior lighting\Acknowledge\Disarm visually					1.Active 2.Not active	
CAR MEMORY\ANTI-THEFT SYSTEM\Interior lighting\Acknowledge\Arm visually					1.Active 2.Not active	
CAR MEMORY\ANTI-THEFT SYSTEM\Interior lighting\Acknowledge\Arm visually, lids closed					1.Active 2.Not active	
CAR MEMORY\CENTRAL LOCKING\RC interior light					1.Active 2.Not active	
CAR MEMORY\CENTRAL LOCKING\Open luggage compartment via remote control					1.when disarmed 2.always	
CAR MEMORY\CENTRAL LOCKING\Lock again 2 min after unlocking without opening					1.Active 2.Not active	
CAR MEMORY\CENTRAL LOCKING\Automatic locking after starting off					1.Active 2.Not active	
CAR MEMORY\CENTRAL LOCKING\Centre lock button, when locked					1.Active 2.Not active	
CAR MEMORY\CENTRAL LOCKING\Entrance aid					1.Active 2.Not active	
Service functions					1. Key Test 2. Display status of all keys 3. Disable/Enable key	
BMW 3 Series E 90/91/92/93 driver						
CAS Car Access System	Info	err. code	data	Actuat.	1.Personalisation key number 2.Disable_enable key	
DDE Diesel Electronics	Info	err. code	data	Actuat.	1.DDE-CAS adjustment 2.Air-mass flow sensor adaptation 3.Regeneration, particulate filter 4.Idle speed adjustment 5.Exhaust-gas recirculation adjustment 6.Starting torque adjustment 7.Consumption calculation adjustment 8.Injector rate adjustment 9.Quantity mean-value adaptation 10.Reset variants 11.Bleeding, fuel system 12.EOBD readiness codes 13.Read measured values 14.Register battery change	
DME Digital Motor Electronics	Info	err. code	data	Actuat.	1.DME-CAS adjustment 2.CO adjustment 3.Clear adaptations	
EGS Transmission control	Info	err. code	data	Actuat.	1.Reset adaptation values 2.Reset learning functions 3.Mechatronics adjustment 4.Oil-level adjustment	
GWS Gear selector switch	Info	err. code	data	Actuat.		
EKPS Fuel-pump control	Info	err. code	data	Actuat.		
VTC Valvetronic	Info	err. code	data	Actuat.		
VTC2 Valvetronic 2	Info	err. code	data	Actuat.		
VTG Transfer case	Info	err. code	data	Actuat.		
BMW 3 Series E 90/91/92/93 chassis						
AL Active steering	Info	err. code	data	Actuat.		
ARS Dynamic Drive	Info	err. code	data	Actuat.		
DSC Dynamic Stability Control	Info	err. code	data	Actuat.	1.Bleed routine	
EDCSHL Damper satellite, rear left	Info	err. code	data	Actuat.		
EDCSHR Damper satellite, rear right	Info	err. code	data	Actuat.		
EDCSVL Damper satellite, front left	Info	err. code	data	Actuat.		

EDCSVR Damper satellite, front right	Info	err. Code	data	Actuat.		
EHC Electronic Ride-Height Control	Info	err. code	data	Actuat.		
EMF Parking brake	Info	err. code	data	Actuat.		
LDM Longitudinal Dynamics Management						
RDC Tyre pressure control	Info	err. code	data	Actuat.		
VDM Vertical Dynamics Management	Info	err. code	data	Actuat.		
BMW 3 Series E 90/91/92/93 body						
ACSM Crash Safety Module	Info	err. code	data	Actuat.		
AHM Trailer module	Info	err. code	data	Actuat.		
AMPH Hi-Fi amplifier	Info	err. code	data	Actuat.		
AMPT Top Hi-Fi amplifier	Info	err. code	data	Actuat.		
CA Comfort Access	Info	err. code	data	Actuat.		
CCC-A Applications	Info	err. code	data	Actuat.		
CCC-ANT Aerial tuner	Info	err. code	data	Actuat.		
CCC-ASK Audio system controller	Info	err. code	data	Actuat.		
CCC-BO User interface	Info	err. code	data	Actuat.		
CCC-GW Gateway	Info	err. code	data	Actuat.		
CDC CD Changer	Info	err. code	data	Actuat.		
CHAMP-BO User interface	Info	err. code	data	Actuat.		
CHAMP-GW Gateway	Info	err. code	data	Actuat.		
CID Central Information Display	Info	err. code	data	Actuat.		
CNAV Navigation system, China	Info	err. code	data	Actuat.		
CON Controller	Info	err. code	data	Actuat.		
DAB Digital tuner	Info	err. code	data	Actuat.		
DVD-C DVD Changer	Info	err. code	data	Actuat.		
FD Rear-compartment display	Info	err. code	data	Actuat.		
FKA Rear heater/air conditioning	Info	err. code	data	Actuat.		
FLA High Beam Assist	Info	err. code	data	Actuat.		
FRM2 Footwell module 2	Info	err. code	data	Actuat.		
FZD Function centre, roof	Info	err. code	data	Actuat.	1.Initializ rain sensor	
HKL Rear-lid lift	Info	err. code	data	Actuat.		
HUD Head-Up Display	Info	err. code	data	Actuat.		
IBOC Digital tuner US	Info	err. code	data	Actuat.		
IHKA Integrated automatic heating/air conditioning	Info	err. code	data	Actuat.	1.Flap motors 2.Coolant compressor	
INSTR Instrument cluster	Info	err. code	data	Actuat.		
ument cluster	Info	err. code	data	Actuat.		
JBE2 Junction Box electronics 2	Info	err. code	data	Actuat.		
JNAV Navigation system, Japan	Info	err. code	data	Actuat.		
KHM Headphones moudule	Info	err. code	data	Actuat.		
KNAV Navigation system, Korea	Info	err. code	data	Actuat.		
M-ASK-BO User interface	Info	err. code	data	Actuat.		
M-ASK-GW Gateway	Info	err. code	data	Actuat.		
PDC Park Distance Control	Info	err. code	data	Actuat.		
RFK Reversing camera	Info	err. code	data	Actuat.		
RLSS Rain/light solar sensor	Info	err. code	data	Actuat.	1.Initializ rain sensor	
RSE Rear Seat Entertainment	Info	err. code	data	Actuat.		
SDARS satellite tuner	Info	err. code	data	Actuat.		
SINE Siren with tilt sensor	Info	err. code	data	Actuat.		
SMBF Seat module, passenger	Info	err. code	data	Actuat.		
SMFA Seat module, driver	Info	err. code	data	Actuat.		
TCU Telematic Control unit	Info	err. code	data	Actuat.		
ULF-SBX Interface box	Info	err. code	data	Actuat.		
ULF-SBX-H Interface box High	Info	err. code	data	Actuat.		
VM Video Module	Info	err. code	data	Actuat.		
VSW video switch	Info	err. code	data	Actuat.		
BMW 3 Series E 90/91/92/93 short test						
Short test	Info	err. code				
BMW 3 Series E 90/91/92/93 coding/program						

Maintenance \ CBS Reset					1.Engine Oil 2.Microfilter 3.Front barke 4.Rear brake 5.Vehicle check 6.Spark plugs 7.Brake fluid 8.Vehicle inspection 9.Exhaust emission inspection 10.Diesel narticle filter	
Maintenance \ CBS Correct					1.Engine Oil 2.Microfilter 3.Front barke 4.Rear brake 5.Vehicle check 6.Spark plugs 7.Brake fluid 8.Diesel particle filter	
Maintenance					1.Delete transport mode	
Service functions					1.Adjustment, Steering-angle sensor	
BMW 3 Series E 28 driver						
DME Digital Motor Electronics	Info	err. code	data	Actuat.		
EGS Transmission control	Info	err. code	data	Actuat.		
EWS (Elec. immobilize system)	Info	err. code	data	Actuat.		
BMW 3 Series E 28 chassis						
ABS Antilock brake	Info	err. code	data	Actuat.		
EHC/EDC (Signal-axle air suspension)	Info	err. code	data	Actuat.		
BMW 3 Series E 28 body						
ADS Throttle-Valve Control	Info	err. code	data	Actuat.		
AHK (Active-Axle Kinematics)	Info	err. code	data	Actuat.		
CVM Convertible-top module	Info	err. code	data	Actuat.		
DWA Antitheft alarm system	Info	err. code	data	Actuat.		
EKM (Electronic Body Module)	Info	err. code	data	Actuat.		
EML (Elec. throttle)	Info	err. code	data	Actuat.		
FHK (Rear Heater A/C System)	Info	err. code	data	Actuat.		
GR (Cruise control)	Info	err. code	data	Actuat.		
GSA (Closed-Loop-Controlled Differential-Lock AWD)	Info	err. code	data	Actuat.		
IHKA/IHKR (AC/heater)	Info	err. code	data	Actuat.		
IKE/IKI/KOMBI	Info	err. code	data	Actuat.		
LSZ/LCM (Light switching center)	Info	err. code	data	Actuat.		
MID (Multi Information Display)	Info	err. code	data	Actuat.		
PDC Park Distance Control	Info	err. code	data	Actuat.		
RAD (Radio)	Info	err. code	data	Actuat.		
SHD Sliding/tilting sunroof	Info	err. code	data	Actuat.		
SPM/SM	Info	err. code	data	Actuat.		
SRS (Air bag)	Info	err. code	data	Actuat.		
URS (Rollover sensor)	Info	err. code	data	Actuat.		
VMX (Top-speed Regulation)	Info	err. code	data	Actuat.		
VNC (Variable Camshaft Control)	Info	err. code	data	Actuat.		
XEN (XENON LIGHTS)	Info	err. code	data	Actuat.		
ZKE (Central body electronic)	Info	err. code	data	Actuat.		
BMW 3 Series E 28 coding/program						
ZCS/FA Coding					1.Display Coding code and print	
Service functions					1. Key Test 2. Display status of all keys 3. Disable/Enable key	
BMW 3 Series E 34 driver						
DME Digital Motor Electronics	Info	err. code	data	Actuat.		
EGS Transmission control	Info	err. code	data	Actuat.		
EWS (Elec. immobilize system)	Info	err. code	data	Actuat.		
BMW 3 Series E 34 chassis						
ABS Antilock brake	Info	err. code	data	Actuat.		
EHC/EDC (Signal-axle air suspension)	Info	err. code	data	Actuat.		
BMW 3 Series E 34 body						
ADS Throttle-Valve Control	Info	err. code	data	Actuat.		
AHK (Active-Axle Kinematics)	Info	err. code	data	Actuat.		
CVM Convertible-top module	Info	err. code	data	Actuat.		

DWA Antitheft alarm system	Info	err. code	data	Actuat.		
EKM (Electronic Body Module)	Info	err. code	data	Actuat.		
EML (Elec. throttle)	Info	err. code	data	Actuat.		
FHK (Rear Heater A/C System)	Info	err. code	data	Actuat.		
GR (Cruise control)	Info	err. code	data	Actuat.		
GSA (Closed-Loop-Controlled Differential-Lock AWD)	Info	err. code	data	Actuat.		
IHKA/IHKR (AC/heater)	Info	err. code	data	Actuat.		
IKE/IKI/KOMBI	Info	err. code	data	Actuat.		
LSZ/LCM (Light switching center)	Info	err. code	data	Actuat.		
MID (Multi Information Display)	Info	err. code	data	Actuat.		
PDC Park Distance Control	Info	err. code	data	Actuat.		
RAD (Radio)	Info	err. code	data	Actuat.		
SHD Sliding/tilting sunroof	Info	err. code	data	Actuat.		
SPM/SM	Info	err. code	data	Actuat.		
SRS (Air bag)	Info	err. code	data	Actuat.		
URS (Rollover sensor)	Info	err. code	data	Actuat.		
VMX (Top-speed Regulation)	Info	err. code	data	Actuat.		
VNC (Variable Camshaft Control)	Info	err. code	data	Actuat.		
XEN (XENON LIGHTS)	Info	err. code	data	Actuat.		
ZKE (Central body electronic)	Info	err. code	data	Actuat.		
BMW 3 Series E 34 coding/program						
ZCS/FA Coding					1.Display Coding code and print	
Service functions					1. Key Test 2. Display status of all keys 3. Disable/Enable key	
BMW 3 Series E 39 driver						
DME Digital Motor Electronics	Info	err. code	data	Actuat.	1.Clear Adaptations 2.DME-EWS adjustment 3.CO adjustment	
EGS Transmission control	Info	err. code	data	Actuat.		
EWS (Elec. immobilize system)	Info	err. code	data	Actuat.		
BMW 3 Series E 39 chassis						
ABS Antilock brake	Info	err. code	data	Actuat.		
EHC/EDC (Signal-axle air suspension)	Info	err. code	data	Actuat.		
LEW (Steering-angle sensor)	Info	err. code	data	Actuat.		
MFL (Multi-function steering wheel)	Info	err. code	data	Actuat.		
BMW 3 Series E 39 body						
AIC (Automatic Interval Control)	Info	err. code	data	Actuat.		
BM (On-board monitor)	Info	err. code	data	Actuat.		
GR (Cruise control)	Info	err. code	data	Actuat.		
IHKA/IHKR (AC/heater)	Info	err. code	data	Actuat.		
IKE/IKI/KOMBI	Info	err. code	data	Actuat.	1.Reset service interval indicator	
LSZ/LCM (Light switching center)	Info	err. code	data	Actuat.		
MID (Multi Information Display)	Info	err. code	data	Actuat.		
NAV Navigation system	Info	err. code	data	Actuat.		
PDC Park Distance Control	Info	err. code	data	Actuat.		
RAD (Radio)	Info	err. code	data	Actuat.		
SES (Language-input system)	Info	err. code	data	Actuat.		
SHD Sliding/tilting sunroof	Info	err. code	data	Actuat.		
SPM/SM	Info	err. code	data	Actuat.		
SRS (Air bag)	Info	err. code	data	Actuat.		
SZM (Switching center, center console)	Info	err. code	data	Actuat.		
VID (Video Module)	Info	err. code	data	Actuat.		
DSP (Digital Sound Processor)	Info	err. code	data	Actuat.		
STH (Park heating)	Info	err. code	data	Actuat.		
ZKE (Central body electronic)	Info	err. code	data	Actuat.		
BMW 3 Series E 39 coding/prograam						
ZCS/FA Coding					1.Display Coding code and print	
ZCS/FA Coding \ Recoding					1.ABS 2.IHKA 3.LCM/LSZ 4.SRS 5.EWS	
CAR MEMORY\LIGHTING\External lights\Daytime driving light					1.Active 2.Not active	

CAR MEMORY\LIGHTING\External lights\Home lights					1.Not active 2.40 s 3.90 s 4.150 s 5.240 s	
CAR MEMORY\LIGHTING\Interior lighting\ON during unlock					1.Active 2.Not active	
CAR MEMORY\LIGHTING\Interior lighting\ON at terminal R off, light on beforehand					1.Active 2.Not active	
CAR MEMORY\LIGHTING\Interior lighting\Soft ON/OFF					1.Active 2.Not active	
CAR MEMORY\ANTI-THEFT SYSTEM\Interior lighting\Interior sensor					1.Active 2.Not active	
CAR MEMORY\ANTI-THEFT SYSTEM\Interior lighting\Tilt alarm sensor					1.Active 2.Not active	
CAR MEMORY\ANTI-THEFT SYSTEM\Interior lighting\Arm/disarm					1.remote control 2.locks and remote control	
CAR MEMORY\ANTI-THEFT SYSTEM\Interior lighting\Acknowledge\Disarm visually					1.Active 2.Not active	
CAR MEMORY\ANTI-THEFT SYSTEM\Interior lighting\Acknowledge\Arm visually					1.Active 2.Not active	
CAR MEMORY\ANTI-THEFT SYSTEM\Interior lighting\Acknowledge\Arm visually, lids closed					1.Active 2.Not active	
CAR MEMORY\CENTRAL LOCKING\RC interior light					1.Active 2.Not active	
CAR MEMORY\CENTRAL LOCKING\Open luggage compartment via remote control					1.when disarmed 2.always	
CAR MEMORY\CENTRAL LOCKING\Lock again 2 min after unlocking without opening					1.Active 2.Not active	
CAR MEMORY\CENTRAL LOCKING\Automatic locking after starting off					1.Active 2.Not active	
CAR MEMORY\CENTRAL LOCKING\Centre lock button, when locked					1.Active 2.Not active	
CAR MEMORY\CENTRAL LOCKING\Entrance aid					1.Active 2.Not active	
Service functions					1. Key Test 2. Display status of all keys 3. Disable/Enable key	

BMW 5 Series E 60/61 driver						
CAS Car Access System	Info	err. code	data	Actuat.	1.Personalisation key number 2.Disable_enable key	
DDE Diesel Electronics	Info	err. code	data	Actuat.	1.DDE-CAS adjustment 2.Air-mass flow sensor adaptation 3.Regeneration, particulate filter 4.Idle speed adjustment 5.Exhaust-gas recirculation adjustment 6.Starting torque adjustment 7.Consumption calculation adjustment 8.Injector rate adjustment 9.Quantity mean-value adaptation 10.Reset variants 11.Bleeding, fuel system 12.EOBD readiness codes 13.Read measured values 14.Register battery change	
DME Digital Motor Electronics	Info	err. code	data	Actuat.	1.DME-CAS adjustment 2.CO adjustment 3.Clear adaptations	
EGS Transmission control	Info	err. code	data	Actuat.	1.Reset adaptation values 2.Reset learning functions 3.Mechatronics adjustment 4.Oil-level adjustment	

EKPS Fuel-pump control	Info	err. code	data	Actuat.		
GWS Gear selector switch	Info	err. code	data	Actuat.		
SMG Sequential Manual Gearbox	Info	err. code	data	Actuat.		
BMW 5 Series E 60/61 chassis						
ACC Active Cruise Control	Info	err. code	data	Actuat.		
ACC2 Active Cruise Control 2	Info	err. code	data	Actuat.		
AL Active steering	Info	err. code	data	Actuat.		
ARS Dynamic Drive	Info	err. code	data	Actuat.		
DSC Dynamic Stability Control	Info	err. code	data	Actuat.	1.Bleed routine	
DSC Dynamic Stability Control PLUS	Info	err. code	data	Actuat.	1.Bleed routine	
DSC Dynamic Stability Control Premium	Info	err. code	data	Actuat.	1.Bleed routine	
EDC Damper Control	Info	err. code	data	Actuat.		
EHC Electronic Ride-Height Control	Info	err. code	data	Actuat.		
LDM Longitudinal Dynamics Management	Info	err. code	data	Actuat.		
LRR Long-range sensor	Info	err. code	data	Actuat.		
RDC Tyre pressure control	Info	err. code	data	Actuat.		
BMW 5 Series E 60/61 body						
ACSM Crash Safety Module	Info	err. code	data	Actuat.		
AHL Adaptive directional headlights	Info	err. code	data	Actuat.		
AHM Trailer module	Info	err. code	data	Actuat.		
ALBBF active backrest width, front passenger	Info	err. code	data	Actuat.		
ALBFA active backrest width, driver	Info	err. code	data	Actuat.	1.ALBFA initalization	
AMP Amplifier	Info	err. code	data	Actuat.		
CA Comfort Access	Info	err. code	data	Actuat.		
CCC-A Applications	Info	err. code	data	Actuat.		
CCC-ANT Aerial tuner	Info	err. code	data	Actuat.		
CCC-ASK Audio system controller	Info	err. code	data	Actuat.		
CCC-BO User interface	Info	err. code	data	Actuat.		
CCC-GW Gateway	Info	err. code	data	Actuat.		
CDC CD Changer	Info	err. code	data	Actuat.		
CHAMP-BO User interface	Info	err. code	data	Actuat.		
CHAMP-GW Gateway	Info	err. code	data	Actuat.		
CIC Car Inforamtion Computer	Info	err. code	data	Actuat.		
CIC GW Gateway	Info	err. code	data	Actuat.		
CID Central Information Display	Info	err. code	data	Actuat.		
CNAV Navigation system, China	Info	err. code	data	Actuat.		
CON Controller	Info	err. code	data	Actuat.		
DVD-C DVD Changer	Info	err. code	data	Actuat.		
DAB Digital tuner	Info	err. code	data	Actuat.		
DWA Antitheft alarm system	Info	err. code	data	Actuat.		
FD Rear-compartment display	Info	err. code	data	Actuat.		
FLA High Beam Assist	Info	err. code	data	Actuat.		
HKL Rear-lid lift	Info	err. code	data	Actuat.		
HUD Head-Up Display	Info	err. code	data	Actuat.		
IHKA Integrated automatic heating/air conditioning	Info	err. code	data	Actuat.	1.Flap motors 2.Coolant compressor	
IHKA2 Integrated automatic heating/air conditiong	Info	err. code	data	Actuat.		
INSTR Instrument cluster	Info	err. code	data	Actuat.		
ument cluster	Info	err. code	data	Actuat.		
JNAV Navigation system, Japan	Info	err. code	data	Actuat.		
KBM Body Basic Module	Info	err. code	data	Actuat.		
KGM Body Gateway Module	Info	err. code	data	Actuat.		
KHI Headset interface	Info	err. code	data	Actuat.		
KNAV Navigation system, Korea	Info	err. code	data	Actuat.		
LM2 AHL2 Light module 2 with adaptive headlight 2	Info	err. code	data	Actuat.		
LM2 Light Module 2	Info	err. code	data	Actuat.		
LM2 Light Module 2 with adpative headlight	Info	err. code	data	Actuat.		
M-ASK-BO User interface	Info	err. code	data	Actuat.		
M-ASK-GW Gateway	Info	err. code	data	Actuat.		
M-ASK-NAV Navigation system	Info	err. code	data	Actuat.		
MPM Micro-power module	Info	err. code	data	Actuat.	Register battery change	
NVE Night Vision Electronics	Info	err. code	data	Actuat.		
NVK Night Vision camera	Info	err. code	data	Actuat.		

PDC Park Distance Control	Info	err. code	data	Actuat.		
RLS Rain/Light Sensor	Info	err. code	data	Actuat.	1.Initializ rain sensor	
RLSS Rain/light solar sensor	Info	err. code	data	Actuat.	1.Initializ rain sensor	
SBSL Satellite, B-pillar, left	Info	err. code	data	Actuat.		
SBSR Satellite, B-pillar, right	Info	err. code	data	Actuat.		
SDARS satellite tuner	Info	err. code	data	Actuat.		
SFZ Satellite vehicle centre	Info	err. code	data	Actuat.		
SGM-SIM Safety and Gateway Module (SIM)	Info	err. code	data	Actuat.		
SGM-ZGM Safety and Gateway Module (ZGM)	Info	err. code	data	Actuat.		
SHD Sliding/tilting sunroof	Info	err. code	data	Actuat.	1.Delivery position 2.Initialize slide_tilt sunroof	
SHZH Independent/auxiliary heater	Info	err. code	data	Actuat.		
SINE Siren with tilt sensor	Info	err. code	data	Actuat.		
SMBF Seat module, passenger	Info	err. code	data	Actuat.		
SMFA Seat module, driver	Info	err. code	data	Actuat.		
SVS Language processing system	Info	err. code	data	Actuat.		
SZL Switch center, steering column	Info	err. code	data	Actuat.		
SZL Steering column switch centre 2	Info	err. code	data	Actuat.		
SZM/BZM Switching/Control center, center console	Info	err. code	data	Actuat.		
TCU Telematic Control unit	Info	err. code	data	Actuat.		
TLC Lane Departure Warning	Info	err. code	data	Actuat.		
TMBF Door module, front	Info	err. code	data	Actuat.		
TMFA Door module, driver	Info	err. code	data	Actuat.		
ULF Universal charging and hands-free facility	Info	err. code	data	Actuat.		
ULF-SBX Interface box	Info	err. code	data	Actuat.		
ULF-SBX-H Interface box High	Info	err. code	data	Actuat.		
VM Video Module	Info	err. code	data	Actuat.		
BMW 5 Series E 60/61 short test						
Short test	Info	err. code				
BMW 5 Series E 60/61 program/coding						
Maintenance \ CBS Reset					1.Engine Oil 2.Microfilter 3.Front barke 4.Rear brake 5.Vehicle check 6.Spark plugs 7.Brake fluid 8.Vehicle inspection 9.Exhaust emission inspection 10.Diesel narticle filter	
Maintenance \ CBS Correct					1.Engine Oil 2.Microfilter 3.Front barke 4.Rear brake 5.Vehicle check 6.Spark plugs 7.Brake fluid 8.Diesel particle filter	
Maintenance					1.Delete transport mode	
Service functions					1.Adjustment, Steering-angle sensor	
BMW 5 Series GT(F07) driver						
CAS Car Access System	Info	err. code	data	Actuat.		
DME/DDE Digital motor/Diesel electronics	Info	err. code	data	Actuat.		
DME2 Digital Motor Electronics 2	Info	err. code	data	Actuat.		
EKPS Electronic Fuel pump	Info	err. code	data	Actuat.		
EGS/SMG Transmission management	Info	err. code	data	Actuat.		
VTG Transfer case	Info	err. code	data	Actuat.		
EME Electrical machine electronics	Info	err. code	data	Actuat.		
GWS Gear selector switch	Info	err. code	data	Actuat.		
BMW 5 Series GT(F07) chassis						
SME Accumulator management electronics	Info	err. code	data	Actuat.		
AL Active steering	Info	err. code	data	Actuat.		
ICM Integrated chassis management	Info	err. code	data	Actuat.		

RDC Tyre pressure control	Info	err. code	data	Actuat.		
DSC Dynamic Stability Control	Info	err. code	data	Actuat.		
EMF Parking brake	Info	err. code	data	Actuat.		
HSR Rear-axle slip-angle control	Info	err. code	data	Actuat.		
EPS Electronic Power Steering	Info	err. code	data	Actuat.		
EHC Electronic Ride-Height Control	Info	err. code	data	Actuat.		
VDM Vertical Dynamics Management	Info	err. code	data	Actuat.		
EDCSVL Damper satellite, front left	Info	err. code	data	Actuat.		
EDCSVR Damper satellite, front right	Info	err. code	data	Actuat.		
EDCSHL Damper satellite, rear left	Info	err. code	data	Actuat.		
EDCSHR Damper satellite, rear right	Info	err. code	data	Actuat.		
BMW 5 Series GT(F07) body						
JBE Junction-box electronics	Info	err. code	data	Actuat.		
ACSM Crash Safety Module	Info	err. code	data	Actuat.		
SZL Switch center steering column	Info	err. code	data	Actuat.		
TR SVC All round view camera	Info	err. code	data	Actuat.		
SWW Lane change warning	Info	err. code	data	Actuat.		
ZGM Central Gateway Module	Info	err. code	data	Actuat.		
RSE Rear Seat Entertainment	Info	err. code	data	Actuat.		
TCU/ULF Telephone	Info	err. code	data	Actuat.		
HUD Head-Up Display	Info	err. code	data	Actuat.		
VSW video switch	Info	err. code	data	Actuat.		
SEC Supplementary control unit	Info	err. code	data	Actuat.		
SEC2 Supplementary control unit 2	Info	err. code	data	Actuat.		
VM Video Module	Info	err. code	data	Actuat.		
EMALI Left electric motor reel	Info	err. code	data	Actuat.		
EMARE Right electric motor reel	Info	err. code	data	Actuat.		
FZD Function centre, roof	Info	err. code	data	Actuat.		
NVE Night Vision Electronics	Info	err. code	data	Actuat.		
KAFAS Camera based driver assist systems	Info	err. code	data	Actuat.		
FLA High Beam Assist	Info	err. code	data	Actuat.		
INSTR Instrument cluster	Info	err. code	data	Actuat.		
CIC/CHAMP Car headunit platform	Info	err. code	data	Actuat.		
PDC Park Distance Control	Info	err. code	data	Actuat.		
CON Controller	Info	err. code	data	Actuat.		
FCON Rear Compartment controller	Info	err. code	data	Actuat.		
SMFAH Seat module, driver's side rear	Info	err. code	data	Actuat.		
SMBFH Seat module, passenger's side rear	Info	err. code	data	Actuat.		
HKL Rear-lid lift	Info	err. code	data	Actuat.		
SMFA Seat module, driver	Info	err. code	data	Actuat.		
SMBF Seat module, passenger	Info	err. code	data	Actuat.		
AHM Trailer module	Info	err. code	data	Actuat.		
FRM Footwell Module	Info	err. code	data	Actuat.		
CID Central Information Display	Info	err. code	data	Actuat.		
FD Rear compartment display	Info	err. code	data	Actuat.		
FD2 Rear compartment display 2	Info	err. code	data	Actuat.		
RFK Reversing camera	Info	err. code	data	Actuat.		
IHKA Integrated automatic heating/air conditioning	Info	err. code	data	Actuat.		
FKA Rear-cabin automatic A/C	Info	err. code	data	Actuat.		
HKA Rear-cabin automatic A/C	Info	err. code	data	Actuat.		
BMW 5 Series GT(F07) short test						
Short test	Info	err. code				
BMW 6 Series E 24 driver						
DME Digital Motor Electronics	Info	err. code	data	Actuat.		
EGS Transmission control	Info	err. code	data	Actuat.		
EML (Elec. throttle)	Info	err. code	data	Actuat.		
GR (Cruise control)	Info	err. code	data	Actuat.		
EWS (Elec. immobilize system)	Info	err. code	data	Actuat.		
BMW 6 Series E 24 chassis						
ABS Antilock brake	Info	err. code	data	Actuat.		
ADS Throttle-Valve Control	Info	err. code	data	Actuat.		
EHC/EDC (Signal-axle air suspension)	Info	err. code	data	Actuat.		
BMW 6 Series E 24 body						
CVM Convertible-top module	Info	err. code	data	Actuat.		

DWA Antitheft alarm system	Info	err. code	data	Actuat.		
EKM (Electronic Body Module)	Info	err. code	data	Actuat.		
IHKA/IHKR (AC/heater)	Info	err. code	data	Actuat.		
IKE/IKI/KOMBI	Info	err. code	data	Actuat.		
LSZ/LCM (Light switching center)	Info	err. code	data	Actuat.		
MID (Multi Information Display)	Info	err. code	data	Actuat.		
PDC Park Distance Control	Info	err. code	data	Actuat.		
RAD (Radio)	Info	err. code	data	Actuat.		
SHD Sliding/tilting sunroof	Info	err. code	data	Actuat.		
SPM/SM	Info	err. code	data	Actuat.		
SRS (Air bag)	Info	err. code	data	Actuat.		
URS (Rollover sensor)	Info	err. code	data	Actuat.		
VMX (Top-speed Regulation)	Info	err. code	data	Actuat.		
VNC (Variable Camshaft Control)	Info	err. code	data	Actuat.		
XEN (XENON LIGHTS)	Info	err. code	data	Actuat.		
ZKE (Central body electronic)	Info	err. code	data	Actuat.		
BMW 6 Series E 24 coding/program						
ZCS/FA Coding					1.Display Coding code and print	
Service functions					1. Key Test 2. Display status of all keys 3. Disable/Enable key	
BMW 6 Series E 63/64 driver						
CAS Car Access System	Info	err. code	data	Actuat.	1.Personalisation key number 2.Disable_enable key	
DDE Diesel Electronics	Info	err. code	data	Actuat.	1.DDE-CAS adjustment 2.Air-mass flow sensor adaptation 3.Regeneration, particulate filter 4.Idle speed adjustment 5.Exhaust-gas recirculation adjustment 6.Starting torque adjustment 7.Consumption calculation adjustment 8.Injector rate adjustment 9.Quantity mean-value adaptation 10.Reset variants 11.Bleeding, fuel system 12.EOBD readiness codes 13.Read measured values 14.Register battery change	
DME Digital Motor Electronics	Info	err. code	data	Actuat.	1.DME-CAS adjustment 2.CO adjustment 3.Clear adaptations	
EGS Transmission control	Info	err. code	data	Actuat.	1.Reset adaptation values 2.Reset learning functions 3.Mechatronics adjustment 4.Oil-level adjustment	
EKPS Fuel-pump control	Info	err. code	data	Actuat.		
GWS Gear selector switch	Info	err. code	data	Actuat.		
SMG Sequential Manual Gearbox	Info	err. code	data	Actuat.		
VTC Valvetronic	Info	err. code	data	Actuat.		
VTC2 Valvetronic 2	Info	err. code	data	Actuat.		
BMW 6 Series E 63/64 chassis						
ACC2 Active Cruise Control 2	Info	err. code	data	Actuat.		
AL Active steering	Info	err. code	data	Actuat.		
ARS Dynamic Drive 2	Info	err. code	data	Actuat.		
DSC Dynamic Stability Control	Info	err. code	data	Actuat.	1.Bleed routine	
DSC Dynamic Stability Control PLUS	Info	err. code	data	Actuat.	1.Bleed routine	
DSC Dynamic Stability Control Premium	Info	err. code	data	Actuat.	1.Bleed routine	
EDC Damper Control	Info	err. code	data	Actuat.		
LDM Longitudinal Dynamics Management	Info	err. code	data	Actuat.		
LRR Long-range sensor	Info	err. code	data	Actuat.		
RDC Tyre pressure control	Info	err. code	data	Actuat.		
BMW 6 Series E 63/64 body						
ACSM Crash Safety Module	Info	err. code	data	Actuat.		
AHL Adaptive directional headlights	Info	err. code	data	Actuat.		
AMP Amplifier	Info	err. code	data	Actuat.		
CA Comfort Access	Info	err. code	data	Actuat.		

CCC-A Applications	Info	err. code	data	Actuat.		
CCC-ANT Aerial tuner	Info	err. code	data	Actuat.		
CCC-ASK Audio system controller	Info	err. code	data	Actuat.		
CCC-BO User interface	Info	err. code	data	Actuat.		
CCC-GW Gateway	Info	err. code	data	Actuat.		
CDC CD Changer	Info	err. code	data	Actuat.		
CHAMP-BO User interface	Info	err. code	data	Actuat.		
CHAMP-GW Gateway	Info	err. code	data	Actuat.		
CID Central Information Display	Info	err. code	data	Actuat.		
CNAV Navigation system, China	Info	err. code	data	Actuat.		
CON Controller	Info	err. code	data	Actuat.		
CVM Convertible-top module	Info	err. code	data	Actuat.		
DAB Digital tuner	Info	err. code	data	Actuat.		
DVD-C DVD Changer	Info	err. code	data	Actuat.		
DWA Antitheft alarm system	Info	err. code	data	Actuat.		
FLA High Beam Assist	Info	err. code	data	Actuat.		
HUD Head-Up Display	Info	err. code	data	Actuat.		
IBOC Digital tuner US	Info	err. code	data	Actuat.		
IHKA Integrated automatic heating/air conditioning	Info	err. code	data	Actuat.	1.Flap motors 2.Coolant compressor	
IHKA2 Integrated automatic heating/air conditiong	Info	err. code	data	Actuat.		
INSTR Instrument cluster	Info	err. code	data	Actuat.		
ument cluster	Info	err. code	data	Actuat.		
JNAV Navigation system, Japan	Info	err. code	data	Actuat.		
KBM Body Basic Module	Info	err. code	data	Actuat.		
KGM Body Gateway Module	Info	err. code	data	Actuat.		
KNAV Navigation system, Korea	Info	err. code	data	Actuat.		
LM2 AHL2 Light module 2 with adaptive headlight 2	Info	err. code	data	Actuat.		
LM2 Light Module 2	Info	err. code	data	Actuat.		
LM2 Light Module 2 with adpative headlight	Info	err. code	data	Actuat.		
M-ASK-BO User interface	Info	err. code	data	Actuat.		
M-ASK-GW Gateway	Info	err. code	data	Actuat.		
MPM Micro-power module	Info	err. code	data	Actuat.	Register battery change	
NVE Night Vision Electronics	Info	err. code	data	Actuat.		
NVK Night Vision camera	Info	err. code	data	Actuat.		
PDC Park Distance Control	Info	err. code	data	Actuat.		
RLS Rain/Light Sensor	Info	err. code	data	Actuat.	1.Initializ rain sensor	
RLSS Rain/light solar sensor	Info	err. code	data	Actuat.	1.Initializ rain sensor	
SBSL Satellite, B-pillar, left	Info	err. code	data	Actuat.		
SBSR Satellite, B-pillar, right	Info	err. code	data	Actuat.		
SDARS satellite tuner	Info	err. code	data	Actuat.		
SFZ Satellite vehicle centre	Info	err. code	data	Actuat.		
SGM-SIM Safety and Gateway Module (SIM)	Info	err. code	data	Actuat.		
SGM-ZGM Safety and Gateway Module (ZGM)	Info	err. code	data	Actuat.		
SHD Sliding/tilting sunroof	Info	err. code	data	Actuat.	1.Delivery position 2.Initialize slide_tilt sunroof	
SHZH Independent/auxiliary heater	Info	err. code	data	Actuat.		
SINE Siren with tilt sensor	Info	err. code	data	Actuat.		
SMBF Seat module, passenger	Info	err. code	data	Actuat.		
SMFA Seat module, driver	Info	err. code	data	Actuat.		
SVS Language processing system	Info	err. code	data	Actuat.		
SZL Switch center, steering column	Info	err. code	data	Actuat.		
SZL Steering column switch centre 2	Info	err. code	data	Actuat.		
SZM/BZM Switching/Control center, center console	Info	err. code	data	Actuat.		
TCU Telematic Control unit	Info	err. code	data	Actuat.		
TLC Lane Departure Warning	Info	err. code	data	Actuat.		
TMBF Door module, front	Info	err. code	data	Actuat.		
TMFA Door module, driver	Info	err. code	data	Actuat.		
ULF Universal charging and hands-free facility	Info	err. code	data	Actuat.		
ULF-SBX Interface box	Info	err. code	data	Actuat.		
ULF-SBX-H Interface box High	Info	err. code	data	Actuat.		
VM Video Module	Info	err. code	data	Actuat.		

Short test	Info	err. code				
BMW 6 Series E 63/64 coding/program						
Maintenance \ CBS Reset					1.Engine Oil 2.Microfilter 3.Front barke 4.Rear brake 5.Vehicle check 6.Spark plugs 7.Brake fluid 8.Vehicle inspection 9.Exhaust emission inspection 10.Diesel narticle filter	
Maintenance \ CBS Correct					1.Engine Oil 2.Microfilter 3.Front barke 4.Rear brake 5.Vehicle check 6.Spark plugs 7.Brake fluid 8.Diesel particle filter	
Maintenance					1.Delete transport mode	
Service functions					1.Adjustment, Steering-angle sensor	
BMW 7 Series E 23 driver						
DME Digital Motor Electronics	Info	err. code	data	Actuat.		
EGS Transmission control	Info	err. code	data	Actuat.		
EWS (Elec. immobilize system)	Info	err. code	data	Actuat.		
BMW 7 Series E 23 chassis						
ABS Antilock brake	Info	err. code	data	Actuat.		
EHC/EDC (Signal-axle air suspension)	Info	err. code	data	Actuat.		
BMW 7 Series E 23 body						
ADS Throttle-Valve Control	Info	err. code	data	Actuat.		
AHK (Active-Axle Kinematics)	Info	err. code	data	Actuat.		
CVM Convertible-top module	Info	err. code	data	Actuat.		
DWA Antitheft alarm system	Info	err. code	data	Actuat.		
EKM (Electronic Body Module)	Info	err. code	data	Actuat.		
EML (Elec. throttle)	Info	err. code	data	Actuat.		
FHK (Rear Heater A/C System)	Info	err. code	data	Actuat.		
GR (Cruise control)	Info	err. code	data	Actuat.		
GSA (Closed-Loop-Controlled Differential-Lock AWD)	Info	err. code	data	Actuat.		
IHKA/IHKR (AC/heater)	Info	err. code	data	Actuat.		
IKE/IKI/KOMBI	Info	err. code	data	Actuat.		
LSZ/LCM (Light switching center)	Info	err. code	data	Actuat.		
MID (Multi Information Display)	Info	err. code	data	Actuat.		
PDC Park Distance Control	Info	err. code	data	Actuat.		
RAD (Radio)	Info	err. code	data	Actuat.		
SHD Sliding/tilting sunroof	Info	err. code	data	Actuat.		
SPM/SM	Info	err. code	data	Actuat.		
SRS (Air bag)	Info	err. code	data	Actuat.		
URS (Rollover sensor)	Info	err. code	data	Actuat.		
VMX (Top-speed Regulation)	Info	err. code	data	Actuat.		
VNC (Variable Camshaft Control)	Info	err. code	data	Actuat.		
XEN (XENON LIGHTS)	Info	err. code	data	Actuat.		
ZKE (Central body electronic)	Info	err. code	data	Actuat.		
BMW 7 Series E 23 config/program						
ZCS/FA Coding					1.Display Coding code and print	
Service functions					1. Key Test 2. Display status of all keys 3. Disable/Enable key	
BMW 7 Series E 32 driver						
DME Digital Motor Electronics	Info	err. code	data	Actuat.		
EGS Transmission control	Info	err. code	data	Actuat.		
EWS (Elec. immobilize system)	Info	err. code	data	Actuat.		
BMW 7 Series E 32 chassis						
ABS Antilock brake	Info	err. code	data	Actuat.		
EHC/EDC (Signal-axle air suspension)	Info	err. code	data	Actuat.		
BMW 7 Series E 32 body						
ADS Throttle-Valve Control	Info	err. code	data	Actuat.		
AHK (Active-Axle Kinematics)	Info	err. code	data	Actuat.		

CVM Convertible-top module	Info	err. code	data	Actuat.		
DWA Antitheft alarm system	Info	err. code	data	Actuat.		
EKM (Electronic Body Module)	Info	err. code	data	Actuat.		
EML (Elec. throttle)	Info	err. code	data	Actuat.		
FHK (Rear Heater A/C System)	Info	err. code	data	Actuat.		
GR (Cruise control)	Info	err. code	data	Actuat.		
GSA (Closed-Loop-Controlled Differential-Lock AWD)	Info	err. code	data	Actuat.		
IHKA/IHKR (AC/heater)	Info	err. code	data	Actuat.		
IKE/IKI/KOMBI	Info	err. code	data	Actuat.		
LSZ/LCM (Light switching center)	Info	err. code	data	Actuat.		
MID (Multi Information Display)	Info	err. code	data	Actuat.		
PDC Park Distance Control	Info	err. code	data	Actuat.		
RAD (Radio)	Info	err. code	data	Actuat.		
SHD Sliding/tilting sunroof	Info	err. code	data	Actuat.		
SPM/SM	Info	err. code	data	Actuat.		
SRS (Air bag)	Info	err. code	data	Actuat.		
URS (Rollover sensor)	Info	err. code	data	Actuat.		
VMX (Top-speed Regulation)	Info	err. code	data	Actuat.		
VNC (Variable Camshaft Control)	Info	err. code	data	Actuat.		
XEN (XENON LIGHTS)	Info	err. code	data	Actuat.		
ZKE (Central body electronic)	Info	err. code	data	Actuat.		
BMW 7 Series E 32 coding/program						
ZCS/FA Coding					1.Display Coding code and print	
Service functions					1. Key Test 2. Display status of all keys 3. Disable/Enable key	
BMW 7 Series E 38 driver						
DME Digital Motor Electronics	Info	err. code	data	Actuat.	1.Clear Adaptations 2.DME-EWS adjustment 3.CO adjustment	
EGS Transmission control	Info	err. code	data	Actuat.		
EWS (Elec. immobilize system)	Info	err. code	data	Actuat.		
BMW 7 Series E 38 chassis						
ABS Antilock brake	Info	err. code	data	Actuat.		
EHC/EDC (Signal-axle air suspension)	Info	err. code	data	Actuat.		
LEW (Steering-angle sensor)	Info	err. code	data	Actuat.		
MFL (Multi-function steering wheel)	Info	err. code	data	Actuat.		
BMW 7 Series E 38 body						
AIC (Automatic Interval Control)	Info	err. code	data	Actuat.		
BM (On-board monitor)	Info	err. code	data	Actuat.		
EML (Elec. throttle)	Info	err. code	data	Actuat.		
GR (Cruise control)	Info	err. code	data	Actuat.		
IHKA/IHKR (AC/heater)	Info	err. code	data	Actuat.		
IKE/IKI/KOMBI	Info	err. code	data	Actuat.	1.Reset service interval indicator	
LSZ/LCM (Light switching center)	Info	err. code	data	Actuat.		
MID (Multi Information Display)	Info	err. code	data	Actuat.		
NAV Navigation system	Info	err. code	data	Actuat.		
PDC Park Distance Control	Info	err. code	data	Actuat.		
RAD (Radio)	Info	err. code	data	Actuat.		
SES (Language-input system)	Info	err. code	data	Actuat.		
SHD Sliding/tilting sunroof	Info	err. code	data	Actuat.		
SPM/SM	Info	err. code	data	Actuat.		
SRS (Air bag)	Info	err. code	data	Actuat.		
SZM (Switching center, center console)	Info	err. code	data	Actuat.		
VID (Video Module)	Info	err. code	data	Actuat.		
DSP (Digital Sound Processor)	Info	err. code	data	Actuat.		
STH (Park heating)	Info	err. code	data	Actuat.		
ZKE (Central body electronic)	Info	err. code	data	Actuat.		
BMW 7 Series E 38 coding/program						
ZCS/FA Coding					1.Display Coding code and print	
ZCS/FA Coding \ Recoding					1.ABS 2.LCM/LSZ 3.EWS	
CAR MEMORY\LIGHTING\External lights\Daytime driving light					1.Active 2.Not active	

CAR MEMORY\LIGHTING\External lights\Home lights					1.Not active 2.40 s 3.90 s 4.150 s 5.240 s	
CAR MEMORY\LIGHTING\Interior lighting\ON during unlock					1.Active 2.Not active	
CAR MEMORY\LIGHTING\Interior lighting\ON at terminal R off, light on beforehand					1.Active 2.Not active	
CAR MEMORY\LIGHTING\Interior lighting\Soft ON/OFF					1.Active 2.Not active	
CAR MEMORY\ANTI-THEFT SYSTEM\Interior lighting\Interior sensor					1.Active 2.Not active	
CAR MEMORY\ANTI-THEFT SYSTEM\Interior lighting\Tilt alarm sensor					1.Active 2.Not active	
CAR MEMORY\ANTI-THEFT SYSTEM\Interior lighting\Arm/disarm					1.remote control 2.locks and remote control	
CAR MEMORY\ANTI-THEFT SYSTEM\Interior lighting\Acknowledge\Disarm visually					1.Active 2.Not active	
CAR MEMORY\ANTI-THEFT SYSTEM\Interior lighting\Acknowledge\Arm visually					1.Active 2.Not active	
CAR MEMORY\ANTI-THEFT SYSTEM\Interior lighting\Acknowledge\Arm visually, lids closed					1.Active 2.Not active	
CAR MEMORY\CENTRAL LOCKING\RC interior light					1.Active 2.Not active	
CAR MEMORY\CENTRAL LOCKING\Open luggage compartment via remote control					1.when disarmed 2.always	
CAR MEMORY\CENTRAL LOCKING\Lock again 2 min after unlocking without opening					1.Active 2.Not active	
CAR MEMORY\CENTRAL LOCKING\Automatic locking after starting off					1.Active 2.Not active	
CAR MEMORY\CENTRAL LOCKING\Centre lock button, when locked					1.Active 2.Not active	
CAR MEMORY\CENTRAL LOCKING\Entrance aid					1.Active 2.Not active	
Service functions					1. Key Test 2. Display status of all keys 3. Disable/Enable key	
BMW 7 Series E 65/66 driver						
CAS Car Access System	Info	err. code	data	Actuat.	1.Personalisation key number 2.Disable_enable key	
DDE Diesel Electronics	Info	err. code	data	Actuat.	1.DDE-CAS adjustment 2.Air-mass flow sensor adaptation 3.Regeneration, particulate filter 4.Idle speed adjustment 5.Exhaust-gas recirculation adjustment 6.Starting torque adjustment 7.Consumption calculation adjustment 8.Injector rate adjustment 9.Quantity mean-value adaptation 10.Reset variants 11.Bleeding, fuel system 12.EOBD readiness codes 13.Read measured values 14.Register battery change	

DME Digital Motor Electronics	Info	err. code	data	Actuat.	1.DME-CAS adjustment 2.CO adjustment 3.Clear adaptations 4.Idle speed adjustment 5.Consumption indicator adjustment 6.Learning Valvetronic limit positions 7.Minimum-stroke adjustment 8.Remove Valvetronic servomotor 9.Tolerance test, intermediate lever 10.Register battery replacement	
DME2 Digital Motor Electronics 2	Info	err. code	data	Actuat.	1.Reset adaptation values 2.Reset learning functions	
EGS Transmission control	Info	err. code	data	Actuat.		
EKPS Fuel-pump control	Info	err. code	data	Actuat.		
VTC Valvetronic	Info	err. code	data	Actuat.		
VTC2 Valvetronic 2	Info	err. code	data	Actuat.		
VTC2 Valvetronic, bank 2	Info	err. code	data	Actuat.		
BMW 7 Series E 65/66 chassis						
ACC Active Cruise Control	Info	err. code	data	Actuat.		
ACC2 Active Cruise Control 2	Info	err. code	data	Actuat.		
ARS Dynamic Drive	Info	err. code	data	Actuat.		
ARS Dynamic Drive 2	Info	err. code	data	Actuat.		
CIM Chassis Integration Module	Info	err. code	data	Actuat.		
CIM2 Chassis Integration Module 2	Info	err. code	data	Actuat.		
DSC Dynamic Stability Control	Info	err. code	data	Actuat.	1.Bleed routine	
EDC Damper Control	Info	err. code	data	Actuat.		
EHC Electronic Ride-Height Control	Info	err. code	data	Actuat.		
EMF Parking brake	Info	err. code	data	Actuat.		
RDC Tyre pressure control	Info	err. code	data	Actuat.		
BMW 7 Series E 65/66 body						
AHL Adaptive directional headlights	Info	err. code	data	Actuat.		
AHM Trailer module	Info	err. code	data	Actuat.		
AMP Amplifier	Info	err. code	data	Actuat.		
ANT Aerial/antenna tuner	Info	err. code	data	Actuat.		
ASK audio system controller	Info	err. code	data	Actuat.		
BZM Control centre, centre console	Info	err. code	data	Actuat.		
CA Comfort Access	Info	err. code	data	Actuat.		
CD Control Display	Info	err. code	data	Actuat.		
CD Control Display_GW	Info	err. code	data	Actuat.		
CEM Clean Energy Module	Info	err. code	data	Actuat.		
CDC CD Changer	Info	err. code	data	Actuat.		
CNAV Navigation system, China	Info	err. code	data	Actuat.		
CON Controller	Info	err. code	data	Actuat.		
DVD-C DVD Changer	Info	err. code	data	Actuat.		
DAB Digital tuner	Info	err. code	data	Actuat.		
DWA Antitheft alarm system	Info	err. code	data	Actuat.		
FBI Flexible Bus Interface	Info	err. code	data	Actuat.		
FBZM Rear compartment, control center, center console	Info	err. code	data	Actuat.		
FCON Rear Compartment controller	Info	err. code	data	Actuat.		
FD Rear-compartment display	Info	err. code	data	Actuat.		
FKA Rear heater/air conditioning	Info	err. code	data	Actuat.		
FLA High Beam Assist	Info	err. code	data	Actuat.		
HKL Rear-lid lift	Info	err. code	data	Actuat.		
IBOC Digital tuner US	Info	err. code	data	Actuat.		
IHKA Integrated automatic heating/air conditioning	Info	err. code	data	Actuat.	1.Flap motors 2.Coolant compressor	
INSTR Instrument cluster	Info	err. code	data	Actuat.		
ument cluster	Info	err. code	data	Actuat.		
JNAV Navigation system, Japan	Info	err. code	data	Actuat.		
KHI Headset interface	Info	err. code	data	Actuat.		
KNAV Navigation system, Korea	Info	err. code	data	Actuat.		
LM Lights Module	Info	err. code	data	Actuat.		
LM2 AHL2 Light module 2 with adaptive headlight 2	Info	err. code	data	Actuat.		
LM2 Light Module 2	Info	err. code	data	Actuat.		
LM2 Light Module 2 with adpative headlight	Info	err. code	data	Actuat.		
NAV (Navigation system)	Info	err. code	data	Actuat.		

NVE Night Vision Electronics	Info	err. code	data	Actuat.		
NVK Night Vision camera	Info	err. code	data	Actuat.		
PDC Park Distance Control	Info	err. code	data	Actuat.		
PM Power Module	Info	err. code	data	Actuat.	Register battery change	
RLS Rain/Light Sensor	Info	err. code	data	Actuat.	1.Initializ rain sensor	
SASL Satellite, A-pillar, left	Info	err. code	data	Actuat.		
SASR Satellite, A-pillar, right	Info	err. code	data	Actuat.		
SBSL Satellite, B-pillar, left	Info	err. code	data	Actuat.		
SBSR Satellite, B-pillar, right	Info	err. code	data	Actuat.		
SDARS satellite tuner	Info	err. code	data	Actuat.		
SEC Supplementary control module	Info	err. code	data	Actuat.		
SEC2 Supplementary control unit 2	Info	err. code	data	Actuat.		
SFZ Satellite vehicle centre	Info	err. code	data			
SG-FD Control module, rear-compartment	Info	err. code	data	Actuat.		
SG-FD-GW Control module, rear-compartment	Info	err. code	data	Actuat.		
SGM-SIM Safety and Gateway Module (SIM)	Info	err. code	data	Actuat.		
SHD Sliding/tilting sunroof	Info	err. code	data	Actuat.	1.Delivery position 2.Initialize slide_tilt sunroof	
SHZH Independent/auxiliary heater	Info	err. code	data	Actuat.		
SIM Safety and Information Module	Info	err. code	data	Actuat.		
SINE Siren with tilt sensor	Info	err. code	data	Actuat.		
SMBF Seat module, passenger	Info	err. code	data	Actuat.		
SMFAH Seat module, driver's side rear	Info	err. code	data	Actuat.		
SMBFH Seat module, passenger's side rear	Info	err. code	data	Actuat.		
SSBF Satellite, seat, passenger	Info	err. code	data			
SSFA Satellite, seat, driver	Info	err. code	data			
SSH Satellite, seat, rear	Info	err. code	data	Actuat.		
STVL Satellite, door, front left	Info	err. code	data	Actuat.		
STVR Satellite, door, front right	Info	err. code	data	Actuat.		
SVS Language processing system	Info	err. code	data	Actuat.		
TEL Telephone	Info	err. code	data	Actuat.		
TMBFH Door module, passenger's side rear	Info	err. code	data	Actuat.		
TMBFT Door module, passenger door	Info	err. code	data	Actuat.		
TMFAH Door module, driver's side rear	Info	err. code	data	Actuat.		
TMFAT Door module, driver's door	Info	err. code	data	Actuat.		
VM Video Module	Info	err. code	data	Actuat.		
SMFA Seat module, driver	Info	err. code	data	Actuat.		
TCU Telematic Control unit	Info	err. code	data	Actuat.		
WIM Wiper module	Info	err. code	data	Actuat.		
ZGM Central Gateway Module	Info	err. code	data	Actuat.		
ZBM Two-batery management	Info	err. code	data	Actuat.		
BMW 7 Series E 65/66 short test						
Short test	Info	err. code				
BMW 7 Series E 65/66 coding/program						
Maintenance \ CBS Reset					1.Engine Oil 2.Microfilter 3.Front barke 4.Rear brake 5.Vehicle check 6.Spark plugs 7.Brake fluid 8.Coolant 9.Vehicle inspection 10.Exhaust emission inspection 11.Diesel narticle filter	
Maintenance \ CBS Correct					1.Engine Oil 2.Microfilter 3.Front barke 4.Rear brake 5.Vehicle check 6.Spark plugs 7.Brake fluid 8.Diesel particle filter	
Maintenance					1.Delete transport mode	

Service functions					1.Adjustment, Steering-angle sensor	
BMW 7 Series F01/02/03/04 driver						
CAS Car Access System	Info	err. code	data	Actuat.		
DME/DDE Digital motor/Diesel electronics	Info	err. code	data	Actuat.		
DME2 Digital Motor Electronics 2	Info	err. code	data	Actuat.		
EKPS Electronic Fuel pump	Info	err. code	data	Actuat.		
EGS/SMG Transmission management	Info	err. code	data	Actuat.		
VTG Transfer case	Info	err. code	data	Actuat.		
EME Electrical machine electronics	Info	err. code	data	Actuat.		
GWS Gear selector switch	Info	err. code	data	Actuat.		
BMW 7 Series F01/02/03/04 chassis						
SME Accumulator management electronics	Info	err. code	data	Actuat.		
AL Active steering	Info	err. code	data	Actuat.		
ICM Integrated chassis management	Info	err. code	data	Actuat.		
RDC Tyre pressure control	Info	err. code	data	Actuat.		
DSC Dynamic Stability Control	Info	err. code	data	Actuat.		
EMF Parking brake	Info	err. code	data	Actuat.		
HSR Rear-axle slip-angle control	Info	err. code	data	Actuat.		
EPS Electronic Power Steering	Info	err. code	data	Actuat.		
EHC Electronic Ride-Height Control	Info	err. code	data	Actuat.		
VDM Vertical Dynamics Management	Info	err. code	data	Actuat.		
EDCSVL Damper satellite, front left	Info	err. code	data	Actuat.		
EDCSVR Damper satellite, front right	Info	err. code	data	Actuat.		
EDCSHL Damper satellite, rear left	Info	err. code	data	Actuat.		
EDCSHR Damper satellite, rear right	Info	err. code	data	Actuat.		
BMW 7 Series F01/02/03/04 body						
JBE Junction-box electronics	Info	err. code	data	Actuat.		
ACSM Crash Safety Module	Info	err. code	data	Actuat.		
SZL Switch center steering column	Info	err. code	data	Actuat.		
TR SVC All round view camera	Info	err. code	data	Actuat.		
SWW Lane change warning	Info	err. code	data	Actuat.		
ZGM Central Gateway Module	Info	err. code	data	Actuat.		
RSE Rear Seat Entertainment	Info	err. code	data	Actuat.		
TCU/ULF Telephone	Info	err. code	data	Actuat.		
HUD Head-Up Display	Info	err. code	data	Actuat.		
VSW video switch	Info	err. code	data	Actuat.		
SEC Supplementary control unit	Info	err. code	data	Actuat.		
SEC2 Supplementary control unit 2	Info	err. code	data	Actuat.		
VM Video Module	Info	err. code	data	Actuat.		
EMALI Left electric motor reel	Info	err. code	data	Actuat.		
EMARE Right electric motor reel	Info	err. code	data	Actuat.		
FZD Function centre, roof	Info	err. code	data	Actuat.		
NVE Night Vision Electronics	Info	err. code	data	Actuat.		
KAFAS Camera based driver assist systems	Info	err. code	data	Actuat.		
FLA High Beam Assist	Info	err. code	data	Actuat.		
INSTR Instrument cluster	Info	err. code	data	Actuat.		
CIC/CHAMP Car headunit platform	Info	err. code	data	Actuat.		
PDC Park Distance Control	Info	err. code	data	Actuat.		
CON Controller	Info	err. code	data	Actuat.		
FCON Rear Compartment controller	Info	err. code	data	Actuat.		
SMFAH Seat module, driver's side rear	Info	err. code	data	Actuat.		
SMBFH Seat module, passenger's side rear	Info	err. code	data	Actuat.		
HKL Rear-lid lift	Info	err. code	data	Actuat.		
SMFA Seat module, driver	Info	err. code	data	Actuat.		
SMBF Seat module, passenger	Info	err. code	data	Actuat.		
AHM Trailer module	Info	err. code	data	Actuat.		
FRM Footwell Module	Info	err. code	data	Actuat.		
CID Central Information Display	Info	err. code	data	Actuat.		
FD Rear compartment display	Info	err. code	data	Actuat.		
FD2 Rear compartment display 2	Info	err. code	data	Actuat.		
RFK Reversing camera	Info	err. code	data	Actuat.		

IHKA Integrated automatic heating/air conditioning	Info	err. code	data	Actuat.		
FKA Rear-cabin automatic A/C	Info	err. code	data	Actuat.		
HKA Rear-cabin automatic A/C	Info	err. code	data	Actuat.		
BMW 7 Series F01/02/03/04 short test						
Short test	Info	err. code				
BMW 8 Series E 31 driver						
DME Digital Motor Electronics	Info	err. code	data	Actuat.		
EGS Transmission control	Info	err. code	data	Actuat.		
EWS (Elec. immobilize system)	Info	err. code	data	Actuat.		
BMW 8 Series E 31 chassis						
ABS Antilock brake	Info	err. code	data	Actuat.		
EHC/EDC (Signal-axle air suspension)	Info	err. code	data	Actuat.		
BMW 8 Series E 31 body						
CVM Convertible-top module	Info	err. code	data	Actuat.		
DWA Antitheft alarm system	Info	err. code	data	Actuat.		
EKM (Electronic Body Module)	Info	err. code	data	Actuat.		
EML (Elec. throttle)	Info	err. code	data	Actuat.		
FHK (Rear Heater A/C System)	Info	err. code	data	Actuat.		
GR (Cruise control)	Info	err. code	data	Actuat.		
IHKA/IHKR (AC/heater)	Info	err. code	data	Actuat.		
IKE/IKI/KOMBI	Info	err. code	data	Actuat.		
LSZ/LCM (Light switching center)	Info	err. code	data	Actuat.		
MID (Multi Information Display)	Info	err. code	data	Actuat.		
PDC Park Distance Control	Info	err. code	data	Actuat.		
RAD (Radio)	Info	err. code	data	Actuat.		
SHD Sliding/tilting sunroof	Info	err. code	data	Actuat.		
SPM/SM	Info	err. code	data	Actuat.		
SRS (Air bag)	Info	err. code	data	Actuat.		
URS (Rollover sensor)	Info	err. code	data	Actuat.		
VMX (Top-speed Regulation)	Info	err. code	data	Actuat.		
VNC (Variable Camshaft Control)	Info	err. code	data	Actuat.		
XEN (XENON LIGHTS)	Info	err. code	data	Actuat.		
ZKE (Central body electronic)	Info	err. code	data	Actuat.		
BMW 8 Series E 31 program/coding						
ZCS/FA Coding					1.Display Coding code and print	
Service functions					1. Key Test 2. Display status of all keys 3. Disable/Enable key	
BMW X Series X3 E83 driver						
DME Digital Motor Electronics	Info	err. code	data	Actuat.	1.Clear Adaptations 2.DME/DDE-EWS adjustment 3.CO adjustment 4.Air-mass flow sensor adaptation 5.Reqeneration, particulate filter	
EGS Transmission control	Info	err. code	data	Actuat.		
EWS (Elec. immobilize system)	Info	err. code	data	Actuat.		
EKPS (Fuel-pump control)	Info	err. code	data	Actuat.		
VTG Transfer case	Info	err. code	data	Actuat.		
BMW X Series X3 E83 chassis						
ABS Antilock brake	Info	err. code	data	Actuat.		
LEW (Steering-angle sensor)	Info	err. code	data	Actuat.		
MFL (Multi-function steering wheel)	Info	err. code	data	Actuat.		
BMW X Series X3 E83 body						
AIC (Automatic Interval Control)	Info	err. code	data	Actuat.		
CID Central Information Display	Info	err. code	data	Actuat.		
IHKA/IHKR (AC/heater)	Info	err. code	data	Actuat.		
IKE/IKI/KOMBI	Info	err. code	data	Actuat.	1.Reset service interval indicator	
LSZ/LCM (Light switching center)	Info	err. code	data	Actuat.		
PDC Park Distance Control	Info	err. code	data	Actuat.		
RAD (Radio)	Info	err. code	data	Actuat.		
SMF (Seat memory,driver)	Info	err. code	data	Actuat.		
SRS (Air bag)	Info	err. code	data	Actuat.		
VID (Video Module)	Info	err. code	data	Actuat.		
DSP (Digital Sound Processor)	Info	err. code	data	Actuat.		
ZKE (Central body electronic)	Info	err. code	data	Actuat.		

BMW X Series X3 E83 coding/progra						
ZCS/FA Coding					1.Display Coding code and print	
Service functions					1. Key Test 2. Display status of all keys 3. Disable/Enable key	
BMW X Series X5 E53 driver						
DME Digital Motor Electronics	Info	err. code	data	Actuat.	1.Clear Adaptations 2.DME/DDE-EWS adjustment 3.CO adjustment 4.Air-mass flow sensor adaptation	
EGS Transmission control	Info	err. code	data	Actuat.		
EWS (Elec. immobilize system)	Info	err. code	data	Actuat.		
BMW X Series X5 E53 chassis						
ABS Antilock brake	Info	err. code	data	Actuat.		
EHC/EDC (Signal-axle air suspension)	Info	err. code	data	Actuat.		
LEW (Steering-angle sensor)	Info	err. code	data	Actuat.		
MFL (Multi-function steering wheel)	Info	err. code	data	Actuat.		
BMW X Series X5 E53 body						
AIC (Automatic Interval Control)	Info	err. code	data	Actuat.		
BIT (Basis Interface Telephone)	Info	err. code	data	Actuat.		
BM (On-board monitor)	Info	err. code	data	Actuat.		
GR (Cruise control)	Info	err. code	data	Actuat.		
IHKA/IHKR (AC/heater)	Info	err. code	data	Actuat.		
IKE/IKI/KOMBI	Info	err. code	data	Actuat.	1.Reset service interval indicator	
LSZ/LCM (Light switching center)	Info	err. code	data	Actuat.		
NAV Navigation system	Info	err. code	data	Actuat.		
PDC Park Distance Control	Info	err. code	data	Actuat.		
RAD (Radio)	Info	err. code	data	Actuat.		
SES (Language-input system)	Info	err. code	data	Actuat.		
SHD Sliding/tilting sunroof	Info	err. code	data	Actuat.		
SPM/SM	Info	err. code	data	Actuat.		
SRS (Air bag)	Info	err. code	data	Actuat.		
SZM (Switching center, center console)	Info	err. code	data	Actuat.		
VID (Video Module)	Info	err. code	data	Actuat.		
DSP (Digital Sound Processor)	Info	err. code	data	Actuat.		
STH (Park heating)	Info	err. code	data	Actuat.		
ZKE (Central body electronic)	Info	err. code	data	Actuat.		
BMW X Series X5 E53 coding/program						
ZCS/FA Coding					1.Display Coding code and print	
ZCS/FA Coding \ Recoding					1.ABS 2.LCM/LSZ	
Service functions					1. Key Test 2. Display status of all keys 3. Disable/Enable key	
BMW X Series X5 E70 driver						
CAS Car Access System	Info	err. code	data	Actuat.	1.Personalisation key number 2.Disable_enable key	
DDE Diesel Electronics	Info	err. code	data	Actuat.	1.DDE-CAS adjustment 2.Air-mass flow sensor adaptation 3.Regeneration, particulate filter 4.Idle speed adjustment 5.Exhaust-gas recirculation adjustment 6.Starting torque adjustment 7.Consumption calculation adjustment 8.Injector rate adjustment 9.Quantity mean-value adaptation 10.Reset variants 11.Bleeding, fuel system 12.EOBD readiness codes 13.Read measured values 14.Register battery change	
DME Digital Motor Electronics	Info	err. code	data	Actuat.	1.DME-CAS adjustment 2.CO adjustment 3.Clear adaptations	
EGS Transmission control	Info	err. code	data	Actuat.	1.Reset adaptation values 2.Reset learning functions 3.Mechatronics adjustment 4.Oil-level adjustment	

GWS Gear selector switch	Info	err. code	data	Actuat.		
EKPS Fuel-pump control	Info	err. code	data	Actuat.		
QMVH [Lateral-moment distribution, rear axle]	Info	err. code	data	Actuat.		
VTC Valvetronic	Info	err. code	data	Actuat.		
VTC2 Valvetronic 2	Info	err. code	data	Actuat.		
VTG Transfer case	Info	err. code	data	Actuat.		
BMW X Series X5 E70 chassis						
AL Active steering	Info	err. code	data	Actuat.		
ARS Dynamic Drive	Info	err. code	data	Actuat.		
DSC Dynamic Stability Control	Info	err. code	data	Actuat.	1.Bleed routine	
EDCSHL Damper satellite, rear left	Info	err. code	data	Actuat.		
EDCSHR Damper satellite, rear right	Info	err. code	data	Actuat.		
EDCSVL Damper satellite, front left	Info	err. code	data	Actuat.		
EDCSVR Damper satellite, front right	Info	err. code	data	Actuat.		
EHC Electronic Ride-Height Control	Info	err. code	data	Actuat.		
EMF Parking brake	Info	err. code	data	Actuat.		
RDC Tyre pressure control	Info	err. code	data	Actuat.		
VDM Vertical Dynamics Management	Info	err. code	data	Actuat.		
BMW X Series X5 E70 body						
ACSM Crash Safety Module	Info	err. code	data	Actuat.		
AHM Trailer module	Info	err. code	data	Actuat.		
AMPH Hi-Fi amplifier	Info	err. code	data	Actuat.		
AMPT Top Hi-Fi amplifier	Info	err. code	data	Actuat.		
CA Comfort Access	Info	err. code	data	Actuat.		
CCC-A Applications	Info	err. code	data	Actuat.		
CCC-ANT Aerial tuner	Info	err. code	data	Actuat.		
CCC-ASK Audio system controller	Info	err. code	data	Actuat.		
CCC-BO User interface	Info	err. code	data	Actuat.		
CCC-GW Gateway	Info	err. code	data	Actuat.		
CDC CD Changer	Info	err. code	data	Actuat.		
CHAMP-BO User interface	Info	err. code	data	Actuat.		
CHAMP-GW Gateway	Info	err. code	data	Actuat.		
CID Central Information Display	Info	err. code	data	Actuat.		
CNAV Navigation system, China	Info	err. code	data	Actuat.		
CON Controller	Info	err. code	data	Actuat.		
DAB Digital tuner	Info	err. code	data	Actuat.		
DVD-C DVD Changer	Info	err. code	data	Actuat.		
FD Rear-compartment display	Info	err. code	data	Actuat.		
FKA Rear heater/air conditioning	Info	err. code	data	Actuat.		
FLA High Beam Assist	Info	err. code	data	Actuat.		
FRM2 Footwell module 2	Info	err. code	data	Actuat.		
FZD Function centre, roof	Info	err. code	data	Actuat.	1.Initializ rain sensor	
HKL Rear-lid lift	Info	err. code	data	Actuat.		
HUD Head-Up Display	Info	err. code	data	Actuat.		
IBOC Digital tuner US	Info	err. code	data	Actuat.		
IHKA Integrated automatic heating/air conditioning	Info	err. code	data	Actuat.	1.Flap motors 2.Coolant compressor	
INSTR Instrument cluster	Info	err. code	data	Actuat.		
ument cluster	Info	err. code	data	Actuat.		
JBE2 Junction Box electronics 2	Info	err. code	data	Actuat.		
JNAV Navigation system, Japan	Info	err. code	data	Actuat.		
KHM Headphones moudule	Info	err. code	data	Actuat.		
KNAV Navigation system, Korea	Info	err. code	data	Actuat.		
M-ASK-BO User interface	Info	err. code	data	Actuat.		
M-ASK-GW Gateway	Info	err. code	data	Actuat.		
PDC Park Distance Control	Info	err. code	data	Actuat.		
RFK Reversing camera	Info	err. code	data	Actuat.		
RLSS Rain/light solar sensor	Info	err. code	data	Actuat.	1.Initializ rain sensor	
RSE Rear Seat Entertainment	Info	err. code	data	Actuat.		
SDARS satellite tuner	Info	err. code	data	Actuat.		
SINE Siren with tilt sensor	Info	err. code	data	Actuat.		
SMBF Seat module, passenger	Info	err. code	data	Actuat.		
SMFA Seat module, driver	Info	err. code	data	Actuat.		
TCU Telematic Control unit	Info	err. code	data	Actuat.		
ULF-SBX Interface box	Info	err. code	data	Actuat.		
ULF-SBX-H Interface box High	Info	err. code	data	Actuat.		
VM Video Module	Info	err. code	data	Actuat.		

VSW video switch	Info	err. code	data	Actuat.		
BMW X Series X5 E70 short test						
Short test	Info	err. code				
BMW X Series X5 E70 coding/program						
Maintenance \ CBS Reset					1.Engine Oil 2.Microfilter 3.Front barke 4.Rear brake 5.Vehicle check 6.Spark plugs 7.Brake fluid 8.Vehicle inspection 9.Exhaust emission inspection 10.Diesel narticle filter	
Maintenance \ CBS Correct					1.Engine Oil 2.Microfilter 3.Front barke 4.Rear brake 5.Vehicle check 6.Spark plugs 7.Brake fluid 8.Diesel particle filter 1.Delete transport mode	
Maintenance					Adjustment, Steering-angle sensor	
Service functions						
BMW X Series X6 E71 driver						
CAS Car Access System	Info	err. code	data	Actuat.	1.Personalisation key number 2.Disable_enable key	
DDE Diesel Electronics	Info	err. code	data	Actuat.	1.DDE-CAS adjustment 2.Air-mass flow sensor adaptation	
DME Digital Motor Electronics	Info	err. code	data	Actuat.	1.DME-CAS adjustment 2.CO adjustment 3.Clear adaptations	
EGS Transmission control	Info	err. code	data	Actuat.	1.Reset adaptation values 2.Reset learning functions 3.Mechatronics adjustment 4.Oil-level adjustment	
GWS Gear selector switch	Info	err. code	data	Actuat.		
EKPS Fuel-pump control	Info	err. code	data	Actuat.		
QMVH [Lateral-moment distribution, rear axle]	Info	err. code	data	Actuat.		
VTG Transfer case	Info	err. code	data	Actuat.		
BMW X Series X6 E71 shassis						
AL Active steering	Info	err. code	data	Actuat.		
ARS Dynamic Drive	Info	err. code	data	Actuat.		
DSC Dynamic Stability Control	Info	err. code	data	Actuat.	1.Bleed routine	
EDCSHL Damper satellite, rear left	Info	err. code	data	Actuat.		
EDCSHR Damper satellite, rear right	Info	err. code	data	Actuat.		
EDCSVL Damper satellite, front left	Info	err. code	data	Actuat.		
EDCSVR Damper satellite, front right	Info	err. code	data	Actuat.		
EHC Electronic Ride-Height Control	Info	err. code	data	Actuat.		
EMF Parking brake	Info	err. code	data	Actuat.		
Integrated Chassis Management	Info	err. code	data	Actuat.		
RDC Tyre pressure control	Info	err. code	data	Actuat.		
VDM Vertical Dynamics Management	Info	err. code	data	Actuat.		
BMW X Series X6 E71 body						
ACSM Crash Safety Module	Info	err. code	data	Actuat.		
AHM Trailer module	Info	err. code	data	Actuat.		
AMPH Hi-Fi amplifier	Info	err. code	data	Actuat.		
AMPT Top Hi-Fi amplifier	Info	err. code	data	Actuat.		
CA Comfort Access	Info	err. code	data	Actuat.		
CCC-A Applications	Info	err. code	data	Actuat.		
CCC-ANT Aerial tuner	Info	err. code	data	Actuat.		
CCC-ASK Audio system controller	Info	err. code	data	Actuat.		
CCC-BO User interface	Info	err. code	data	Actuat.		
CCC-GW Gateway	Info	err. code	data	Actuat.		
CDC CD Changer	Info	err. code	data	Actuat.		
CHAMP-BO User interface	Info	err. code	data	Actuat.		
CHAMP-GW Gateway	Info	err. code	data	Actuat.		
CID Central Information Display	Info	err. code	data	Actuat.		
CNAV Navigation system, China	Info	err. code	data	Actuat.		

CON Controller	Info	err. code	data	Actuat.		
DAB Digital tuner	Info	err. code	data	Actuat.		
DVD-C DVD Changer	Info	err. code	data	Actuat.		
FD Rear-compartment display	Info	err. code	data	Actuat.		
FKA Rear heater/air conditioning	Info	err. code	data	Actuat.		
FLA High Beam Assist	Info	err. code	data	Actuat.		
FRM2 Footwell module 2	Info	err. code	data	Actuat.		
FZD Function centre, roof	Info	err. code	data	Actuat.	1.Initializ rain sensor	
HKL Rear-lid lift	Info	err. code	data	Actuat.		
HUD Head-Up Display	Info	err. code	data	Actuat.		
IBOC Digital tuner US	Info	err. code	data	Actuat.		
IHKA Integrated automatic heating/air conditioning	Info	err. code	data	Actuat.	1.Flap motors 2.Coolant compressor	
INSTR Instrument cluster	Info	err. code	data	Actuat.		
JBE2 Junction Box electronics 2	Info	err. code	data	Actuat.		
JNAV Navigation system, Japan	Info	err. code	data	Actuat.		
KHI Headset interface	Info	err. code	data	Actuat.		
KNAV Navigation system, Korea	Info	err. code	data	Actuat.		
M-ASK-BO User interface	Info	err. code	data	Actuat.		
M-ASK-GW Gateway	Info	err. code	data	Actuat.		
PDC Park Distance Control	Info	err. code	data	Actuat.		
RFK Reversing camera	Info	err. code	data	Actuat.		
RLSS Rain/light solar sensor	Info	err. code	data	Actuat.	1.Initializ rain sensor	
RSE Rear Seat Entertainment	Info	err. code	data	Actuat.		
SDARS satellite tuner	Info	err. code	data	Actuat.		
SINE Siren with tilt sensor	Info	err. code	data	Actuat.		
SMBF Seat module, passenger	Info	err. code	data	Actuat.		
SMFA Seat module, driver	Info	err. code	data	Actuat.		
TCU Telematic Control unit	Info	err. code	data	Actuat.		
ULF-SBX Interface box	Info	err. code	data	Actuat.		
ULF-SBX-H Interface box High	Info	err. code	data	Actuat.		
VM Video Module	Info	err. code	data	Actuat.		
VSW video switch	Info	err. code	data	Actuat.		

BMW X Series X6 E71 short test

Short test	Info	err. code				
------------	------	-----------	--	--	--	--

BMW X Series X6 E71 coding/program

Maintenance \ CBS Reset					1.Engine Oil 2.Microfilter 3.Front barke 4.Rear brake 5.Vehicle check 6.Spark plugs 7.Brake fluid 8.Vehicle inspection 9.Exhaust emission inspection 10.Diesel narticle filter	
Maintenance \ CBS Correct					1.Engine Oil 2.Microfilter 3.Front barke 4.Rear brake 5.Vehicle check 6.Spark plugs 7.Brake fluid 8.Diesel narticle filter	
Maintenance					1.Delete transport mode	
Service functions					1.Adjustment, Steering-angle sensor	

BMW Z Series Z1 E30 driver

DME Digital Motor Electronics	Info	err. code	data	Actuat.		
EGS Transmission control	Info	err. code	data	Actuat.		
EWS (Elec. immobilize system)	Info	err. code	data	Actuat.		

BMW Z Series Z1 E30 chassis

ABS Antilock brake	Info	err. code	data	Actuat.		
EHC/EDC (Signal-axle air suspension)	Info	err. code	data	Actuat.		

BMW Z Series Z1 E30 body

ADS Throttle-Valve Control	Info	err. code	data	Actuat.		
AHK (Active-Axle Kinematics)	Info	err. code	data	Actuat.		
CVM Convertible-top module	Info	err. code	data	Actuat.		
DWA Antitheft alarm system	Info	err. code	data	Actuat.		
EKM (Electronic Body Module)	Info	err. code	data	Actuat.		
EML (Elec. throttle)	Info	err. code	data	Actuat.		
FHK (Rear Heater A/C System)	Info	err. code	data	Actuat.		
GR (Cruise control)	Info	err. code	data	Actuat.		
GSA (Closed-Loop-Controlled Differential-Lock AWD)	Info	err. code	data	Actuat.		
IHKA/IHKR (AC/heater)	Info	err. code	data	Actuat.		
IKE/IKI/KOMBI	Info	err. code	data	Actuat.		
LSZ/LCM (Light switching center)	Info	err. code	data	Actuat.		
MID (Multi Information Display)	Info	err. code	data	Actuat.		
PDC Park Distance Control	Info	err. code	data	Actuat.		
RAD (Radio)	Info	err. code	data	Actuat.		
SHD Sliding/tilting sunroof	Info	err. code	data	Actuat.		
SPM/SM	Info	err. code	data	Actuat.		
SRS (Air bag)	Info	err. code	data	Actuat.		
URS (Rollover sensor)	Info	err. code	data	Actuat.		
VMX (Top-speed Regulation)	Info	err. code	data	Actuat.		
VNC (Variable Camshaft Control)	Info	err. code	data	Actuat.		
XEN (XENON LIGHTS)	Info	err. code	data	Actuat.		
ZKE (Central body electronic)	Info	err. code	data	Actuat.		
BMW Z Series Z1 E30 coding/program						
ZCS/FA Coding					1.Display Coding code and print	
Service functions					1. Key Test 2. Display status of all keys 3. Disable/Enable key	
BMW Z Series Z3 E36 driver						
DME Digital Motor Electronics	Info	err. code	data	Actuat.		
EGS Transmission control	Info	err. code	data	Actuat.		
EWS (Elec. immobilize system)	Info	err. code	data	Actuat.		
BMW Z Series Z3 E36 chassis						
ABS Antilock brake	Info	err. code	data	Actuat.		
EHC/EDC (Signal-axle air suspension)	Info	err. code	data	Actuat.		
BMW Z Series Z3 E36 body						
ADS Throttle-Valve Control	Info	err. code	data	Actuat.		
AHK (Active-Axle Kinematics)	Info	err. code	data	Actuat.		
CVM Convertible-top module	Info	err. code	data	Actuat.		

DWA Antitheft alarm system	Info	err. code	data	Actuat.		
EKM (Electronic Body Module)	Info	err. code	data	Actuat.		
EML (Elec. throttle)	Info	err. code	data	Actuat.		
FHK (Rear Heater A/C System)	Info	err. code	data	Actuat.		
GR (Cruise control)	Info	err. code	data	Actuat.		
GSA (Closed-Loop-Controlled Differential-Lock AWD)	Info	err. code	data	Actuat.		
IHKA/IHKR (AC/heater)	Info	err. code	data	Actuat.		
IKE/IKI/KOMBI	Info	err. code	data	Actuat.		
LSZ/LCM (Light switching center)	Info	err. code	data	Actuat.		
MID (Multi Information Display)	Info	err. code	data	Actuat.		
PDC Park Distance Control	Info	err. code	data	Actuat.		
RAD (Radio)	Info	err. code	data	Actuat.		
SHD Sliding/tilting sunroof	Info	err. code	data	Actuat.		
SPM/SM	Info	err. code	data	Actuat.		
SRS (Air bag)	Info	err. code	data	Actuat.		
URS (Rollover sensor)	Info	err. code	data	Actuat.		
VMX (Top-speed Regulation)	Info	err. code	data	Actuat.		
VNC (Variable Camshaft Control)	Info	err. code	data	Actuat.		
XEN (XENON LIGHTS)	Info	err. code	data	Actuat.		
ZKE (Central body electronic)	Info	err. code	data	Actuat.		
BMW Z Series Z3 E36 coding/program						
ZCS/FA Coding					1.Display Coding code and print	
CAR MEMORY\LIGHTING\External lights\Daytime driving light					1.Active 2.Not active	
CAR MEMORY\LIGHTING\External lights\Home lights					1.Not active 2.40 s 3.90 s 4.150 s 5.240 s	
CAR MEMORY\LIGHTING\Interior lighting\ON during unlock					1.Active 2.Not active	
CAR MEMORY\LIGHTING\Interior lighting\ON at terminal R off, light on beforehand					1.Active 2.Not active	
CAR MEMORY\LIGHTING\Interior lighting\Soft ON/OFF					1.Active 2.Not active	
CAR MEMORY\ANTI-THEFT SYSTEM\Interior lighting\Interior sensor					1.Active 2.Not active	
CAR MEMORY\ANTI-THEFT SYSTEM\Interior lighting\Tilt alarm sensor					1.Active 2.Not active	
CAR MEMORY\ANTI-THEFT SYSTEM\Interior lighting\Arm/disarm					1.remote control 2.locks and remote control	

CAR MEMORY\ANTI-THEFT SYSTEM\Interior lighting\Acknowledge\Disarm visually					1.Active 2.Not active	
CAR MEMORY\ANTI-THEFT SYSTEM\Interior lighting\Acknowledge\Arm visually					1.Active 2.Not active	
CAR MEMORY\ANTI-THEFT SYSTEM\Interior lighting\Acknowledge\Arm visually, lids closed					1.Active 2.Not active	
CAR MEMORY\CENTRAL LOCKING\RC interior light					1.Active 2.Not active	
CAR MEMORY\CENTRAL LOCKING\Open luggage compartment via remote control					1.when disarmed 2.always	
CAR MEMORY\CENTRAL LOCKING\Lock again 2 min after unlocking without opening					1.Active 2.Not active	
CAR MEMORY\CENTRAL LOCKING\Automatic locking after starting off					1.Active 2.Not active	
CAR MEMORY\CENTRAL LOCKING\Centre lock button, when locked					1.Active 2.Not active	
CAR MEMORY\CENTRAL LOCKING\Entrance aid					1.Active 2.Not active	
Service functions					1. Key Test 2. Display status of all keys 3. Disable/Enable key	
BMW Z Series Z4 E 85/86 driver						
DME Digital Motor Electronics	Info	err. code	data	Actuat.	1.Clear Adaptations 2.DME-EWS adjustment 3.CO adjustment	
EGS Transmission control	Info	err. code	data	Actuat.		
EKPS (Fuel-pump control)	Info	err. code	data	Actuat.		
EWS (Elec. immobilize system)	Info	err. code	data	Actuat.		
BMW Z Series Z4 E 85/86 chassis						
ABS Antilock brake	Info	err. code	data	Actuat.		
EPS Electronic Power Steering	Info	err. code	data	Actuat.		
LEW (Steering-angle sensor)	Info	err. code	data	Actuat.		
BMW Z Series Z4 E 85/86 body						
AIC (Automatic Interval Control)	Info	err. code	data	Actuat.		
CID Central Information Display	Info	err. code	data	Actuat.		
CVM Convertible-top module	Info	err. code	data	Actuat.		
IHKA/IHKR (AC/heater)	Info	err. code	data	Actuat.		
IKE/IKI/KOMBI	Info	err. code	data	Actuat.	1.Reset service interval indicator	
LSZ/LCM (Light switching center)	Info	err. code	data	Actuat.		
PDC Park Distance Control	Info	err. code	data	Actuat.		
RAD (Radio)	Info	err. code	data	Actuat.		

SBSL Satellite, B-pillar, left	Info	err. code	data	Actuat.		
SBSR Satellite, B-pillar, right	Info	err. code	data	Actuat.		
SIM Safety and Information Module	Info	err. code	data	Actuat.		
SMF (Seat memory,driver)	Info	err. code	data	Actuat.		
SZM (Switching center, center console)	Info	err. code	data	Actuat.		
VID (Video Module)	Info	err. code	data	Actuat.		
ZKE (Central body electronic)	Info	err. code	data	Actuat.		
BMW Z Series Z4 E 85/86 coding/program						
ZCS/FA Coding					1.Display Coding code and print	
Service functions					1. Key Test 2. Display status of all keys 3. Disable/Enable key	
BMW Z Series Z4 E89 driver						
CAS Car Access System	Info	err. code	data	Actuat.	1.Personalisation key number 2.Disable_enable key	
DME Digital Motor Electronics	Info	err. code	data	Actuat.	1.DME-CAS adjustment 2.CO adjustment 3.Clear adaptations	
DKG Twin-clutch gearbox	Info	err. code	data	Actuat.		
EGS Transmission control	Info	err. code	data	Actuat.	1.Reset adaptation values 2.Reset learning functions 3.Mechatronics adjustment 4.Oil-level adjustment	
EKPS Fuel-pump control	Info	err. code	data	Actuat.		
GWS Gear selector switch	Info	err. code	data	Actuat.		
BMW Z Series Z4 E89 chassis						
DSC Dynamic Stability Control	Info	err. code	data	Actuat.	1.Bleed routine	
EDC Damper Control	Info	err. code	data	Actuat.		
EMF Parking brake	Info	err. code	data	Actuat.		
EPS Electronic Power Steering	Info	err. code	data	Actuat.		
RDC Tyre pressure control	Info	err. code	data	Actuat.		
BMW Z Series Z4 E89 body						
AMP Amplifier	Info	err. code	data	Actuat.		
CA Comfort Access	Info	err. code	data	Actuat.		
CDC CD Changer	Info	err. code	data	Actuat.		
CIC Car Inforamtion Computer	Info	err. code	data	Actuat.		
CIC-GW Gateway	Info	err. code	data	Actuat.		
CID Central Information Display	Info	err. code	data	Actuat.		
CON Controller	Info	err. code	data	Actuat.		
CTM Convertible-top module	Info	err. code	data	Actuat.		
DAB Digital tuner	Info	err. code	data	Actuat.		
DVD-C DVD Changer	Info	err. code	data	Actuat.		

DWA Antitheft alarm system	Info	err. code	data	Actuat.		
FLA High Beam Assist	Info	err. code	data	Actuat.		
FRM2 Footwell module 2	Info	err. code	data	Actuat.		
FZD Function centre, roof	Info	err. code	data	Actuat.	1.Initializ rain sensor	
IHR Integrated heater control	Info	err. code	data	Actuat.		
IHKR Interagted heating/air-conditioning regulation	Info	err. code	data	Actuat.		
IHKA Integrated automatic heating/air conditioning	Info	err. code	data	Actuat.	1.Flap motors 2.Coolant compressor	
INSTR Instrument cluster	Info	err. code	data	Actuat.		
ument cluster	Info	err. code	data	Actuat.		
JBE2 Junction Box electronics 2	Info	err. code	data	Actuat.		
M-ASK-BO User interface	Info	err. code	data	Actuat.		
M-ASK-GW Gateway	Info	err. code	data	Actuat.		
MRS Multiple Restraint system	Info	err. code	data	Actuat.		
NAV Navigation system	Info	err. code	data	Actuat.		
PDC Park Distance Control	Info	err. code	data	Actuat.		
RAD Radio	Info	err. code	data	Actuat.		
RAD2-BO User interface	Info	err. code	data	Actuat.		
RAD2-GW Gateway	Info	err. code	data	Actuat.		
RLSS Rain/light solar sensor	Info	err. code	data	Actuat.	1.Initializ rain sensor	
SINE Siren with tilt sensor	Info	err. code	data	Actuat.		
SMFA Seat module, driver	Info	err. code	data	Actuat.		
TCU Telematic Control unit	Info	err. code	data	Actuat.		
ULF Universal charging and hands-free factility	Info	err. code	data	Actuat.		
ULF-SBX Interface box	Info	err. code	data	Actuat.		
ULF-SBX-H Interface box High	Info	err. code	data	Actuat.		
VM Video Module	Info	err. code	data	Actuat.		
BMW Z Series Z4 E89 short test						
Short test	Info	err. code				
BMW Z Series Z4 E89 program/coding						
Maintenance \ CBS Reset					1.Engine Oil 2.Microfilter 3.Front barke 4.Rear brake 5.Vehicle check 6.Spark plugs 7.Brake fluid 8.Vehicle inspection 9.Exhaust emission inspection 10.Diesel particle filter	

Maintenance \ CBS Correct					1.Engine Oil 2.Microfilter 3.Front barke 4.Rear brake 5.Vehicle check 6.Spark plugs 7.Brake fluid 8.Diesel particle filter	
Maintenance					1.Delete transport mode	
BMW Z Series Z8 E52 driver						
DME Digital Motor Electronics	Info	err. code	data	Actuat.	1.Clear Adaptations 2.DME-EWS adjustment 3.CO adjustment	
EGS Transmission control	Info	err. code	data	Actuat.		
EWS (Elec. immobilize system)	Info	err. code	data	Actuat.		
BMW Z Series Z8 E52 chassis						
ABS Antilock brake	Info	err. code	data	Actuat.		
LEW (Steering-angle sensor)	Info	err. code	data	Actuat.		
RDC (Tyre pressure control)	Info	err. code	data	Actuat.		
BMW Z Series Z8 E52 body						
IHKA/IHKR (AC/heater)	Info	err. code	data	Actuat.		
IKE/IKI/KOMBI	Info	err. code	data	Actuat.	1.Reset service interval indicator	
RAD (Radio)	Info	err. code	data	Actuat.		
SRS (Air bag)	Info	err. code	data	Actuat.		
URS (Rollover sensor)	Info	err. code	data	Actuat.		
ZKE (Central body electronic)	Info	err. code	data	Actuat.		
BMW Z Series Z8 E52 short test						
Short test	Info	err. code				
BMW Z Series Z8 E52 codinf/program						
ZCS/FA Coding					1.Display Coding code and print	
Service functions					1. Key Test 2. Display status of all keys 3. Disable/Enable key	
MINI R 50/52/53 driver						
DME Digital Motor Electronics	Info	err. code	data	Actuat.		
EGS Transmission control	Info	err. code	data	Actuat.		
EWS (Elec. immobilize system)	Info	err. code	data	Actuat.		
MINI R 50/52/53 chassis						
ABS Antilock brake	Info	err. code	data	Actuat.		
LEW (Steering-angle sensor)	Info	err. code	data	Actuat.		
RDC (Tyre pressure control)	Info	err. code	data	Actuat.		
EHPS (Electrically assisted steering)	Info	err. code	data	Actuat.		
MINI R 50/52/53 body						
AIC (Automatic Interval Control)	Info	err. code	data	Actuat.		
BM (On-board monitor)	Info	err. code	data	Actuat.		
IHKA/IHKR (AC/heater)	Info	err. code	data	Actuat.	1.Flap motors 2.Coolant compressor	
IKE/IKI/KOMBI	Info	err. code	data	Actuat.	1.Reset service interval indicator	
LSZ/LCM (Light switching center)	Info	err. code	data	Actuat.		
PDC Park Distance Control	Info	err. code	data	Actuat.		
RAD (Radio)	Info	err. code	data	Actuat.		
SRS (Air bag)	Info	err. code	data	Actuat.		
URS (Rollover sensor)	Info	err. code	data	Actuat.		
ZKE (Central body electronic)	Info	err. code	data	Actuat.		
MINI R 50/52/53 coding/program						
ZCS/FA Coding					1.Display Coding code and print	

Service functions					1. Key Test 2. Display status of all keys 3. Disable/Enable key	
MINI R 55/56 driver						
CAS Car Access System	Info	err. code	data	Actuat.	1.Personalisation key number 2.Disable_enable key	
DME Digital Motor Electronics	Info	err. code	data	Actuat.	1.DME-CAS adjustment 2.CO adjustment 3.Clear adaptations	
EGS Transmission control	Info	err. code	data	Actuat.	1.Reset adaptation values 2.Reset learning functions 3.Mechatronics adjustment 4.Oil-level adjustment	
MINI R 55/56 chassis						
ABS/ACS/DSC Dynamic Stability Control	Info	err. code	data	Actuat.	1.Bleed routine	
RDC Tyre pressure control	Info	err. code	data	Actuat.		
MINI R 55/56 body						
AHM Trailer module	Info	err. code	data	Actuat.		
AMP Hi-Fi amplifier	Info	err. code	data	Actuat.		
CA Comfort Access	Info	err. code	data	Actuat.		
CCC-A Applications	Info	err. code	data	Actuat.		
CCC-ANT Aerial tuner	Info	err. code	data	Actuat.		
CCC-ASK Audio system controller	Info	err. code	data	Actuat.		
CCC-BO User interface	Info	err. code	data	Actuat.		
CCC-GW Gateway	Info	err. code	data	Actuat.		
CDC CD Changer	Info	err. code	data	Actuat.		
CID Central Information Display	Info	err. code	data	Actuat.		
CVM Convertible-top module	Info	err. code	data	Actuat.		
DAB Digital tuner	Info	err. code	data	Actuat.		
FRM Footwell Module	Info	err. code	data	Actuat.		
IBOC Digital tuner US	Info	err. code	data	Actuat.		
IHKA Integrated automatic heating/air conditioning	Info	err. code	data	Actuat.		
IHKS Intergrated heating/air-conditioning control	Info	err. code	data	Actuat.		
IHS Integrated heating control	Info	err. code	data	Actuat.		
INSTR Instrument cluster	Info	err. code	data	Actuat.		
JBE Junction-box electronics	Info	err. code	data	Actuat.		
JNAV Navigation system, Japan	Info	err. code	data	Actuat.		
MJOY MINI joystick	Info	err. code	data	Actuat.		
MRS Multiple Restraint system	Info	err. code	data	Actuat.		
PDC Park Distance Control	Info	err. code	data	Actuat.		
RAD Radio	Info	err. code	data	Actuat.		
RAD2-BO User interface	Info	err. code	data	Actuat.		
RAD2-GW Gateway	Info	err. code	data	Actuat.		
SDARS satellite tuner	Info	err. code	data	Actuat.		
SHD Sliding/tilting sunroof	Info	err. code	data	Actuat.	1.Delivery position 2.Initialize slide_tilt sunroof	
SZL Switch center, steering column	Info	err. code	data	Actuat.		
ULF-SBX Interface box	Info	err. code	data	Actuat.		
ULF-SBX-H Interface box High	Info	err. code	data	Actuat.		
VM Video Module	Info	err. code	data	Actuat.		
MINI R 55/56 short test						
Short test	Info	err. code				
MINI R 55/56 coding/program						
Maintenance \ CBS Reset					1.Engine Oil 2.Microfilter 3.Front barke 4.Rear brake 5.Vehicle check 6.Spark plugs 7.Brake fluid 8.Vehicle inspection 9.Exhaust emission inspection 10.Diesel narticle filter	

Maintenance \ CBS Correct					1.Engine Oil 2.Microfilter 3.Front barke 4.Rear brake 5.Vehicle check 6.Spark plugs 7.Brake fluid 8.Diesel narticle filter	
Maintenance					1.Delete transport mode	
Service functions					1.Adjustment, Steering-angle sensor	