FTD-ANL-SBT2003-000103035_B04   V.2   Abbreviations of control units in diagnosis and programming, VIN: K333333

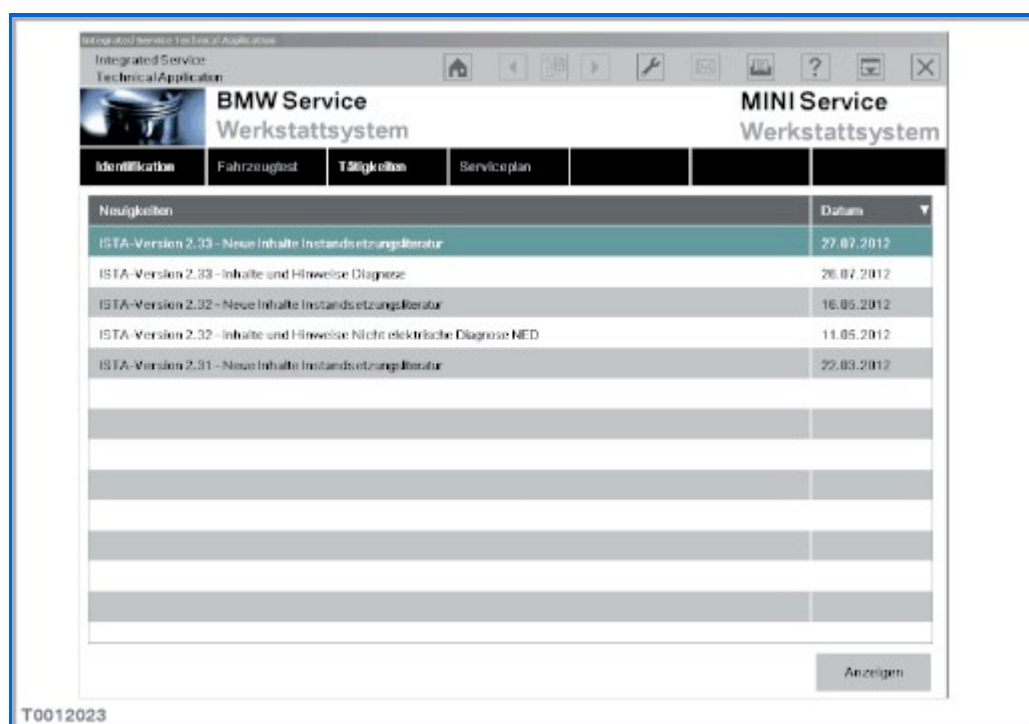|					
ISTA system version	4.03.21.18572	Data version	R4.03.21	Programming data	-
VIN	K333333	Vehicle	4'/F82/Coupe/M4/S55/MANUAL/US/LL/2014/12		
Int.lev.works	-	Int.lev.(cur.)	-	Int.lev.(tar.)	-
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Abbreviations: Control units in diagnosis and programming

Abbreviations of control units in diagnosis and programming

Control units are often designated using an abbreviation. The abbreviation usually also stands for the system in which the control unit operates (e.g. the DSC control unit operates in the Dynamic Stability Control system).

Some abbreviations are derived from the English meaning. Some abbreviations are based on the German meaning. The long forms are mainly German designations. However, English designations or marketing designations may also be used.

This section lists the control units that are referred to by abbreviations in diagnosis and programming.

The graphic shows the Integrated Service Technical Application (ISTA).

Note: Previous abbreviations for control unit names

Since the start of series production of the E65 (electrical system 2000), the control unit designations have been harmonised. Earlier model series have varying control unit designations. For technical reasons associated with the system, these control units have not been renamed.

Reason: These control units appear in the brief test of the diagnosis system (vehicle electrical system topology and control unit list).

The following table also lists the previous abbreviations for the corresponding current abbreviations in the column "Definition". For example, the previous abbreviation SES (voice input system) is also shown for SVS (voice processing system).

The following control unit abbreviations are currently used:

Short form	Definition	Unified Parts Group
We can assume no liability for printing errors or inaccuracies in this document and reserve the right to introduce technical modifications at any time. Date: December 2012		
AB	Airbag	72
ABS	Antilock braking system	34
ABS-DSC	Stability system (EBC_450, MK60)	34
ACC	Active Cruise Control	65
ACP	Audio Control Panel	65
ACSM	Advanced Crash Safety Module	72
ACSM-MRS	Crash Safety Module Multiple Restraint System	72
ADP	Audio Display Panel	65
AGS	Transmission control	24
AHL	Adaptive Headlights	63
AHM	Trailer module	86
AIC	Automatic Interval Control	51, 61
AL	Active steering	32
ALBBF	Active backrest width, front passenger	52, 61
ALBFA	Active backrest width, driver	52, 61
AMP	Amplifier	65, 84

AMPH	Hi-fi amplifier	65, 84
AMPT	Top HiFi amplifier	65, 84
ANT	Aerial tuner	65, 84
APM	Hybrid DC/DC converter (APM stands for Auxiliary Power Module)	61
ARS	Active roll stabilisation (sales designation: Dynamic Drive)	37
ASC	Automatic Stability Control	34
ASC+T	Automatic stability control plus traction	34
ASK	Audio system controller	65
ASD	Active sound design	65
BCM	Battery monitoring module (BCM stands for Battery Control Module)	61
BCO	On-board computer	62, 65
BCO/MID	On-board computer/multi-information display	62, 65
BDC	Body Domain Controller	65
BIT	Basic interface telephone	84
BM	On-board monitor	62, 65
BZM	Centre console control panel	61
BZMF	Control centre, rear compartment centre armrest	61
CA	Comfort Access	65
CAS	Car Access System	65
CBX-ECALL	Combox emergency call	84
CBX-MEDIA	Combox multimedia	84
CCC	Car Communication Computer	84
CCC-A	CCC application	84
CCC-ANT	CCC aerial tuner	84
CCC-ASK	CCC audio system controller	84
CCC-BO	CCC user interface	84

CCC-GW	CCC gateway	84
CCM	Check control module	62, 65
CD	Control display	65
CDC	CD changer	65, 84
CD-GW	Control Display (Gateway)	65
CDM	Coach door module	51, 61
CEM	Clean Energy Module	11, 12
CHAMP	Central head unit and multimedia platform	84
CHAMP-BO	Multimedia platform user interface	84
CHAMP-GW	Multimedia platform gateway	84
CIC	Car Information Computer	84
CIC-GW	Car Information Computer gateway	84
CID	Central information display	62
CIM	Chassis integration module	32
CNAV	Navigation system China	65
CON	Controller	62, 65, 66
CTM	Convertible-top module	54
CVM	Convertible-top module	61
DAB	Digital tuner (DAB stands for Digital Audio Broadcasting)	65
DDE	Digital diesel electronics	12, 13
DDE2	Digital Diesel Electronics 2	12, 13
DKG	Twin-clutch gearbox	23
DME	Digital Motor Electronics	12, 13
DME2	Digital Engine Electronics 2	12, 13
DSC	Dynamic Stability Control	34
DSM	Hybrid parking lock (DSM stands for Direct Shift Module)	24
DSP	Digital sound processor	65
DVDC		

	DVD changer	65
Anti-theft anti-theft alarm system	Alarm system	61, 65, 66
EDC	Electronic Damper Control	37
EDCSVL	Damper satellite, front left	37
EDCSVR	Damper satellite, front right	37
EDCSHL	Damper satellite, rear left	37
EDCSHR	Damper satellite, rear right	37
EDME	Electrical Digital Motor Electronics	11, 12
EGS	Electronic transmission control	24, 65
EHC	Electronic ride height control	31, 33, 37
EHC2	Electronic ride height control (two-axle ride level control)	31, 33, 37
EHPS	Electro-hydraulic power steering (EHPS stands for Electro-hydraulic Power Steering)	22, 31, 32
EKK	Electric A/C compressor	64
EKPS	EKPS	13, 16
ELV	Electric steering lock	32
EMALI	Electromotive retractor, left	65, 72
EMARE	Electromotive retractor, right	65,72
EME	Electrical machine electronics	12, 61
EMF	Automatic Hold brake (EMF is the German abbreviation for electromechanical parking brake)	34
EML	Electronic engine power control	11, 12, 13
EMPI	Hybrid oil pump control unit (EMPI stands for Electrical Motor Pump Inverter)	61
EPS	Electromechanical power steering (EPS stands for Electronic Power Steering)	31, 32
EWS	Electronic immobiliser	61, 65

FADP	Rear compartment audio display panel	65
FBI	Flexible Bus Interface	84
FBZV	Radio remote control for central locking system	65
FCON	Rear-compartment controller	65
FD	Rear-compartment display	65
FD2	Rear compartment display 2	65
Front electronic module	Front Electronic Module	61
FGB	Rear compartment blower	64
FKA	Rear compartment heating and air conditioning system	64
FLA	High-beam assistant	63
FLEL	Frontal Light Electronics Left	63
FLER	Frontal Light Electronics Right	63
FMBT	Rear-compartment monitor	62
FRM	Footwell module	51, 61, 62, 63
FZD	Roof function centre	61
GHAS	Regulated differential lock	33
GM	Basic module control unit	61
GR	Cruise control	65
GWS	Gear lever switch	24
Left-hand targeted illumination	Targeted illumination, left	63
Right-hand targeted illumination	Targeted illumination, right	63
HCP	Hybrid master control unit (HCP stands for Hybrid Controller Processor)	61
HIM	Hybrid Interface Module	61

HDEV	HPFI control unit (HDEV is the German abbreviation for high-pressure fuel injection valve)	13
HDEV2	HPFI control unit 2	13
HKA	Rear automatic climate control	64
HKL	Automatic operation of tailgate	51
HSR	Rear axle slip angle control	33
HKM	Automatic operation of tailgate	51
HU-B	Headunit Basis	65
HUD	Head-Up Display	62, 65
HU-H	Headunit Basis	65
IBOC	Digital tuner US (IBOC stands for In Band On Channel)	65
ICM	Integrated chassis management	31, 33, 34
IHKA	Integrated automatic heating / air conditioning system	64
IHKR	Integrated heating / air-conditioning regulation	64
IHKS	Integrated heating and air-conditioning control	64
IHR	Integrated heating control	64
IHS	Integrated heater control	64
IKE	Instrument cluster	62
iPod	iPod interface	65
IRIS	Integrated radio information system	65
JBE	Junction Box Electronics	61, 64, 65, 66
JBIT	Basic telephone interface in Japanese version	84
JNAV	Japan navigation system	65
KAFAS	Camera-based driver support systems	65
KBM	Body basic module	61
KFS	Radiator-emblem control	51, 61

KGM	Body gateway module	61, 65
KHI	Headphone interface	65
KLE	Convenience charging electronics	61
KNAV	Navigation system Korea	65
Instrument cluster	Instrument cluster	62
KOMBI2	Auxiliary instrument	62
LCM	Light Check Module	63
LDM	Longitudinal dynamics management	66
LHML	LED main light module, left	63
LHMR	LED main light module, right	63
Charging Interface Module	Charging interface module	61
LM	Light module	63
LRA	Automatic headlight beam throw adjustment	63
LRR	Long-range sensor (LRR stands for Long Range Radar)	66
LSZ	Light switch cluster	63
LWR	Headlight beam throw adjustment	63
LWS	Steering angle sensor	32
M-ASK	Multi-audio system controller	84
M-ASK-BO	M-ASK user interface	84
M-ASK-GW	M-ASK gateway	84
M-ASK-NAV	M-ASK navigation system	84
M-ASK-S	M-ASK voice recognition system	84
MCPA	Hybrid electric motor control unit (MCPA stands for Motor Controller Pack A)	
MCPB	Hybrid electric motor control unit 2 (MCPB stands for Motor Controller Pack B)	

MFL	Multifunction steering wheel	23, 32, 61
MID	Multi-information display	62, 84
MIR	Multi-information radio	65
MJOY	MINI joystick	62, 65, 66
MPM	Micro-power module	61
MRS	Multiple restraint system	72
NAR	Navigation radio	65
NAV	Navigation system	65
NVE	Night vision electronics	66
NVK	Night Vision Camera	66
PCU	Power Control Unit	61
PDC	Park distance control	65, 66
PM	Power module	61
PMA	Parking manoeuvring assistant	66
DPC	Rear axle lateral torque distribution	33
RAD	Radio	65
RAD2	BMW professional radio Radio BMW Professional	65
RAD2-GW	RAD2 gateway	65
RCC	Radio clock module (RCC stands for Radio Controlled Clock)	62
RDC	Tyre pressure control	36
RDME	Range extender digital engine electronics	11, 12
REM	Rear electronic module	61
REMAFA	Reversible motorised automatic reel, left	72
REMABF	Reversible motorised automatic reel, right	72
REME	Range extender electrical machine electronics	12, 61
RFK	Reversing camera	65

RLS	Rain/light sensor Previous abbreviation: AIC (Automatic Interval Control)	51, 61
RLS	Rain/light solar sensor	51, 61, 64
DDS	Run Flat Indicator	36
RSE	Rear seat entertainment system (RSE stands for Rear Seat Entertainment)	65
SAS	Optional equipment system	37, 61
SASL	Satellite, A-pillar, left	61
SASR	Satellite, A-pillar, right	61
SBSL	Satellite, B-pillar, left	61
SBSR	Satellite, B-pillar, right	61
SCR	Selective Catalytic Reduction	18
SDARS	Satellite tuner	65, 66, 84
SEC	Auxiliary control unit (SEC stands for Security)	51, 61
SEC2	Auxiliary control unit 2 (SEC stands for Security)	51, 61
SES	Voice control	65
SFZ	Satellite, vehicle centre	65
SG-FD	Rear-compartment display control unit	65
SG-FD-GW	Control unit for rear compartment display (gateway)	65
SGM	Safety and gateway module	61, 65
SGM-SIM	Safety and gateway module (SIM)	61, 65
SGM-ZGM	Safety and gateway module (ZGM)	61, 65
SHD	Slide/tilt sunroof (panorama glass roof for E53, E61, E70, E83 and E91)	41, 54, 61
SHZH	Auxiliary heater Previous abbreviation: STH (auxiliary heater) and SH (auxiliary heater)	17, 64
SIM	Safety and Information Module	65
SINE	Siren and tilt sensor	65
SLM	Seat memory/steering column memory	32, 52

SMB	Front passenger seat memory	61, 65
SMBF	Front passenger seat module	61, 65
SMBFH	Rear passenger's side seat module	61, 65
SME	Battery management electronics	61
SMF	Seat memory, driver	61, 65
SMFA	Seat module, driver	61, 65
SMFAH	Seat module, rear driver's side	61, 65
SMG	Sequential Manual Gearbox SMG	23
SPMBF	Front passenger mirror memory	61, 65
SPMFA	Driver mirror memory	61, 65
SSBF	Satellite, seat, passenger	61
SSFA	Satellite, seat, driver	61
SSH	Rear seat satellite	61
STH	Auxiliary heating	64
STML	Headlight driver module, left	63
STMR	Headlight driver module, right	
STVL	Door satellite, front left	61
STVR	Door satellite, front right	61
SVS	Voice processing system	65, 84
SVT	Servotronic	32
SWW	Lane Change Warning	66
SZL	Steering column switch cluster	61
SZM	Centre console control panel	61
TBX	Touchbox	65
TCB	Telematic Communication Box	84
TCM	Hybrid gearbox control unit (TCM stands for Transmission Control Module)	

TCU	Telematics control unit	84
TEL	Telephone	84
TFE	Hybrid pressure refuelling electronic control unit	16
TLC	Lane departure warning (TLC stands for Time to Line Crossing)	66
TMBF	Door module, passenger	51, 61
TMBFH	Door module, passenger's side, rear	51, 61
TMFA	Door module, driver	51, 61
TMFAH	Door module, driver, rear	51, 61
TOENS	Thermal oil-level sensor	12
TRS	Electronic battery isolating switch	61
TRSVC	Top Rear Side View Camera	65
ULF	Universal charger and hands-free unit	84
ULF-SBX	Interface box	84
ULF-SBX-H	Interface box High	84
URS	Rollover sensor	54, 65
VDM	Vertical Dynamics Management	37
VM	Video module	65
VM-GT	Video module for navigation	65
VSW	Video switch	65
VTC	Valvetronic	11
VTC2	Valvetronic 2	11
VTG	Transfer box	27
VSG	Vehicle Sound Generator	65
WIM	Wiper module	61
Two-battery management	Two-battery management	61
ZGM	Central gateway module	65

ZGM2	Central gateway module 2	65