

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			CAS Car Access System	√	√	√	√	√	√	1.Personalisation key number 2.Disable_enable key 3.Reset internal ELV fault counter	
			DDE Diesel Electronics	√	√	√	√	√	√	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	

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Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
		Driver	DME Digital Motor Electronics	√	√	√	√	√	√	1.DME-CAS adjustment 2.CO adjustment 3.Clear adaptations 4.Delete adaptations/variants 5.Idle speed adjustment 6.Consumption indicator adjustment 7.Learning Valvetronic limit positions 8.Venting, cooling system 9.Register battery change 10.Remove Valvetronic servomotor 11.OBD readiness codes 12.Regeneration, particulate filter 13.Exhaust VANOS test 14. Valvetronic adaptation limit positions	

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Menu				Functions								
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others	
			EGS Transmission control	√	√	√	√	√	√	1.Reset adaptation values 2.Reset learning functions 3.Mechatronics adjustment 4.Oil-level adjustment 5.Oil lifetime 6.Teach in transmission 7.Teach in clutch slip 8.Reset clutch characteristic 9.Teach in valve characteristic curve 10.Parking lock, hook test 11.Parking lock, function test		
			EKPS Fuel-pump control	√	√	√	√	√				
		Chassis	AL Active steering	√	√	√	√	√		1.Startup/adjustment, active front steering		
			DSC Dynamic Stability Control	√	√	√	√	√	√	1.Bleeding DSC Hydraulics 2.Mix Up Check BrakeLines 3.Run flat indicator initialisation 4.Longitudinal acceleration sensor matching 5.DSC sensors check		
			EPS Electronic Power Steering	√	√	√	√	√	√	√	End position teach-in	
			RDC Tyre pressure control	√	√	√	√	√	√			
			AMP Amplifier	√	√	√	√	√	√	√		
			AHM Trailer module	√	√	√	√	√	√			
			CA Comfort Access	√	√	√	√	√				

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Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others	
		Body	CCC-A Applications	√	√	√	√	√				
			CCC-ANT Aerial tuner	√	√	√	√	√			Test AM/FM	
			CCC-ASK Audio system controller	√	√	√	√	√				
			CCC-BO User interface	√	√	√	√	√				
			CCC-GW Gateway	√	√	√	√	√			Set tuner to New Zealand coding Heat unit malfunction Reset hip module	
			CDC CD Changer	√	√	√	√	√				
			CHAMP-BO User interface	√	√	√	√	√				
			CHAMP-GW Gateway	√	√	√	√	√				
			CID Central Information Display	√	√	√	√	√			General fault info	
			CON Controller	√	√	√	√	√				
			CVM Convertible-top module	√	√	√	√	√				
			DAB Digital tuner	√	√	√	√	√				
			DWA Antitheft alarm system	√	√	√	√	√				
			FRM Footwell Module	√	√	√	√	√			Start windows initialising Rear windows, initialising Rear windows, test	
			FRM2 Footwell module 2	√	√	√	√	√			Start windows initialising Rear windows, initialising Rear windows, test	
			FZD Function centre, roof	√	√	√	√	√			1. Initialize rain sensor 2. Sunroof initialisation	
			IHR Integrated heater control	√	√	√	√	√				
		IHKR Interagted heating/air-conditioning regulation	√	√	√	√	√					
		IHKA Integrated automatic heating/air conditioning	√	√	√	√	√			1. Flap motors 2. Coolant compressor		

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Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			INSTR Instrument cluster	√	√	√	√	√	√		
			JBE Junction-box electronics	√	√	√	√	√		Start windows initialising	
			JBE2 Junction Box electronics 2	√	√	√	√	√			
			JNAV Navigation system, Japan	√	√	√	√	√			
			M-ASK-BO User interface	√	√	√	√	√			
			M-ASK-GW Gateway	√	√	√	√	√			
			M-ASK-NAV Navigation system	√	√	√	√	√			
			MRS Multiple Restraint system	√	√	√	√	√			
			PDC Park Distance Control	√	√	√	√	√			
			RAD Radio	√	√	√	√	√			
			RAD2-BO User interface	√	√	√	√	√			
			RAD2-GW Gateway	√	√	√	√	√			
			RLSS Rain/light solar sensor	√	√	√	√	√		1.Initialize rain sensor	
			SDARS satellite tuner	√	√	√	√	√			
			SINE Siren with tilt sensor	√	√	√	√	√			
			SMBF Seat module, passenger	√	√	√	√	√			
			SMFA Seat module, driver	√	√	√	√	√		Normalisation of seat adjustment	
			TCU Telematic Control unit	√	√	√	√	√			
			ULF Universal charging and hands-free facility	√	√	√	√	√			
			ULF-SBX Interface box	√	√	√	√	√			
			ULF-SBX-H Interface box High	√	√	√	√	√			
		Short test		√	√	√					
			MRS5.C05							1.Recoding	
			MRS5.C06							1.Recoding	
			MRS5.C07							1.Recoding	
			MRS5.C08							1.Recoding	
			CCC_ANT.C04							1.Recoding	

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Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			CCC_ANT.C05							1.Recoding	
			CCC_ANT.C06							1.Recoding	
			CCC_ANT.C07							1.Recoding	
			CCC_ANT.C08							1.Recoding	
			CCC_ANT.C09							1.Recoding	
			CCC_ASK.C04							1.Recoding	
			CCC_ASK.C05							1.Recoding	
			CCC_ASK.C06							1.Recoding	
			CCC_ASK.C07							1.Recoding	
			CCC_GW.C02							1.Recoding	
			CCC_GW.C03							1.Recoding	
			CCC_GW.C04							1.Recoding	
			CCC_GW.C05							1.Recoding	
			DWA_IRS.C05							1.Recoding	
			DWASINE.C02							1.Recoding	
			DWASINE.C03							1.Recoding	
			JBBFEII. C06							1.Recoding	
			JBBFEII. C07							1.Recoding	
			JBBFEII. C09							1.Recoding	
			JBBFEII. C0A							1.Recoding	
			RAD2. C04							1.Recoding	
			RAD2. C50							1.Recoding	
			RAD2. C51							1.Recoding	
			RAD22. C20							1.Recoding	
			RAD22. C31							1.Recoding	
			RAD22. C32							1.Recoding	
			RAD22. C33							1.Recoding	
			RAD22. C34							1.Recoding	
			MRS5CD. C01							1.Recoding	

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Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			MRS5CD. C20							1.Recoding	
			MRS5CD. C21							1.Recoding	
			MRS5CD. C22							1.Recoding	
			DSC8_RPA. C06							1.Recoding	
			DSC8_RPA. C09							1.Recoding	
			DSC8_RPA. C10							1.Recoding	
			DSC8_RPA. C0B							1.Recoding	
			DSC8_RPA. C0D							1.Recoding	
			DSC8_RPA. C0E							1.Recoding	
			DSC8_RPA. C0F							1.Recoding	
			CAS2. C05							1.Recoding	
			CAS2. C06							1.Recoding	
			CAS2. C08							1.Recoding	
			CAS2. C09							1.Recoding	
			MK60_87. C09							1.Recoding	
			DWASINE. C05							1.Recoding	
			GKE11K. C08							1.Recoding	
			EKPM60_3. C11							1.Recoding	
			EKPM60_3. C12							1.Recoding	
			EKPM60_3. C13							1.Recoding	
			EPS_PL2. C02							1.Recoding	
			EPS_PL2. C03							1.Recoding	
			CFAS_PLX. C10							1.Recoding	
			CFAS_PLX. C11							1.Recoding	
			CFAS_PLX. C13							1.Recoding	
			CFAS_PLX. C15							1.Recoding	
			CFAS_PLX. C20							1.Recoding	
			IHXXPL2. C02							1.Recoding	
			MASK_E60. C06							1.Recoding	

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Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			MASK_E60. C07							1.Recoding	
			MASK_E60. C08							1.Recoding	
			MASK_E60. C09							1.Recoding	
			MASK_E60. C0A							1.Recoding	
			MASK_E60. C0B							1.Recoding	
			MASK_E60. C0C							1.Recoding	
			MASK_E60. C0D							1.Recoding	
			MASK_E60. C0E							1.Recoding	
			MASK_E60. C0F							1.Recoding	
			ULF2MOST. C12							1.Recoding	
			FRM2_E89. C08							1.Recoding	
			FRM2_E89. C09							1.Recoding	
			FRM3_E89. C31							1.Recoding	
			RLS_PL2. C07							1.Recoding	
			RLS_PL2. C08							1.Recoding	
			VGSG90. C03							1.Recoding	
			VGSG90. C04							1.Recoding	
			VGSG90. C05							1.Recoding	
			VGSG90. C06							1.Recoding	
			Car Key Memory\CAS[Car Access System]\Easy entry\Easy entry KEY::01							1.Not active 2.Active	
			Car Key Memory\CAS[Car Access System]\Easy entry\Easy entry KEY::02							1.Not active 2.Active	
			Car Key Memory\CAS[Car Access System]\Easy entry\Easy entry KEY::03							1.Not active 2.Active	

E81/E82/  
E87/E88



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Menu			Functions								
Series	Chassis	Module	Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others	
	E87/E88		Car Key Memory\CAS[Car Access System]\Easy entry\Easy entry KEY::04						1.Not active 2.Active		
	E87/E88		Car Key Memory\CAS[Car Access System]\Convenience opening/closing\Convenience opening,remote control All keys						1.Not active 2.Active		
	E87/E88		Car Key Memory\CAS[Car Access System]\Convenience opening/closing\Convenience closing,remote control All keys						1.Not active 2.Active		
	E87/E88		Car Key Memory\CAS[Car Access System]\Convenience opening/closing\Comfort opening override ALL KEYS						1.Not active 2.Active		
	E87/E88		Car Key Memory\CAS[Car Access System]\Convenience opening/closing\Comfort closing override ALL KEYS						1.Not active 2.Active		
	E87/E88		Car Key Memory\CAS[Car Access System]\Drive away locking\Locking threshold ALL KEYS						1.2 KM/H 2.4 KM/H 3.8 KM/H 4.16 KM/H 5.32 KM/H		

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Menu				Functions									
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others		
1 Series			Car Key Memory\CAS[Car Access System]\Drive away locking\Automatic locking when driving KEY:01							1.Not active 2.Active			
			Car Key Memory\CAS[Car Access System]\Drive away locking\Automatic locking when driving KEY:02							1.Not active 2.Active			
			Car Key Memory\CAS[Car Access System]\Drive away locking\Automatic locking when driving KEY:03								1.Not active 2.Active		
			Car Key Memory\CAS[Car Access System]\Drive away locking\Automatic locking when driving KEY:04								1.Not active 2.Active		
			Car Key Memory\CAS[Car Access System]\Selective central locking>Selective central locking Door lock									1.Not active 2.Active	
			Car Key Memory\CAS[Car Access System]\Selective central locking>Selective central locking Door lock 01									1.Not active 2.Active	
			Car Key Memory\CAS[Car Access System]\Selective central locking>Selective central locking Door lock 02									1.Not active 2.Active	

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Menu				Functions								
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others	
		ing / Prog	Car Key Memory\CAS[Car Access System]\Selective central locking\Selective central locking Door lock 03							1.Not active 2.Active		
			Car Key Memory\CAS[Car Access System]\Selective central locking\Selective central locking Door lock 04								1.Not active 2.Active	
			Car Key Memory\CAS[Car Access System]\Luggage compartment lid release\Luggage compartment lid open ALL KEYS								1.Not active 2.Active	
			Car Key Memory\CAS[Car Access System]\Luggage compartment lid release\Luggage compartment lid open ALL KEYS								1.always 2.If double unlocked	
			Car Key Memory\CAS[Car Access System]\Rear-window unlocking\Rear-window unlocking KEY:01								1.Not active 2.Active	
			Car Key Memory\CAS[Car Access System]\Rear-window unlocking\Rear-window unlocking KEY:02								1.Not active 2.Active	
			Car Key Memory\CAS[Car Access System]\Rear-window unlocking\Rear-window unlocking KEY:03								1.Not active 2.Active	

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Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			Car Key Memory\CAS[Car Access System]\Rear-window unlocking\Rear-window unlocking KEY:04							1.Not active 2.Active	
			Car Key Memory\CAS[Car Access System]\Locking after unlocking without opening\Locking after unlocking without opening KEY:01							1.Not active 2.Active	
			Car Key Memory\CAS[Car Access System]\Locking after unlocking without opening\Locking after unlocking without opening KEY:02							1.Not active 2.Active	
			Car Key Memory\CAS[Car Access System]\Locking after unlocking without opening\Locking after unlocking without opening KEY:03							1.Not active 2.Active	
			Car Key Memory\CAS[Car Access System]\Locking after unlocking without opening\Locking after unlocking without opening KEY:04							1.Not active 2.Active	
			Car Key Memory\CAS[Car Access System]\Alarm options\Activation and deactivation ALL KEYS							1.Remote control or door lock 2.Deactivation only via radio remote control	
			Car Key Memory\CAS[Car Access System]\Alarm options\Panic alarm ALL KEYS							1.Not active 2.Active	
			Car Key Memory\DWA[Burglar-alarm system]\Tilt sensor ALL KEYS							1.Not active 2.Active	

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Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			Car Key Memory\DWA[Burglar-alarm system]\Interior sensor All KEYS							1.Not active 2.Active	
			Car Key Memory\DWA[Burglar-alarm system]\Visual acknowledgement during activation ALL KEYS							1.Not active 2.Active	
			Car Key Memory\DWA[Burglar-alarm system]\Arm visually doors/lids closed ALL KEYS							1.Not active 2.Active	
			Car Key Memory\DWA[Burglar-alarm system]\Visual deactivation ALL KEYS							1.Not active 2.Active	
			Car Key Memory\DWA[Burglar-alarm system]\Activation acknowledgement during activation ALL KEYS							1.Not active 2.Active	
			Car Key Memory\DWA[Burglar-alarm system]\Arm acoustically doors/lids closed ALL KEYS							1.Not active 2.Active	
			Car Key Memory\DWA[Burglar-alarm system]\Acoustic acknowledgement during deactivation ALL KEYS							1.Not active 2.Active	
			Car Key Memory\FRM[Footwell module]\Home lights,time period All KEYS							1.Not active 2.40s 3.90s 4.150s 5.240s	

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Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			Car Key Memory\FRM[Footwell module]\Visual unlocking,without anti-theft alarm system ALL KEYS							1.Not active 2.Active	
			Car Key Memory\FRM[Footwell module]\Visual locking,without anti-theft alarm system ALL KEYS							1.Not active 2.Active	
			Car Key Memory\FRM[Footwell module]\One-touch function,turn indicator ALL KEYS							1.1x flashing 2.3x flashing	
			Car Key Memory\FRM[Footwell module]\Daytime driving lights ECE ALL KEYS							1.Not active 2.Active	
			Car Key Memory\FRM[Footwell module]\Daytime running lights US ALL KEYS							1.Not active 2.Active	
			Car Key Memory\RLS[Rain/light Sensors]\Automatic driving lights control(set of threshold values)ALL KEYS							1.Normal 2.Sensitive 3.Very sensitive	
			Car Key Memory\SMFA[Seat Module, drivers]\Seat/mirror adjustment CAR							1.Not active 2.After unlocking with remote control 3.After unlocking and door opening	
			Car Key Memory\SMFA[Seat Module, drivers]\Seat/mirror adjustment Driver's door lock							1.Not active 2.After unlocking 3.After unlocking and door opening	

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Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			Car Key Memory\SMFA[Seat Module, drivers]\Seat/mirror adjustment Passengers's door lock							1.Not active 2.After unlocking 3.After unlocking and door opening	
			Car Key Memory\SMFA[Seat Module, drivers]\Seat/mirror adjustment KEY:01							1.Not active 2.After unlocking with remote control 3.After unlocking and door opening	
			Car Key Memory\SMFA[Seat Module, drivers]\Seat/mirror adjustment KEY:02							1.Not active 2.After unlocking with remote control 3.After unlocking and door opening	
			Car Key Memory\SMFA[Seat Module, drivers]\Seat/mirror adjustment KEY:03							1.Not active 2.After unlocking with remote control 3.After unlocking and door opening	
			Car Key Memory\SMFA[Seat Module, drivers]\Seat/mirror adjustment KEY:04							1.Not active 2.After unlocking with remote control 3.After unlocking and door opening	

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Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			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 9.Vehicle inspection 10.Exhaust emission inspection	
			Maintenance							1.Delete transport mode	
			Service functions							1.Adjustment, Steering-angle sensor	
			CAS Car Access System	√	√	√	√	√			



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Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
		Driver	DME/DDE Digital motor/Diesel electronics	√	√	√	√	√		1.Battery management 2.Fuel injector test 3.Fuel injector adaptation 4.Swirl flap 5.Rail pressure regulating valve 6.Fuel pump 7.Mean quantity 8.EGR matching 9.Smooth running control 10.Valvetronic adaptation limit positions 11.Throttle valve actuator 12.Accelerator pedal module	
			DME2 Digital Motor Electronics 2	√	√	√	√	√			
			EKPS Electronic Fuel pump	√	√	√	√	√			
			EGS/SMG Transmission management	√	√	√	√	√			
			GWS Gear selector switch	√	√	√	√	√			
		Chassis	ICM Integrated chassis management	√	√	√	√	√			
			DSC Dynamic Stability Control	√	√	√	√	√		Brake bleeding procedure	
			EMF Parking brake	√	√	√	√	√		EMF workshop mode	
			EPS Electronic Power Steering	√	√	√	√	√			
			VDM Vertical Dynamics Management	√	√	√	√	√			

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			JBE Junction-box electronics	√	√	√	√	√		1.Power window initialisations 2.Rain sensor initialisation	
			ACSM Crash Safety Module	√	√	√	√	√			
			SZL Switch center steering column	√	√	√	√	√		Steering wheel angle sensor adjustment	
			TR SVC All round view camera	√	√	√	√	√			
			ZGM Central Gateway Module	√	√	√	√	√			
			FZD Function centre, roof	√	√	√	√	√		Sunroof initialisation	
			KAFAS Camera based driver assist systems	√	√	√	√	√			
			FLA High Beam Assist	√	√	√	√	√			
			INSTR Instrument cluster	√	√	√	√	√			
			CIC/CHAMP Car headunit platform	√	√	√	√	√			
			PDC Park Distance Control	√	√	√	√	√			
			CON Controller	√	√	√	√	√			
		Body	SMFAH Seat module, driver's side rear	√	√	√	√	√		Normalisation of seat	
			SMBFH Seat module, passenger's side rear	√	√	√	√	√		Normalisation of seat	
			SMFA Seat module, driver	√	√	√	√	√			
			SMBF Seat module, passenger	√	√	√	√	√		Normalisation of seat	
			AHM Trailer module	√	√	√	√	√			
			FRM Footwell Module	√	√	√	√	√		Power window initialisations	
			CID Central Information Display	√	√	√	√	√			
			FD Rear compartment display	√	√	√	√	√			
			IHKA Integrated automatic heating/air conditioning	√	√	√	√	√			

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Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			FKA Rear-cabin automatic A/C	√	√	√	√	√			
			HKA Rear-cabin automatic A/C	√	√	√	√	√			
			AMP Amplifier	√	√	√	√	√			
			PMA Parking assistant	√	√	√	√	√			
			CBX-ECALL ComBox emergency call	√	√	√	√	√			
			VDC	√	√	√	√	√			
		Short test		√	√	√					
		Coding / Program	Maintenance \ CBS Reset \ Software reset							1.Engine Oil 2.Front barke 3.Rear brake 4.Vehicle check 5.Brake fluid 6.Vehicle inspection 7.Exhaust emission inspection	

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Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
E30		Driver	DME Digital Motor Electronics	√	√	√	√	√		1.Clear Adaptations 2.DME/DDE-EWS adjustment 3.CO adjustment 4.Smooth running measurement 5.Tank Leakage System Check 6.Secondary Air System Check 7.Status Diagnosis Functions 8.OBD Readiness Display 9.Idle speed adjustment 10.Program All Adjustments 11.Operation On Roller Dvnamometer	
			EGS Transmission control	√	√	√	√	√			
			EWS (Elec. immobilize system)	√	√	√	√	√			
		Chassis	ABS Antilock brake	√	√	√	√	√		1.TEST PROCEDURES 2.BLEEDING THE ABS/ASC HYDRAULIC SYSTEM 3.RESET ABS MOTOR RELAY CLOCK COUNTER	
			EHC/EDC (Signal-axle air suspension)	√	√	√	√	√			
			ADS Throttle-Valve Control	√	√	√	√	√			
			AHK (Active-Axle Kinematics)	√	√	√	√	√			
			CVM Convertible-top module	√	√	√	√	√			

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
		Body	DWA Antitheft alarm system	√	√	√	√	√			
			EKM (Electronic Body Module)	√	√	√	√	√			
			EML (Elec. throttle)	√	√	√	√	√			
			FHK (Rear Heater A/C System)	√	√	√	√	√			
			GR (Cruise control)	√	√	√	√	√			
			GSA (Closed-Loop-Controlled Differential-Lock AWD)	√	√	√	√	√			
			IHKA/IHKB (AC/heater)	√	√	√	√	√			
			IKE/IKI/KOMBI	√	√	√	√	√			
			LSZ/LCM (Light switching center)	√	√	√	√	√			
			MID (Multi Information Display)	√	√	√	√	√			
			PDC Park Distance Control	√	√	√	√	√			
			RAD (Radio)	√	√	√	√	√			
			SHD Sliding/tilting sunroof	√	√	√	√	√			
			SPM/SM	√	√	√	√	√			
			SRS (Air bag)	√	√	√	√	√			
			URS (Rollover sensor)	√	√	√	√	√			
			VMX (Top-speed Regulation)	√	√	√	√	√			
			VNC (Variable Camshaft Control)	√	√	√	√	√			
			XEN (XENON LIGHTS)	√	√	√	√	√			
			ZKE (Central body electronic)	√	√	√	√	√			
		Short test		√	√	√					
		Coding / Program	ZCS/FA Coding							1.Display Coding code and print	
			ZCS/FA Coding								1. Key Test 2. Display status of all keys 3. Disable/Enable key

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
		Driver	DME Digital Motor Electronics	√	√	√	√	√		1.Clear Adaptations 2.DME/DDE-EWS adjustment 3.CO adjustment 4.Smooth running measurement 5.Tank Leakage System Check 6.Secondary Air System Check 7.Status Diagnosis Functions 8.OBD Readiness Display 9.Idle speed adjustment 10.Program All Adjustments 11.Operation On Roller Dynamometer or 1.Idle speed 2.Exhaust-gas recirculation 3.Start basic injection quantity 4.Limitation delivery 5.Injection rate 6.Consumption calculation 7.Injector rate adjustment	
			EGS Transmission control	√	√	√	√	√			
			EWS (Elec. immobilize system)	√	√	√	√	√			

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
		Chassis	ABS Antilock brake	√	√	√	√	√		1.TEST PROCEDURES 2.BLEEDING THE ABS/ASC HYDRAULIC SYSTEM 3.RESET ABS MOTOR RELAY CLOCK COUNTER	
			EHC/EDC (Signal-axle air suspension)	√	√	√	√	√			
		Body	ADS Throttle-Valve Control	√	√	√	√	√			
			AHK (Active-Axle Kinematics)	√	√	√	√	√			
			CVM Convertible-top module	√	√	√	√	√			
			DWA Antitheft alarm system	√	√	√	√	√			
			EKM (Electronic Body Module)	√	√	√	√	√			
			EML (Elec. throttle)	√	√	√	√	√			
			FHK (Rear Heater A/C System)	√	√	√	√	√			
			GR (Cruise control)	√	√	√	√	√			
			GSA (Closed-Loop-Controlled Differential-Lock AWD)	√	√	√	√	√			
			IHKA/IHKR (AC/heater)	√	√	√	√	√			
			IKE/IKI/KOMBI	√	√	√	√	√			
			LSZ/LCM (Light switching center)	√	√	√	√	√			
			MID (Multi Information Display)	√	√	√	√	√			
			PDC Park Distance Control	√	√	√	√	√			
			RAD (Radio)	√	√	√	√	√			
			SHD Sliding/tilting sunroof	√	√	√	√	√			
			SPM/SM	√	√	√	√	√			
			SRS (Air bag)	√	√	√	√	√			
		URS (Rollover sensor)	√	√	√	√	√				
		VMX (Top-speed Regulation)	√	√	√	√	√				
		VNC (Variable Camshaft Control)	√	√	√	√	√				

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions								
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others	
	E36		XEN (XENON LIGHTS)	√	√	√	√	√				
			ZKE (Central body electronic)	√	√	√	√	√				
		Short test		√	√	√						
			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	



## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
		Coding / Program	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	

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			Service functions							1. Key Test 2. Display status of all keys 3. Disable/Enable key	
		Driver	DME Digital Motor Electronics	√	√	√	√	√		1.Clear Adaptations 2.DME/DDE-EWS adjustment 3.CO adjustment 4.Smooth running measurement 5.Tank Leakage System Check 6.Secondary Air System Check 7.Status Diagnosis Functions 8.OBD Readiness Display 9.Idle speed adjustment 10.Program All Adjustments 11.Operation On Roller Dynamometer or 1.Idle speed 2.Exhaust-gas recirculation 3.Start basic injection quantity 4.Limitation delivery 5.Injection rate 6.Consumption calculation 7.Injector rate adjustment	

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			EGS Transmission control	√	√	√	√	√		1.Teach in transmission 2.Teach in clutch slip 3.Reset clutch characteristic 4.Clutch sensor function test 5.Reduce hydraulic pressure 6.Bleed hydraulic system	
			EWS (Elec. immobilize system)	√	√	√	√	√			
		Chassis	ABS Antilock brake	√	√	√	√	√		1.TEST PROCEDURES 2.BLEEDING THE ABS/ASC HYDRAULIC SYSTEM 3.RESET ABS MOTOR RELAY CLOCK COUNTER	
			LEW (Steering-angle sensor)	√	√	√	√	√			
			MFL (Multi-function steering wheel)	√	√	√	√	√			
			RDC (Tyre pressure control)	√	√	√	√	√			
		Body	BIT (Basis Interface Telephone)	√	√	√	√	√			
			BM (On-board monitor)	√	√	√	√	√			
			CVM Convertible-top module	√	√	√	√	√			
			GR (Cruise control)	√	√	√	√	√			
			IHKA/IHKR (AC/heater)	√	√	√	√	√			
			IKE/IKI/KOMBI	√	√	√	√	√		1.Reset service interval indicator	
			LSZ/LCM (Light switching center)	√	√	√	√	√			
			PDC Park Distance Control	√	√	√	√	√			
			RAD (Radio)	√	√	√	√	√			
			SHD Sliding/tilting sunroof	√	√	√	√	√			

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			SMB (Entrance aid,passenger)	√	√	√	√	√			
			SMF (Seat memory,driver)	√	√	√	√	√			
			SPMBT (Mirror memory,passenger)	√	√	√	√	√			
			SPMFT (Mirror memory,driver)	√	√	√	√	√			
			SRS (Air bag)	√	√	√	√	√			
			SZM (Switching center, center console)	√	√	√	√	√			
			URS (Rollover sensor)	√	√	√	√	√			
			ZKE (Central body electronic)	√	√	√	√	√			
		Short test		√	√	√					
			Mirror memory, passenger Code Index 01							1.Recoding	
			Convertible top module Code Index 03							1.Recoding	
			Immobiliser Code Index 81							1.Recoding	
			Mirror memory, driver Code Index 01							1.Recoding	
			Central Body Electronic Code Index 01							1.Recoding	
			Central Body Electronic Code Index 02							1.Recoding	
			Central Body Electronic Code Index 04							1.Recoding	
			Central Body Electronic Code Index 05							1.Recoding	
			Heater and A/C control Code Index 01							1.Recoding	

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			Heater and A/C control Code Index 02							1.Recoding	
			Heater and A/C control Code Index 03							1.Recoding	
			Heater and A/C control Code Index 12							1.Recoding	
			Heater and A/C control Code Index 13							1.Recoding	
			Heater and A/C control Code Index 14							1.Recoding	
			Heater and A/C control Code Index 15							1.Recoding	
			Heater and A/C control Code Index 16							1.Recoding	
			Heater and A/C control Code Index 17							1.Recoding	
			Instrument cluster Code Index 02							1.Recoding	
			Instrument cluster Code Index 03							1.Recoding	
			Instrument cluster Code Index 04							1.Recoding	
			Instrument cluster Code Index 05							1.Recoding	
			Instrument cluster Code Index 06							1.Recoding	
			Instrument cluster Code Index 07							1.Recoding	

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			Instrument cluster Code Index 08							1.Recoding	
			Light switching centre Code Index 26							1.Recoding	
			Light switching centre Code Index 27							1.Recoding	
			Light switching centre Code Index 28							1.Recoding	
			Light switching centre Code Index 29							1.Recoding	
			Light switching centre Code Index 31							1.Recoding	
			Light switching centre Code Index 32							1.Recoding	
			Light switching centre Code Index 34							1.Recoding	
			Light switching centre Code Index 35							1.Recoding	
			Light switching centre Code Index 36							1.Recoding	
			Steering-angle sensor Code Index 01							1.Recoding	
			ABS with automatic stability control Code Index 03							1.Recoding	
			ABS with automatic stability control Code Index 04							1.Recoding	
			ABS with automatic stability control Code Index 05							1.Recoding	

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			Airbag Code Index 07							1.Recoding	
			Airbag Code Index 31							1.Recoding	
			Park distance control Code Index 03							1.Recoding	
			Radio Code Index 01							1.Recoding	
			Radio Code Index 02							1.Recoding	
			Sunroof module Code Index 01							1.Recoding	
			Sunroof module Code Index 02							1.Recoding	
			Sunroof module Code Index 03							1.Recoding	
			Sunroof module Code Index 04							1.Recoding	
			Seat module Code Index 01							1.Recoding	
			Type pressure control Code Index 01							1.Recoding	
			Rain/light sensor Code Index 02							1.Recoding	
			Basic telephone interface Code Index 02							1.Recoding	
			CVM_e46.C04							1.Recoding	
			DSC5_7.C13							1.Recoding	
			DSC5_7.C17							1.Recoding	

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			DSC5_7.C19							1.Recoding	
			EWS.C81 AEWS							1.Recoding	
			GM5.C06							1.Recoding	
			GT.C03							1.Recoding	
			GT.C04							1.Recoding	
			GT.C05							1.Recoding	
			GT.C06							1.Recoding	
			GT.C07							1.Recoding	
			GT.C08							1.Recoding	
			LWS5.C01							1.Recoding	
			MK60.C01							1.Recoding	
			MK60.C04							1.Recoding	
			MK60.C06							1.Recoding	
			MK60.C12							1.Recoding	
			MK60.C13							1.Recoding	
			MRS4_16.C32							1.Recoding	
			Car Key Memory\IHKA [Integrated automatic heating/ A/C control]\Automatic(IHKA)\Recirculated air memory							1.Not active 2.Active	
			Car Key Memory\IHKA [Integrated automatic heating/ A/C control]\Automatic(IHKA)\Temperature unit							1.°C 2.°F	
			Car Key Memory\IHKA [Integrated automatic heating/ A/C control]\Automatic(IHKA)\Set fan power\Key 1							1.Not active 2.Raise 3.Lower	



## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			Car Key Memory\IHKA [Integrated automatic heating/ A/C control]\Automatic(IHKA)\Set fan power\Key 2							1.Not active 2.Raise 3.Lower	
			Car Key Memory\IHKA [Integrated automatic heating/ A/C control]\Automatic(IHKA)\Set fan power\Key 3							1.Not active 2.Raise 3.Lower	
			Car Key Memory\IHKA [Integrated automatic heating/ A/C control]\Automatic(IHKA)\Set fan power\Key 4							1.Not active 2.Raise 3.Lower	
			Car Key Memory\IHKA [Integrated automatic heating/ A/C control]\Automatic(IHKA)\Display blower bar in automatic mode\Key 1							1.Not active 2.Active	
			Car Key Memory\IHKA [Integrated automatic heating/ A/C control]\Automatic(IHKA)\Display blower bar in automatic mode\Key 2							1.Not active 2.Active	
			Car Key Memory\IHKA [Integrated automatic heating/ A/C control]\Automatic(IHKA)\Display blower bar in automatic mode\Key 3							1.Not active 2.Active	
			Car Key Memory\IHKA [Integrated automatic heating/ A/C control]\Automatic(IHKA)\Display blower bar in automatic mode\Key 4							1.Not active 2.Active	

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			Car Key Memory\IHKA [Integrated automatic heating/ A/C control]\Automatic(IHKA)\Open ventilation in warm up phase\Key 1							1.Not active 2.Active	
			Car Key Memory\IHKA [Integrated automatic heating/ A/C control]\Automatic(IHKA)\Open ventilation in warm up phase\Key 2							1.Not active 2.Active	
			Car Key Memory\IHKA [Integrated automatic heating/ A/C control]\Automatic(IHKA)\Open ventilation in warm up phase\Key 3							1.Not active 2.Active	
			Car Key Memory\IHKA [Integrated automatic heating/ A/C control]\Automatic(IHKA)\Open ventilation in warm up phase\Key 4							1.Not active 2.Active	
			Car Key Memory\IHKA [Integrated automatic heating/ A/C control]\Automatic(IHKA)\Flaps,after terminal 15,on\Key 1							1.Not active 2.Active	
			Car Key Memory\IHKA [Integrated automatic heating/ A/C control]\Automatic(IHKA)\Flaps,after terminal 15,on\Key 2							1.Not active 2.Active	
			Car Key Memory\IHKA [Integrated automatic heating/ A/C control]\Automatic(IHKA)\Flaps,after terminal 15,on\Key 3							1.Not active 2.Active	

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			Car Key Memory\IHKA [Integrated automatic heating/ A/C control]\Automatic(IHKA)\Flaps,after terminal 15,on\Key 4							1.Not active 2.Active	
			Car Key Memory\IHKA [Integrated automatic heating/ A/C control]\Automatic(IHKA)\Correction set temperature\Key 1							1.Not active 2.+1° 3.+2° 4.+3° 5.-3° 6.-1° 7.-2° 8.-3°	
			Car Key Memory\IHKA [Integrated automatic heating/ A/C control]\Automatic(IHKA)\Correction set temperature\Key 2							1.Not active 2.+1° 3.+2° 4.+3° 5.-3° 6.-1° 7.-2° 8.-3°	
			Car Key Memory\IHKA [Integrated automatic heating/ A/C control]\Automatic(IHKA)\Correction set temperature\Key 3							1.Not active 2.+1° 3.+2° 4.+3° 5.-3° 6.-1° 7.-2° 8.-3°	

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			Car Key Memory\IHKA [Integrated automatic heating/ A/C control]\Automatic(IHKA)\Correction set temperature\Key 4							1.Not active 2.+1° 3.+2° 4.+3° 5.-3° 6.-1° 7.-2° 8.-3°	
			Car Key Memory\IHKA [Integrated automatic heating/ A/C control]\Automatic(IHKA)\Air conditioning on at\Key 1							1.Not active 2.Active	
			Car Key Memory\IHKA [Integrated automatic heating/ A/C control]\Automatic(IHKA)\Air conditioning on at\Key 2							1.Not active 2.Active	
			Car Key Memory\IHKA [Integrated automatic heating/ A/C control]\Automatic(IHKA)\Air conditioning on at\Key 3							1.Not active 2.Active	
			Car Key Memory\IHKA [Integrated automatic heating/ A/C control]\Automatic(IHKA)\Air conditioning on at\Key 4							1.Not active 2.Active	
			Car Key Memory\IHKA [Integrated automatic heating/ A/C control]\Automatic(IHKA)\Automatic blower function\Key 1							1.Not active 2.Active	

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			Car Key Memory\IHKA [Integrated automatic heating/ A/C control]\Automatic(IHKA)\Automatic blower function\Key 2							1.Not active 2.Active	
			Car Key Memory\IHKA [Integrated automatic heating/ A/C control]\Automatic(IHKA)\Automatic blower function\Key 3							1.Not active 2.Active	
			Car Key Memory\IHKA [Integrated automatic heating/ A/C control]\Automatic(IHKA)\Automatic blower function\Key 4							1.Not active 2.Active	
			Car Key Memory\IHKA [Integrated automatic heating/ A/C control]\Manual(IHKA)\Recirculated air memory							1.Not active 2.Active	
			Car Key Memory\IHKA [Integrated automatic heating/ A/C control]\Manual(IHKA)\Set fan power\Key 1							1.Not active 2.Raise 3.Lower	
			Car Key Memory\IHKA [Integrated automatic heating/ A/C control]\Manual(IHKA)\Set fan power\Key 2							1.Not active 2.Raise 3.Lower	
			Car Key Memory\IHKA [Integrated automatic heating/ A/C control]\Manual(IHKA)\Set fan power\Key 3							1.Not active 2.Raise 3.Lower	

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
	E46		Car Key Memory\IHKA [Integrated automatic heating/ A/C control]\Manual(IHKA)\Set fan power\Key 4							1.Not active 2.Raise 3.Lower	
	E46		Car Key Memory\IHKA [Integrated automatic heating/ A/C control]\Manual(IHKA)\Correction set temperature\Key 1							1.Not active 2.+1° 3.+2° 4.+3° 5.-3° 6.-1° 7.-2° 8.-3°	
	E46		Car Key Memory\IHKA [Integrated automatic heating/ A/C control]\Manual(IHKA)\Correction set temperature\Key 2							1.Not active 2.+1° 3.+2° 4.+3° 5.-3° 6.-1° 7.-2° 8.-3°	
	E46		Car Key Memory\IHKA [Integrated automatic heating/ A/C control]\Manual(IHKA)\Correction set temperature\Key 3							1.Not active 2.+1° 3.+2° 4.+3° 5.-3° 6.-1° 7.-2° 8.-3°	

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
		Coding / Program	Car Key Memory\IHKA [Integrated automatic heating/ A/C control]\Manual(IHKA)\Correction set temperature\Key 4							1.Not active 2.+1° 3.+2° 4.+3° 5.-3° 6.-1° 7.-2° 8.-3°	
			Car Key Memory\IHKA [Integrated automatic heating/ A/C control]\Manual(IHKA)\Air conditioning on at\Key 1							1.Not active 2.Active	
			Car Key Memory\IHKA [Integrated automatic heating/ A/C control]\Manual(IHKA)\Air conditioning on at\Key 2							1.Not active 2.Active	
			Car Key Memory\IHKA [Integrated automatic heating/ A/C control]\Manual(IHKA)\Air conditioning on at\Key 3							1.Not active 2.Active	
			Car Key Memory\IHKA [Integrated automatic heating/ A/C control]\Manual(IHKA)\Air conditioning on at\Key 4							1.Not active 2.Active	

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			Car Key Memory\KOM [Instrument cluster]\Language							1.German 2.English UK 3.English US 4.Italian 5.Spanish 6.Japanese 7.French 8.English (CDN) 9.Gulf states 10. ---	
			Car Key Memory\KOM [Instrument cluster]\Distance							1.KM 2.MLS3.---	
			Car Key Memory\KOM [Instrument cluster]\Time							1.24H 2.12H	
			Car Key Memory\KOM [Instrument cluster]\Fuel consumption							1.L/100 KM 2.MPG(UK) 3.MPG(US) 4.KM/LITRE	
			Car Key Memory\KOM [Instrument cluster]\Temperature							1.°C 2.°F	
			Car Key Memory\KOM [Instrument cluster]\Outside temperature warning							1.Not active 2.Active	
			Car Key Memory\KOM [Instrument cluster]\Ignition key							1.Not active 2.Active	
			Car Key Memory\LSZ/LCM [Light switching center]\Day time running lights							1.Not active 2.Active	



## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			Car Key Memory\LSZ/LCM [Light switching center]\Home lights							1.Not active 2.40 Seconds 3.90 Seconds 4.150 Seconds 5.240 Seconds	
			Car Key Memory\LSZ/LCM [Light switching center]\Home lights with dipped beam							1.Not active 2.Active	
			Car Key Memory\LSZ/LCM [Light switching center]\Home lights with rear sidelights							1.Not active 2.Active	
			Car Key Memory\LSZ/LCM [Light switching center]\Home lights with front sidelights							1.Not active 2.Active	
			Car Key Memory\LSZ/LCM [Light switching center]\Home lights with instrument lights							1.Not active 2.Active	
			Car Key Memory\LSZ/LCM [Light switching center]\Home lights with license plate							1.Not active 2.Active	
			Car Key Memory\LSZ/LCM [Light switching center]\Home lights with front fog lights							1.Not active 2.Active	
			Car Key Memory\LSZ/LCM [Light switching center]\Home lights with main beam							1.Not active 2.Active	
			Car Key Memory\LSZ/LCM [Light switching center]\Home lights with brake lights							1.Not active 2.Active	

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			Car Key Memory\PDC [Park Distance Control]\Switch on message(rear)							1.Not active 2.Active	
			Car Key Memory\RAD [Radio]\New generation radio key selective							1.Not active 2.Active	
			Car Key Memory\SMF [Seat memory, driver]\Seat position							1.When car is unlocked 2.When door is opened 3.Not active	
			Car Key Memory\SPMBT [Mirror memory, passenger]\Mirror memory,automatic parking function							1.Not active 2.Active	
			Car Key Memory\SPMBT [Mirror memory, passenger]\Convenient folding mirrors							1.Not active 2.Active	
			Car Key Memory\SPMFT [Mirror memory, driver]\Mirror memory,automatic parking function							1.Not active 2.Active	
			Car Key Memory\SPMFT [Mirror memory, driver]\Convenient folding mirrors							1.Not active 2.Active	
			Car Key Memory\TCU [Telematic Control unit]\Speed raising volume stage(GAL)							1.30 KM/H 2.40 KM/H 3.48 KM/H 4.56 KM/H	
			Car Key Memory\TCU [Telematic Control unit]\Wake up by e-call							1.Not active 2.Active	
			Car Key Memory\ULF [Universal charging and hands-free facility]\Mobile phone model							1.Nokia 3110 2.Simens s10 3.Identifying model	

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			Car Key Memory\ULF [Universal charging and hands-free facility]\Voice recognition							1.Not active 2.German	
			Car Key Memory\ULF [Universal charging and hands-free facility]\Speed raising volume stage							1.1 KM/H 2.30 KM/H 3.40 KM/H 4.48 KM/H 5.56KM/H 6.63 KM/H	
			Car Key Memory\ZKE [Central Body Electronic] \Burglar alarm system\Compartment sensor,front passenger							1.Not active 2.Active	
			Car Key Memory\ZKE [Central Body Electronic] \Burglar alarm system\Passenger compartment sensor back(touring)							1.Not active 2.Active	
			Car Key Memory\ZKE [Central Body Electronic] \Burglar alarm system\Tilt sensor							1.Not active 2.Active	
			Car Key Memory\ZKE [Central Body Electronic]\Burglar alarm system\Activating and deactivating dwa							1.Rc only 2.Key and rc	
			Car Key Memory\ZKE [Central Body Electronic]\Burglar alarm system\Disarm visually							1.Not active 2.Active	

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions								
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others	
3 Series			Car Key Memory\ZKE [Central Body Electronic]\Burglar alarm system\Disarm acoustically							1.Not active 2.Active		
			Car Key Memory\ZKE [Central Body Electronic]\Burglar alarm system\Arm visually							1.Not active 2.Active		
			Car Key Memory\ZKE [Central Body Electronic]\Burglar alarm system\Arm acoustically								1.Not active 2.Active	
			Car Key Memory\ZKE [Central Body Electronic]\Burglar alarm system\Arm visually doors/lids closed								1.Not active 2.Active	
			Car Key Memory\ZKE [Central Body Electronic]\Burglar alarm system\Arm acoustically doors/lids closed								1.Not active 2.Active	
			Car Key Memory\ZKE [Central Body Electronic]\Burglar alarm system\Acknowledgement without dwa								1.Not active 2.Active	
			Car Key Memory\ZKE [Central Body Electronic]\Central locking\Rc interior light								1.Not active 2.Active	
			Car Key Memory\ZKE [Central Body Electronic]\Central locking\Rc panic mode								1.Not active 2.Active	

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			Car Key Memory\ZKE [Central Body Electronic]\Central locking\Release rear window from inside							1.Not active 2.Active	
			Car Key Memory\ZKE [Central Body Electronic]\Central locking\"open luggage compartment via Remote control"							1.Not active 2.Active	
			Car Key Memory\ZKE [Central Body Electronic]\Central locking\Relock 2 minutes after unlocking							1.Not active 2.Active	
			Car Key Memory\ZKE [Central Body Electronic]\Central locking\Centre lock button when locked							1.Not active 2.Active	
			Car Key Memory\ZKE [Central Body Electronic]\Central locking\Automatic locking\Car							1.Not active 2.Active	
			Car Key Memory\ZKE [Central Body Electronic]\Central locking\Automatic locking\Key 1							1.Not active 2.Active	
			Car Key Memory\ZKE [Central Body Electronic]\Central locking\Automatic locking\Key 2							1.Not active 2.Active	
			Car Key Memory\ZKE [Central Body Electronic]\Central locking\Automatic locking\Key 3							1.Not active 2.Active	
			Car Key Memory\ZKE [Central Body Electronic]\Central locking\Automatic locking\Key 4							1.Not active 2.Active	

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			Car Key Memory\ZKE [Central Body Electronic]\Central locking>Selective central locking\Car							1.Not active 2.Active	
			Car Key Memory\ZKE [Central Body Electronic]\Central locking>Selective central locking\Key 1							1.Not active 2.Active	
			Car Key Memory\ZKE [Central Body Electronic]\Central locking>Selective central locking\Key 2							1.Not active 2.Active	
			Car Key Memory\ZKE [Central Body Electronic]\Central locking>Selective central locking\Key 3							1.Not active 2.Active	
			Car Key Memory\ZKE [Central Body Electronic]\Central locking>Selective central locking\Key 4							1.Not active 2.Active	
			Car Key Memory\ZKE [Central Body Electronic]\Central locking\Convenient access\Car							1.Not active 2.Active	
			Car Key Memory\ZKE [Central Body Electronic]\Central locking\Convenient access\Key 1							1.Not active 2.Active	
			Car Key Memory\ZKE [Central Body Electronic]\Central locking\Convenient access\Key 2							1.Not active 2.Active	

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			Car Key Memory\ZKE [Central Body Electronic]\Central locking\Convenient access\Key 3							1.Not active 2.Active	
			Car Key Memory\ZKE [Central Body Electronic]\Central locking\Convenient access\Key 4							1.Not active 2.Active	
			Car Key Memory\ZKE [Central Body Electronic]\Central locking\Unlock remote\Key 1							1.Not active 2.Active	
			Car Key Memory\ZKE [Central Body Electronic]\Central locking\Unlock remote\Key 2							1.Not active 2.Active	
			Car Key Memory\ZKE [Central Body Electronic]\Central locking\Unlock remote\Key 3							1.Not active 2.Active	
			Car Key Memory\ZKE [Central Body Electronic]\Central locking\Unlock remote\Key 4							1.Not active 2.Active	
			Car Key Memory\ZKE [Central Body Electronic]\Window regulators/slide/tilt sunroof\One touch open,driver's window							1.Not active 2.Active	
			Car Key Memory\ZKE [Central Body Electronic]\Window regulators/slide/tilt sunroof\One touch close,driver's window							1.Not active 2.Active	

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			Car Key Memory\ZKE [Central Body Electronic]\Window regulators/slide/tilt sunroof\One touch open,passenger's window							1.Not active 2.Active	
			Car Key Memory\ZKE [Central Body Electronic]\Window regulators/slide/tilt sunroof\One touch close,passenger's window							1.Not active 2.Active	
			Car Key Memory\ZKE [Central Body Electronic]\Window regulators/slide/tilt sunroof\One touch open,rear windows							1.Not active 2.Active	
			Car Key Memory\ZKE [Central Body Electronic]\Window regulators/slide/tilt sunroof\One touch close,rear windows							1.Not active 2.Active	
			Car Key Memory\ZKE [Central Body Electronic]\Window regulators/slide/tilt sunroof\One touch open sunroof							1.Not active 2.Active	
			Car Key Memory\ZKE [Central Body Electronic]\Window regulators/slide/tilt sunroof\One touch close sunroof							1.Not active 2.Active	
			Car Key Memory\ZKE [Central Body Electronic]\Window regulators/slide/tilt sunroof\Convenient closing rc							1.Not active 2.Active	



## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			Car Key Memory\ZKE [Central Body Electronic]\Window regulators/slide/tilt sunroof\Convenient opening rc							1.Not active 2.Active	
			Car Key Memory\ZKE [Central Body Electronic]\Window regulators/slide/tilt sunroof\Lower power window after trapping							1.Long 2.Short	
			Car Key Memory\ZKE [Central Body Electronic]\Window regulators/slide/tilt sunroof\Open power window after door open							1.Not active 2.Active	
			Car Key Memory\ZKE [Central Body Electronic]\Interior lighting\On during unlock							1.Not active 2.Active	
			Car Key Memory\ZKE [Central Body Electronic]\Interior lighting\"on at terminal R off light Previously on"							1.Not active 2.Active	
			Car Key Memory\ZKE [Central Body Electronic]\Interior lighting\Soft on/off							1.Not active 2.Active	
			Car Key Memory\ZKE [Central Body Electronic]\Windscreen wipers\Rain sensor							1.Not active 2.Active	
			Car Key Memory\ZKE [Central Body Electronic]\Windscreen wipers\Switch down when stationary							1.Not active 2.Active	

## BMW V46.10 Diagnostics List (Note:For reference only)

BMW V46.10 Diagnostics List <small>(Note:For reference only)</small>											
Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			Car Key Memory\ZKE [Central Body Electronic]\Windscreen wipers\Wipe interval when astaionary							1.3 second 2.5 second	
			Service functions							1. Key Test 2. Display status of all keys 3. Disable/Enable key	
			CAS Car Access System	√	√	√	√	√	√	1.Personalisation key number 2.Disable_enable key 3.Reset internal ELV fault counter	

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			DDE Diesel Electronics	√	√	√	√	√	√	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	

## BMW V46.10 Diagnostics List (Note: For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
		Driver	DME Digital Motor Electronics	√	√	√	√	√	√	1.DME-CAS adjustment 2.CO adjustment 3.Clear adaptations 4.Delete adaptations/variants 5.Idle speed adjustment 6.Consumption indicator adjustment 7.Learning Valvetronic limit positions 8.Venting, cooling system 9.Register battery change 10.Remove Valvetronic servomotor 11.OBD readiness codes 12.Regeneration, particulate filter 13.Exhaust VANOS test 14. Valvetronic adaptation limit positions	

## BMW V46.10 Diagnostics List (Note: For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			EGS Transmission control	√	√	√	√	√	√	1.Reset adaptation values 2.Reset learning functions 3.Mechatronics adjustment 4.Oil-level adjustment 5.Oil lifetime 6.Teach in transmission 7.Teach in clutch slip 8.Reset clutch characteristic 9.Teach in valve characteristic curve 10.Parking lock, hook test 11.Parking lock, function test	
			GWS Gear selector switch	√	√	√	√	√			
			EKPS Fuel-pump control	√	√	√	√	√	√		
			VTC Valvetronic	√	√	√	√	√			
			VTC2 Valvetronic 2	√	√	√	√	√			
			VTG Transfer case	√	√	√	√	√	√	Oil change	
			AL Active steering	√	√	√	√	√		1.Startup/adjustment, active front steering	
			ARS Dynamic Drive	√	√	√	√	√		Start startup Sensor values	

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
		Chassis	DSC Dynamic Stability Control	√	√	√	√	√	√	1.Bleeding DSC Hydraulics 2.Mix Up Check BrakeLines 3.Run flat indicator initialisation 4.Longitudinal acceleration sensor matching 5.DSC sensors check	
			EDCSHL Damper satellite, rear left	√	√	√	√	√		Vertical ACC. Sensor adjustment	
			EDCSHR Damper satellite, rear right	√	√	√	√	√		Vertical ACC. Sensor adjustment	
			EDCSVL Damper satellite, front left	√	√	√	√	√		Vertical ACC. Sensor adjustment	
			EDCSVR Damper satellite, front right	√	√	√	√	√		Vertical ACC. Sensor adjustment	
			EHC Electronic Ride-Height Control	√	√	√	√	√		1.Check Ride Level Sensors 2.Delete Energy Saving Mode 3.Check Air Supply System 4.Check Compressor Relay 5.Check Raise/lower Function	
			EMF Parking brake	√	√	√	√	√		1.Workshop braking-in 2.Assembly mode 3.Positioning-travel check	
			LDM Longitudinal Dynamics Management								
			RDC Tyre pressure control	√	√	√	√	√			

## BMW V46.10 Diagnostics List (Note: For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			VDM Vertical Dynamics Management	√	√	√	√	√			
			ACSM Crash Safety Module	√	√	√	√	√			
			AHM Trailer module	√	√	√	√	√			
			AMPH Hi-Fi amplifier	√	√	√	√	√			
			AMPT Top Hi-Fi amplifier	√	√	√	√	√			
			CA Comfort Access	√	√	√	√	√			
			CCC-A Applications	√	√	√	√	√			
			CCC-ANT Aerial tuner	√	√	√	√	√		Test AM/FM	
			CCC-ASK Audio system controller	√	√	√	√	√			
			CCC-BO User interface	√	√	√	√	√			
			CCC-GW Gateway	√	√	√	√	√		Set tuner to New Zealand coding Heat unit malfunction Reset hip module	
			CDC CD Changer	√	√	√	√	√			
			CHAMP-BO User interface	√	√	√	√	√			
			CHAMP-GW Gateway	√	√	√	√	√			
			CID Central Information Display	√	√	√	√	√		General fault info	
			CNAV Navigation system, China	√	√	√	√	√			
			CON Controller	√	√	√	√	√			
			DAB Digital tuner	√	√	√	√	√			
			DVD-C DVD Changer	√	√	√	√	√			
			FD Rear-compartment display	√	√	√	√	√			
			FKA Rear heater/air conditioning	√	√	√	√	√		Drain/fill refrigerant circuit	
			FLA High Beam Assist	√	√	√	√	√			
			FRM2 Footwell module 2	√	√	√	√	√		Start windows initialising Rear windows, initialising Rear windows, test	

## BMW V46.10 Diagnostics List (Note: For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
		Body	FZD Function centre, roof	√	√	√	√	√		1.Initialize rain sensor 2.Sunroof initialisation	
			HKL Rear-lid lift	√	√	√	√	√			
			HUD Head-Up Display	√	√	√	√	√			
			IBOC Digital tuner US	√	√	√	√	√			
			IHKA Integrated automatic heating/air conditioning	√	√	√	√	√		1.Flap motors 2.Coolant compressor	
			INSTR Instrument cluster	√	√	√	√	√	√		
			JBE2 Junction Box electronics 2	√	√	√	√	√		Start windows initialising	
			JNAV Navigation system, Japan	√	√	√	√	√		Initialisation	
			KHM Headphones module	√	√	√	√	√			
			KNAV Navigation system, Korea	√	√	√	√	√		Initialisation	
			M-ASK-BO User interface	√	√	√	√	√			
			M-ASK-GW Gateway	√	√	√	√	√			
			PDC Park Distance Control	√	√	√	√	√			
			RFK Reversing camera	√	√	√	√	√			
			RLSS Rain/light solar sensor	√	√	√	√	√		1.Initialize rain sensor	
			RSE Rear Seat Entertainment	√	√	√	√	√			
			SDARS satellite tuner	√	√	√	√	√			
			SINE Siren with tilt sensor	√	√	√	√	√			
			SMBF Seat module, passenger	√	√	√	√	√			
			SMFA Seat module, driver	√	√	√	√	√		Normalisation of seat adjustment	
			TCU Telematic Control unit	√	√	√	√	√			
			ULF-SBX Interface box	√	√	√	√	√			
			ULF-SBX-H Interface box High	√	√	√	√	√			
			VM Video Module	√	√	√	√	√			
			VSW video switch	√	√	√	√	√			
		Short test		√	√	√					



## BMW V46.10 Diagnostics List (Note: For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			CCC_ANT.C04							1.Recoding	
			CCC_ANT.C05							1.Recoding	
			CCC_ANT.C06							1.Recoding	
			CCC_ANT.C07							1.Recoding	
			CCC_ANT.C08							1.Recoding	
			CCC_ANT.C09							1.Recoding	
			CCC_ASK.C04							1.Recoding	
			CCC_ASK.C05							1.Recoding	
			CCC_ASK.C06							1.Recoding	
			CCC_ASK.C07							1.Recoding	
			CCC_GW.C02							1.Recoding	
			CCC_GW.C03							1.Recoding	
			CCC_GW.C04							1.Recoding	
			CCC_GW.C05							1.Recoding	
			DWA_IRS.C05							1.Recoding	
			DWASINE.C02							1.Recoding	
			DWASINE.C03							1.Recoding	
			JBBFEII. C06							1.Recoding	
			JBBFEII. C07							1.Recoding	
			JBBFEII. C09							1.Recoding	
			JBBFEII. C0A							1.Recoding	
			RAD2. C04							1.Recoding	
			RAD2. C50							1.Recoding	
			RAD2. C51							1.Recoding	
			RAD22. C20							1.Recoding	
			RAD22. C31							1.Recoding	
			RAD22. C32							1.Recoding	
			RAD22. C33							1.Recoding	
			RAD22. C34							1.Recoding	

## BMW V46.10 Diagnostics List (Note: For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			MRS5CD. C01							1.Recoding	
			MRS5CD. C20							1.Recoding	
			MRS5CD. C21							1.Recoding	
			MRS5CD. C22							1.Recoding	
			DSC8_RPA. C06							1.Recoding	
			DSC8_RPA. C09							1.Recoding	
			DSC8_RPA. C10							1.Recoding	
			DSC8_RPA. C0B							1.Recoding	
			DSC8_RPA. C0D							1.Recoding	
			DSC8_RPA. C0E							1.Recoding	
			DSC8_RPA. C0F							1.Recoding	
			CAS2. C05							1.Recoding	
			CAS2. C06							1.Recoding	
			CAS2. C08							1.Recoding	
			CAS2. C09							1.Recoding	
			MK60_87. C09							1.Recoding	
			DWASINE. C05							1.Recoding	
			GKE11K. C08							1.Recoding	
			EKPM60_3. C11							1.Recoding	
			EKPM60_3. C12							1.Recoding	
			EKPM60_3. C13							1.Recoding	
			EPS_PL2. C02							1.Recoding	
			EPS_PL2. C03							1.Recoding	
			CFAS_PLX. C10							1.Recoding	
			CFAS_PLX. C11							1.Recoding	
			CFAS_PLX. C13							1.Recoding	
			CFAS_PLX. C15							1.Recoding	
			CFAS_PLX. C20							1.Recoding	
			IHXXPL2. C02							1.Recoding	

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu			Functions							
Series	Chassis	Module	Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
		MASK_E60. C06							1.Recoding	
		MASK_E60. C07							1.Recoding	
		MASK_E60. C08							1.Recoding	
		MASK_E60. C09							1.Recoding	
		MASK_E60. C0A							1.Recoding	
		MASK_E60. C0B							1.Recoding	
		MASK_E60. C0C							1.Recoding	
		MASK_E60. C0D							1.Recoding	
		MASK_E60. C0E							1.Recoding	
		MASK_E60. C0F							1.Recoding	
		ULF2MOST. C12							1.Recoding	
		FRM2_E89. C08							1.Recoding	
		FRM2_E89. C09							1.Recoding	
		FRM3_E89. C31							1.Recoding	
		RLS_PL2. C07							1.Recoding	
		RLS_PL2. C08							1.Recoding	
		VGSG90. C03							1.Recoding	
		VGSG90. C04							1.Recoding	
		VGSG90. C05							1.Recoding	
		MRS5. C05							1.Recoding	
		MRS5. C06							1.Recoding	
		MRS5. C07							1.Recoding	
		MRS5. C08							1.Recoding	
		VGSG90. C06							1.Recoding	
		Car Key Memory\CAS[Car Access System]\Easy entry\Easy entry KEY::01							1.Not active 2.Active	

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			Car Key Memory\CAS[Car Access System]\Easy entry\Easy entry KEY::02							1.Not active 2.Active	
			Car Key Memory\CAS[Car Access System]\Easy entry\Easy entry KEY::03							1.Not active 2.Active	
			Car Key Memory\CAS[Car Access System]\Easy entry\Easy entry KEY::04							1.Not active 2.Active	
			Car Key Memory\CAS[Car Access System]\Convenience opening/closing\Convenience opening,remote control All keys							1.Not active 2.Active	
			Car Key Memory\CAS[Car Access System]\Convenience opening/closing\Convenience closing,remote control All keys							1.Not active 2.Active	
			Car Key Memory\CAS[Car Access System]\Convenience opening/closing\Comfort opening override ALL KEYS							1.Not active 2.Active	
			Car Key Memory\CAS[Car Access System]\Convenience opening/closing\Comfort closing override ALL KEYS							1.Not active 2.Active	

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			Car Key Memory\CAS[Car Access System]\Drive away locking\Locking threshold ALL KEYS							1.2 KM/H 2.4 KM/H 3.8 KM/H 4.16 KM/H 5.32 KM/H	
			Car Key Memory\CAS[Car Access System]\Drive away locking\Automatic locking when driving KEY:01							1.Not active 2.Active	
			Car Key Memory\CAS[Car Access System]\Drive away locking\Automatic locking when driving KEY:02							1.Not active 2.Active	
			Car Key Memory\CAS[Car Access System]\Drive away locking\Automatic locking when driving KEY:03							1.Not active 2.Active	
			Car Key Memory\CAS[Car Access System]\Drive away locking\Automatic locking when driving KEY:04							1.Not active 2.Active	
			Car Key Memory\CAS[Car Access System]\Selective central locking>Selective central locking Door lock							1.Not active 2.Active	
			Car Key Memory\CAS[Car Access System]\Selective central locking>Selective central locking Door lock 01							1.Not active 2.Active	

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
		Coding / Program	Car Key Memory\CAS[Car Access System]\Selective central locking\Selective central locking Door lock 02							1.Not active 2.Active	
			Car Key Memory\CAS[Car Access System]\Selective central locking\Selective central locking Door lock 03							1.Not active 2.Active	
			Car Key Memory\CAS[Car Access System]\Selective central locking\Selective central locking Door lock 04							1.Not active 2.Active	
			Car Key Memory\CAS[Car Access System]\Luggage compartment lid release\Luggage compartment lid open ALL KEYS							1.Not active 2.Active	
			Car Key Memory\CAS[Car Access System]\Luggage compartment lid release\Luggage compartment lid open ALL KEYS							1.always 2.If double unlocked	
			Car Key Memory\CAS[Car Access System]\Rear-window unlocking\Rear-window unlocking KEY:01							1.Not active 2.Active	
			Car Key Memory\CAS[Car Access System]\Rear-window unlocking\Rear-window unlocking KEY:02							1.Not active 2.Active	

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			Car Key Memory\CAS[Car Access System]\Rear-window unlocking\Rear-window unlocking KEY:03							1.Not active 2.Active	
			Car Key Memory\CAS[Car Access System]\Rear-window unlocking\Rear-window unlocking KEY:04							1.Not active 2.Active	
			Car Key Memory\CAS[Car Access System]\Locking after unlocking without opening\Locking after unlocking without opening KEY:01							1.Not active 2.Active	
			Car Key Memory\CAS[Car Access System]\Locking after unlocking without opening\Locking after unlocking without opening KEY:02							1.Not active 2.Active	
			Car Key Memory\CAS[Car Access System]\Locking after unlocking without opening\Locking after unlocking without opening KEY:03							1.Not active 2.Active	
			Car Key Memory\CAS[Car Access System]\Locking after unlocking without opening\Locking after unlocking without opening KEY:04							1.Not active 2.Active	
			Car Key Memory\CAS[Car Access System]\Alarm options\Activation and deactivation ALL KEYS							1.Remote control or door lock 2.Deactivation only via radio remote control	

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			Car Key Memory\CAS[Car Access System]\Alarm options\Panic alarm ALL KEYS							1.Not active 2.Active	
			Car Key Memory\DWA[Burglar-alarm system]\Tilt sensor ALL KEYS							1.Not active 2.Active	
			Car Key Memory\DWA[Burglar-alarm system]\Interior sensor All KEYS							1.Not active 2.Active	
			Car Key Memory\DWA[Burglar-alarm system]\Visual acknowledgement during activation ALL KEYS							1.Not active 2.Active	
			Car Key Memory\DWA[Burglar-alarm system]\Arm visually doors/lids closed ALL KEYS							1.Not active 2.Active	
			Car Key Memory\DWA[Burglar-alarm system]\Visual deactivation ALL KEYS							1.Not active 2.Active	
			Car Key Memory\DWA[Burglar-alarm system]\Activation acknowledgement during activation ALL KEYS							1.Not active 2.Active	
			Car Key Memory\DWA[Burglar-alarm system]\Arm acoustically doors/lids closed ALL KEYS							1.Not active 2.Active	
			Car Key Memory\DWA[Burglar-alarm system]\Acoustic acknowledgement during deactivation ALL KEYS							1.Not active 2.Active	



## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			Car Key Memory\FRM[Footwell module]\Home lights,time period All KEYS							1.Not active 2.40s 3.90s 4.150s 5.240s	
			Car Key Memory\FRM[Footwell module]\Visual unlocking,without anti-theft alarm system All KEYS							1.Not active 2.Active	
			Car Key Memory\FRM[Footwell module]\Visual locking,without anti-theft alarm system All KEYS							1.Not active 2.Active	
			Car Key Memory\FRM[Footwell module]\One-touch function,turn indicator All KEYS							1.1x flashing 2.3x flashing	
			Car Key Memory\FRM[Footwell module]\Daytime driving lights ECE All KEYS							1.Not active 2.Active	
			Car Key Memory\FRM[Footwell module]\Daytime running lights US All KEYS							1.Not active 2.Active	
			Car Key Memory\RLS[Rain/light Sensors]\Automatic driving lights control(set of threshold values) All KEYS							1.Normal 2.Sensitive 3.Very sensitive	
			Car Key Memory\SMFA[Seat Module, drivers]\Seat/mirror adjustment CAR							1.Not active 2.After unlocking with remote control 3.After unlocking and door opening	

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			Car Key Memory\SMFA[Seat Module, drivers]\Seat/mirror adjustment Driver's door lock							1.Not active 2.After unlocking 3.After unlocking and door opening	
			Car Key Memory\SMFA[Seat Module, drivers]\Seat/mirror adjustment Passengers's door lock							1.Not active 2.After unlocking 3.After unlocking and door opening	
			Car Key Memory\SMFA[Seat Module, drivers]\Seat/mirror adjustment KEY:01							1.Not active 2.After unlocking with remote control 3.After unlocking and door opening	
			Car Key Memory\SMFA[Seat Module, drivers]\Seat/mirror adjustment KEY:02							1.Not active 2.After unlocking with remote control 3.After unlocking and door opening	
			Car Key Memory\SMFA[Seat Module, drivers]\Seat/mirror adjustment KEY:03							1.Not active 2.After unlocking with remote control 3.After unlocking and door opening	
			Car Key Memory\SMFA[Seat Module, drivers]\Seat/mirror adjustment KEY:04							1.Not active 2.After unlocking with remote control 3.After unlocking and door opening	

## BMW V46.10 Diagnostics List (Note: For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			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 9.Vehicle inspection 10.Exhaust emission inspection	
			Maintenance							1.Delete transport mode	
			Service functions							1.Adjustment, Steering-angle sensor	
			CAS Car Access System	√	√	√	√	√			

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
		Driver	DME/DDE Digital motor/Diesel electronics	√	√	√	√	√		1.Battery management 2.Fuel injector test 3.Fuel injector adaptation 4.Swirl flap 5.Rail pressure regulating valve 6.Fuel pump 7.Mean quantity 8.EGR matching 9.Smooth running control 10.Valvetronic adaptation limit positions 11.Throttle valve actuator 12.Accelerator pedal module	
			DME2 Digital Motor Electronics 2	√	√	√	√	√			
			EKPS Electronic Fuel pump	√	√	√	√	√			
			EGS/SMG Transmission management	√	√	√	√	√			
			GWS Gear selector switch	√	√	√	√	√			
		Chassis	ICM Integrated chassis management	√	√	√	√	√			
			RDC Tyre pressure control	√	√	√	√	√			
			DSC Dynamic Stability Control	√	√	√	√	√			Brake bleeding procedure
			EMF Parking brake	√	√	√	√	√			EMF workshop mode
			EPS Electronic Power Steering	√	√	√	√	√			
			EHC Electronic Ride-Height Control	√	√	√	√	√			
			VDM Vertical Dynamics Management	√	√	√	√	√			

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			JBE Junction-box electronics	√	√	√	√	√		1.Power window initialisations 2.Rain sensor initialisation	
			ACSM Crash Safety Module	√	√	√	√	√			
			SZL Switch center steering column	√	√	√	√	√		Steering wheel angle sensor adjustment	
			TR SVC All round view camera	√	√	√	√	√			
			SWW Lane change warning	√	√	√	√	√			
			ZGM Central Gateway Module	√	√	√	√	√			
			EMALI Left electric motor reel	√	√	√	√	√			
			EMARE Right electric motor reel	√	√	√	√	√			
			FZD Function centre, roof	√	√	√	√	√		Sunroof initialisation	
			KAFAS Camera based driver assist systems	√	√	√	√	√			
			FLA High Beam Assist	√	√	√	√	√			
			INSTR Instrument cluster	√	√	√	√	√			
			CIC/CHAMP Car headunit platform	√	√	√	√	√			
			PDC Park Distance Control	√	√	√	√	√			
			CON Controller	√	√	√	√	√			
		Body	SMFAH Seat module, driver's side rear	√	√	√	√	√		Normalisation of seat	
			SMBFH Seat module, passenger's side rear	√	√	√	√	√		Normalisation of seat	
			SMFA Seat module, driver	√	√	√	√	√			
			SMBF Seat module, passenger	√	√	√	√	√		Normalisation of seat	
			AHM Trailer module	√	√	√	√	√			
			FRM Footwell Module	√	√	√	√	√		Power window initialisations	
			CID Central Information Display	√	√	√	√	√			

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			FD Rear compartment display	√	√	√	√	√			
			IHKA Integrated automatic heating/air conditioning	√	√	√	√	√			
			FKA Rear-cabin automatic A/C	√	√	√	√	√			
			HKA Rear-cabin automatic A/C	√	√	√	√	√			
			AMP Amplifier	√	√	√	√	√			
			PMA Parking assistant	√	√	√	√	√			
			CBX-ECALL ComBox emergency call	√	√	√	√	√			
			VDC	√	√	√	√	√			
		Short test		√	√	√					
		Coding / Program	Maintenance \ CBS Reset \ Software reset							1.Engine Oil 2.Front barke 3.Rear brake 4.Vehicle check 5.Brake fluid 6.Vehicle inspection 7.Exhaust emission inspection	

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions								
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others	
E28	Driver	DME Digital Motor Electronics		√	√	√	√	√		1.Clear Adaptations 2.DME/DDE-EWS adjustment 3.CO adjustment 4.Smooth running measurement 5.Tank Leakage System Check 6.Secondary Air System Check 7.Status Diagnosis Functions 8.OBD Readiness Display 9.Idle speed adjustment 10.Program All Adjustments 11.Operation On Roller Dvnamometer		
		EGS Transmission control		√	√	√	√	√				
		EWS (Elec. immobilize system)		√	√	√	√	√				
		Chassis	ABS Antilock brake		√	√	√	√	√		1.BLEEDING THE ABS/ASC HYDRAULIC SYSTEM 2.RESET ABS MOTOR RELAY CLOCK COUNTER	
			EHC/EDC (Signal-axle air suspension)		√	√	√	√	√			
			ADS Throttle-Valve Control		√	√	√	√	√			
	AHK (Active-Axle Kinematics)			√	√	√	√	√				
	CVM Convertible-top module			√	√	√	√	√				
	DWA Antitheft alarm system			√	√	√	√	√				

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions								
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others	
		Body	EKM (Electronic Body Module)	√	√	√	√	√				
			EML (Elec. throttle)	√	√	√	√	√				
			FHK (Rear Heater A/C System)	√	√	√	√	√				
			GR (Cruise control)	√	√	√	√	√				
			GSA (Closed-Loop-Controlled Differential-Lock AWD)	√	√	√	√	√				
			IHKA/IHKR (AC/heater)	√	√	√	√	√				
			IKE/IKI/KOMBI	√	√	√	√	√				
			LSZ/LCM (Light switching center)	√	√	√	√	√				
			MID (Multi Information Display)	√	√	√	√	√				
			PDC Park Distance Control	√	√	√	√	√				
			RAD (Radio)	√	√	√	√	√				
			SHD Sliding/tilting sunroof	√	√	√	√	√				
			SPM/SM	√	√	√	√	√				
			SRS (Air bag)	√	√	√	√	√				
			URS (Rollover sensor)	√	√	√	√	√				
			VMX (Top-speed Regulation)	√	√	√	√	√				
			VNC (Variable Camshaft Control)	√	√	√	√	√				
			XEN (XENON LIGHTS)	√	√	√	√	√				
			ZKE (Central body electronic)	√	√	√	√	√				
		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 V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
		Driver	DME Digital Motor Electronics	√	√	√	√	√		1.Clear Adaptations 2.DME/DDE-EWS adjustment 3.CO adjustment 4.Smooth running measurement 5.Tank Leakage System Check 6.Secondary Air System Check 7.Status Diagnosis Functions 8.OBD Readiness Display 9.Idle speed adjustment 10.Program All Adjustments 11.Operation On Roller Dynamometer or 1.Idle speed 2.Exhaust-gas recirculation 3.Start basic injection quantity 4.Limitation delivery 5.Injection rate 6.Consumption calculation 7.Injector rate adjustment	
			EGS Transmission control	√	√	√	√	√			
			EWS (Elec. immobilize system)	√	√	√	√	√			

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
	E34	Chassis	ABS Antilock brake	√	√	√	√	√		1.BLEEDING THE ABS/ASC HYDRAULIC SYSTEM 2.RESET ABS MOTOR RELAY CLOCK COUNTER	
			EHC/EDC (Signal-axle air suspension)	√	√	√	√	√			
	Body	ADS Throttle-Valve Control	√	√	√	√	√				
		AHK (Active-Axle Kinematics)	√	√	√	√	√				
		CVM Convertible-top module	√	√	√	√	√				
		DWA Antitheft alarm system	√	√	√	√	√				
		EKM (Electronic Body Module)	√	√	√	√	√				
		EML (Elec. throttle)	√	√	√	√	√				
		FHK (Rear Heater A/C System)	√	√	√	√	√				
		GR (Cruise control)	√	√	√	√	√				
		GSA (Closed-Loop-Controlled Differential-Lock AWD)	√	√	√	√	√				
		IHKA/IHKR (AC/heater)	√	√	√	√	√				
		IKE/IKI/KOMBI	√	√	√	√	√				
		LSZ/LCM (Light switching center)	√	√	√	√	√				
		MID (Multi Information Display)	√	√	√	√	√				
		PDC Park Distance Control	√	√	√	√	√				
		RAD (Radio)	√	√	√	√	√				
		SHD Sliding/tilting sunroof	√	√	√	√	√				
		SPM/SM	√	√	√	√	√				
		SRS (Air bag)	√	√	√	√	√				
		URS (Rollover sensor)	√	√	√	√	√				
VMX (Top-speed Regulation)	√	√	√	√	√						
VNC (Variable Camshaft Control)	√	√	√	√	√						
XEN (XENON LIGHTS)	√	√	√	√	√						

## BMW V46.10 Diagnostics List (Note:For reference only)

BMW V46.10 Diagnostics List <small>(Note:For reference only)</small>											
Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			ZKE (Central body electronic)	√	√	√	√	√			
		Short test		√	√	√					
		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 V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
		Driver	DME Digital Motor Electronics	√	√	√	√	√		1.Clear Adaptations 2.DME/DDE-EWS adjustment 3.CO adjustment 4.Smooth running measurement 5.Tank Leakage System Check 6.Secondary Air System Check 7.Status Diagnosis Functions 8.OBD Readiness Display 9.Idle speed adjustment 10.Program All Adjustments 11.Operation On Roller Dynamometer or 1.Idle speed 2.Exhaust-gas recirculation 3.Start basic injection quantity 4.Limitation delivery 5.Injection rate 6.Consumption calculation 7.Injector rate adjustment	
			EGS Transmission control	√	√	√	√	√			
			EWS (Elec. immobilize system)	√	√	√	√	√			

## BMW V46.10 Diagnostics List (Note: For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
		Chassis	ABS Antilock brake	√	√	√	√	√		1.TEST PROCEDURES 2.BLEEDING THE ABS/ASC HYDRAULIC SYSTEM 3.RESET ABS MOTOR RELAY CLOCK COUNTER	
			EHC/EDC (Signal-axle air suspension)	√	√	√	√	√			
			LEW (Steering-angle sensor)	√	√	√	√	√			
			MFL (Multi-function steering wheel)	√	√	√	√	√			
		Body	AIC (Automatic Interval Control)	√	√	√	√	√			
			BM (On-board monitor)	√	√	√	√	√			
			GR (Cruise control)	√	√	√	√	√			
			IHKA/IHKR (AC/heater)	√	√	√	√	√			
			IKE/IKI/KOMBI	√	√	√	√	√		1.Reset service interval indicator	
			LSZ/LCM (Light switching center)	√	√	√	√	√			
			MID (Multi Information Display)	√	√	√	√	√			
			NAV Navigation system	√	√	√	√	√			
			PDC Park Distance Control	√	√	√	√	√			
			RAD (Radio)	√	√	√	√	√			
			SES (Language-input system)	√	√	√	√	√			
			SHD Sliding/tilting sunroof	√	√	√	√	√			
			SPM/SM	√	√	√	√	√			
			SRS (Air bag)	√	√	√	√	√			
			SZM (Switching center, center console)	√	√	√	√	√			
			VID (Video Module)	√	√	√	√	√			
		DSP (Digital Sound Processor)	√	√	√	√	√				
		STH (Park heating)	√	√	√	√	√				

## BMW V46.10 Diagnostics List (Note: For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			ZKE (Central body electronic)	√	√	√	√	√			
		Short test		√	√	√					
			ABS with automatic stability control Code Index 06							1. Recoding	
			Dynamic stability control Code Index 06 Code Index 10							1. Recoding	
			Basic telephone interface Code Index 01							1. Recoding	
			Immobiliser Code Index 01 Code Index 02 Code Index 81							1. Recoding	
			Cruise control Code Index 04							1. Recoding	
			Cruise control Code Index 05							1. Recoding	
			Central Body Electronic Code Index 04 Code Index 05 Code Index 10							1. Recoding	
			GT Code Index 01 Code Index 02 Code Index 03 Code Index 04 Code Index 05 Code Index 06 Code Index 07							1. Recoding	

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			Heater and A/C control Code Index 01 Code Index 02 Code Index 03 Code Index 10							1. Recoding	
			Instrument cluster Code Index 05							1. Recoding	
			Instrument cluster Code Index 04 Code Index 05 Code Index 06 Code Index 07 Code Index 11 Code Index 12							1. Recoding	
			Lamp control module Code Index 14 Code Index 15 Code Index 16 Code Index 17 Code Index 18 Code Index 19 Code Index 20 Code Index 21 Code Index 22 Code Index 23 Code Index 24							1. Recoding	
			Airbag Code Index 04 Code Index 06 Code Index 07 Code Index 10							1. Recoding	

## BMW V46.10 Diagnostics List (Note: For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			Steering-angle sensor Code Index 01							1. Recoding	
			Park distance control Code Index 02 Code Index 03							1. Recoding	
			Radio Code Index 01 Code Index 02							1. Recoding	
			Rain/light sensor Code Index 02							1. Recoding	
			Telematic Control unit Code Index 02							1. Recoding	
			TV Code Index 02							1. Recoding	
			Universal charging and hands-free facility Code Index 01 Code Index 02 Code Index 03 Code Index 04 Code Index 05 Code Index 06							1. Recoding	
			Independent heating Code Index 01							1. Recoding	
			Car Key Memory\IHKA/ IHKR[A/C heater]\Automatic(IHKA)\Recirculated air memory							1.Active 2.Not active	
			Car Key Memory\IHKA/ IHKR[A/C heater]\Automatic(IHKA)\Temperature unit							1.°C 2.°F	



## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			Car Key Memory\IHKA/ IHKR[A/C heater]\Manual(IHKR)\Recirculated air memory							1.Active 2.Not active	
			Car Key Memory\IHKA/ IHKR[A/C heater]\Key selective							1.Active 2.Not active	
			Car Key Memory\KOM [Instrument cluster]\Language							1.German 2.English UK 3.English US 4.Italian 5.Spanish 6.Japanese 7.French 8.English (CDN) 9.Gulf states 10. ---	
			Car Key Memory\KOM [Instrument cluster]\Distance							1.KM 2.MLS	
			Car Key Memory\KOM [Instrument cluster]\Time							1.24H 2.12H	
			Car Key Memory\KOM [Instrument cluster]\Fuel consumption							1.1/100KM 2.MPG(UK) 3.MPG(US) 4.km/litre	
			Car Key Memory\KOM [Instrument cluster]\Temperature							1.°C 2.°F	
			Car Key Memory\KOM [Instrument cluster]\Outside temperature warning							1.Active 2.Not active	

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			Car Key Memory\KOM [Instrument cluster]\Ignition key							1.Active 2.Not active	
			Car Key Memory\KOM [Instrument cluster]\Washer fluid warning							1.Active 2.Not active	
			Car Key Memory\KOM [Instrument cluster]\Rear lid warning							1.Active 2.Not active	
			Car Key Memory\KOM [Instrument cluster]\Doors warning							1.Active 2.Not active	
			Car Key Memory\KOM [Instrument cluster]\Brake light warning							1.Active 2.Not active	
			Car Key Memory\KOM [Instrument cluster]\Rear sidelights warning							1.Active 2.Not active	
			Car Key Memory\KOM [Instrument cluster]\Dipped beam warning							1.Active 2.Not active	
			Car Key Memory\LSZ/LCM [Light switching center]\Key in ignition warning(if door is opened)							1.Active 2.Not active	
			Car Key Memory\LSZ/LCM [Light switching center]\Day time running lights							1.Active 2.Not active	
			Car Key Memory\LSZ/LCM [Light switching center]\Day time running lights(ECE)							1.Active 2.Not active	
			Car Key Memory\LSZ/LCM [Light switching center]\Day time running lights(US)							1.Active 2.Not active	

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
	E39		Car Key Memory\LSZ/LCM [Light switching center]\Home lights							1.Not active 2.40 Seconds 3.90 Seconds 4.150 Seconds 5.240 Seconds	
			Car Key Memory\LSZ/LCM [Light switching center]\Home lights with dipped beam							1.Active 2.Not active	
			Car Key Memory\LSZ/LCM [Light switching center]\Home lights with rear sidelights							1.Active 2.Not active	
			Car Key Memory\LSZ/LCM [Light switching center]\Home lights with front sidelights							1.Active 2.Not active	
			Car Key Memory\LSZ/LCM [Light switching center]\Home lights with instrument lights							1.Active 2.Not active	
			Car Key Memory\LSZ/LCM [Light switching center]\Home lights with license plate							1.Active 2.Not active	
			Car Key Memory\LSZ/LCM [Light switching center]\Home lights with front fog lights							1.Active 2.Not active	
			Car Key Memory\LSZ/LCM [Light switching center]\Home lights with main beam							1.Active 2.Not active	
			Car Key Memory\LSZ/LCM [Light switching center]\Home lights with brake lights							1.Active 2.Not active	

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions								
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others	
		Coding / Program	Car Key Memory\LSZ/LCM [Light switching center]\Key in ignition warning(if door is opened)							1.Active 2.Not active		
			Car Key Memory\PDC [Park Distance Control]\Switch on message(rear)								1.Active 2.Not active	
			Car Key Memory\RAD[Radio]\New generation radio key selective								1.Active 2.Not active	
			Car Key Memory\ZKE [Central Body Electronic] \Burglar alarm system\Compartment sensor,front passenger								1.Active 2.Not active	
			Car Key Memory\ZKE [Central Body Electronic] \Burglar alarm system\Passenger compartment sensor back(touring)								1.Active 2.Not active	
			Car Key Memory\ZKE [Central Body Electronic] \Burglar alarm system\Tilt sensor								1.Active 2.Not active	
			Car Key Memory\ZKE [Central Body Electronic] \Burglar alarm system\Activating and deactivating dwa								1.RC ONLY 2.KEY AND RC	
			Car Key Memory\ZKE [Central Body Electronic] \Burglar alarm system\Disarm visually								1.Active 2.Not active	
			Car Key Memory\ZKE [Central Body Electronic] \Burglar alarm system\Disarm acoustically								1.Active 2.Not active	

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			Car Key Memory\ZKE [Central Body Electronic] \Burglar alarm system\Arm visually							1.Active 2.Not active	
			Car Key Memory\ZKE [Central Body Electronic] \Burglar alarm system\Arm acoustically							1.Active 2.Not active	
			Car Key Memory\ZKE [Central Body Electronic] \Burglar alarm system\Arm acknowledgement when all doors/lids closed							1.Active 2.Not active	
			Car Key Memory\ZKE [Central Body Electronic] \Burglar alarm system\Acknowledgement without dwa							1.Active 2.Not active	
			Car Key Memory\ZKE [Central Body Electronic] \Central locking\Rc interior light							1.Active 2.Not active	
			Car Key Memory\ZKE [Central Body Electronic] \Central locking\Rc panic mode							1.Active 2.Not active	
			Car Key Memory\ZKE [Central Body Electronic] \Central locking\Open luggage compartment via remote control							1.Active 2.Not active	
			Car Key Memory\ZKE [Central Body Electronic] \Central locking\Relock 2 minimum after unlocking							1.Active 2.Not active	

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			Car Key Memory\ZKE [Central Body Electronic] \Central locking\Automatic locking							1.Active 2.Not active	
			Car Key Memory\ZKE [Central Body Electronic] \Central locking\Automatic locking(key 1)							1.Active 2.Not active	
			Car Key Memory\ZKE [Central Body Electronic] \Central locking\Automatic locking(key 2)							1.Active 2.Not active	
			Car Key Memory\ZKE [Central Body Electronic] \Central locking\Automatic locking(key 3)							1.Active 2.Not active	
			Car Key Memory\ZKE [Central Body Electronic] \Central locking\Automatic locking(key 4)							1.Active 2.Not active	
			Car Key Memory\ZKE [Central Body Electronic] \Central locking\Automatic locking speed							1.0 KM/H 2.4 KM/H 3.8 KM/H 4.12 KM/H 5.16 KM/H 6.20 KM/H 7.24 KM/H 8.28 KM/H	
			Car Key Memory\ZKE [Central Body Electronic] \Central locking\Automatic relocking							1.Active 2.Not active	
			Car Key Memory\ZKE [Central Body Electronic] \Central locking>Selective central locking							1.Active 2.Not active	

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			Car Key Memory\ZKE [Central Body Electronic] \Central locking>Selective central locking(key 1)							1.Active 2.Not active	
			Car Key Memory\ZKE [Central Body Electronic] \Central locking>Selective central locking(key 2)							1.Active 2.Not active	
			Car Key Memory\ZKE [Central Body Electronic] \Central locking>Selective central locking(key 3)							1.Active 2.Not active	
			Car Key Memory\ZKE [Central Body Electronic] \Central locking>Selective central locking(key 4)							1.Active 2.Not active	
			Car Key Memory\ZKE [Central Body Electronic] \Window regulators/slide /tilt sunroof\Window deactivation condition							1.Open door 2.Close door	
			Car Key Memory\ZKE [Central Body Electronic] \Window regulators/slide /tilt sunroof\One touch open,driver's window							1.Active 2.Not active	

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			Car Key Memory\ZKE [Central Body Electronic] \Window regulators/slide /tilt sunroof\One touch close,driver's window							1.Active 2.Not active	
			Car Key Memory\ZKE [Central Body Electronic] \Window regulators/slide /tilt sunroof\One touch open,passenger's window							1.Active 2.Not active	
			Car Key Memory\ZKE [Central Body Electronic] \Window regulators/slide /tilt sunroof\One touch close,passenger's window							1.Active 2.Not active	
			Car Key Memory\ZKE [Central Body Electronic] \Window regulators/slide /tilt sunroof\One touch open,rear windows							1.Active 2.Not active	
			Car Key Memory\ZKE [Central Body Electronic] \Window regulators/slide /tilt sunroof\One touch close,rear windows							1.Active 2.Not active	



## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			Car Key Memory\ZKE [Central Body Electronic] \Window regulators/slide /tilt sunroof\One touch open sunroof							1.Active 2.Not active	
			Car Key Memory\ZKE [Central Body Electronic] \Window regulators/slide /tilt sunroof\One touch close sunroof							1.Active 2.Not active	
			Car Key Memory\ZKE [Central Body Electronic] \Window regulators/slide /tilt sunroof\Convenient closing rc							1.Active 2.Not active	
			Car Key Memory\ZKE [Central Body Electronic] \Window regulators/slide /tilt sunroof\Convenient opening rc							1.Active 2.Not active	
			Car Key Memory\ZKE [Central Body Electronic] \Window regulators/slide /tilt sunroof\Lower power window after trapping							1.Long 2.Short	
			Car Key Memory\ZKE [Central Body Electronic] \Interior lighting\Soft on/off							1.Active 2.Not active	

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			Car Key Memory\ZKE [Central Body Electronic] \Windscreen wipers\Switch down when stationary							1.Active 2.Not active	
			Car Key Memory\ZKE [Central Body Electronic] \Windscreen wipers\Wipe interval when stationary							1.3 Seconds 2.5 Seconds	
			Service functions							1. Key Test 2. Display status of all keys 3. Disable/Enable key	
			CAS Car Access System	√	√	√	√	√	√	1.Personalisation key number 2.Disable_enable key 3.Reset internal ELV fault counter	

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			DDE Diesel Electronics	√	√	√	√	√	√	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	

## BMW V46.10 Diagnostics List (Note: For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
		Driver	DME Digital Motor Electronics	√	√	√	√	√	√	1.DME-CAS adjustment 2.CO adjustment 3.Clear adaptations 4.Delete adaptations/variants 5.Idle speed adjustment 6.Consumption indicator adjustment 7.Learning Valvetronic limit positions 8.Venting, cooling system 9.Register battery change 10.Remove Valvetronic servomotor 11.OBD readiness codes 12.Regeneration, particulate filter 13.Exhaust VANOS test 14. Valvetronic adaptation limit positions	

## BMW V46.10 Diagnostics List (Note: For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			EGS Transmission control	√	√	√	√	√	√	1.Reset adaptation values 2.Reset learning functions 3.Mechatronics adjustment 4.Oil-level adjustment 5.Oil lifetime 6.Teach in transmission 7.Teach in clutch slip 8.Reset clutch characteristic 9.Teach in valve characteristic curve 10.Parking lock, hook test 11.Parking lock, function test	
			EKPS Fuel-pump control	√	√	√	√	√	√		
			GWS Gear selector switch	√	√	√	√	√			
			SMG Sequential Manual Gearbox	√	√	√	√	√			
			ACC Active Cruise Control	√	√	√	√	√			
			ACC2 Active Cruise Control 2	√	√	√	√	√			
			AL Active steering	√	√	√	√	√		1.Startup/adjustment, active front steering	
			ARS Dynamic Drive	√	√	√	√	√		Start startup Sensor values	

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
		Chassis	DSC Dynamic Stability Control	√	√	√	√	√	√	1.Bleeding DSC Hydraulics 2.Mix Up Check BrakeLines 3.Run flat indicator initialisation 4.Longitudinal acceleration sensor matching 5.DSC sensors check	
			DSC Dynamic Stability Control PLUS	√	√	√	√	√		1.Bleeding DSC Hydraulics 2.Mix Up Check BrakeLines 3.Run flat indicator initialisation 4.Longitudinal acceleration sensor matching 5.DSC sensors check	
			DSC Dynamic Stability Control Premium	√	√	√	√	√		1.Bleeding DSC Hydraulics 2.Mix Up Check BrakeLines 3.Run flat indicator initialisation 4.Longitudinal acceleration sensor matching 5.DSC sensors check	
			EDC Damper Control	√	√	√	√	√		1.System startup after control unit change 2.Shock absorber adjustment 3.Shock absorber performance 4.Initial setting, switch-on state	

## BMW V46.10 Diagnostics List (Note: For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
5 Series		EHC Electronic Ride-Height Control		√	√	√	√	√		1.Check Ride Level Sensors 2.Delete Energy Saving Mode 3.Check Air Supply System 4.Check Compressor Relay 5.Check Raise/lower Function	
			LDM Longitudinal Dynamics Management	√	√	√	√	√			
			LRR Long-range sensor	√	√	√	√	√			
			RDC Tyre pressure control	√	√	√	√	√			
		ACSM Crash Safety Module	√	√	√	√	√				
		AHL Adaptive directional headlights	√	√	√	√	√				
		AHM Trailer module	√	√	√	√	√				
		ALBBF active backrest width, front passenger	√	√	√	√	√				
		ALBFA active backrest width, driver	√	√	√	√	√			1.ALBFA initialization	
		AMP Amplifier	√	√	√	√	√				
		CA Comfort Access	√	√	√	√	√				
		CCC-A Applications	√	√	√	√	√				
		CCC-ANT Aerial tuner	√	√	√	√	√			Test AM/FM	
		CCC-ASK Audio system controller	√	√	√	√	√				
		CCC-BO User interface	√	√	√	√	√				
		CCC-GW Gateway	√	√	√	√	√			Set tuner to New Zealand coding Heat unit malfunction Reset hip module	
		CDC CD Changer	√	√	√	√	√				
CHAMP-BO User interface	√	√	√	√	√						

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
		Body	CHAMP-GW Gateway	√	√	√	√	√			
			CIC Car Inforamtion Computer	√	√	√	√	√			
			CIC GW Gateway	√	√	√	√	√			
			CID Central Information Display	√	√	√	√	√			General fault info
			CNAV Navigation system, China	√	√	√	√	√			Initialisation
			CON Controller	√	√	√	√	√			
			DVD-C DVD Changer	√	√	√	√	√			
			DAB Digital tuner	√	√	√	√	√			
			DWA Antitheft alarm system	√	√	√	√	√			
			FD Rear-compartment display	√	√	√	√	√			
			FLA High Beam Assist	√	√	√	√	√			
			HKL Rear-lid lift	√	√	√	√	√			
			HUD Head-Up Display	√	√	√	√	√			
			IHKA Integrated automatic heating/air conditioning	√	√	√	√	√			1.Flap motors 2.Coolant compressor
			IHKA2 Integrated automatic heating/air conditiong	√	√	√	√	√			
			INSTR Instrument cluster	√	√	√	√	√	√		
			JNAV Navigation system, Japan	√	√	√	√	√			Initialisation
			KBM Body Basic Module	√	√	√	√	√			
			KGM Body Gateway Module	√	√	√	√	√			
			KHI Headset interface	√	√	√	√	√			
			KNAV Navigation system, Korea	√	√	√	√	√			Initialisation
			LM2 AHL2 Light module 2 with adaptive headlight 2	√	√	√	√	√			
			LM2 Light Module 2	√	√	√	√	√			
			LM2 Light Module 2 with adpative headlight	√	√	√	√	√			
			M-ASK-BO User interface	√	√	√	√	√			



## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			M-ASK-GW Gateway	√	√	√	√	√			
			M-ASK-NAV Navigation system	√	√	√	√	√			
			MPM Micro-power module	√	√	√	√	√		Register battery change	
			NVE Night Vision Electronics	√	√	√	√	√			
			NVK Night Vision camera	√	√	√	√	√			
			PDC Park Distance Control	√	√	√	√	√			
			RLS Rain/Light Sensor	√	√	√	√	√		1.Initialize rain sensor	
			RLSS Rain/light solar sensor	√	√	√	√	√		1.Initialize rain sensor	
			SBSL Satellite, B-pillar, left	√	√	√	√	√			
			SBSR Satellite, B-pillar, right	√	√	√	√	√			
			SDARS satellite tuner	√	√	√	√	√			
			SFZ Satellite vehicle centre	√	√	√	√	√			
			SGM-SIM Safety and Gateway Module (SIM)	√	√	√	√	√			
			SGM-ZGM Safety and Gateway Module (ZGM)	√	√	√	√	√		Start windows initialising	
			SHD Sliding/tilting sunroof	√	√	√	√	√		1.Delivery position 2.Initialize slide_tilt sunroof	
			SHZH Independent/auxiliary heater	√	√	√	√	√			
			SINE Siren with tilt sensor	√	√	√	√	√			
			SMBF Seat module, passenger	√	√	√	√	√			
			SMFA Seat module, driver	√	√	√	√	√		Normalisation of seat adjustment	
			SVS Language processing system	√	√	√	√	√			
			SZL Switch center, steering column	√	√	√	√	√			
			SZL Steering column switch centre 2	√	√	√	√	√			
			SZM/BZM Switching/Control center, center console	√	√	√	√	√			
			TCU Telematic Control unit	√	√	√	√	√			

## BMW V46.10 Diagnostics List (Note: For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			TLC Lane Departure Warning	√	√	√	√	√			
			TMFBP Door module, front passenger	√	√	√	√	√		Windows initialisation	
			TMFA Door module, driver	√	√	√	√	√		Windows initialisation	
			ULF Universal charging and hands-free facility	√	√	√	√	√			
			ULF-SBX Interface box	√	√	√	√	√			
			ULF-SBX-H Interface box High	√	√	√	√	√			
			VM Video Module	√	√	√	√	√			
		Short test		√	√	√					
			ACSM.C08							1.Recoding	
			ACSM.C21							1.Recoding	
			ACSM.C22							1.Recoding	
			CAS2.C05							1.Recoding	
			CAS3.C06							1.Recoding	
			DSC8_RPA.C01							1.Recoding	
			DSC8_RPA.C02							1.Recoding	
			DSC8_RPA.C03							1.Recoding	
			DSC8_RPA.C04							1.Recoding	
			DSC8_RPA.C07							1.Recoding	
			DSC8_RPA.C0A							1.Recoding	
			DSC8_RPA.C0C							1.Recoding	
			DWA_IRS.C04							1.Recoding	
			DWA_IRS.C05							1.Recoding	
			DWASINE.C02							1.Recoding	
			DWASINE.C03							1.Recoding	
			DWASINE.C04							1.Recoding	
			EKP_E60.C02							1.Recoding	
			EKPM60_2.C03							1.Recoding	
			GKE11P.C00							1.Recoding	

## BMW V46.10 Diagnostics List (Note: For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			GKE11P.C01							1.Recoding	
			GKE11P.C02							1.Recoding	
			GKE11T.C05							1.Recoding	
			IHKA_E60.C06							1.Recoding	
			IHKA_E60.C07							1.Recoding	
			IHKA_E60.C08							1.Recoding	
			IHKA_E60.C09							1.Recoding	
			IHKA_E60.C0C							1.Recoding	
			IHKA_E60.C0D							1.Recoding	
			KBM.C03							1.Recoding	
			KBM.C04							1.Recoding	
			KBM.C05							1.Recoding	
			KBM.C06							1.Recoding	
			KBM.C07							1.Recoding	
			KBM.C08							1.Recoding	
			KGM.C03							1.Recoding	
			KMBI_E60.C04							1.Recoding	
			KMBI_E60.C05							1.Recoding	
			KMBI_E60.C06							1.Recoding	
			KMBI_E60.C07							1.Recoding	
			LM_E60.C0B							1.Recoding	
			LM_E60.C0C							1.Recoding	
			LM_E60.C0D							1.Recoding	
			LM_E60.C0E							1.Recoding	
			MASK_E60.C05							1.Recoding	
			MASK_E60.C06							1.Recoding	
			MASK_E60.C07							1.Recoding	
			MASK_E60.C08							1.Recoding	
			MASK_E60.C09							1.Recoding	

## BMW V46.10 Diagnostics List (Note: For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			MASK_E60.C0B							1.Recoding	
			MASK_E60.C0C							1.Recoding	
			PDC_E65.C01							1.Recoding	
			PDC_E65.C02							1.Recoding	
			RLSS_E70.C02							1.Recoding	
			RLS_E65.C06							1.Recoding	
			SZM_E60.C02							1.Recoding	
			SZM_E60.C03							1.Recoding	
			SZM_E60.C04							1.Recoding	
			AHM_E60.C02							1.Recoding	
			AHM_E60.C03							1.Recoding	
			AHM_E60.C04							1.Recoding	
			ALC_KWP.C05							1.Recoding	
			ALC_KWP.C06							1.Recoding	
			ALC_KWP.C07							1.Recoding	
			CBFS_E65.C04							1.Recoding	
			CBFS_E65.C05							1.Recoding	
			CBFS_PLX.C10							1.Recoding	
			CBFS_PLX.C11							1.Recoding	
			CBFS_PLX.C12							1.Recoding	
			CBFS_PLX.C14							1.Recoding	
			CCC_ANT.C04							1.Recoding	
			CCC_ANT.C05							1.Recoding	
			CCC_ANT.C06							1.Recoding	
			CCC_ANT.C07							1.Recoding	
			CCC_ANT.C08							1.Recoding	
			CCC_ANT.C09							1.Recoding	
			CCC_ASK.C03							1.Recoding	
			CCC_ASK.C04							1.Recoding	

## BMW V46.10 Diagnostics List (Note: For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			CCC_ASK.C05							1.Recoding	
			CCC_ASK.C06							1.Recoding	
			CCC_ASK.C07							1.Recoding	
			CCC_GW.C01							1.Recoding	
			CCC_GW.C02							1.Recoding	
			CFAS_E65.C04							1.Recoding	
			CFAS_E65.C05							1.Recoding	
			CFAS_PLX.C10							1.Recoding	
			CFAS_PLX.C11							1.Recoding	
			CFAS_PLX.C12							1.Recoding	
			CFAS_PLX.C14							1.Recoding	
			MDS_SHD.C03							1.Recoding	
			MDS_SHD.C04							1.Recoding	
			MDS_SHD.C06							1.Recoding	
			M_SHD.C07							1.Recoding	
			MPM.C01							1.Recoding	
			SBSL_E60.C04							1.Recoding	
			SBSL_E60.C05							1.Recoding	
			SBSR_E60.C04							1.Recoding	
			SBSR_E60.C05							1.Recoding	
			SFZ_E60.C03							1.Recoding	
			SFZ_E60.C04							1.Recoding	
			SFZ_E60.C05							1.Recoding	
			SFZ_E60.C06							1.Recoding	
			SFZ_E60.C07							1.Recoding	
			SFZ_E60.C08							1.Recoding	
			SFZ_E60.C09							1.Recoding	
			SGM.CO A							1.Recoding	
			SGM.CO B							1.Recoding	

## BMW V46.10 Diagnostics List (Note: For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			SGM.COC							1.Recoding	
			SGM.COD							1.Recoding	
			SMCDS_LI.C04							1.Recoding	
			SMCDS_LI.C06							1.Recoding	
			SMCDS_LI.C07							1.Recoding	
			SMCDS_RE.C04							1.Recoding	
			SMCDS_RE.C06							1.Recoding	
			SMCDS_RE.C07							1.Recoding	
			SZL_E60.C04							1.Recoding	
			SZL_E60.C05							1.Recoding	
			SZL_E60.C06							1.Recoding	
			SZL_E60.C07							1.Recoding	
			TE_BFT.C05							1.Recoding	
			TE_BFT.C06							1.Recoding	
			TE_BFT.C07							1.Recoding	
			TE_BFT.C08							1.Recoding	
			TE_FAT.C05							1.Recoding	
			TE_FAT.C06							1.Recoding	
			TE_FAT.C07							1.Recoding	
			TE_FAT.C08							1.Recoding	
			ULF_MOST.C02							1.Recoding	
			ULF_MOST.C03							1.Recoding	
			ULF_MOST.C05							1.Recoding	
			ULF2MOST.C10							1.Recoding	
			TCU_JAPN.C01							1.Recoding	
			AFS.C03							1.Recoding	
			AFS.C04							1.Recoding	
			AFS_60.C05							1.Recoding	
			AFS_60.C06							1.Recoding	

## BMW V46.10 Diagnostics List (Note: For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			AMP_TOP.C02							1.Recoding	
			AMP_TOP.C03							1.Recoding	
			ARS.C0B							1.Recoding	
			ARS.C0C							1.Recoding	
			ARS.C0D							1.Recoding	
			ARS.C0E							1.Recoding	
			ARS.C0F							1.Recoding	
			MSV70.C01							1.Recoding	
			MSV70.C03							1.Recoding	
			EK928.C0C							1.Recoding	
			EK9282.C10							1.Recoding	
			ULF2MOST.C11							1.Recoding	
			ULF2MOST.C13							1.Recoding	
			DDE626.C06							1.Recoding	
			DDE626.C09							1.Recoding	
			DDE626.C0A							1.Recoding	
			DDE626.C0C							1.Recoding	
			DDE626.C0D							1.Recoding	
			DDE626.C0E							1.Recoding	
			DDE71.C04							1.Recoding	
			DDE71.C05							1.Recoding	
			DDE71.C06							1.Recoding	
			CBFS_PLX.C15							1.Recoding	
			DWA_63.C03							1.Recoding	
			DWA_63.C04							1.Recoding	
			DWA_63.C05							1.Recoding	
			DWA_63.C07							1.Recoding	
			CAS3.C07							1.Recoding	
			CAS3.C08							1.Recoding	

## BMW V46.10 Diagnostics List (Note: For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			CAS3.C09							1.Recoding	
			CIC.C09							1.Recoding	
			CIC.C10							1.Recoding	
			CIC.C11							1.Recoding	
			CIC.C0A							1.Recoding	
			CIC.C0D							1.Recoding	
			CIC.C0E							1.Recoding	
			CIC.C0F							1.Recoding	
			CID_90.C02							1.Recoding	
			CID_90.C0B							1.Recoding	
			CID_90.C0C							1.Recoding	
			CID_90.C0D							1.Recoding	
			CID_90.C0F							1.Recoding	
			CCC_ANT.C0A							1.Recoding	
			CCC_ANT.C0B							1.Recoding	
			CCC_ANT.C0C							1.Recoding	
			DWASINE.C05							1.Recoding	
			EHB_60.C04							1.Recoding	
			EHB_60.C05							1.Recoding	
			EHC_65I6.C04							1.Recoding	
			EHC_65I6.C10							1.Recoding	
			EHC_65I6.C11							1.Recoding	
			EHC_65I6.C13							1.Recoding	
		Coding / Program	EKPM60_3.C11							1.Recoding	
			EKPM60_3.C12							1.Recoding	
			EKPM60_3.C13							1.Recoding	
			CFAS_PLX.C15							1.Recoding	
			FLA_E65.C03							1.Recoding	
			FLA_E65.C04							1.Recoding	



## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			FLA_E65.C05							1.Recoding	
			GWS_60.C08							1.Recoding	
			GWS_60.C09							1.Recoding	
			GWS_60.C0A							1.Recoding	
			GWS_60.C05							1.Recoding	
			GWS_60.C06							1.Recoding	
			GWS_60.C07							1.Recoding	
			AMPH56.C02							1.Recoding	
			KGM.C04							1.Recoding	
			KGM.C05							1.Recoding	
			LM_AHL.C20							1.Recoding	
			LM_AHL.C21							1.Recoding	
			MASK_E60.C0D							1.Recoding	
			MASK_E60.C0E							1.Recoding	
			MASK_E60.C0F							1.Recoding	
			SZL_E60.C23							1.Recoding	
			SZL_E60.C24							1.Recoding	
			TLC_E60.C01							1.Recoding	
			TLC_E60.C02							1.Recoding	
			TLC_E60.C03							1.Recoding	
			ZBE_60_2.C04							1.Recoding	
			ZBE_60_2.C05							1.Recoding	
			Car Key Memory\IHKA\Recirculated air memory							1.Active 2.Not active	
			Car Key Memory\IHKA\ A/C off with auto							1.Active 2.Not active	
			Car Key Memory\IHKA\ A/C Off Memory\Key 1							1.Active 2.Not active	

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module	Menu	Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			Car Key Memory\IHKA\ A/C Off Memory\Key 2							1.Active 2.Not active	
			Car Key Memory\IHKA\ A/C Off Memory\Key 3							1.Active 2.Not active	
			Car Key Memory\IHKA\ A/C Off Memory\Key 4							1.Active 2.Not active	
			Car Key Memory\IHKA\Set Fan Power\Key 1							1.Not active 2.Raise 3.Lower	
			Car Key Memory\IHKA\Set Fan Power\Key 2							1.Not active 2.Raise 3.Lower	
			Car Key Memory\IHKA\Set Fan Power\Key 3							1.Not active 2.Raise 3.Lower	
			Car Key Memory\IHKA\Set Fan Power\Key 4							1.Not active 2.Raise 3.Lower	
			Car Key Memory\IHKA\Correction Set Temperature\Key 1							1.Not active 2.+1 3.+2 4.+3 5.-1 6.-2 7.-3	

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			Car Key Memory\IHKA\Correction Set Temperature\Key 2							1.Not active 2.+1 3.+2 4.+3 5.-1 6.-2 7.-3	
			Car Key Memory\IHKA\Correction Set Temperature\Key 3							1.Not active 2.+1 3.+2 4.+3 5.-1 6.-2 7.-3	
			Car Key Memory\IHKA\Correction Set Temperature\Key 4							1.Not active 2.+1 3.+2 4.+3 5.-1 6.-2 7.-3	
			Car Key Memory\LSZ/LCM [Light switching center]\Exterior lighting\Day time running lights(ECE)							1.Active 2.Not active	
			Car Key Memory\LSZ/LCM [Light switching center]\Exterior lighting\Day time running lights(US)							1.Active 2.Not active	

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			Car Key Memory\LSZ/LCM [Light switching center]\Interior lighting\Home lights duration							1.Not active 2.40 seconds 3.90 seconds 4.150 seconds 5.240 seconds	
			Car Key Memory\DWAI[BURGLAR ALARM SYSTEM]\Compartment sensor							1.Active 2.Not active	
			Car Key Memory\DWAI[BURGLAR ALARM SYSTEM]\Tilt sensor							1.Active 2.Not active	
			Car Key Memory\DWAI[BURGLAR ALARM SYSTEM]\Arm visually							1.Active 2.Not active	
			Car Key Memory\DWAI[BURGLAR ALARM SYSTEM]\Arm acoustically							1.Active 2.Not active	
			Car Key Memory\DWAI[BURGLAR ALARM SYSTEM]\Arm visually doors/lids closed							1.Active 2.Not active	
			Car Key Memory\DWAI[BURGLAR ALARM SYSTEM]\Arm acoustically doors/lids closed							1.Active 2.Not active	
			Car Key Memory\DWAI[BURGLAR ALARM SYSTEM]\Disarm visually							1.Active 2.Not active	
			Car Key Memory\DWAI[BURGLAR ALARM SYSTEM]\Disarm acoustically							1.Active 2.Not active	
			Car Key Memory\CAS[Car Access System]\Convenient opening rc							1.Active 2.Not active	
			Car Key Memory\CAS[Car Access System]\Convenient closing rc							1.Active 2.Not active	

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			Car Key Memory\CAS[Car Access System]\Activating and deactivating dwa							1.Rc only 2.Key and rc	
			Car Key Memory\CAS[Car Access System]\Open tailgate type1							1.Always 2.If double unlocked	
			Car Key Memory\CAS[Car Access System]\Open tailgate type2							1.Always 2.If double unlocked	
			Car Key Memory\CAS[Car Access System]\Automatic locking\Car							1.Active 2.Not active	
			Car Key Memory\CAS[Car Access System]\Automatic locking\Key 1							1.Active 2.Not active	
			Car Key Memory\CAS[Car Access System]\Automatic locking\Key 2							1.Active 2.Not active	
			Car Key Memory\CAS[Car Access System]\Automatic locking\Key 3							1.Active 2.Not active	
			Car Key Memory\CAS[Car Access System]\Automatic locking\Key 4							1.Active 2.Not active	
			Car Key Memory\CAS[Car Access System]\Selective central locking /convenient access\Car							1.Active 2.Not active	
			Car Key Memory\CAS[Car Access System]\Selective central locking /convenient access\Key 1							1.Active 2.Not active	
			Car Key Memory\CAS[Car Access System]\Selective central locking /convenient access\Key 2							1.Active 2.Not active	
			Car Key Memory\CAS[Car Access System]\Selective central locking /convenient access\Key 3							1.Active 2.Not active	

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			Car Key Memory\CAS[Car Access System]\Selective central locking /convenient access\Key 4							1.Active 2.Not active	
			Car Key Memory\KBM[Body Basic module]\One touch open							1.Active 2.Not active	
			Car Key Memory\KBM[Body Basic module]\One touch close							1.Active 2.Not active	
			Car Key Memory\TMBT[Passenger Door Module]\One touch open							1.Active 2.Not active	
			Car Key Memory\TMBT[Passenger Door Module]\One touch close							1.Active 2.Not active	
			Car Key Memory\TMBT[Passenger Door Module]\Passenger's side							1.Active 2.Not active	
			Car Key Memory\TMBT[Drivers Door Module]\One touch open							1.Active 2.Not active	
			Car Key Memory\TMBT[Drivers Door Module]\One touch close							1.Active 2.Not active	
			Car Key Memory\TMBT[Drivers Door Module]\driver's side							1.Active 2.Not active	

## BMW V46.10 Diagnostics List (Note: For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			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 9.Vehicle inspection 10.Exhaust emission inspection	
			Maintenance							1.Delete transport mode	
			Service functions							1.Adjustment, Steering-angle sensor	
			CAS Car Access System	√	√	√	√	√			

## BMW V46.10 Diagnostics List (Note: For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
		Driver	DME/DDE Digital motor/Diesel electronics	√	√	√	√	√		1. Battery management 2. Fuel injector test 3. Fuel injector adaptation 4. Swirl flap 5. Rail pressure regulating valve 6. Fuel pump 7. Mean quantity 8. EGR matching 9. Smooth running control 10. Valvetronic adaptation limit positions 11. Throttle valve actuator 12. Accelerator pedal module	
			DME2 Digital Motor Electronics 2	√	√	√	√	√			
			EKPS Electronic Fuel pump	√	√	√	√	√			
			EGS/SMG Transmission management	√	√	√	√	√			
			VTG Transfer case	√	√	√	√	√			
			EME Electrical machine electronics	√	√	√	√	√			
			GWS Gear selector switch	√	√	√	√	√			
			SME Accumulator management electronics	√	√	√	√	√			
			AL Active steering	√	√	√	√	√			
			ICM Integrated chassis management	√	√	√	√	√			
			RDC Tyre pressure control	√	√	√	√	√			
			DSC Dynamic Stability Control	√	√	√	√	√		Brake bleeding procedure	



## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
	GT(F07)	Chassis	EMF Parking brake	√	√	√	√	√		EMF workshop mode	
			HSR Rear-axle slip-angle control	√	√	√	√	√			
			EPS Electronic Power Steering	√	√	√	√	√			
			EHC Electronic Ride-Height Control	√	√	√	√	√			
			VDM Vertical Dynamics Management	√	√	√	√	√			
			EDCSVL Damper satellite, front left	√	√	√	√	√			
			EDCSVR Damper satellite, front right	√	√	√	√	√			
			EDCSHL Damper satellite, rear left	√	√	√	√	√			
			EDCSHR Damper satellite, rear right	√	√	√	√	√			
		JBE Junction-box electronics	√	√	√	√	√			1.Power window initialisations 2.Rain sensor initialisation	
		ACSM Crash Safety Module	√	√	√	√	√				
		SZL Switch center steering column	√	√	√	√	√			Steering wheel angle sensor adjustment	
		TR SVC All round view camera	√	√	√	√	√				
		SWW Lane change warning	√	√	√	√	√				
		ZGM Central Gateway Module	√	√	√	√	√				
		RSE Rear Seat Entertainment	√	√	√	√	√				
		TCU/ULF Telephone	√	√	√	√	√				
		HUD Head-Up Display	√	√	√	√	√				
		VSW video switch	√	√	√	√	√				
		SEC Supplementary control unit	√	√	√	√	√				
		SEC2 Supplementary control unit 2	√	√	√	√	√				
		VM Video Module	√	√	√	√	√				
		EMALI Left electric motor reel	√	√	√	√	√				
		EMARE Right electric motor reel	√	√	√	√	√				

## BMW V46.10 Diagnostics List (Note: For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
		Body	FZD Function centre, roof	√	√	√	√	√		Sunroof initialisation	
			NVE Night Vision Electronics	√	√	√	√	√			
			KAFAS Camera based driver assist systems	√	√	√	√	√			
			FLA High Beam Assist	√	√	√	√	√			
			INSTR Instrument cluster	√	√	√	√	√			
			CIC/CHAMP Car headunit platform	√	√	√	√	√			
			PDC Park Distance Control	√	√	√	√	√			
			CON Controller	√	√	√	√	√			
			FCON Rear Compartment controller	√	√	√	√	√			
			SMFAH Seat module, driver's side rear	√	√	√	√	√			Normalisation of seat
			SMBFH Seat module, passenger's side rear	√	√	√	√	√			Normalisation of seat
			HKL Rear-lid lift	√	√	√	√	√			
			SMFA Seat module, driver	√	√	√	√	√			
			SMBF Seat module, passenger	√	√	√	√	√			Normalisation of seat
			AHM Trailer module	√	√	√	√	√			
			FRM Footwell Module	√	√	√	√	√			Power window initialisations
			CID Central Information Display	√	√	√	√	√			
			FD Rear compartment display	√	√	√	√	√			
			FD2 Rear compartment display 2	√	√	√	√	√			
			RFK Reversing camera	√	√	√	√	√			
			AMP Amplifier	√	√	√	√	√			
			IHKA Integrated automatic heating/air conditioning	√	√	√	√	√			
			FKA Rear-cabin automatic A/C	√	√	√	√	√			
			HKA Rear-cabin automatic A/C	√	√	√	√	√			



## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions									
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others		
			VTG Transfer case	√	√	√	√	√					
			EME Electrical machine electronics	√	√	√	√	√					
			GWS Gear selector switch	√	√	√	√	√					
		Chassis	SME Accumulator management electronics	√	√	√	√	√					
			AL Active steering	√	√	√	√	√					
			ICM Integrated chassis management	√	√	√	√	√					
			RDC Tyre pressure control	√	√	√	√	√					
			DSC Dynamic Stability Control	√	√	√	√	√			Brake bleeding procedure		
			EMF Parking brake	√	√	√	√	√			EMF workshop mode		
			HSR Rear-axle slip-angle control	√	√	√	√	√					
			EPS Electronic Power Steering	√	√	√	√	√					
			EHC Electronic Ride-Height Control	√	√	√	√	√					
			VDM Vertical Dynamics Management	√	√	√	√	√					
			EDCSVL Damper satellite, front left	√	√	√	√	√					
			EDCSVR Damper satellite, front right	√	√	√	√	√					
			EDCSHL Damper satellite, rear left	√	√	√	√	√					
			EDCSHR Damper satellite, rear right	√	√	√	√	√					
			F10	JBE Junction-box electronics	√	√	√	√	√				1.Power window initialisations 2.Rain sensor initialisation
		ACSM Crash Safety Module		√	√	√	√	√					
		SZL Switch center steering column		√	√	√	√	√				Steering wheel angle sensor adjustment	
		TRSVCA All round view camera		√	√	√	√	√					
		SWW Lane change warning		√	√	√	√	√					

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
		Body	ZGM Central Gateway Module	√	√	√	√	√			
			RSE Rear Seat Entertainment	√	√	√	√	√			
			TCU/ULF Telephone	√	√	√	√	√			
			HUD Head-Up Display	√	√	√	√	√			
			VSW video switch	√	√	√	√	√			
			SEC Supplementary control unit	√	√	√	√	√			
			SEC2 Supplementary control unit 2	√	√	√	√	√			
			VM Video Module	√	√	√	√	√			
			EMALI Left electric motor reel	√	√	√	√	√			
			EMARE Right electric motor reel	√	√	√	√	√			
			FZD Function centre, roof	√	√	√	√	√			Sunroof initialisation
			NVE Night Vision Electronics	√	√	√	√	√			
			KAFAS Camera based driver assist systems	√	√	√	√	√			
			FLA High Beam Assist	√	√	√	√	√			
			INSTR Instrument cluster	√	√	√	√	√			
			CIC/CHAMP Car headunit platform	√	√	√	√	√			
			PDC Park Distance Control	√	√	√	√	√			
			CON Controller	√	√	√	√	√			
			FCON Rear Compartment controller	√	√	√	√	√			
			SMFAH Seat module, driver's side rear	√	√	√	√	√			Normalisation of seat
			SMBFH Seat module, passenger's side rear	√	√	√	√	√			Normalisation of seat
			HKL Rear-lid lift	√	√	√	√	√			
			SMFA Seat module, driver	√	√	√	√	√			
			SMBF Seat module, passenger	√	√	√	√	√			Normalisation of seat
		AHM Trailer module	√	√	√	√	√				

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			FRM Footwell Module	√	√	√	√	√		Power window initialisations	
			CID Central Information Display	√	√	√	√	√			
			FD Rear compartment display	√	√	√	√	√			
			FD2 Rear compartment display 2	√	√	√	√	√			
			RFK Reversing camera	√	√	√	√	√			
			AMP Amplifier	√	√	√	√	√			
			IHKA Integrated automatic heating/air conditioning	√	√	√	√	√			
			FKA Rear-cabin automatic A/C	√	√	√	√	√			
			HKA Rear-cabin automatic A/C	√	√	√	√	√			
			Short test	√	√	√					
		Coding / Program	Maintenance \ CBS Reset \ Software reset							1.Engine Oil 2.Front barke 3.Rear brake 4.Vehicle check 5.Brake fluid 6.Vehicle inspection 7.Exhaust emission inspection	

## BMW V46.10 Diagnostics List (Note: For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
E24		Driver	DME Digital Motor Electronics	√	√	√	√	√		1.Clear Adaptations 2.DME/DDE-EWS adjustment 3.CO adjustment 4.Smooth running measurement 5.Tank Leakage System Check 6.Secondary Air System Check 7.Status Diagnosis Functions 8.OBD Readiness Display 9.Idle speed adjustment 10.Program All Adjustments 11.Operation On Roller Dvnamometer	
			EGS Transmission control	√	√	√	√	√			
			EML (Elec. throttle)	√	√	√	√	√			
			GR (Cruise control)	√	√	√	√	√			
			EWS (Elec. immobilize system)	√	√	√	√	√			
		Chassis	ABS Antilock brake	√	√	√	√	√		1.TEST PROCEDURES 2.BLEEDING THE ABS/ASC HYDRAULIC SYSTEM 3.RESET ABS MOTOR RELAY CLOCK COUNTER	
			ADS Throttle-Valve Control	√	√	√	√	√			
			EHC/EDC (Signal-axle air suspension)	√	√	√	√	√			

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
		Body	CVM Convertible-top module	√	√	√	√	√			
			DWA Antitheft alarm system	√	√	√	√	√			
			EKM (Electronic Body Module)	√	√	√	√	√			
			IHKA/IHKR (AC/heater)	√	√	√	√	√			
			IKE/IKI/KOMBI	√	√	√	√	√			
			LSZ/LCM (Light switching center)	√	√	√	√	√			
			MID (Multi Information Display)	√	√	√	√	√			
			PDC Park Distance Control	√	√	√	√	√			
			RAD (Radio)	√	√	√	√	√			
			SHD Sliding/tilting sunroof	√	√	√	√	√			
			SPM/SM	√	√	√	√	√			
			SRS (Air bag)	√	√	√	√	√			
			URS (Rollover sensor)	√	√	√	√	√			
			VMX (Top-speed Regulation)	√	√	√	√	√			
			VNC (Variable Camshaft Control)	√	√	√	√	√			
			XEN (XENON LIGHTS)	√	√	√	√	√			
			ZKE (Central body electronic)	√	√	√	√	√			
			Short test		√	√	√				
		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
			CAS Car Access System	√	√	√	√	√	√	1.Personalisation key number 2.Disable_enable key 3.Reset internal ELV fault counter	



## BMW V46.10 Diagnostics List (Note: For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			DDE Diesel Electronics	√	√	√	√	√	√	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	

## BMW V46.10 Diagnostics List (Note: For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
		Driver	DME Digital Motor Electronics	√	√	√	√	√	√	1.DME-CAS adjustment 2.CO adjustment 3.Clear adaptations 4.Delete adaptations/variants 5.Idle speed adjustment 6.Consumption indicator adjustment 7.Learning Valvetronic limit positions 8.Venting, cooling system 9.Register battery change 10.Remove Valvetronic servomotor 11.OBD readiness codes 12.Regeneration, particulate filter 13.Exhaust VANOS test 14. Valvetronic adaptation limit positions	

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			EGS Transmission control	√	√	√	√	√	√	1.Reset adaptation values 2.Reset learning functions 3.Mechatronics adjustment 4.Oil-level adjustment 5.Oil lifetime 6.Teach in transmission 7.Teach in clutch slip 8.Reset clutch characteristic 9.Teach in valve characteristic curve 10.Parking lock, hook test 11.Parking lock, function test	
			EKPS Fuel-pump control	√	√	√	√	√	√		
			GWS Gear selector switch	√	√	√	√	√			
			SMG Sequential Manual Gearbox	√	√	√	√	√			
			VTC Valvetronic	√	√	√	√	√			
			VTC2 Valvetronic 2	√	√	√	√	√			
			ACC2 Active Cruise Control 2	√	√	√	√	√			
			AL Active steering	√	√	√	√	√		1.Startup/adjustment, active front steering	
			ARS Dynamic Drive 2	√	√	√	√	√		Start startup Sensor values	

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
		Chassis	DSC Dynamic Stability Control	√	√	√	√	√	√	1.Bleeding DSC Hydraulics 2.Mix Up Check BrakeLines 3.Run flat indicator initialisation 4.Longitudinal acceleration sensor matching 5.DSC sensors check	
			DSC Dynamic Stability Control PLUS	√	√	√	√	√		1.Bleeding DSC Hydraulics 2.Mix Up Check BrakeLines 3.Run flat indicator initialisation 4.Longitudinal acceleration sensor matching 5.DSC sensors check	
			DSC Dynamic Stability Control Premium	√	√	√	√	√		1.Bleeding DSC Hydraulics 2.Mix Up Check BrakeLines 3.Run flat indicator initialisation 4.Longitudinal acceleration sensor matching 5.DSC sensors check	
			EDC Damper Control	√	√	√	√	√		1.System startup after control unit change 2.Shock absorber adjustment 3.Shock absorber performance 4.Initial setting, switch-on state	

## BMW V46.10 Diagnostics List (Note: For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			LDM Longitudinal Dynamics Management	√	√	√	√	√			
			LRR Long-range sensor	√	√	√	√	√			
			RDC Tyre pressure control	√	√	√	√	√			
			ACSM Crash Safety Module	√	√	√	√	√			
			AHL Adaptive directional headlights	√	√	√	√	√			
			AMP Amplifier	√	√	√	√	√			
			CA Comfort Access	√	√	√	√	√			
			CCC-A Applications	√	√	√	√	√			
			CCC-ANT Aerial tuner	√	√	√	√	√		Test AM/FM	
			CCC-ASK Audio system controller	√	√	√	√	√			
			CCC-BO User interface	√	√	√	√	√			
			CCC-GW Gateway	√	√	√	√	√		Set tuner to New Zealand coding Heat unit malfunction Reset hip module	
			CDC CD Changer	√	√	√	√	√			
			CHAMP-BO User interface	√	√	√	√	√			
			CHAMP-GW Gateway	√	√	√	√	√			
			CID Central Information Display	√	√	√	√	√		General fault info	
			CNAV Navigation system, China	√	√	√	√	√		Initialisation	
			CON Controller	√	√	√	√	√			
			CVM Convertible-top module	√	√	√	√	√			
			DAB Digital tuner	√	√	√	√	√			
			DVD-C DVD Changer	√	√	√	√	√			
			DWA Antitheft alarm system	√	√	√	√	√			
			FLA High Beam Assist	√	√	√	√	√			
			HUD Head-Up Display	√	√	√	√	√			
			IBOC Digital tuner US	√	√	√	√	√			

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions								
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others	
		Body	IHKA Integrated automatic heating/air conditioning	√	√	√	√	√		1.Flap motors 2.Coolant compressor		
			IHKA2 Integrated automatic heating/air conditiong	√	√	√	√	√				
			INSTR Instrument cluster	√	√	√	√	√	√			
			JNAV Navigation system, Japan	√	√	√	√	√				
			KBM Body Basic Module	√	√	√	√	√				
			KGM Body Gateway Module	√	√	√	√	√				
			KNAV Navigation system, Korea	√	√	√	√	√				
			LM2 AHL2 Light module 2 with adaptive headlight 2	√	√	√	√	√				
			LM2 Light Module 2	√	√	√	√	√				
			LM2 Light Module 2 with adpative headlight	√	√	√	√	√				
			M-ASK-BO User interface	√	√	√	√	√				
			M-ASK-GW Gateway	√	√	√	√	√				
			MPM Micro-power module	√	√	√	√	√			Register battery change	
			NVE Night Vision Electronics	√	√	√	√	√				
			NVK Night Vision camera	√	√	√	√	√				
			PDC Park Distance Control	√	√	√	√	√				
			RLS Rain/Light Sensor	√	√	√	√	√			1.Initialize rain sensor	
			RLSS Rain/light solar sensor	√	√	√	√	√			1.Initialize rain sensor	
			SBSL Satellite, B-pillar, left	√	√	√	√	√				
			SBSR Satellite, B-pillar, right	√	√	√	√	√				
			SDARS satellite tuner	√	√	√	√	√				
			SFZ Satellite vehicle centre	√	√	√	√	√				
		SGM-SIM Safety and Gateway Module (SIM)	√	√	√	√	√					

## BMW V46.10 Diagnostics List (Note: For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			SGM-ZGM Safety and Gateway Module (ZGM)	√	√	√	√	√		Start windows initialising	
			SHD Sliding/tilting sunroof	√	√	√	√	√		1.Delivery position 2.Initialize slide_tilt sunroof	
			SHZH Independent/auxiliary heater	√	√	√	√	√			
			SINE Siren with tilt sensor	√	√	√	√	√			
			SMBF Seat module, passenger	√	√	√	√	√			
			SMFA Seat module, driver	√	√	√	√	√		Normalisation of seat adjustment	
			SVS Language processing system	√	√	√	√	√			
			SZL Switch center, steering column	√	√	√	√	√			
			SZL Steering column switch centre 2	√	√	√	√	√			
			SZM/BZM Switching/Control center, center console	√	√	√	√	√			
			TCU Telematic Control unit	√	√	√	√	√			
			TLC Lane Departure Warning	√	√	√	√	√			
			TMBF Door module, front passenger	√	√	√	√	√		Windows initialisation	
			TMFA Door module, driver	√	√	√	√	√		Windows initialisation	
			ULF Universal charging and hands-free facility	√	√	√	√	√			
			ULF-SBX Interface box	√	√	√	√	√			
			ULF-SBX-H Interface box High	√	√	√	√	√			
			VM Video Module	√	√	√	√	√			
		Short test		√	√	√					
			ACSM.C08							1.Recoding	
			ACSM.C21							1.Recoding	
			ACSM.C22							1.Recoding	
			CAS2.C05							1.Recoding	
			CAS3.C06							1.Recoding	

## BMW V46.10 Diagnostics List (Note: For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			DSC8_RPA.C01							1.Recoding	
			DSC8_RPA.C02							1.Recoding	
			DSC8_RPA.C03							1.Recoding	
			DSC8_RPA.C04							1.Recoding	
			DSC8_RPA.C07							1.Recoding	
			DSC8_RPA.C0A							1.Recoding	
			DSC8_RPA.C0C							1.Recoding	
			DWA_IRS.C04							1.Recoding	
			DWA_IRS.C05							1.Recoding	
			DWASINE.C02							1.Recoding	
			DWASINE.C03							1.Recoding	
			DWASINE.C04							1.Recoding	
			EKP_E60.C02							1.Recoding	
			EKPM60_2.C03							1.Recoding	
			GKE11P.C00							1.Recoding	
			GKE11P.C01							1.Recoding	
			GKE11P.C02							1.Recoding	
			GKE11T.C05							1.Recoding	
			IHKA_E60.C06							1.Recoding	
			IHKA_E60.C07							1.Recoding	
			IHKA_E60.C08							1.Recoding	
			IHKA_E60.C09							1.Recoding	
			IHKA_E60.C0C							1.Recoding	
			IHKA_E60.C0D							1.Recoding	
			KBM.C03							1.Recoding	
			KBM.C04							1.Recoding	
			KBM.C05							1.Recoding	
			KBM.C06							1.Recoding	
			KBM.C07							1.Recoding	



## BMW V46.10 Diagnostics List (Note: For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			KBM.C08							1.Recoding	
			KGM.C03							1.Recoding	
			KMBI_E60.C04							1.Recoding	
			KMBI_E60.C05							1.Recoding	
			KMBI_E60.C06							1.Recoding	
			KMBI_E60.C07							1.Recoding	
			LM_E60.C0B							1.Recoding	
			LM_E60.C0C							1.Recoding	
			LM_E60.C0D							1.Recoding	
			LM_E60.C0E							1.Recoding	
			MASK_E60.C05							1.Recoding	
			MASK_E60.C06							1.Recoding	
			MASK_E60.C07							1.Recoding	
			MASK_E60.C08							1.Recoding	
			MASK_E60.C09							1.Recoding	
			MASK_E60.C0B							1.Recoding	
			MASK_E60.C0C							1.Recoding	
			PDC_E65.C01							1.Recoding	
			PDC_E65.C02							1.Recoding	
			RLSS_E70.C02							1.Recoding	
			RLS_E65.C06							1.Recoding	
			SZM_E60.C02							1.Recoding	
			SZM_E60.C03							1.Recoding	
			SZM_E60.C04							1.Recoding	
			AHM_E60.C02							1.Recoding	
			AHM_E60.C03							1.Recoding	
			AHM_E60.C04							1.Recoding	
			ALC_KWP.C05							1.Recoding	
			ALC_KWP.C06							1.Recoding	

## BMW V46.10 Diagnostics List (Note: For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			ALC_KWP.C07							1.Recoding	
			CBFS_E65.C04							1.Recoding	
			CBFS_E65.C05							1.Recoding	
			CBFS_PLX.C10							1.Recoding	
			CBFS_PLX.C11							1.Recoding	
			CBFS_PLX.C12							1.Recoding	
			CBFS_PLX.C14							1.Recoding	
			CCC_ANT.C04							1.Recoding	
			CCC_ANT.C05							1.Recoding	
			CCC_ANT.C06							1.Recoding	
			CCC_ANT.C07							1.Recoding	
			CCC_ANT.C08							1.Recoding	
			CCC_ANT.C09							1.Recoding	
			CCC_ASK.C03							1.Recoding	
			CCC_ASK.C04							1.Recoding	
			CCC_ASK.C05							1.Recoding	
			CCC_ASK.C06							1.Recoding	
			CCC_ASK.C07							1.Recoding	
			CCC_GW.C01							1.Recoding	
			CCC_GW.C02							1.Recoding	
			CFAS_E65.C04							1.Recoding	
			CFAS_E65.C05							1.Recoding	
			CFAS_PLX.C10							1.Recoding	
			CFAS_PLX.C11							1.Recoding	
			CFAS_PLX.C12							1.Recoding	
			CFAS_PLX.C14							1.Recoding	
			MDS_SHD.C03							1.Recoding	
			MDS_SHD.C04							1.Recoding	
			MDS_SHD.C06							1.Recoding	

## BMW V46.10 Diagnostics List (Note: For reference only)

Menu				Functions								
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others	
	E63/E64		M_SHD.C07							1.Recoding		
			MPM.C01								1.Recoding	
			SBSL_E60.C04								1.Recoding	
			SBSL_E60.C05								1.Recoding	
			SBSR_E60.C04								1.Recoding	
			SBSR_E60.C05								1.Recoding	
			SFZ_E60.C03								1.Recoding	
			SFZ_E60.C04								1.Recoding	
			SFZ_E60.C05								1.Recoding	
			SFZ_E60.C06								1.Recoding	
			SFZ_E60.C07								1.Recoding	
			SFZ_E60.C08								1.Recoding	
			SFZ_E60.C09								1.Recoding	
			SGM.C0A								1.Recoding	
			SGM.C0B								1.Recoding	
			SGM.C0C								1.Recoding	
			SGM.C0D								1.Recoding	
			SMCDS_LI.C04								1.Recoding	
			SMCDS_LI.C06								1.Recoding	
			SMCDS_LI.C07								1.Recoding	
			SMCDS_RE.C04								1.Recoding	
			SMCDS_RE.C06								1.Recoding	
			SMCDS_RE.C07								1.Recoding	
			SZL_E60.C04								1.Recoding	
			SZL_E60.C05								1.Recoding	
			SZL_E60.C06								1.Recoding	
			SZL_E60.C07								1.Recoding	
			TE_BFT.C05								1.Recoding	
		TE_BFT.C06								1.Recoding		

## BMW V46.10 Diagnostics List (Note: For reference only)

Menu				Functions									
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others		
6 Series			TE_BFT.C07							1.Recoding			
			TE_BFT.C08							1.Recoding			
			TE_FAT.C05								1.Recoding		
			TE_FAT.C06								1.Recoding		
			TE_FAT.C07								1.Recoding		
			TE_FAT.C08								1.Recoding		
			ULF_MOST.C02									1.Recoding	
			ULF_MOST.C03									1.Recoding	
			ULF_MOST.C05									1.Recoding	
			ULF2MOST.C10									1.Recoding	
			TCU_JAPN.C01									1.Recoding	
			AFS.C03									1.Recoding	
			AFS.C04									1.Recoding	
			AFS_60.C05									1.Recoding	
			AFS_60.C06									1.Recoding	
			AMP_TOP.C02									1.Recoding	
			AMP_TOP.C03									1.Recoding	
			ARS.C0B									1.Recoding	
			ARS.C0C									1.Recoding	
			ARS.C0D									1.Recoding	
			ARS.C0E									1.Recoding	
			ARS.C0F									1.Recoding	
			ULF2MOST.C11									1.Recoding	
			ULF2MOST.C13									1.Recoding	
			DDE626.C06									1.Recoding	
			DDE626.C09									1.Recoding	
			DDE626.C0A									1.Recoding	
			DDE626.C0C									1.Recoding	
DDE626.C0D									1.Recoding				

## BMW V46.10 Diagnostics List (Note: For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			DDE626.C0E							1.Recoding	
			DDE71.C04							1.Recoding	
			DDE71.C05							1.Recoding	
			DDE71.C06							1.Recoding	
			CBFS_PLX.C15							1.Recoding	
			DWA_63.C03							1.Recoding	
			DWA_63.C04							1.Recoding	
			DWA_63.C05							1.Recoding	
			DWA_63.C07							1.Recoding	
			CAS3.C07							1.Recoding	
			CAS3.C08							1.Recoding	
			CAS3.C09							1.Recoding	
			CIC.C09							1.Recoding	
			CIC.C10							1.Recoding	
			CIC.C11							1.Recoding	
			CIC.C0A							1.Recoding	
			CIC.C0D							1.Recoding	
			CIC.C0E							1.Recoding	
			CIC.C0F							1.Recoding	
			CID_90.C02							1.Recoding	
			CID_90.C0B							1.Recoding	
			CID_90.C0C							1.Recoding	
			CID_90.C0D							1.Recoding	
			CID_90.C0F							1.Recoding	
			CCC_ANT.C0A							1.Recoding	
			CCC_ANT.C0B							1.Recoding	
			CCC_ANT.C0C							1.Recoding	
			DWASINE.C05							1.Recoding	
			EHB_60.C04							1.Recoding	

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			EHB_60.C05							1.Recoding	
			EHC_65I6.C04							1.Recoding	
			EHC_65I6.C10							1.Recoding	
			EHC_65I6.C11							1.Recoding	
			EHC_65I6.C13							1.Recoding	
			EKPM60_3.C11							1.Recoding	
			EKPM60_3.C12							1.Recoding	
			EKPM60_3.C13							1.Recoding	
			CFAS_PLX.C15							1.Recoding	
			FLA_E65.C03							1.Recoding	
			FLA_E65.C04							1.Recoding	
			FLA_E65.C05							1.Recoding	
			GWS_60.C08							1.Recoding	
			GWS_60.C09							1.Recoding	
			GWS_60.C0A							1.Recoding	
			GWS_60.C05							1.Recoding	
			GWS_60.C06							1.Recoding	
			GWS_60.C07							1.Recoding	
			AMPH56.C02							1.Recoding	
			KGM.C04							1.Recoding	
			KGM.C05							1.Recoding	
			LM_AHL.C20							1.Recoding	
			LM_AHL.C21							1.Recoding	
			MASK_E60.C0D							1.Recoding	
			MASK_E60.C0E							1.Recoding	
			MASK_E60.C0F							1.Recoding	
			SZL_E60.C23							1.Recoding	
			SZL_E60.C24							1.Recoding	
			TLC_E60.C01							1.Recoding	

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			TLC_E60.C02							1.Recoding	
			TLC_E60.C03							1.Recoding	
			ZBE_60_2.C04							1.Recoding	
			ZBE_60_2.C05							1.Recoding	
			Car Key Memory\IHKA\Recirculated air memory							1.Active 2.Not active	
			Car Key Memory\IHKA\ A/C off with auto							1.Active 2.Not active	
			Car Key Memory\IHKA\ A/C Off Memory\Key 1							1.Active 2.Not active	
			Car Key Memory\IHKA\ A/C Off Memory\Key 2							1.Active 2.Not active	
			Car Key Memory\IHKA\ A/C Off Memory\Key 3							1.Active 2.Not active	
			Car Key Memory\IHKA\ A/C Off Memory\Key 4							1.Active 2.Not active	
			Car Key Memory\IHKA\Set Fan Power\Key 1							1.Not active 2.Raise 3.Lower	
			Car Key Memory\IHKA\Set Fan Power\Key 2							1.Not active 2.Raise 3.Lower	
			Car Key Memory\IHKA\Set Fan Power\Key 3							1.Not active 2.Raise 3.Lower	
			Car Key Memory\IHKA\Set Fan Power\Key 4							1.Not active 2.Raise 3.Lower	

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			Car Key Memory\IHKA\Correction Set Temperature\Key 1							1.Not active 2.+1 3.+2 4.+3 5.-1 6.-2 7.-3	
			Car Key Memory\IHKA\Correction Set Temperature\Key 2							1.Not active 2.+1 3.+2 4.+3 5.-1 6.-2 7.-3	
			Car Key Memory\IHKA\Correction Set Temperature\Key 3							1.Not active 2.+1 3.+2 4.+3 5.-1 6.-2 7.-3	
			Car Key Memory\IHKA\Correction Set Temperature\Key 4							1.Not active 2.+1 3.+2 4.+3 5.-1 6.-2 7.-3	



## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			Car Key Memory\LSZ/LCM [Light switching center]\Exterior lighting\Day time running lights(ECE)							1.Active 2.Not active	
			Car Key Memory\LSZ/LCM [Light switching center]\Exterior lighting\Day time running lights(US)							1.Active 2.Not active	
			Car Key Memory\LSZ/LCM [Light switching center]\Interior lighting\Home lights duration							1.Not active 2.40 seconds 3.90 seconds 4.150 seconds 5.240 seconds	
			Car Key Memory\DWAI[BURGLAR ALARM SYSTEM]\Compartment sensor							1.Active 2.Not active	
			Car Key Memory\DWAI[BURGLAR ALARM SYSTEM]\Tilt sensor							1.Active 2.Not active	
			Car Key Memory\DWAI[BURGLAR ALARM SYSTEM]\Arm visually							1.Active 2.Not active	
			Car Key Memory\DWAI[BURGLAR ALARM SYSTEM]\Arm acoustically							1.Active 2.Not active	
			Car Key Memory\DWAI[BURGLAR ALARM SYSTEM]\Arm visually doors/lids closed							1.Active 2.Not active	
			Car Key Memory\DWAI[BURGLAR ALARM SYSTEM]\Arm acoustically doors/lids closed							1.Active 2.Not active	
			Car Key Memory\DWAI[BURGLAR ALARM SYSTEM]\Disarm visually							1.Active 2.Not active	

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			Car Key Memory\DWAI[BURGLAR ALARM SYSTEM]\Disarm acoustically							1.Active 2.Not active	
			Car Key Memory\CAS[Car Access System]\Convenient opening rc							1.Active 2.Not active	
			Car Key Memory\CAS[Car Access System]\Convenient closing rc							1.Active 2.Not active	
			Car Key Memory\CAS[Car Access System]\Activating and deactivating dwa							1.Rc only 2.Key and rc	
			Car Key Memory\CAS[Car Access System]\Open tailgate type1							1.Always 2.If double unlocked	
			Car Key Memory\CAS[Car Access System]\Open tailgate type2							1.Always 2.If double unlocked	
			Car Key Memory\CAS[Car Access System]\Automatic locking\Car							1.Active 2.Not active	
			Car Key Memory\CAS[Car Access System]\Automatic locking\Key 1							1.Active 2.Not active	
			Car Key Memory\CAS[Car Access System]\Automatic locking\Key 2							1.Active 2.Not active	
			Car Key Memory\CAS[Car Access System]\Automatic locking\Key 3							1.Active 2.Not active	
			Car Key Memory\CAS[Car Access System]\Automatic locking\Key 4							1.Active 2.Not active	
			Car Key Memory\CAS[Car Access System]\Selective central locking /convenient access\Car							1.Active 2.Not active	

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			Car Key Memory\CAS[Car Access System]\Selective central locking /convenient access\Key 1							1.Active 2.Not active	
			Car Key Memory\CAS[Car Access System]\Selective central locking /convenient access\Key 2							1.Active 2.Not active	
			Car Key Memory\CAS[Car Access System]\Selective central locking /convenient access\Key 3							1.Active 2.Not active	
			Car Key Memory\CAS[Car Access System]\Selective central locking /convenient access\Key 4							1.Active 2.Not active	
			Car Key Memory\KBM[Body Basic module]\One touch open							1.Active 2.Not active	
			Car Key Memory\KBM[Body Basic module]\One touch close							1.Active 2.Not active	
			Car Key Memory\TMBT[Passenger Door Module]\One touch open							1.Active 2.Not active	
			Car Key Memory\TMBT[Passenger Door Module]\One touch close							1.Active 2.Not active	
			Car Key Memory\TMBT[Passenger Door Module]\Passenger's side							1.Active 2.Not active	
			Car Key Memory\TMBT[Drivers Door Module]\One touch open							1.Active 2.Not active	
			Car Key Memory\TMBT[Drivers Door Module]\One touch close							1.Active 2.Not active	
			Car Key Memory\TMBT[Drivers Door Module]\driver's side							1.Active 2.Not active	

## BMW V46.10 Diagnostics List (Note: For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			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 9.Vehicle inspection 10.Exhaust emission inspection	
			Maintenance							1.Delete transport mode	
			Service functions							1.Adjustment, Steering-angle sensor	
			CAS Car Access System	√	√	√	√	√			

## BMW V46.10 Diagnostics List (Note: For reference only)

Menu				Functions								
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others	
		Driver	DME/DDE Digital motor/Diesel electronics	√	√	√	√	√		1. Battery management 2. Fuel injector test 3. Fuel injector adaptation 4. Swirl flap 5. Rail pressure regulating valve 6. Fuel pump 7. Mean quantity 8. EGR matching 9. Smooth running control 10. Valvetronic adaptation limit positions 11. Throttle valve actuator 12. Accelerator pedal module		
			DME2 Digital Motor Electronics 2	√	√	√	√	√				
			EKPS Electronic Fuel pump	√	√	√	√	√				
			EGS/SMG Transmission management	√	√	√	√	√				
			VTG Transfer case	√	√	√	√	√				
			EME Electrical machine electronics	√	√	√	√	√				
			GWS Gear selector switch	√	√	√	√	√				
			SME Accumulator management electronics	√	√	√	√	√				
			AL Active steering	√	√	√	√	√				
			ICM Integrated chassis management	√	√	√	√	√				
			RDC Tyre pressure control	√	√	√	√	√				
			DSC Dynamic Stability Control	√	√	√	√	√			Brake bleeding procedure	

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
		Chassis	EMF Parking brake	√	√	√	√	√		EMF workshop mode	
			HSR Rear-axle slip-angle control	√	√	√	√	√			
			EPS Electronic Power Steering	√	√	√	√	√			
			EHC Electronic Ride-Height Control	√	√	√	√	√			
			VDM Vertical Dynamics Management	√	√	√	√	√			
			EDCSVL Damper satellite, front left	√	√	√	√	√			
			EDCSVR Damper satellite, front right	√	√	√	√	√			
			EDCSHL Damper satellite, rear left	√	√	√	√	√			
			EDCSHR Damper satellite, rear right	√	√	√	√	√			
		JBE Junction-box electronics	√	√	√	√	√			1.Power window initialisations 2.Rain sensor initialisation	
		ACSM Crash Safety Module	√	√	√	√	√				
		SZL Switch center steering column	√	√	√	√	√			Steering wheel angle sensor adjustment	
		TR SVC All round view camera	√	√	√	√	√				
		SWW Lane change warning	√	√	√	√	√				
		ZGM Central Gateway Module	√	√	√	√	√				
		RSE Rear Seat Entertainment	√	√	√	√	√				
		TCU/ULF Telephone	√	√	√	√	√				
		HUD Head-Up Display	√	√	√	√	√				
		VSW video switch	√	√	√	√	√				
		SEC Supplementary control unit	√	√	√	√	√				
		SEC2 Supplementary control unit 2	√	√	√	√	√				
		VM Video Module	√	√	√	√	√				
		EMALI Left electric motor reel	√	√	√	√	√				
		EMARE Right electric motor reel	√	√	√	√	√				

## BMW V46.10 Diagnostics List (Note: For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
		Body	FZD Function centre, roof	√	√	√	√	√		Sunroof initialisation	
			NVE Night Vision Electronics	√	√	√	√	√			
			KAFAS Camera based driver assist systems	√	√	√	√	√			
			FLA High Beam Assist	√	√	√	√	√			
			INSTR Instrument cluster	√	√	√	√	√			
			CIC/CHAMP Car headunit platform	√	√	√	√	√			
			PDC Park Distance Control	√	√	√	√	√			
			CON Controller	√	√	√	√	√			
			FCON Rear Compartment controller	√	√	√	√	√			
			SMFAH Seat module, driver's side rear	√	√	√	√	√			Normalisation of seat
			SMBFH Seat module, passenger's side rear	√	√	√	√	√			Normalisation of seat
			HKL Rear-lid lift	√	√	√	√	√			
			SMFA Seat module, driver	√	√	√	√	√			
			SMBF Seat module, passenger	√	√	√	√	√			Normalisation of seat
			AHM Trailer module	√	√	√	√	√			
			FRM Footwell Module	√	√	√	√	√			Power window initialisations
			CID Central Information Display	√	√	√	√	√			
			FD Rear compartment display	√	√	√	√	√			
			FD2 Rear compartment display 2	√	√	√	√	√			
			RFK Reversing camera	√	√	√	√	√			
			IHKA Integrated automatic heating/air conditioning	√	√	√	√	√			
			FKA Rear-cabin automatic A/C	√	√	√	√	√			
			HKA Rear-cabin automatic A/C	√	√	√	√	√			
			CVM Convertible-top module	√	√	√	√	√			

## BMW V46.10 Diagnostics List (Note:For reference only)

BMW V46.10 Diagnostics List <small>(Note:For reference only)</small>											
Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			AMP Amplifier	√	√	√	√	√			
			PMA Parking assistant	√	√	√	√	√			
			CBX-ECALL ComBox emergency call	√	√	√	√	√			
			CANSIN Anti_theft alarm system	√	√	√	√	√			
		Short test		√	√	√					
		Coding / Program	Maintenance \ CBS Reset \ Software reset							1.Engine Oil 2.Front barke 3.Rear brake 4.Vehicle check 5.Brake fluid 6.Vehicle inspection 7.Exhaust emission inspection	



## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
E23	Driver	DME Digital Motor Electronics		√	√	√	√	√		1.Clear Adaptations 2.DME/DDE-EWS adjustment 3.CO adjustment 4.Smooth running measurement 5.Tank Leakage System Check 6.Secondary Air System Check 7.Status Diagnosis Functions 8.OBD Readiness Display 9.Idle speed adjustment 10.Program All Adjustments 11.Operation On Roller Dvnamometer	
		EGS Transmission control		√	√	√	√	√			
		EWS (Elec. immobilize system)		√	√	√	√	√			
		ABS Antilock brake		√	√	√	√	√		1.TEST PROCEDURES 2.BLEEDING THE ABS/ASC HYDRAULIC SYSTEM 3.RESET ABS MOTOR RELAY CLOCK COUNTER	
		EHC/EDC (Signal-axle air suspension)		√	√	√	√	√			
		ADS Throttle-Valve Control		√	√	√	√	√			
	AHK (Active-Axle Kinematics)		√	√	√	√	√				
	CVM Convertible-top module		√	√	√	√	√				

## BMW V46.10 Diagnostics List (Note: For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
		Body	DWA Antitheft alarm system	√	√	√	√	√			
			EKM (Electronic Body Module)	√	√	√	√	√			
			EML (Elec. throttle)	√	√	√	√	√			
			FHK (Rear Heater A/C System)	√	√	√	√	√			
			GR (Cruise control)	√	√	√	√	√			
			GSA (Closed-Loop-Controlled Differential-Lock AWD)	√	√	√	√	√			
			IHKA/IHKR (AC/heater)	√	√	√	√	√			
			IKE/IKI/KOMBI	√	√	√	√	√			
			LSZ/LCM (Light switching center)	√	√	√	√	√			
			MID (Multi Information Display)	√	√	√	√	√			
			PDC Park Distance Control	√	√	√	√	√			
			RAD (Radio)	√	√	√	√	√			
			SHD Sliding/tilting sunroof	√	√	√	√	√			
			SPM/SM	√	√	√	√	√			
			SRS (Air bag)	√	√	√	√	√			
			URS (Rollover sensor)	√	√	√	√	√			
			VMX (Top-speed Regulation)	√	√	√	√	√			
			VNC (Variable Camshaft Control)	√	√	√	√	√			
			XEN (XENON LIGHTS)	√	√	√	√	√			
			ZKE (Central body electronic)	√	√	√	√	√			
		Short test		√	√	√					
		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 V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
E32		Driver	DME Digital Motor Electronics	√	√	√	√	√		1.Clear Adaptations 2.DME/DDE-EWS adjustment 3.CO adjustment 4.Smooth running measurement 5.Tank Leakage System Check 6.Secondary Air System Check 7.Status Diagnosis Functions 8.OBD Readiness Display 9.Idle speed adjustment 10.Program All Adjustments 11.Operation On Roller Dvnamometer	
			EGS Transmission control	√	√	√	√	√			
			EWS (Elec. immobilize system)	√	√	√	√	√			
		Chassis	ABS Antilock brake	√	√	√	√	√		1.TEST PROCEDURES 2.BLEEDING THE ABS/ASC HYDRAULIC SYSTEM 3.RESET ABS MOTOR RELAY CLOCK COUNTER	
			EHC/EDC (Signal-axle air suspension)	√	√	√	√	√			
			ADS Throttle-Valve Control	√	√	√	√	√			
			AHK (Active-Axle Kinematics)	√	√	√	√	√			
			CVM Convertible-top module	√	√	√	√	√			

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
		Body	DWA Antitheft alarm system	√	√	√	√	√			
			EKM (Electronic Body Module)	√	√	√	√	√			
			EML (Elec. throttle)	√	√	√	√	√			
			FHK (Rear Heater A/C System)	√	√	√	√	√			
			GR (Cruise control)	√	√	√	√	√			
			GSA (Closed-Loop-Controlled Differential-Lock AWD)	√	√	√	√	√			
			IHKA/IHKR (AC/heater)	√	√	√	√	√			
			IKE/IKI/KOMBI	√	√	√	√	√			
			LSZ/LCM (Light switching center)	√	√	√	√	√			
			MID (Multi Information Display)	√	√	√	√	√			
			PDC Park Distance Control	√	√	√	√	√			
			RAD (Radio)	√	√	√	√	√			
			SHD Sliding/tilting sunroof	√	√	√	√	√			
			SPM/SM	√	√	√	√	√			
			SRS (Air bag)	√	√	√	√	√			
			URS (Rollover sensor)	√	√	√	√	√			
			VMX (Top-speed Regulation)	√	√	√	√	√			
			VNC (Variable Camshaft Control)	√	√	√	√	√			
			XEN (XENON LIGHTS)	√	√	√	√	√			
			ZKE (Central body electronic)	√	√	√	√	√			
		Short test		√	√	√					
		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 V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
		Driver	DME Digital Motor Electronics	√	√	√	√	√		1.Clear Adaptations 2.DME/DDE-EWS adjustment 3.CO adjustment 4.Smooth running measurement 5.Tank Leakage System Check 6.Secondary Air System Check 7.Status Diagnosis Functions 8.OBD Readiness Display 9.Idle speed adjustment 10.Program All Adjustments 11.Operation On Roller Dynamometer or 1.Idle speed 2.Exhaust-gas recirculation 3.Start basic injection quantity 4.Limitation delivery 5.Injection rate 6.Consumption calculation 7.Injector rate adjustment	
			EGS Transmission control	√	√	√	√	√			
			EWS (Elec. immobilize system)	√	√	√	√	√			

## BMW V46.10 Diagnostics List (Note: For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
		Chassis	ABS Antilock brake	√	√	√	√	√		1.TEST PROCEDURES 2.BLEEDING THE ABS/ASC HYDRAULIC SYSTEM 3.RESET ABS MOTOR RELAY CLOCK COUNTER	
			EHC/EDC (Signal-axle air suspension)	√	√	√	√	√			
			LEW (Steering-angle sensor)	√	√	√	√	√			
			MFL (Multi-function steering wheel)	√	√	√	√	√			
		Body	AIC (Automatic Interval Control)	√	√	√	√	√			
			BM (On-board monitor)	√	√	√	√	√			
			EML (Elec. throttle)	√	√	√	√	√			
			GR (Cruise control)	√	√	√	√	√			
			IHKA/IHKB (AC/heater)	√	√	√	√	√			
			IKE/IKI/KOMBI	√	√	√	√	√		1.Reset service interval indicator	
			LSZ/LCM (Light switching center)	√	√	√	√	√			
			MID (Multi Information Display)	√	√	√	√	√			
			NAV Navigation system	√	√	√	√	√			
			PDC Park Distance Control	√	√	√	√	√			
			RAD (Radio)	√	√	√	√	√			
			SES (Language-input system)	√	√	√	√	√			
			SHD Sliding/tilting sunroof	√	√	√	√	√			
			SPM/SM	√	√	√	√	√			
			SRS (Air bag)	√	√	√	√	√			
			SZM (Switching center, center console)	√	√	√	√	√			
		VID (Video Module)	√	√	√	√	√				
		DSP (Digital Sound Processor)	√	√	√	√	√				

## BMW V46.10 Diagnostics List (Note: For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			STH (Park heating)	√	√	√	√	√			
			ZKE (Central body electronic)	√	√	√	√	√			
		Short test		√	√	√					
			Airbag Code Index 02 Code Index 07 Code Index 10							1. Recoding	
			ABS with automatic stability control Code Index 01							1. Recoding	
			Dynamic stability control Code Index 10							1. Recoding	
			Check control module Code Index 04							1. Recoding	
			Immobiliser Code Index 01 Code Index 02 Code Index 81							1. Recoding	
			Central Body Electronic Code Index 01 Code Index 04 Code Index 05 Code Index 10							1. Recoding	
			Cruise control Code Index 01							1. Recoding	

## BMW V46.10 Diagnostics List (Note: For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			GT								
			Code Index 01							1. Recoding	
			Code Index 02								
			Code Index 03								
			Code Index 04								
			Code Index 05								
			Code Index 06								
			Code Index 07								
			Boot lid module							1. Recoding	
			Code Index 01								
			Instrument cluster							1. Recoding	
			Code Index 12								
			Lamp control module								
			Code Index 18								
			Code Index 21							1. Recoding	
			Code Index 22								
			Code Index 23								
			Code Index 24								
			Steering-angle sensor							1. Recoding	
			Code Index 01								
			Park distance control								
			Code Index 01							1. Recoding	
			Code Index 03								
			Sunroof module								
			Code Index 01								
			Code Index 02							1. Recoding	
			Code Index 03								
			Code Index 04								
			Seat module								
			Code Index 02							1. Recoding	
			Basic telephone interface								
			Code Index 02							1. Recoding	



## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			TV							1. Recoding	
			Code Index 02							1. Recoding	
			ASC5. C06							1. Recoding	
			DSC. C01							1. Recoding	
			KMBI_E38. C10							1. Recoding	
			KMBI_E38. C11							1. Recoding	
			EML. C01							1. Recoding	
			FGR2. C04							1. Recoding	
			FGR2. C05							1. Recoding	
			IHK_E38. C01							1. Recoding	
			IHK_E38. C02							1. Recoding	
			IKE. C02							1. Recoding	
			IKE. C03							1. Recoding	
			IKE. C05							1. Recoding	
			LCM. C14							1. Recoding	
			LCM. C15							1. Recoding	
			LCM. C16							1. Recoding	
			LCM. C17							1. Recoding	
			LM. C03							1. Recoding	
			MRSZ. C06							1. Recoding	
			TV1. C01							1. Recoding	
			ZAE2. C03							1. Recoding	
			ZAE2. C05							1. Recoding	
			Car Key Memory\IHKA/ IHKR[A/C heater]\Recirculated air memory							1.Active 2.Not active	
			Car Key Memory\IHKA/ IHKR[A/C heater]\Temperature unit							1.°C 2.°F	

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			Car Key Memory\KOM [Instrument cluster]\Language							1.German 2.English UK 3.English US 4.Italian 5.Spanish 6.Japanese 7.French 8.English (CDN) 9.Gulf states 10. ---	
			Car Key Memory\KOM [Instrument cluster]\Temperature							1.°C 2.°F	
			Car Key Memory\KOM [Instrument cluster]\Outside temperature warning							1.Active 2.Not active	
			Car Key Memory\KOM [Instrument cluster]\Distance							1.KM 2.MLS	
			Car Key Memory\KOM [Instrument cluster]\Time							1.24H 2.12H	
			Car Key Memory\KOM [Instrument cluster]\Fuel consumption							1.1/100KM 2.MPG(UK) 3.MPG(US) 4.Km/litre	
			Car Key Memory\LSZ/LCM [Light switching center]\Key in ignition warning(if door is opened)							1.Active 2.Not active	
			Car Key Memory\LSZ/LCM [Light switching center]\Day time running lights							1.Active 2.Not active	

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
E38			Car Key Memory\LSZ/LCM [Light switching center]\Day time running lights(ECE)							1.Active 2.Not active	
			Car Key Memory\LSZ/LCM [Light switching center]\Day time running lights(US)							1.Active 2.Not active	
			Car Key Memory\LSZ/LCM [Light switching center]\Home lights							1.Not active 2.40 Seconds 3.90 Seconds 4.150 Seconds 5.240 Seconds	
			Car Key Memory\LSZ/LCM [Light switching center]\Home lights with dipped beam							1.Active 2.Not active	
			Car Key Memory\LSZ/LCM [Light switching center]\Home lights with front sidelights							1.Active 2.Not active	
			Car Key Memory\LSZ/LCM [Light switching center]\Home lights with instrument lights							1.Active 2.Not active	
			Car Key Memory\LSZ/LCM [Light switching center]\Home lights with license plate							1.Active 2.Not active	
			Car Key Memory\LSZ/LCM [Light switching center]\Home lights with front fog lights							1.Active 2.Not active	
			Car Key Memory\LSZ/LCM [Light switching center]\Home lights with main beam							1.Active 2.Not active	

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions								
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others	
		Coding / Program	Car Key Memory\LSZ/LCM [Light switching center]\Home lights with brake lights							1.Active 2.Not active		
			Car Key Memory\LSZ/LCM [Light switching center]\Key in ignition warning(if door is opened)								1.Active 2.Not active	
			Car Key Memory\PDC [Park Distance Control]\Rear volume								1.Stage 1 2.Stage 2 3.Stage 3 4.Stage 4 5.Stage 5 6.Stage 6	
			Car Key Memory\ZKE [Central Body Electronic] \Burglar alarm system\Compartment sensor,front passenger								1.Active 2.Not active	
			Car Key Memory\ZKE [Central Body Electronic] \Burglar alarm system\Passenger compartment sensor back(touring)								1.Active 2.Not active	
			Car Key Memory\ZKE [Central Body Electronic] \Burglar alarm system\Tilt sensor								1.Active 2.Not active	
			Car Key Memory\ZKE [Central Body Electronic] \Burglar alarm system\Activating and deactivating dwa								1.RC ONLY 2.KEY AND RC	

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			Car Key Memory\ZKE [Central Body Electronic] \Burglar alarm system\Disarm visually							1.Active 2.Not active	
			Car Key Memory\ZKE [Central Body Electronic] \Burglar alarm system\Disarm acoustically							1.Active 2.Not active	
			Car Key Memory\ZKE [Central Body Electronic] \Burglar alarm system\Arm visually							1.Active 2.Not active	
			Car Key Memory\ZKE [Central Body Electronic] \Burglar alarm system\Arm acoustically							1.Active 2.Not active	
			Car Key Memory\ZKE [Central Body Electronic] \Burglar alarm system\Arm acknowledgement when all doors/lids closed							1.Active 2.Not active	
			Car Key Memory\ZKE [Central Body Electronic] \Burglar alarm system\Acknowledgement without dwa							1.Active 2.Not active	
			Car Key Memory\ZKE [Central Body Electronic] \Central locking\Rc interior light							1.Active 2.Not active	
			Car Key Memory\ZKE [Central Body Electronic] \Central locking\Rc panic mode							1.Active 2.Not active	

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			Car Key Memory\ZKE [Central Body Electronic] \Central locking\Open luggage compartment via remote control							1.Active 2.Not active	
			Car Key Memory\ZKE [Central Body Electronic] \Central locking\Relock 2 minimum after unlocking							1.Active 2.Not active	
			Car Key Memory\ZKE [Central Body Electronic] \Central locking\Automatic locking							1.Active 2.Not active	
			Car Key Memory\ZKE [Central Body Electronic] \Central locking\Automatic locking(key 1)							1.Active 2.Not active	
			Car Key Memory\ZKE [Central Body Electronic] \Central locking\Automatic locking(key 2)							1.Active 2.Not active	
			Car Key Memory\ZKE [Central Body Electronic] \Central locking\Automatic locking(key 3)							1.Active 2.Not active	
			Car Key Memory\ZKE [Central Body Electronic] \Central locking\Automatic locking(key 4)							1.Active 2.Not active	

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			Car Key Memory\ZKE [Central Body Electronic] \Central locking\Automatic locking speed							1.0 KM/H 2.4 KM/H 3.8 KM/H 4.12 KM/H 5.16 KM/H 6.20 KM/H 7.24 KM/H 8.28 KM/H	
			Car Key Memory\ZKE [Central Body Electronic] \Central locking\Automatic relocking							1.Active 2.Not active	
			Car Key Memory\ZKE [Central Body Electronic] \Central locking>Selective central locking							1.Active 2.Not active	
			Car Key Memory\ZKE [Central Body Electronic] \Central locking>Selective central locking(key 1)							1.Active 2.Not active	
			Car Key Memory\ZKE [Central Body Electronic] \Central locking>Selective central locking(key 2)							1.Active 2.Not active	
			Car Key Memory\ZKE [Central Body Electronic] \Central locking>Selective central locking(key 3)							1.Active 2.Not active	

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			Car Key Memory\ZKE [Central Body Electronic] \Central locking>Selective central locking(key 4)							1.Active 2.Not active	
			Car Key Memory\ZKE [Central Body Electronic] \Window regulators/slide /tilt sunroof\Window deactivation condition							1.Open door 2.Close door	
			Car Key Memory\ZKE [Central Body Electronic] \Window regulators/slide /tilt sunroof\One touch open,driver's window							1.Active 2.Not active	
			Car Key Memory\ZKE [Central Body Electronic] \Window regulators/slide /tilt sunroof\One touch close,driver's window							1.Active 2.Not active	
			Car Key Memory\ZKE [Central Body Electronic] \Window regulators/slide /tilt sunroof\One touch open,passenger's window							1.Active 2.Not active	
			Car Key Memory\ZKE [Central Body Electronic] \Window regulators/slide /tilt sunroof\One touch close,passenger's window							1.Active 2.Not active	



## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			Car Key Memory\ZKE [Central Body Electronic] \Window regulators/slide /tilt sunroof\One touch open,rear windows							1.Active 2.Not active	
			Car Key Memory\ZKE [Central Body Electronic] \Window regulators/slide /tilt sunroof\One touch close,rear windows							1.Active 2.Not active	
			Car Key Memory\ZKE [Central Body Electronic] \Window regulators/slide /tilt sunroof\One touch open sunroof							1.Active 2.Not active	
			Car Key Memory\ZKE [Central Body Electronic] \Window regulators/slide /tilt sunroof\One touch close sunroof							1.Active 2.Not active	
			Car Key Memory\ZKE [Central Body Electronic] \Window regulators/slide /tilt sunroof\Convenient closing rc							1.Active 2.Not active	
			Car Key Memory\ZKE [Central Body Electronic] \Window regulators/slide /tilt sunroof\Convenient opening rc							1.Active 2.Not active	

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			Car Key Memory\ZKE [Central Body Electronic] \Window regulators/slide /tilt sunroof\Lower power window after trapping							1.Long 2.Short	
			Car Key Memory\ZKE [Central Body Electronic] \Interior lighting\Soft on/off							1.Active 2.Not active	
			Car Key Memory\ZKE [Central Body Electronic] \Windscreen wipers\Switch down when stationary							1.Active 2.Not active	
			Car Key Memory\ZKE [Central Body Electronic] \Windscreen wipers\Wipe interval when stationary							1.3 Seconds 2.5 Seconds	
			Service functions							1. Key Test 2. Display status of all keys 3. Disable/Enable key	
			CAS Car Access System	√	√	√	√	√	√	1.Personalisation key number 2.Disable_enable key 3.Reset internal ELV fault counter	

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			DDE Diesel Electronics	√	√	√	√	√	√	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	

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
7 Series		Driver	DME Digital Motor Electronics	√	√	√	√	√	√	1.DME-CAS adjustment 2.CO adjustment 3.Clear adaptations 4.Delete adaptations/variants 5.Idle speed adjustment 6.Consumption indicator adjustment 7.Learning Valvetronic limit positions 8.Venting, cooling system 9.Register battery change 10.Remove Valvetronic servomotor 11.OBD readiness codes 12.Regeneration, particulate filter 13.Exhaust VANOS test 14. Valvetronic adaptation limit positions	
			DME2 Digital Motor Electronics 2	√	√	√	√	√		1.Reset adaptation values 2.Reset learning functions	

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			EGS Transmission control	√	√	√	√	√	√	1.Reset adaptation values 2.Reset learning functions 3.Mechatronics adjustment 4.Oil-level adjustment 5.Oil lifetime 6.Teach in transmission 7.Teach in clutch slip 8.Reset clutch characteristic 9.Teach in valve characteristic curve 10.Parking lock, hook test 11.Parking lock, function test	
			EKPS Fuel-pump control	√	√	√	√	√	√		
			VTC Valvetronic	√	√	√	√	√			
			VTC2 Valvetronic 2	√	√	√	√	√			
			VTC2 Valvetronic, bank 2	√	√	√	√	√			
			ACC Active Cruise Control	√	√	√	√	√			
			ACC2 Active Cruise Control 2	√	√	√	√	√			
			ARS Dynamic Drive	√	√	√	√	√		Start startup Sensor values	
			ARS Dynamic Drive 2	√	√	√	√	√			
			CIM Chassis Integration Module	√	√	√	√	√		1.Calibration Steering Column 2.CIM adaptation	
			CIM2 Chassis Integration Module 2	√	√	√	√	√			

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu			Functions								
Series	Chassis	Module	Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others	
		Chassis	DSC Dynamic Stability Control	√	√	√	√	√	√	1.Bleeding DSC Hydraulics 2.Mix Up Check BrakeLines 3.Run flat indicator initialisation 4.Longitudinal acceleration sensor matching 5.DSC sensors check	
			EDC Damper Control	√	√	√	√	√		1.System startup after control unit change 2.Shock absorber adjustment 3.Shock absorber performance 4.Initial setting, switch-on state	
			EHC Electronic Ride-Height Control	√	√	√	√	√		1.Check Ride Level Sensors 2.Delete Energy Saving Mode 3.Check Air Supply System 4.Check Compressor Relay 5.Check Raise/lower Function	
			EMF Parking brake	√	√	√	√	√		1.Workshop braking-in 2.Assembly mode 3.Positioning-travel check	
			RDC Tyre pressure control	√	√	√	√	√			
			AHL Adaptive directional headlights	√	√	√	√	√			
			AHM Trailer module	√	√	√	√	√			
		AMP Amplifier	√	√	√	√	√				

## BMW V46.10 Diagnostics List (Note: For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			ANT Aerial/antenna tuner	√	√	√	√	√		Test AM/FM	
			ASK audio system controller	√	√	√	√	√			
			BZM Control centre, centre console	√	√	√	√	√			
			CA Comfort Access	√	√	√	√	√			
			CD Control Display	√	√	√	√	√			
			CD Control Display_GW	√	√	√	√	√			
			CEM Clean Energy Module	√	√	√	√	√			
			CDC CD Changer	√	√	√	√	√			
			CNAV Navigation system, China	√	√	√	√	√			
			CON Controller	√	√	√	√	√			
			DVD-C DVD Changer	√	√	√	√	√			
			DAB Digital tuner	√	√	√	√	√			
			DWA Antitheft alarm system	√	√	√	√	√			
			FBI Flexible Bus Interface	√	√	√	√	√			
			FBZM Rear compartment, control center, center console	√	√	√	√	√			
			FCON Rear Compartment controller	√	√	√	√	√			
			FD Rear-compartment display	√	√	√	√	√			
			FKA Rear heater/air conditioning	√	√	√	√	√		Drain/fill refrigerant circuit	
			FLA High Beam Assist	√	√	√	√	√			
			HKL Rear-lid lift	√	√	√	√	√			
			IBOC Digital tuner US	√	√	√	√	√			
			IHKA Integrated automatic heating/air conditioning	√	√	√	√	√		1.Flap motors 2.Coolant compressor	
			INSTR Instrument cluster	√	√	√	√	√	√		
			JNAV Navigation system, Japan	√	√	√	√	√			
			KHI Headset interface	√	√	√	√	√			
			KNAV Navigation system, Korea	√	√	√	√	√			
			LM Lights Module	√	√	√	√	√			

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions								
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others	
		Body	LM2 AHL2 Light module 2 with adaptive headlight 2	√	√	√	√	√				
			LM2 Light Module 2	√	√	√	√	√				
			LM2 Light Module 2 with adaptive headlight	√	√	√	√	√				
			NAV (Navigation system)	√	√	√	√	√			Initialisation	
			NVE Night Vision Electronics	√	√	√	√	√				
			NVK Night Vision camera	√	√	√	√	√				
			PDC Park Distance Control	√	√	√	√	√				
			PM Power Module	√	√	√	√	√			Register battery change	
			RLS Rain/Light Sensor	√	√	√	√	√			1.Initialize rain sensor	
			SASL Satellite, A-pillar, left	√	√	√	√	√				
			SASR Satellite, A-pillar, right	√	√	√	√	√				
			SBSL Satellite, B-pillar, left	√	√	√	√	√				
			SBSR Satellite, B-pillar, right	√	√	√	√	√				
			SDARS satellite tuner	√	√	√	√	√				
			SEC Supplementary control module	√	√	√	√	√				
			SEC2 Supplementary control unit 2	√	√	√	√	√				
			SFZ Satellite vehicle centre	√	√	√	√					
			SG-FD Control module, rear-compartment	√	√	√	√	√				
			SG-FD-GW Control module, rear-compartment	√	√	√	√	√				
			SGM-SIM Safety and Gateway Module (SIM)	√	√	√	√	√				
			SHD Sliding/tilting sunroof	√	√	√	√	√			1.Delivery position 2.Initialize slide_tilt sunroof	
			SHZH Independent/auxiliary heater	√	√	√	√	√				
			SIM Safety and Information Module	√	√	√	√	√				



## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			SINE Siren with tilt sensor	√	√	√	√	√			
			SMBF Seat module, passenger	√	√	√	√	√			
			SMFAH Seat module, driver's side rear	√	√	√	√	√			
			SMBFH Seat module, passenger's side rear	√	√	√	√	√			
			SSBF Satellite, seat, passenger	√	√	√	√				
			SSFA Satellite, seat, driver	√	√	√	√				
			SSH Satellite, seat, rear	√	√	√	√	√			
			STVL Satellite, door, front left	√	√	√	√	√		Windows initialisation	
			STVR Satellite, door, front right	√	√	√	√	√		Windows initialisation	
			SVS Language processing system	√	√	√	√	√			
			TEL Telephone	√	√	√	√	√			
			TMBFH Door module, passenger's side rear	√	√	√	√	√		1.Initialising the power windows	
			TMBFT Door module, passenger door	√	√	√	√	√		1.Initialising the power windows	
			TMFAH Door module, driver's side rear	√	√	√	√	√		1.Initialising the power windows	
			TMFAT Door module, driver's door	√	√	√	√	√		1.Initialising the power windows	
			VM Video Module	√	√	√	√	√			
			SMFA Seat module, driver	√	√	√	√	√			
			TCU Telematic Control unit	√	√	√	√	√			
			WIM Wiper module	√	√	√	√	√		1.Vent SRA 2.Assembly Position	
			ZGM Central Gateway Module	√	√	√	√	√		Start windows initialising	
			ZBM Two-battery management	√	√	√	√	√			
			Short test	√	√	√					

## BMW V46.10 Diagnostics List (Note: For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			ALC_KWP.C06							1.Recoding	
			ALC_KWP.C07							1.Recoding	
			ASK.C02							1.Recoding	
			ASK.C03							1.Recoding	
			ASK.C04							1.Recoding	
			ASK.C05							1.Recoding	
			CAS.C02							1.Recoding	
			CAS.C03							1.Recoding	
			CAS.C04							1.Recoding	
			CAS.C05							1.Recoding	
			CFAS_E65.C02							1.Recoding	
			CBFH_E65.C03							1.Recoding	
			CBFH_E65.C04							1.Recoding	
			CBFH_E65.C05							1.Recoding	
			CBFH_E65.C06							1.Recoding	
			CBFH_PLX.C10							1.Recoding	
			CBFH_PLX.C11							1.Recoding	
			CBFH_PLX.C12							1.Recoding	
			CBFH_PLX.C14							1.Recoding	
			CBFS_E65.C03							1.Recoding	
			CBFS_E65.C04							1.Recoding	
			CBFS_E65.C05							1.Recoding	
			CBFS_E65.C06							1.Recoding	
			CBFS_PLX.C10							1.Recoding	
			CBFS_PLX.C11							1.Recoding	
			CBFS_PLX.C12							1.Recoding	
			CBFS_PLX.C14							1.Recoding	
			CFAH_E65.C03							1.Recoding	
			CFAH_E65.C04							1.Recoding	

## BMW V46.10 Diagnostics List (Note: For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			CFAH_E65.C05							1.Recoding	
			CFAH_E65.C06							1.Recoding	
			CFAH_PLX.C10							1.Recoding	
			CFAH_PLX.C11							1.Recoding	
			CFAH_PLX.C12							1.Recoding	
			CFAH_PLX.C14							1.Recoding	
			CFAS_E65.C02_BFS							1.Recoding	
			CFAS_E65.C02_FAH							1.Recoding	
			CFAS_E65.C02_FAS							1.Recoding	
			CFAS_E65.C03							1.Recoding	
			CFAS_E65.C04							1.Recoding	
			CFAS_E65.C05							1.Recoding	
			CFAS_E65.C06							1.Recoding	
			CFAS_PLX.C10							1.Recoding	
			CFAS_PLX.C11							1.Recoding	
			CFAS_PLX.C12							1.Recoding	
			CFAS_PLX.C14							1.Recoding	
			CIM2.C04							1.Recoding	
			CIM.C03							1.Recoding	
			DWA_IRS.C03							1.Recoding	
			DWA_IRS.C05							1.Recoding	
			DWASINE.C02							1.Recoding	
			DWASINE.C03							1.Recoding	
			DWASINE.C04							1.Recoding	
			EDCK65.C19							1.Recoding	
			EHC_65I6.C03							1.Recoding	
			EHC_65I6.C04							1.Recoding	
			EHC_65I6.C10							1.Recoding	
			EHC_65I6.C11							1.Recoding	

## BMW V46.10 Diagnostics List (Note: For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			EK927. C0C							1.Recoding	
			EK928. C0C							1.Recoding	
			EK9282. C10							1.Recoding	
			EK9282. C12							1.Recoding	
			EMF_E65. C07							1.Recoding	
			FBI_E65. C02							1.Recoding	
			FLA_E65. C03							1.Recoding	
			FLA_E65. C04							1.Recoding	
			FLA_E65. C05							1.Recoding	
			GKE11P. C00							1.Recoding	
			GKE11P. C01							1.Recoding	
			GKE11P. C02							1.Recoding	
			HKA_E66. C01							1.Recoding	
			HKL. C02							1.Recoding	
			HKL. C03							1.Recoding	
			HKL. C04							1.Recoding	
			HKL. C05							1.Recoding	
			IHKA_E65. C03							1.Recoding	
			IHKA_E65. C04							1.Recoding	
			IHKA_E65. C05							1.Recoding	
			LM2_E6x. C32							1.Recoding	
			LM_E60. C0A							1.Recoding	
			LM_E60. C0B							1.Recoding	
			LM_E60. C0C							1.Recoding	
			LM_E60. C0D							1.Recoding	
			LM_E60. C0E							1.Recoding	
			LM_E65. C05							1.Recoding	
			LM_E65. C06							1.Recoding	
			MMC_E65. C01							1.Recoding	

## BMW V46.10 Diagnostics List (Note: For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			MSV70. C03							1.Recoding	
			NIVI. C04							1.Recoding	
			PDC_E65. C01							1.Recoding	
			PDC_E65. C02							1.Recoding	
			PGS. C03							1.Recoding	
			RLS_E65. C02							1.Recoding	
			RLS_E65. C06							1.Recoding	
			SGM. COC							1.Recoding	
			SGM. COD							1.Recoding	
			SHZH_E65. C02							1.Recoding	
			TAG_BH. C03							1.Recoding	
			TAG_BT. C03							1.Recoding	
			TAG_FH. C03							1.Recoding	
			TAG_FT. C03							1.Recoding	
			TE65_ECE. C02							1.Recoding	
			TE65_US. C01							1.Recoding	
			TMBT_E65. C03							1.Recoding	
			TMBT_E65. C04							1.Recoding	
			TMBT_E65. C05							1.Recoding	
			TMBTHE65. C03							1.Recoding	
			TMBTHE65. C04							1.Recoding	
			TMBTHE65. C05							1.Recoding	
			TMFT_E65. C03							1.Recoding	
			TMFT_E65. C04							1.Recoding	
			TMFT_E65. C05							1.Recoding	
			TMFTHE65. C03							1.Recoding	
			TMFTHE65. C04							1.Recoding	
			TMFTHE65. C05							1.Recoding	
			TUNERE65. C03							1.Recoding	

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions								
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others	
		Coding / Program	EK928. C01							1.Recoding		
			EK9282. C11							1.Recoding		
			EK9282. C18							1.Recoding		
			EK9282. C21							1.Recoding		
			EK9282. C22							1.Recoding		
			EK928. C0B							1.Recoding		
			ARS_70. C12							1.Recoding		
			CBFS_PLX. C15							1.Recoding		
			DWASINE. C05							1.Recoding		
			CFAS_PLX. C15							1.Recoding		
			LM2_E6x. C33							1.Recoding		
			LM2_E6x. C34							1.Recoding		
			LM2_E6x. C35							1.Recoding		
			M_SHD. C07							1.Recoding		
			MDS_SHD. C06							1.Recoding		
			WIM_E65. C03							1.Recoding		
			Car Key Memory\CAS[Car Access System]\Unlock,on removal of rc								1.Active 2.Not active	
			Car Key Memory\CAS[Car Access System]\Automatic locking\Car								1.Active 2.Not active	
			Car Key Memory\CAS[Car Access System]\Automatic locking\Key 1								1.Active 2.Not active	
			Car Key Memory\CAS[Car Access System]\Automatic locking\Key 2								1.Active 2.Not active	
			Car Key Memory\CAS[Car Access System]\Automatic locking\Key 3								1.Active 2.Not active	
			Car Key Memory\CAS[Car Access System]\Automatic locking\Key 4								1.Active 2.Not active	

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			Car Key Memory\CAS[Car Access System]\Relock 2 minutes after unlocking if doors unopened\Key 1							1.Active 2.Not active	
			Car Key Memory\CAS[Car Access System]\Relock 2 minutes after unlocking if doors unopened\Key 2							1.Active 2.Not active	
			Car Key Memory\CAS[Car Access System]\Relock 2 minutes after unlocking if doors unopened\Key 3							1.Active 2.Not active	
			Car Key Memory\CAS[Car Access System]\Relock 2 minutes after unlocking if doors unopened\Key 4							1.Active 2.Not active	
			Car Key Memory\CAS[Car Access System]\Selective central locking /convenient access\Car							1.Active 2.Not active	
			Car Key Memory\CAS[Car Access System]\Selective central locking /convenient access\Key 1							1.Active 2.Not active	
			Car Key Memory\CAS[Car Access System]\Selective central locking /convenient access\Key 2							1.Active 2.Not active	
			Car Key Memory\CAS[Car Access System]\Selective central locking /convenient access\Key 3							1.Active 2.Not active	
			Car Key Memory\CAS[Car Access System]\Selective central locking /convenient access\Key 4							1.Active 2.Not active	

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			Car Key Memory\DWAI[BURGLAR ALARM SYSTEM]\Compartment sensor							1.Active 2.Not active	
			Car Key Memory\DWAI[BURGLAR ALARM SYSTEM]\Tilt sensor							1.Active 2.Not active	
			Car Key Memory\DWAI[BURGLAR ALARM SYSTEM]\Arming/Disarming							1.Only with remote 2.With lock and remote	
			Car Key Memory\DWAI[BURGLAR ALARM SYSTEM]\Arm visually							1.Active 2.Not active	
			Car Key Memory\DWAI[BURGLAR ALARM SYSTEM]\Arm acoustically							1.Active 2.Not active	
			Car Key Memory\DWAI[BURGLAR ALARM SYSTEM]\Arm visually doors/lids closed							1.Active 2.Not active	
			Car Key Memory\DWAI[BURGLAR ALARM SYSTEM]\Arm acoustically doors/lids closed							1.Active 2.Not active	
			Car Key Memory\DWAI[BURGLAR ALARM SYSTEM]\Disarm visually							1.Active 2.Not active	
			Car Key Memory\DWAI[BURGLAR ALARM SYSTEM]\Disarm acoustically							1.Active 2.Not active	
			Car Key Memory\CIM[Chassis Integration Module]\Entrance aid,tilt direction							1.Active 2.Not active	
			Car Key Memory\CIM[Chassis Integration Module]\Longitudinal							1.Active 2.Not active	
			Car Key Memory\CIM[Chassis Integration Module]\Tilting							1.Active 2.Not active	



## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			Car Key Memory\TMBT[Passenger Door Module]\One touch open							1.Active 2.Not active	
			Car Key Memory\TMBT[Passenger Door Module]\One touch close							1.Active 2.Not active	
			Car Key Memory\TMBT[Passenger Door Module]\Passenger's side							1.Active 2.Not active	
			Car Key Memory\TMBT[Drivers Door Module]\One touch open							1.Active 2.Not active	
			Car Key Memory\TMBT[Drivers Door Module]\One touch close							1.Active 2.Not active	
			Car Key Memory\TMBT[Drivers Door Module]\driver's side							1.Active 2.Not active	
			Car Key Memory\IHKA\Key memory of heat/ac/ventilation							1.Active 2.Not active	
			Car Key Memory\IHKA\Recirculated air memory							1.Active 2.Not active	
			Car Key Memory\IHKA\Set fan power							1.Not active 2.Raise 3.Lower	
			Car Key Memory\IHKA\Correction set temperature							1.Not active 2.+1 3.+2 4.+3 5.-1 6.-2 7.-3	
			Car Key Memory\IHKA\A/C on with ignition on\Key 1							1.Active 2.Not active	

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			Car Key Memory\IHKA\A/C on with ignition on\Key 2							1.Active 2.Not active	
			Car Key Memory\IHKA\A/C on with ignition on\Key 3							1.Active 2.Not active	
			Car Key Memory\IHKA\A/C on with ignition on\Key 4							1.Active 2.Not active	
			Car Key Memory\IHKA\Auto fan control on with ignition on\Key 1							1.Active 2.Not active	
			Car Key Memory\IHKA\Auto fan control on with ignition on\Key 2							1.Active 2.Not active	
			Car Key Memory\IHKA\Auto fan control on with ignition on\Key 3							1.Active 2.Not active	
			Car Key Memory\IHKA\Auto fan control on with ignition on\Key 4							1.Active 2.Not active	
			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 particle filter	

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			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 9.Vehicle inspection 10.Exhaust emission inspection	
			Maintenance							1.Delete transport mode	
			Service functions							1.Adjustment, Steering-angle sensor	
			CAS Car Access System	√	√	√	√	√			

## BMW V46.10 Diagnostics List (Note: For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
		Driver	DME/DDE Digital motor/Diesel electronics	√	√	√	√	√		1. Battery management 2. Fuel injector test 3. Fuel injector adaptation 4. Swirl flap 5. Rail pressure regulating valve 6. Fuel pump 7. Mean quantity 8. EGR matching 9. Smooth running control 10. Valvetronic adaptation limit positions 11. Throttle valve actuator 12. Accelerator pedal module	
			DME2 Digital Motor Electronics 2	√	√	√	√	√			
			EKPS Electronic Fuel pump	√	√	√	√	√			
			EGS/SMG Transmission management	√	√	√	√	√			
			VTG Transfer case	√	√	√	√	√			
			EME Electrical machine electronics	√	√	√	√	√			
			GWS Gear selector switch	√	√	√	√	√			
			SME Accumulator management electronics	√	√	√	√	√			
			AL Active steering	√	√	√	√	√			
			ICM Integrated chassis management	√	√	√	√	√			
			RDC Tyre pressure control	√	√	√	√	√			
			DSC Dynamic Stability Control	√	√	√	√	√		Brake bleeding procedure	

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
		Chassis	EMF Parking brake	√	√	√	√	√		EMF workshop mode	
			HSR Rear-axle slip-angle control	√	√	√	√	√			
			EPS Electronic Power Steering	√	√	√	√	√			
			EHC Electronic Ride-Height Control	√	√	√	√	√			
			VDM Vertical Dynamics Management	√	√	√	√	√			
			EDCSVL Damper satellite, front left	√	√	√	√	√			
			EDCSVR Damper satellite, front right	√	√	√	√	√			
			EDCSHL Damper satellite, rear left	√	√	√	√	√			
			EDCSHR Damper satellite, rear right	√	√	√	√	√			
		JBE Junction-box electronics	√	√	√	√	√			1.Power window initialisations 2.Rain sensor initialisation	
		ACSM Crash Safety Module	√	√	√	√	√				
		SZL Switch center steering column	√	√	√	√	√			Steering wheel angle sensor adjustment	
		TR SVC All round view camera	√	√	√	√	√				
		SWW Lane change warning	√	√	√	√	√				
		ZGM Central Gateway Module	√	√	√	√	√				
		RSE Rear Seat Entertainment	√	√	√	√	√				
		TCU/ULF Telephone	√	√	√	√	√				
		HUD Head-Up Display	√	√	√	√	√				
		VSW video switch	√	√	√	√	√				
		SEC Supplementary control unit	√	√	√	√	√				
		SEC2 Supplementary control unit 2	√	√	√	√	√				
		VM Video Module	√	√	√	√	√				
		EMALI Left electric motor reel	√	√	√	√	√				
		EMARE Right electric motor reel	√	√	√	√	√				

## BMW V46.10 Diagnostics List (Note: For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
		Body	FZD Function centre, roof	√	√	√	√	√		Sunroof initialisation	
			NVE Night Vision Electronics	√	√	√	√	√			
			KAFAS Camera based driver assist systems	√	√	√	√	√			
			FLA High Beam Assist	√	√	√	√	√			
			INSTR Instrument cluster	√	√	√	√	√			
			CIC/CHAMP Car headunit platform	√	√	√	√	√			
			PDC Park Distance Control	√	√	√	√	√			
			CON Controller	√	√	√	√	√			
			FCON Rear Compartment controller	√	√	√	√	√			
			SMFAH Seat module, driver's side rear	√	√	√	√	√			Normalisation of seat
			SMBFH Seat module, passenger's side rear	√	√	√	√	√			Normalisation of seat
			HKL Rear-lid lift	√	√	√	√	√			
			SMFA Seat module, driver	√	√	√	√	√			
			SMBF Seat module, passenger	√	√	√	√	√			Normalisation of seat
			AHM Trailer module	√	√	√	√	√			
			FRM Footwell Module	√	√	√	√	√			Power window initialisations
			CID Central Information Display	√	√	√	√	√			
			FD Rear compartment display	√	√	√	√	√			
			FD2 Rear compartment display 2	√	√	√	√	√			
			RFK Reversing camera	√	√	√	√	√			
			AMP Amplifier	√	√	√	√	√			
			IHKA Integrated automatic heating/air conditioning	√	√	√	√	√			
			FKA Rear-cabin automatic A/C	√	√	√	√	√			
			HKA Rear-cabin automatic A/C	√	√	√	√	√			

## BMW V46.10 Diagnostics List (Note: For reference only)

Menu				Functions								
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others	
		Short test		√	√	√						
		Coding / Program	Maintenance \ CBS Reset \ Software reset							1.Engine Oil 2.Front barke 3.Rear brake 4.Vehicle check 5.Brake fluid 6.Vehicle inspection 7.Exhaust emission inspection		
8 Series	E31	Driver	DME Digital Motor Electronics	√	√	√	√	√				
			EGS Transmission control	√	√	√	√	√				
			EWS (Elec. immobilize system)	√	√	√	√	√				
		Chassis	ABS Antilock brake	√	√	√	√	√			1.TEST PROCEDURES 2.BLEEDING THE ABS/ASC HYDRAULIC SYSTEM 3.RESET ABS MOTOR RELAY CLOCK COUNTER	
			EHC/EDC (Signal-axle air suspension)	√	√	√	√	√				
		Body	CVM Convertible-top module	√	√	√	√	√				
			DWA Antitheft alarm system	√	√	√	√	√				
			EKM (Electronic Body Module)	√	√	√	√	√				
			EML (Elec. throttle)	√	√	√	√	√				
			FHK (Rear Heater A/C System)	√	√	√	√	√				
			GR (Cruise control)	√	√	√	√	√				
IHKA/IHKR (AC/heater)	√		√	√	√	√						
IKE/IKI/KOMBI	√		√	√	√	√						
LSZ/LCM (Light switching center)	√	√	√	√	√							
MID (Multi Information Display)	√	√	√	√	√							

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
		Body	PDC Park Distance Control	√	√	√	√	√			
			RAD (Radio)	√	√	√	√	√			
			SHD Sliding/tilting sunroof	√	√	√	√	√			
			SPM/SM	√	√	√	√	√			
			SRS (Air bag)	√	√	√	√	√			
			URS (Rollover sensor)	√	√	√	√	√			
			VMX (Top-speed Regulation)	√	√	√	√	√			
			VNC (Variable Camshaft Control)	√	√	√	√	√			
			XEN (XENON LIGHTS)	√	√	√	√	√			
			ZKE (Central body electronic)	√	√	√	√	√			
		Short test		√	√	√					
		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
			CAS Car Access System	√	√	√	√	√	√	1.Personalisation key number 2.Disable_enable key 3.Reset internal ELV fault counter	



## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
		Driver	DME Digital Motor Electronics	√	√	√	√	√	√	1.DME-CAS adjustment 2.CO adjustment 3.Clear adaptations 4.Delete adaptations/variants 5.Idle speed adjustment 6.Consumption indicator adjustment 7.Learning Valvetronic limit positions 8.Venting, cooling system 9.Register battery change 10.Remove Valvetronic servomotor 11.OBD readiness codes 12.Regeneration, particulate filter 13.Exhaust VANOS test 14. Valvetronic adaptation limit positions	
			DKG Twin-clutch gearbox	√	√	√	√	√			

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			EGS Transmission control	√	√	√	√	√		1.Reset adaptation values 2.Reset learning functions 3.Mechatronics adjustment 4.Oil-level adjustment 5.Oil lifetime 6.Teach in transmission 7.Teach in clutch slip 8.Reset clutch characteristic 9.Teach in valve characteristic curve 10.Parking lock, hook test 11.Parking lock, function test	
			EKPS Fuel-pump control	√	√	√	√	√	√		
			GWS Gear selector switch	√	√	√	√	√			
			DSC Dynamic Stability Control	√	√	√	√	√	√	1.Bleeding DSC Hydraulics 2.Mix Up Check BrakeLines 3.Run flat indicator initialisation 4.Longitudinal acceleration sensor matching 5.DSC sensors check	

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
		Chassis	EDC Damper Control	√	√	√	√	√		1.System startup after control unit change 2.Shock absorber adjustment 3.Shock absorber performance 4.Initial setting, switch-on state	
			EMF Parking brake	√	√	√	√	√		1.Workshop braking-in 2.Assembly mode 3.Positioning-travel check	
			EPS Electronic Power Steering	√	√	√	√	√		End position teach-in	
			RDC Tyre pressure control	√	√	√	√	√			
			AMP Amplifier	√	√	√	√	√			
			CA Comfort Access	√	√	√	√	√			
			CDC CD Changer	√	√	√	√	√			
			CIC Car Inforamtion Computer	√	√	√	√	√			
			CIC-GW Gateway	√	√	√	√	√			
			CID Central Information Display	√	√	√	√	√		General fault info	
			CON Controller	√	√	√	√	√			
			CTM Convertible-top module	√	√	√	√	√			
			DAB Digital tuner	√	√	√	√	√			
			DVD-C DVD Changer	√	√	√	√	√			
			DWA Antitheft alarm system	√	√	√	√	√			
			FLA High Beam Assist	√	√	√	√	√			
		FRM2 Footwell module 2	√	√	√	√	√		Start windows initialising Rear windows, initialising Rear windows, test		

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
		Body	FZD Function centre, roof	√	√	√	√	√		1.Initialize rain sensor 2.Sunroof initialisation	
			IHR Integrated heater control	√	√	√	√	√			
			IHKR Interagted heating/air-conditioning regulation	√	√	√	√	√			
			IHKA Integrated automatic heating/air conditioning	√	√	√	√	√			1.Flap motors 2.Coolant compressor
			INSTR Instrument cluster	√	√	√	√	√	√		
			JBE2 Junction Box electronics 2	√	√	√	√	√			
			M-ASK-BO User interface	√	√	√	√	√			
			M-ASK-GW Gateway	√	√	√	√	√			
			MRS Multiple Restraint system	√	√	√	√	√			
			NAV Navigation system	√	√	√	√	√			Initialisation
			PDC Park Distance Control	√	√	√	√	√			
			RAD Radio	√	√	√	√	√			
			RAD2-BO User interface	√	√	√	√	√			
			RAD2-GW Gateway	√	√	√	√	√			
			RLSS Rain/light solar sensor	√	√	√	√	√			1.Initialize rain sensor
			SINE Siren with tilt sensor	√	√	√	√	√			
			SMFA Seat module, driver	√	√	√	√	√			Normalisation of seat adjustment
			TCU Telematic Control unit	√	√	√	√	√			
			ULF Universal charging and hands-free facility	√	√	√	√	√			
			ULF-SBX Interface box	√	√	√	√	√			
		ULF-SBX-H Interface box High	√	√	√	√	√				
		VM Video Module	√	√	√	√	√				
		Short test		√	√	√					
			CCC_ANT.C04							1.Recoding	

## BMW V46.10 Diagnostics List (Note: For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			CCC_ANT.C05							1.Recoding	
			CCC_ANT.C06							1.Recoding	
			CCC_ANT.C07							1.Recoding	
			CCC_ANT.C08							1.Recoding	
			CCC_ANT.C09							1.Recoding	
			CCC_ASK.C04							1.Recoding	
			CCC_ASK.C05							1.Recoding	
			CCC_ASK.C06							1.Recoding	
			CCC_ASK.C07							1.Recoding	
			CCC_GW.C02							1.Recoding	
			CCC_GW.C03							1.Recoding	
			CCC_GW.C04							1.Recoding	
			CCC_GW.C05							1.Recoding	
			DWA_IRS.C05							1.Recoding	
			DWASINE.C02							1.Recoding	
			DWASINE.C03							1.Recoding	
			JBBFEII. C06							1.Recoding	
			JBBFEII. C07							1.Recoding	
			JBBFEII. C09							1.Recoding	
			JBBFEII. C0A							1.Recoding	
			RAD2. C04							1.Recoding	
			RAD2. C50							1.Recoding	
			RAD2. C51							1.Recoding	
			RAD22. C20							1.Recoding	
			RAD22. C31							1.Recoding	
			RAD22. C32							1.Recoding	
			RAD22. C33							1.Recoding	
			RAD22. C34							1.Recoding	
			MRS5CD. C01							1.Recoding	

## BMW V46.10 Diagnostics List (Note: For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			MRS5CD. C20							1.Recoding	
			MRS5CD. C21							1.Recoding	
			MRS5CD. C22							1.Recoding	
			DSC8_RPA. C06							1.Recoding	
			DSC8_RPA. C09							1.Recoding	
			DSC8_RPA. C10							1.Recoding	
			DSC8_RPA. C0B							1.Recoding	
			DSC8_RPA. C0D							1.Recoding	
			DSC8_RPA. C0E							1.Recoding	
			DSC8_RPA. C0F							1.Recoding	
			CAS2. C05							1.Recoding	
			CAS2. C06							1.Recoding	
			CAS2. C08							1.Recoding	
			CAS2. C09							1.Recoding	
			MK60_87. C09							1.Recoding	
			DWASINE. C05							1.Recoding	
			GKE11K. C08							1.Recoding	
			EKPM60_3. C11							1.Recoding	
			EKPM60_3. C12							1.Recoding	
			EKPM60_3. C13							1.Recoding	
			EPS_PL2. C02							1.Recoding	
			EPS_PL2. C03							1.Recoding	
			CFAS_PLX. C10							1.Recoding	
			CFAS_PLX. C11							1.Recoding	
			CFAS_PLX. C13							1.Recoding	
			CFAS_PLX. C15							1.Recoding	
			CFAS_PLX. C20							1.Recoding	
			IHXXPL2. C02							1.Recoding	
			MASK_E60. C06							1.Recoding	

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			MASK_E60. C07							1.Recoding	
			MASK_E60. C08							1.Recoding	
			MASK_E60. C09							1.Recoding	
			MASK_E60. C0A							1.Recoding	
			MASK_E60. C0B							1.Recoding	
			MASK_E60. C0C							1.Recoding	
			MASK_E60. C0D							1.Recoding	
			MASK_E60. C0E							1.Recoding	
			MASK_E60. C0F							1.Recoding	
			ULF2MOST. C12							1.Recoding	
			FRM2_E89. C08							1.Recoding	
			FRM2_E89. C09							1.Recoding	
			FRM3_E89. C31							1.Recoding	
			RLS_PL2. C07							1.Recoding	
			RLS_PL2. C08							1.Recoding	
			VGSG90. C03							1.Recoding	
			VGSG90. C04							1.Recoding	
			VGSG90. C05							1.Recoding	
			VGSG90. C06							1.Recoding	
			MRS5. C05							1.Recoding	
			MRS5. C06							1.Recoding	
			MRS5. C07							1.Recoding	
			MRS5. C08							1.Recoding	
			Car Key Memory\CAS[Car Access System]\Easy entry\Easy entry KEY::01							1.Not active 2.Active	
			Car Key Memory\CAS[Car Access System]\Easy entry\Easy entry KEY::02							1.Not active 2.Active	





## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			Car Key Memory\CAS[Car Access System]\Drive away locking\Automatic locking when driving KEY:01							1.Not active 2.Active	
			Car Key Memory\CAS[Car Access System]\Drive away locking\Automatic locking when driving KEY:02							1.Not active 2.Active	
			Car Key Memory\CAS[Car Access System]\Drive away locking\Automatic locking when driving KEY:03							1.Not active 2.Active	
			Car Key Memory\CAS[Car Access System]\Drive away locking\Automatic locking when driving KEY:04							1.Not active 2.Active	
			Car Key Memory\CAS[Car Access System]\Selective central locking>Selective central locking Door lock							1.Not active 2.Active	
			Car Key Memory\CAS[Car Access System]\Selective central locking>Selective central locking Door lock 01							1.Not active 2.Active	
			Car Key Memory\CAS[Car Access System]\Selective central locking>Selective central locking Door lock 02							1.Not active 2.Active	

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions								
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others	
		Coding / Program	Car Key Memory\CAS[Car Access System]\Selective central locking\Selective central locking Door lock 03							1.Not active 2.Active		
			Car Key Memory\CAS[Car Access System]\Selective central locking\Selective central locking Door lock 04								1.Not active 2.Active	
			Car Key Memory\CAS[Car Access System]\Luggage compartment lid release\Luggage compartment lid open ALL KEYS								1.Not active 2.Active	
			Car Key Memory\CAS[Car Access System]\Luggage compartment lid release\Luggage compartment lid open ALL KEYS								1.always 2.If double unlocked	
			Car Key Memory\CAS[Car Access System]\Rear-window unlocking\Rear-window unlocking KEY:01								1.Not active 2.Active	
			Car Key Memory\CAS[Car Access System]\Rear-window unlocking\Rear-window unlocking KEY:02								1.Not active 2.Active	
			Car Key Memory\CAS[Car Access System]\Rear-window unlocking\Rear-window unlocking KEY:03								1.Not active 2.Active	

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			Car Key Memory\CAS[Car Access System]\Rear-window unlocking\Rear-window unlocking KEY:04							1.Not active 2.Active	
			Car Key Memory\CAS[Car Access System]\Locking after unlocking without opening\Locking after unlocking without opening KEY:01							1.Not active 2.Active	
			Car Key Memory\CAS[Car Access System]\Locking after unlocking without opening\Locking after unlocking without opening KEY:02							1.Not active 2.Active	
			Car Key Memory\CAS[Car Access System]\Locking after unlocking without opening\Locking after unlocking without opening KEY:03							1.Not active 2.Active	
			Car Key Memory\CAS[Car Access System]\Locking after unlocking without opening\Locking after unlocking without opening KEY:04							1.Not active 2.Active	
			Car Key Memory\CAS[Car Access System]\Alarm options\Activation and deactivation ALL KEYS							1.Remote control or door lock 2.Deactivation only via radio remote control	
			Car Key Memory\CAS[Car Access System]\Alarm options\Panic alarm ALL KEYS							1.Not active 2.Active	
			Car Key Memory\DWA[Burglar-alarm system]\Tilt sensor ALL KEYS							1.Not active 2.Active	

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			Car Key Memory\DWA[Burglar-alarm system]\Interior sensor All KEYS							1.Not active 2.Active	
			Car Key Memory\DWA[Burglar-alarm system]\Visual acknowledgement during activation ALL KEYS							1.Not active 2.Active	
			Car Key Memory\DWA[Burglar-alarm system]\Arm visually doors/lids closed ALL KEYS							1.Not active 2.Active	
			Car Key Memory\DWA[Burglar-alarm system]\Visual deactivation ALL KEYS							1.Not active 2.Active	
			Car Key Memory\DWA[Burglar-alarm system]\Activation acknowledgement during activation ALL KEYS							1.Not active 2.Active	
			Car Key Memory\DWA[Burglar-alarm system]\Arm acoustically doors/lids closed ALL KEYS							1.Not active 2.Active	
			Car Key Memory\DWA[Burglar-alarm system]\Acoustic acknowledgement during deactivation ALL KEYS							1.Not active 2.Active	
			Car Key Memory\FRM[Footwell module]\Home lights,time period All KEYS							1.Not active 2.40s 3.90s 4.150s 5.240s	

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			Car Key Memory\FRM[Footwell module]\Visual unlocking,without anti-theft alarm system ALL KEYS							1.Not active 2.Active	
			Car Key Memory\FRM[Footwell module]\Visual locking,without anti-theft alarm system ALL KEYS							1.Not active 2.Active	
			Car Key Memory\FRM[Footwell module]\One-touch function,turn indicator ALL KEYS							1.1x flashing 2.3x flashing	
			Car Key Memory\FRM[Footwell module]\Daytime driving lights ECE ALL KEYS							1.Not active 2.Active	
			Car Key Memory\FRM[Footwell module]\Daytime running lights US ALL KEYS							1.Not active 2.Active	
			Car Key Memory\RLS[Rain/light Sensors]\Automatic driving lights control(set of threshold values)ALL KEYS							1.Normal 2.Sensitive 3.Very sensitive	
			Car Key Memory\SMFA[Seat Module, drivers]\Seat/mirror adjustment CAR							1.Not active 2.After unlocking with remote control 3.After unlocking and door opening	
			Car Key Memory\SMFA[Seat Module, drivers]\Seat/mirror adjustment Driver's door lock							1.Not active 2.After unlocking 3.After unlocking and door opening	

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			Car Key Memory\SMFA[Seat Module, drivers]\Seat/mirror adjustment Passengers's door lock							1.Not active 2.After unlocking 3.After unlocking and door opening	
			Car Key Memory\SMFA[Seat Module, drivers]\Seat/mirror adjustment KEY:01							1.Not active 2.After unlocking with remote control 3.After unlocking and door opening	
			Car Key Memory\SMFA[Seat Module, drivers]\Seat/mirror adjustment KEY:02							1.Not active 2.After unlocking with remote control 3.After unlocking and door opening	
			Car Key Memory\SMFA[Seat Module, drivers]\Seat/mirror adjustment KEY:03							1.Not active 2.After unlocking with remote control 3.After unlocking and door opening	
			Car Key Memory\SMFA[Seat Module, drivers]\Seat/mirror adjustment KEY:04							1.Not active 2.After unlocking with remote control 3.After unlocking and door opening	

## BMW V46.10 Diagnostics List (Note: For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			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 9.Vehicle inspection 10.Exhaust emission inspection	
			Maintenance							1.Delete transport mode	

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
		Driver	DME Digital Motor Electronics	√	√	√	√	√		1.Clear Adaptations 2.DME/DDE-EWS adjustment 3.CO adjustment 4.Air-mass flow sensor adaptation 5.Regeneration, particulate filter or 1.Idle speed 2.Exhaust-gas recirculation 3.Start basic injection quantity 4.Limitation delivery 5.Injection rate 6.Consumption calculation 7.Injector rate adjustment 8.Air-mass flow sensor 9.Quantity mean-value adaptation 10.Register battery change 11.Read measured values 12.Bleeding, fuel system 13.EOBD readiness codes 14.Compression test	
			EGS Transmission control	√	√	√	√	√			
			EWS (Elec. immobilize system)	√	√	√	√	√			
			EKPS ( Fuel-pump control)	√	√	√	√	√			
			VTG Transfer case	√	√	√	√	√			



## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
		Chassis	ABS Antilock brake	√	√	√	√	√		1.TEST PROCEDURES 2.BLEEDING THE ABS/ASC HYDRAULIC SYSTEM 3.RESET ABS MOTOR RELAY CLOCK COUNTER	
			LEW (Steering-angle sensor)	√	√	√	√	√			
			MFL (Multi-function steering wheel)	√	√	√	√	√			
		Body	AIC (Automatic Interval Control)	√	√	√	√	√			
			CID Central Information Display	√	√	√	√	√			
			IHKA/IHKR (AC/heater)	√	√	√	√	√			
			IKE/IKI/KOMBI	√	√	√	√	√		1.Reset service interval indicator	
			LSZ/LCM (Light switching center)	√	√	√	√	√			
			PDC Park Distance Control	√	√	√	√	√			
			RAD (Radio)	√	√	√	√	√			
			SMF (Seat memory,driver)	√	√	√	√	√			
			SRS (Air bag)	√	√	√	√	√			
			VID (Video Module)	√	√	√	√	√			
			DSP (Digital Sound Processor)	√	√	√	√	√			
			ZKE (Central body electronic)	√	√	√	√	√			
		Short test		√	√	√					
			DXC8_E83.C02							1.Recoding	
			DXC8_E83.C06							1.Recoding	
			EWS.C81							1.Recoding	
			GM5.C05							1.Recoding	
			GM5.C04							1.Recoding	
			GT.C04							1.Recoding	
			GT.C05							1.Recoding	
			GT.C06							1.Recoding	

## BMW V46.10 Diagnostics List (Note: For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			GT.C07							1.Recoding	
			IHK_E46.C16							1.Recoding	
			IHK_E46.C17							1.Recoding	
			IHK_E83.C18							1.Recoding	
			IHKR_E46.C14							1.Recoding	
			IHKR_E46.C15							1.Recoding	
			LSZ.C34							1.Recoding	
			LSZ.C35							1.Recoding	
			LSZ.C36							1.Recoding	
			LWS5.C01							1.Recoding	
			MDS_SHD.C06							1.Recoding	
			MDS_SHD.C07							1.Recoding	
			MRS4RD.C60							1.Recoding	
			PDC.CO3							1.Recoding	
			RA_NG.C01							1.Recoding	
			RA_NG.C02							1.Recoding	
			RLS.C02							1.Recoding	
			SM_E46.C01							1.Recoding	
			SVT.C01							1.Recoding	
			TV2.CO2							1.Recoding	
			TV2.CO3							1.Recoding	
			VGSG83.C02							1.Recoding	
			VGSG83.C03							1.Recoding	
			VGSG83.C04							1.Recoding	
			VGSG83.C05							1.Recoding	
			DDE626.C04							1.Recoding	
			DDE626.C07							1.Recoding	
			DDE626.C08							1.Recoding	
			DDE626.C09							1.Recoding	

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			DDE626.C10							1.Recoding	
			DDE626.CO1							1.Recoding	
			KMB_E85.C05							1.Recoding	
			KMB_E85.C06							1.Recoding	
			KMB_E85.C07							1.Recoding	
			KMB_E85.C08							1.Recoding	
			DDE71. C00							1.Recoding	
			DDE71. C05							1.Recoding	
			LM2_E83. C02							1.Recoding	
			LM2_E83. C03							1.Recoding	
			LM2_E83. C04							1.Recoding	
			LM2_E83. C05							1.Recoding	
			EKPM60_2. C03							1.Recoding	
			GM5. C06							1.Recoding	
			ULF. C01							1.Recoding	
			ULF. C02							1.Recoding	
			ULF. C03							1.Recoding	
			ULF. C04							1.Recoding	
			ULF. C05							1.Recoding	
			ULF. C06							1.Recoding	
			Car Key Memory\IHKA [Integrated automatic heating/ A/C control]\Recirculated air memory							1.Not active 2.Active	
			Car Key Memory\IHKA [Integrated automatic heating/ A/C control]\Automatic rear window heating							1.Not active 2.Active	

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			Car Key Memory\IHKA [Integrated automatic heating/ A/C control]\Set fan power\Key 1							1.Not active 2.Raise 3.Lower	
			Car Key Memory\IHKA [Integrated automatic heating/ A/C control]\Set fan power\Key 2							1.Not active 2.Raise 3.Lower	
			Car Key Memory\IHKA [Integrated automatic heating/ A/C control]\Set fan power\Key 3							1.Not active 2.Raise 3.Lower	
			Car Key Memory\IHKA [Integrated automatic heating/ A/C control]\Set fan power\Key 4							1.Not active 2.Raise 3.Lower	
			Car Key Memory\IHKA [Integrated automatic heating/ A/C control]\Correction set temperature\Key 1							1.Not active 2.+1 3.+2 4.+3 5.-1 6.-2 7.-3	
			Car Key Memory\IHKA [Integrated automatic heating/ A/C control]\Correction set temperature\Key 2							1.Not active 2.+1 3.+2 4.+3 5.-1 6.-2 7.-3	

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			Car Key Memory\IHKA [Integrated automatic heating/ A/C control]\Correction set temperature\Key 3							1.Not active 2.+1 3.+2 4.+3 5.-1 6.-2 7.-3	
			Car Key Memory\IHKA [Integrated automatic heating/ A/C control]\Correction set temperature\Key 4							1.Not active 2.+1 3.+2 4.+3 5.-1 6.-2 7.-3	
			Car Key Memory\IHKA [Integrated automatic heating/ A/C control]\Air conditioning on at\Key 1							1.Not active 2.Active	
			Car Key Memory\IHKA [Integrated automatic heating/ A/C control]\Air conditioning on at\Key 2							1.Not active 2.Active	
			Car Key Memory\IHKA [Integrated automatic heating/ A/C control]\Air conditioning on at\Key 3							1.Not active 2.Active	
			Car Key Memory\IHKA [Integrated automatic heating/ A/C control]\Air conditioning on at\Key 4							1.Not active 2.Active	
			Car Key Memory\KOM [Instrument cluster]\Distance							1.KM 2.MLS3.---	

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			Car Key Memory\KOM [Instrument cluster]\Time							1.24H 2.12H	
			Car Key Memory\KOM [Instrument cluster]\Fuel consumption							1.L/100 KM 2.MPG(UK) 3.MPG(US) 4.KM/LITRE	
			Car Key Memory\KOM [Instrument cluster]\Temperature							1.°C 2.°F	
			Car Key Memory\KOM [Instrument cluster]\Outside temperature warning							1.Not active 2.Active	
			Car Key Memory\KOM [Instrument cluster]\Ignition key Warning							1.Not active 2.Active	
			Car Key Memory\KOM [Instrument cluster]\seat belt warning							1.Not active 2.Active	
			Car Key Memory\LSZ/LCM [Light switching center]\Home lights							1.Not active 2.40 Seconds 3.90 Seconds 4.150 Seconds 5.240 Seconds	
			Car Key Memory\LSZ/LCM [Light switching center]\Day time running lights(ECE)							1.Not active 2.Active	
			Car Key Memory\LSZ/LCM [Light switching center]\Day time running lights(US)							1.Not active 2.Active	
			Car Key Memory\PDC [Park Distance Control]\Switch on message(rear)							1.Not active 2.Active	



## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
		Coding / Program	Car Key Memory\ZKE [Central Body Electronic] \Burglar alarm system\Compartment sensor,front passenger							1.Not active 2.Active	
			Car Key Memory\ZKE [Central Body Electronic] \Burglar alarm system\Passenger compartment sensor back(touring)							1.Not active 2.Active	
			Car Key Memory\ZKE [Central Body Electronic] \Burglar alarm system\Tilt sensor							1.Not active 2.Active	
			Car Key Memory\ZKE [Central Body Electronic]\Burglar alarm system\Activating and deactivating dwa							1.Rc only 2.Key and rc	
			Car Key Memory\ZKE [Central Body Electronic]\Burglar alarm system\Disarm visually							1.Not active 2.Active	
			Car Key Memory\ZKE [Central Body Electronic]\Burglar alarm system\Disarm acoustically							1.Not active 2.Active	
			Car Key Memory\ZKE [Central Body Electronic]\Burglar alarm system\Arm visually							1.Not active 2.Active	
			Car Key Memory\ZKE [Central Body Electronic]\Burglar alarm system\Arm acoustically							1.Not active 2.Active	



## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			Car Key Memory\ZKE [Central Body Electronic]\Burglar alarm system\Arm visually doors/lids closed							1.Not active 2.Active	
			Car Key Memory\ZKE [Central Body Electronic]\Burglar alarm system\Arm acoustically doors/lids closed							1.Not active 2.Active	
			Car Key Memory\ZKE [Central Body Electronic]\Burglar alarm system\Acknowledgement without dwa							1.Not active 2.Active	
			Car Key Memory\ZKE [Central Body Electronic]\Central locking\Rc interior light							1.Not active 2.Active	
			Car Key Memory\ZKE [Central Body Electronic]\Central locking\Rc panic mode							1.Not active 2.Active	
			Car Key Memory\ZKE [Central Body Electronic]\Central locking\Release rear window from inside							1.Not active 2.Active	
			Car Key Memory\ZKE [Central Body Electronic]\Central locking\"open luggage compartment via Remote control"							1.Not active 2.Active	
			Car Key Memory\ZKE [Central Body Electronic]\Central locking\Relock 2 minutes after unlocking							1.Not active 2.Active	

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			Car Key Memory\ZKE [Central Body Electronic]\Central locking\Centre lock button when locked							1.Not active 2.Active	
			Car Key Memory\ZKE [Central Body Electronic]\Central locking\Automatic locking\Car							1.Not active 2.Active	
			Car Key Memory\ZKE [Central Body Electronic]\Central locking\Automatic locking\Key 1							1.Not active 2.Active	
			Car Key Memory\ZKE [Central Body Electronic]\Central locking\Automatic locking\Key 2							1.Not active 2.Active	
			Car Key Memory\ZKE [Central Body Electronic]\Central locking\Automatic locking\Key 3							1.Not active 2.Active	
			Car Key Memory\ZKE [Central Body Electronic]\Central locking\Automatic locking\Key 4							1.Not active 2.Active	
			Car Key Memory\ZKE [Central Body Electronic]\Central locking>Selective central locking\Car							1.Not active 2.Active	
			Car Key Memory\ZKE [Central Body Electronic]\Central locking>Selective central locking\Key 1							1.Not active 2.Active	

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			Car Key Memory\ZKE [Central Body Electronic]\Central locking>Selective central locking\Key 2							1.Not active 2.Active	
			Car Key Memory\ZKE [Central Body Electronic]\Central locking>Selective central locking\Key 3							1.Not active 2.Active	
			Car Key Memory\ZKE [Central Body Electronic]\Central locking>Selective central locking\Key 4							1.Not active 2.Active	
			Car Key Memory\ZKE [Central Body Electronic]\Central locking\Convenient access\Car							1.Not active 2.Active	
			Car Key Memory\ZKE [Central Body Electronic]\Central locking\Convenient access\Key 1							1.Not active 2.Active	
			Car Key Memory\ZKE [Central Body Electronic]\Central locking\Convenient access\Key 2							1.Not active 2.Active	
			Car Key Memory\ZKE [Central Body Electronic]\Central locking\Convenient access\Key 3							1.Not active 2.Active	
			Car Key Memory\ZKE [Central Body Electronic]\Central locking\Convenient access\Key 4							1.Not active 2.Active	

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			Car Key Memory\ZKE [Central Body Electronic]\Central locking\Unlock remote\Key 1							1.Not active 2.Active	
			Car Key Memory\ZKE [Central Body Electronic]\Central locking\Unlock remote\Key 2							1.Not active 2.Active	
			Car Key Memory\ZKE [Central Body Electronic]\Central locking\Unlock remote\Key 3							1.Not active 2.Active	
			Car Key Memory\ZKE [Central Body Electronic]\Central locking\Unlock remote\Key 4							1.Not active 2.Active	
			Car Key Memory\ZKE [Central Body Electronic]\Window regulators/slide/tilt sunroof\One touch open,driver's window							1.Not active 2.Active	
			Car Key Memory\ZKE [Central Body Electronic]\Window regulators/slide/tilt sunroof\One touch close,driver's window							1.Not active 2.Active	
			Car Key Memory\ZKE [Central Body Electronic]\Window regulators/slide/tilt sunroof\One touch open,passenger's window							1.Not active 2.Active	
			Car Key Memory\ZKE [Central Body Electronic]\Window regulators/slide/tilt sunroof\One touch close,passenger's window							1.Not active 2.Active	

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			Car Key Memory\ZKE [Central Body Electronic]\Window regulators/slide/tilt sunroof\One touch open,rear windows							1.Not active 2.Active	
			Car Key Memory\ZKE [Central Body Electronic]\Window regulators/slide/tilt sunroof\One touch close,rear windows							1.Not active 2.Active	
			Car Key Memory\ZKE [Central Body Electronic]\Window regulators/slide/tilt sunroof\One touch open sunroof							1.Not active 2.Active	
			Car Key Memory\ZKE [Central Body Electronic]\Window regulators/slide/tilt sunroof\One touch close sunroof							1.Not active 2.Active	
			Car Key Memory\ZKE [Central Body Electronic]\Window regulators/slide/tilt sunroof\Convenient closing rc							1.Not active 2.Active	
			Car Key Memory\ZKE [Central Body Electronic]\Window regulators/slide/tilt sunroof\Convenient opening rc							1.Not active 2.Active	
			Car Key Memory\ZKE [Central Body Electronic]\Window regulators/slide/tilt sunroof\Lower power window after trapping							1.Long 2.Short	

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			Car Key Memory\ZKE [Central Body Electronic]\Window regulators/slide/tilt sunroof\Open power window after door open							1.Not active 2.Active	
			Car Key Memory\ZKE [Central Body Electronic]\Interior lighting\On during unlock							1.Not active 2.Active	
			Car Key Memory\ZKE [Central Body Electronic]\Interior lighting\"on at terminal R off light Previously on"							1.Not active 2.Active	
			Car Key Memory\ZKE [Central Body Electronic]\Interior lighting\Soft on/off							1.Not active 2.Active	
			Car Key Memory\ZKE [Central Body Electronic]\Windscreen wipers\Rain sensor							1.Not active 2.Active	
			Car Key Memory\ZKE [Central Body Electronic]\Windscreen wipers\Switch down when stationary							1.Not active 2.Active	
			Car Key Memory\ZKE [Central Body Electronic]\Windscreen wipers\Wipe interval when stationary							1.3 second 2.5 second	
			Service functions							1. Key Test 2. Display status of all keys 3. Disable/Enable key	
			CAS Car Access System	√	√	√	√	√			

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
X Series		Driver	DME/DDE Digital motor/Diesel electronics	√	√	√	√	√		1.Battery management 2.Fuel injector test 3.Fuel injector adaptation 4.Swirl flap 5.Rail pressure regulating valve 6.Fuel pump 7.Mean quantity 8.EGR matching 9.Smooth running control 10.Valvetronic adaptation limit positions 11.Throttle valve actuator 12.Accelerator pedal module	
			DME2 Digital Motor Electronics 2	√	√	√	√	√			
			EKPS Electronic Fuel pump	√	√	√	√	√			
			EGS/SMG Transmission management	√	√	√	√	√			
			VTG Transfer case	√	√	√	√	√			
			EME Electrical machine electronics	√	√	√	√	√			
			GWS Gear selector switch	√	√	√	√	√			
		SME Accumulator management electronics	√	√	√	√	√				
		AL Active steering	√	√	√	√	√				
		ICM Integrated chassis management	√	√	√	√	√				
		RDC Tyre pressure control	√	√	√	√	√				
		DSC Dynamic Stability Control	√	√	√	√	√		Brake bleeding procedure		

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
	X3-F25	Chassis	EMF Parking brake	√	√	√	√	√		EMF workshop mode	
			HSR Rear-axle slip-angle control	√	√	√	√	√			
			EPS Electronic Power Steering	√	√	√	√	√			
			EHC Electronic Ride-Height Control	√	√	√	√	√			
			VDM Vertical Dynamics Management	√	√	√	√	√			
			EDCSVL Damper satellite, front left	√	√	√	√	√			
			EDCSVR Damper satellite, front right	√	√	√	√	√			
			EDCSHL Damper satellite, rear left	√	√	√	√	√			
			EDCSHR Damper satellite, rear right	√	√	√	√	√			
		JBE Junction-box electronics	√	√	√	√	√			1.Power window initialisations 2.Rain sensor initialisation	
		ACSM Crash Safety Module	√	√	√	√	√				
		SZL Switch center steering column	√	√	√	√	√			Steering wheel angle sensor adjustment	
		TR SVC All round view camera	√	√	√	√	√				
		SWW Lane change warning	√	√	√	√	√				
		ZGM Central Gateway Module	√	√	√	√	√				
		RSE Rear Seat Entertainment	√	√	√	√	√				
		TCU/ULF Telephone	√	√	√	√	√				
		HUD Head-Up Display	√	√	√	√	√				
		VSW video switch	√	√	√	√	√				
		SEC Supplementary control unit	√	√	√	√	√				
		SEC2 Supplementary control unit 2	√	√	√	√	√				
		VM Video Module	√	√	√	√	√				
		EMALI Left electric motor reel	√	√	√	√	√				
		EMARE Right electric motor reel	√	√	√	√	√				



## BMW V46.10 Diagnostics List (Note: For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
		Body	FZD Function centre, roof	√	√	√	√	√		Sunroof initialisation	
			NVE Night Vision Electronics	√	√	√	√	√			
			KAFAS Camera based driver assist systems	√	√	√	√	√			
			FLA High Beam Assist	√	√	√	√	√			
			INSTR Instrument cluster	√	√	√	√	√			
			CIC/CHAMP Car headunit platform	√	√	√	√	√			
			PDC Park Distance Control	√	√	√	√	√			
			CON Controller	√	√	√	√	√			
			FCON Rear Compartment controller	√	√	√	√	√			
			SMFAH Seat module, driver's side rear	√	√	√	√	√			Normalisation of seat
			SMBFH Seat module, passenger's side rear	√	√	√	√	√			Normalisation of seat
			HKL Rear-lid lift	√	√	√	√	√			
			SMFA Seat module, driver	√	√	√	√	√			
			SMBF Seat module, passenger	√	√	√	√	√			Normalisation of seat
			AHM Trailer module	√	√	√	√	√			
			FRM Footwell Module	√	√	√	√	√			Power window initialisations
			CID Central Information Display	√	√	√	√	√			
			FD Rear compartment display	√	√	√	√	√			
			FD2 Rear compartment display 2	√	√	√	√	√			
			RFK Reversing camera	√	√	√	√	√			
			IHKA Integrated automatic heating/air conditioning	√	√	√	√	√			
			FKA Rear-cabin automatic A/C	√	√	√	√	√			
			HKA Rear-cabin automatic A/C	√	√	√	√	√			
			AMP Amplifier	√	√	√	√	√			

## BMW V46.10 Diagnostics List (Note:For reference only)

BMW V46.10 Diagnostics List <small>(Note:For reference only)</small>											
Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			VDC	√	√	√	√	√			
			Short test	√	√	√					
		Coding / Program	Maintenance \ CBS Reset \ Software reset							1.Engine Oil 2.Front barke 3.Rear brake 4.Vehicle check 5.Brake fluid 6.Vehicle inspection 7.Exhaust emission inspection	

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
		Driver	DME Digital Motor Electronics	√	√	√	√	√		1.Clear Adaptations 2.DME/DDE-EWS adjustment 3.CO adjustment 4.Smooth running measurement 5.Tank Leakage System Check 6.Secondary Air System Check 7.Status Diagnosis Functions 8.OBD Readiness Display 9.Idle speed adjustment 10.Program All Adjustments 11.Operation On Roller Dynamometer or 1.Idle speed 2.Exhaust-gas recirculation 3.Start basic injection quantity 4.Limitation delivery 5.Injection rate 6.Consumption calculation 7.Injector rate adjustment	
			EGS Transmission control	√	√	√	√	√			
			EWS (Elec. immobilize system)	√	√	√	√	√			

## BMW V46.10 Diagnostics List (Note: For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
		Chassis	ABS Antilock brake	√	√	√	√	√		1.TEST PROCEDURES 2.BLEEDING THE ABS/ASC HYDRAULIC SYSTEM 3.RESET ABS MOTOR RELAY CLOCK COUNTER	
			EHC/EDC (Signal-axle air suspension)	√	√	√	√	√			
			LEW (Steering-angle sensor)	√	√	√	√	√			
			MFL (Multi-function steering wheel)	√	√	√	√	√			
		Body	AIC (Automatic Interval Control)	√	√	√	√	√			
			BIT (Basis Interface Telephone)	√	√	√	√	√			
			BM (On-board monitor)	√	√	√	√	√			
			GR (Cruise control)	√	√	√	√	√			
			IHKA/IHKB (AC/heater)	√	√	√	√	√			
			IKE/IKI/KOMBI	√	√	√	√	√			1.Reset service interval indicator
			LSZ/LCM (Light switching center)	√	√	√	√	√			
			NAV Navigation system	√	√	√	√	√			
			PDC Park Distance Control	√	√	√	√	√			
			RAD (Radio)	√	√	√	√	√			
			SES (Language-input system)	√	√	√	√	√			
			SHD Sliding/tilting sunroof	√	√	√	√	√			
			SPM/SM	√	√	√	√	√			
			SRS (Air bag)	√	√	√	√	√			
			SZM (Switching center, center console)	√	√	√	√	√			
			VID (Video Module)	√	√	√	√	√			
		DSP (Digital Sound Processor)	√	√	√	√	√				
		STH (Park heating)	√	√	√	√	√				

## BMW V46.10 Diagnostics List (Note: For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			ZKE (Central body electronic)	√	√	√	√	√			
		Short test		√	√	√					
			MRS3.C10							1.Recoding	
			ATC4_5.C01							1.Recoding	
			GM3_E53.C04							1.Recoding	
			GM3.C10							1.Recoding	
			GT.C01							1.Recoding	
			GT.C02							1.Recoding	
			GT.C03							1.Recoding	
			GT.C04							1.Recoding	
			GT.C05							1.Recoding	
			GT.C06							1.Recoding	
			GT.C07							1.Recoding	
			IHKA_E53.C03							1.Recoding	
			LCM.C18							1.Recoding	
			LCM.C20							1.Recoding	
			LCM.C21							1.Recoding	
			LCM.C22							1.Recoding	
			LCM.C23							1.Recoding	
			LCM.C24							1.Recoding	
			LWS5.C01							1.Recoding	
			MDS_SHD.C06							1.Recoding	
			MDS_SHD.C07							1.Recoding	
			PDC.C01							1.Recoding	
			PDC.C03							1.Recoding	
			RA_NG.C01							1.Recoding	
			RA_NG.C02							1.Recoding	
			RDC.C01							1.Recoding	
			RLS.C02							1.Recoding	

## BMW V46.10 Diagnostics List (Note: For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			SM_E53.C01							1.Recoding	
			TEL.C02							1.Recoding	
			TV2.C02							1.Recoding	
			TV2.C03							1.Recoding	
			ULF.C01							1.Recoding	
			ULF.C02							1.Recoding	
			ULF.C03							1.Recoding	
			ULF.C04							1.Recoding	
			ULF.C05							1.Recoding	
			ULF.C06							1.Recoding	
			ZHZ.C01							1.Recoding	
			DSC5_7.C11							1.Recoding	
			DSC5_7.C14							1.Recoding	
			DSC5_7.C15							1.Recoding	
			DSP.C01							1.Recoding	
			DSP2.C02							1.Recoding	
			DXC8_E53.C01							1.Recoding	
			DXC8_E53.C03							1.Recoding	
			DXC8_E53.C04							1.Recoding	
			EHC.C06							1.Recoding	
			EWS.C81							1.Recoding	
			KMB_E39.C06							1.Recoding	
			KMB_E39.C07							1.Recoding	
			KMBI_E38.C12							1.Recoding	
			MRS4_16.C32							1.Recoding	
			TCU_IBUS.C01							1.Recoding	
			TCU_IBUS.C02							1.Recoding	
			TCU_IBUS.C03							1.Recoding	
			TCU_IBUS.C04							1.Recoding	

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			TCU_IBUS.C05							1.Recoding	
			TCU_IBUS.C06							1.Recoding	
			TCU_IBUS.C07							1.Recoding	
			Car Key Memory\IHKA/ IHKR[A/C heater]\Recirculated air memory							1.Active 2.Not active	
			Car Key Memory\IHKA/ IHKR[A/C heater]\Key selective							1.Active 2.Not active	
			Car Key Memory\IHKA/ IHKR[A/C heater]\Temperature unit							1. °C 2. °F	
			Car Key Memory\KOM [Instrument cluster]\Language							1.German 2.English UK 3.English US 4.Italian 5.Spanish 6.Japanese 7.French 8.English (CDN) 9.Gulf states 10. ---	
			Car Key Memory\KOM [Instrument cluster]\Temperature							1. °C 2. °F	
			Car Key Memory\KOM [Instrument cluster]\Outside temperature warning							1.Active 2.Not active	
			Car Key Memory\KOM [Instrument cluster]\Distance							1.KM 2.MLS	
			Car Key Memory\KOM [Instrument cluster]\Time							1.24H 2.12H	

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			Car Key Memory\KOM [Instrument cluster]\Fuel consumption							1.1/100KM 2.MPG(UK) 3.MPG(US) 4.Km/litre	
			Car Key Memory\KOM [Instrument cluster]\Ignition key							1.Active 2.Not active	
			Car Key Memory\KOM [Instrument cluster]\Washer fluid warning							1.Active 2.Not active	
			Car Key Memory\KOM [Instrument cluster]\Rear lid warning							1.Active 2.Not active	
			Car Key Memory\KOM [Instrument cluster]\Doors warning							1.Active 2.Not active	
			Car Key Memory\KOM [Instrument cluster]\Brake light warning							1.Active 2.Not active	
			Car Key Memory\KOM [Instrument cluster]\Rear sidelights warning							1.Active 2.Not active	
			Car Key Memory\KOM [Instrument cluster]\Dipped beam warning							1.Active 2.Not active	
			Car Key Memory\LSZ/LCM [Light switching center]\Day time running lights(ECE)							1.Active 2.Not active	
			Car Key Memory\LSZ/LCM [Light switching center]\Day time running lights(US)							1.Active 2.Not active	
			Car Key Memory\LSZ/LCM [Light switching center]\Home lights							1.Not active 2.40 Seconds 3.90 Seconds 4.150 Seconds 5.240 Seconds	



## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			Car Key Memory\LSZ/LCM [Light switching center]\Home lights with dipped beam							1.Active 2.Not active	
			Car Key Memory\LSZ/LCM [Light switching center]\Home lights with rear sidelights							1.Active 2.Not active	
			Car Key Memory\LSZ/LCM [Light switching center]\Home lights with front sidelights							1.Active 2.Not active	
			Car Key Memory\LSZ/LCM [Light switching center]\Home lights with instrument lights							1.Active 2.Not active	
			Car Key Memory\LSZ/LCM [Light switching center]\Home lights with license plate							1.Active 2.Not active	
			Car Key Memory\LSZ/LCM [Light switching center]\Home lights with front fog lights							1.Active 2.Not active	
			Car Key Memory\LSZ/LCM [Light switching center]\Home lights with main beam							1.Active 2.Not active	
			Car Key Memory\LSZ/LCM [Light switching center]\Home lights with brake lights							1.Active 2.Not active	
			Car Key Memory\LSZ/LCM [Light switching center]\Key in ignition warning(if door is opened)							1.Active 2.Not active	

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
		Coding / Program	Car Key Memory\PDC [Park Distance Control]\Switch on message(rear)							1.Active 2.Not active	
			Car Key Memory\PDC [Park Distance Control]\Rear volume							1.Stage 1 2.Stage 2 3.Stage 3 4.Stage 4 5.Stage 5 6.Stage 6	
			Car Key Memory\RAD[Radio]\New generation radio key selective							1.Active 2.Not active	
			Car Key Memory\SMF[Seat memory, driver]\Seat position							1.When car is unlocked 2.When door is opened 3.Not active	
			Car Key Memory\ZKE [Central Body Electronic] \Burglar alarm system\Compartment sensor,front passenger							1.Active 2.Not active	
			Car Key Memory\ZKE [Central Body Electronic] \Burglar alarm system\Passenger compartment sensor back(touring)							1.Active 2.Not active	
			Car Key Memory\ZKE [Central Body Electronic] \Burglar alarm system\Tilt sensor							1.Active 2.Not active	
			Car Key Memory\ZKE [Central Body Electronic] \Burglar alarm system\Activating and deactivating dwa							1.RC ONLY 2.KEY AND RC	

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			Car Key Memory\ZKE [Central Body Electronic] \Burglar alarm system\Disarm visually							1.Active 2.Not active	
			Car Key Memory\ZKE [Central Body Electronic] \Burglar alarm system\Disarm acoustically							1.Active 2.Not active	
			Car Key Memory\ZKE [Central Body Electronic] \Burglar alarm system\Arm visually							1.Active 2.Not active	
			Car Key Memory\ZKE [Central Body Electronic] \Burglar alarm system\Arm acoustically							1.Active 2.Not active	
			Car Key Memory\ZKE [Central Body Electronic] \Burglar alarm system\Arm acknowledgement when all doors/lids closed							1.Active 2.Not active	
			Car Key Memory\ZKE [Central Body Electronic] \Burglar alarm system\Acknowledgement without dwa							1.Active 2.Not active	
			Car Key Memory\ZKE [Central Body Electronic] \Central locking\Rc interior light							1.Active 2.Not active	
			Car Key Memory\ZKE [Central Body Electronic] \Central locking\Rc panic mode							1.Active 2.Not active	

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			Car Key Memory\ZKE [Central Body Electronic] \Central locking\Open luggage compartment via remote control							1.Active 2.Not active	
			Car Key Memory\ZKE [Central Body Electronic] \Central locking\Relock 2 minimum after unlocking							1.Active 2.Not active	
			Car Key Memory\ZKE [Central Body Electronic] \Central locking\Automatic locking							1.Active 2.Not active	
			Car Key Memory\ZKE [Central Body Electronic] \Central locking\Automatic locking(key 1)							1.Active 2.Not active	
			Car Key Memory\ZKE [Central Body Electronic] \Central locking\Automatic locking(key 2)							1.Active 2.Not active	
			Car Key Memory\ZKE [Central Body Electronic] \Central locking\Automatic locking(key 3)							1.Active 2.Not active	
			Car Key Memory\ZKE [Central Body Electronic] \Central locking\Automatic locking(key 4)							1.Active 2.Not active	

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			Car Key Memory\ZKE [Central Body Electronic] \Central locking\Automatic locking speed							1.0 KM/H 2.4 KM/H 3.8 KM/H 4.12 KM/H 5.16 KM/H 6.20 KM/H 7.24 KM/H 8.28 KM/H	
			Car Key Memory\ZKE [Central Body Electronic] \Central locking\Automatic relocking							1.Active 2.Not active	
			Car Key Memory\ZKE [Central Body Electronic] \Central locking>Selective central locking							1.Active 2.Not active	
			Car Key Memory\ZKE [Central Body Electronic] \Central locking>Selective central locking(key 1)							1.Active 2.Not active	
			Car Key Memory\ZKE [Central Body Electronic] \Central locking>Selective central locking(key 2)							1.Active 2.Not active	
			Car Key Memory\ZKE [Central Body Electronic] \Central locking>Selective central locking(key 3)							1.Active 2.Not active	

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			Car Key Memory\ZKE [Central Body Electronic] \Central locking>Selective central locking(key 4)							1.Active 2.Not active	
			Car Key Memory\ZKE [Central Body Electronic] \Window regulators/slide /tilt sunroof\Window deactivation condition							1.Open door 2.Close door	
			Car Key Memory\ZKE [Central Body Electronic] \Window regulators/slide /tilt sunroof\One touch open,driver's window							1.Active 2.Not active	
			Car Key Memory\ZKE [Central Body Electronic] \Window regulators/slide /tilt sunroof\One touch close,driver's window							1.Active 2.Not active	
			Car Key Memory\ZKE [Central Body Electronic] \Window regulators/slide /tilt sunroof\One touch open,passenger's window							1.Active 2.Not active	
			Car Key Memory\ZKE [Central Body Electronic] \Window regulators/slide /tilt sunroof\One touch close,passenger's window							1.Active 2.Not active	

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			Car Key Memory\ZKE [Central Body Electronic] \Window regulators/slide /tilt sunroof\One touch open,rear windows							1.Active 2.Not active	
			Car Key Memory\ZKE [Central Body Electronic] \Window regulators/slide /tilt sunroof\One touch close,rear windows							1.Active 2.Not active	
			Car Key Memory\ZKE [Central Body Electronic] \Window regulators/slide /tilt sunroof\One touch open sunroof							1.Active 2.Not active	
			Car Key Memory\ZKE [Central Body Electronic] \Window regulators/slide /tilt sunroof\One touch close sunroof							1.Active 2.Not active	
			Car Key Memory\ZKE [Central Body Electronic] \Window regulators/slide /tilt sunroof\Convenient closing rc							1.Active 2.Not active	
			Car Key Memory\ZKE [Central Body Electronic] \Window regulators/slide /tilt sunroof\Convenient opening rc							1.Active 2.Not active	

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			Car Key Memory\ZKE [Central Body Electronic] \Window regulators/slide /tilt sunroof\Lower power window after trapping							1.Long 2.Short	
			Car Key Memory\ZKE [Central Body Electronic] \Interior lighting\Soft on/off							1.Active 2.Not active	
			Car Key Memory\ZKE [Central Body Electronic] \Windscreen wipers\Switch down when stationary							1.Active 2.Not active	
			Car Key Memory\ZKE [Central Body Electronic] \Windscreen wipers\Wipe interval when stationary							1.3 Seconds 2.5 Seconds	
			Service functions							1. Key Test 2. Display status of all keys 3. Disable/Enable key	
			CAS Car Access System	√	√	√	√	√	√	1.Personalisation key number 2.Disable_enable key 3.Reset internal ELV fault counter	



## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			DDE Diesel Electronics	√	√	√	√	√	√	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	

## BMW V46.10 Diagnostics List (Note: For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
		Driver	DME Digital Motor Electronics	√	√	√	√	√	√	1.DME-CAS adjustment 2.CO adjustment 3.Clear adaptations 4.Delete adaptations/variants 5.Idle speed adjustment 6.Consumption indicator adjustment 7.Learning Valvetronic limit positions 8.Venting, cooling system 9.Register battery change 10.Remove Valvetronic servomotor 11.OBD readiness codes 12.Regeneration, particulate filter 13.Exhaust VANOS test 14. Valvetronic adaptation limit positions	

## BMW V46.10 Diagnostics List (Note: For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			EGS Transmission control	√	√	√	√	√		1.Reset adaptation values 2.Reset learning functions 3.Mechatronics adjustment 4.Oil-level adjustment 5.Oil lifetime 6.Teach in transmission 7.Teach in clutch slip 8.Reset clutch characteristic 9.Teach in valve characteristic curve 10.Parking lock, hook test 11.Parking lock, function test	
			GWS Gear selector switch	√	√	√	√	√			
			EKPS Fuel-pump control	√	√	√	√	√	√		
			QMVH [Lateral-moment distribution, rear axle]	√	√	√	√	√			
			VTC Valvetronic	√	√	√	√	√			
			VTC2 Valvetronic 2	√	√	√	√	√			
			VTG Transfer case	√	√	√	√	√		Oil change	
			AL Active steering	√	√	√	√	√		1.Startup/adjustment, active front steering	
			ARS Dynamic Drive	√	√	√	√	√		Start startup Sensor values	

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
	X5-E70	Chassis	DSC Dynamic Stability Control	√	√	√	√	√	√	1.Bleeding DSC Hydraulics 2.Mix Up Check BrakeLines 3.Run flat indicator initialisation 4.Longitudinal acceleration sensor matching 5.DSC sensors check	
			EDCSHL Damper satellite, rear left	√	√	√	√	√		Vertical ACC. Sensor adjustment	
			EDCSHR Damper satellite, rear right	√	√	√	√	√		Vertical ACC. Sensor adjustment	
			EDCSVL Damper satellite, front left	√	√	√	√	√		Vertical ACC. Sensor adjustment	
			EDCSVR Damper satellite, front right	√	√	√	√	√		Vertical ACC. Sensor adjustment	
			EHC Electronic Ride-Height Control	√	√	√	√	√		1.Check Ride Level Sensors 2.Delete Energy Saving Mode 3.Check Air Supply System 4.Check Compressor Relay 5.Check Raise/lower Function	
			EMF Parking brake	√	√	√	√	√		1.Workshop braking-in 2.Assembly mode 3.Positioning-travel check	
			RDC Tyre pressure control	√	√	√	√	√			
			VDM Vertical Dynamics Management	√	√	√	√	√			
			ACSM Crash Safety Module	√	√	√	√	√			

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu			Functions								
Series	Chassis	Module	Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others	
		AHM Trailer module	√	√	√	√	√				
		AMPH Hi-Fi amplifier	√	√	√	√	√				
		AMPT Top Hi-Fi amplifier	√	√	√	√	√				
		CA Comfort Access	√	√	√	√	√				
		CCC-A Applications	√	√	√	√	√				
		CCC-ANT Aerial tuner	√	√	√	√	√		Test AM/FM		
		CCC-ASK Audio system controller	√	√	√	√	√				
		CCC-BO User interface	√	√	√	√	√				
		CCC-GW Gateway	√	√	√	√	√		Set tuner to New Zealand coding Heat unit malfunction Reset hip module		
		CDC CD Changer	√	√	√	√	√				
		CHAMP-BO User interface	√	√	√	√	√				
		CHAMP-GW Gateway	√	√	√	√	√				
		CID Central Information Display	√	√	√	√	√		General fault info		
		CNAV Navigation system, China	√	√	√	√	√				
		CON Controller	√	√	√	√	√				
		DAB Digital tuner	√	√	√	√	√				
		DVD-C DVD Changer	√	√	√	√	√				
		FD Rear-compartment display	√	√	√	√	√				
		FKA Rear heater/air conditioning	√	√	√	√	√		Drain/fill refrigerant circuit		
		FLA High Beam Assist	√	√	√	√	√				
		FRM2 Footwell module 2	√	√	√	√	√		Start windows initialising Rear windows, initialising Rear windows, test		
		FZD Function centre, roof	√	√	√	√	√		1.Initialize rain sensor 2.Sunroof initialisation		

Body

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			HKL Rear-lid lift	√	√	√	√	√			
			HUD Head-Up Display	√	√	√	√	√			
			IBOC Digital tuner US	√	√	√	√	√			
			IHKA Integrated automatic heating/air conditioning	√	√	√	√	√		1.Flap motors 2.Coolant compressor	
			INSTR Instrument cluster	√	√	√	√	√	√		
			JBE2 Junction Box electronics 2	√	√	√	√	√			
			JNAV Navigation system, Japan	√	√	√	√	√			
			KHM Headphones moudule	√	√	√	√	√			
			KNAV Navigation system, Korea	√	√	√	√	√			
			M-ASK-BO User interface	√	√	√	√	√			
			M-ASK-GW Gateway	√	√	√	√	√			
			PDC Park Distance Control	√	√	√	√	√			
			RFK Reversing camera	√	√	√	√	√			
			RLSS Rain/light solar sensor	√	√	√	√	√		1.Initialize rain sensor	
			RSE Rear Seat Entertainment	√	√	√	√	√			
			SDARS satellite tuner	√	√	√	√	√			
			SINE Siren with tilt sensor	√	√	√	√	√			
			SMBF Seat module, passenger	√	√	√	√	√			
			SMFA Seat module, driver	√	√	√	√	√		Normalisation of seat adjustment	
			TCU Telematic Control unit	√	√	√	√	√			
			ULF-SBX Interface box	√	√	√	√	√			
			ULF-SBX-H Interface box High	√	√	√	√	√			
			VM Video Module	√	√	√	√	√			
			VSW video switch	√	√	√	√	√			
			Short test	√	√	√					

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions								
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others	
		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 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 9.Vehicle inspection 10.Exhaust emission inspection		
			Maintenance								1.Delete transport mode	
			Service functions								Adjustment, Steering-angle sensor	

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			CAS Car Access System	√	√	√	√	√	√	1.Personalisation key number 2.Disable_enable key 3.Reset internal ELV fault counter	
			DDE Diesel Electronics	√	√	√	√	√	√	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	



## BMW V46.10 Diagnostics List (Note: For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
		Driver	DME Digital Motor Electronics	√	√	√	√	√	√	1.DME-CAS adjustment 2.CO adjustment 3.Clear adaptations 4.Delete adaptations/variants 5.Idle speed adjustment 6.Consumption indicator adjustment 7.Learning Valvetronic limit positions 8.Venting, cooling system 9.Register battery change 10.Remove Valvetronic servomotor 11.OBD readiness codes 12.Regeneration, particulate filter 13.Exhaust VANOS test 14. Valvetronic adaptation limit positions	

## BMW V46.10 Diagnostics List (Note: For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			EGS Transmission control	√	√	√	√	√		1.Reset adaptation values 2.Reset learning functions 3.Mechatronics adjustment 4.Oil-level adjustment 5.Oil lifetime 6.Teach in transmission 7.Teach in clutch slip 8.Reset clutch characteristic 9.Teach in valve characteristic curve 10.Parking lock, hook test 11.Parking lock, function test	
			GWS Gear selector switch	√	√	√	√	√			
			EKPS Fuel-pump control	√	√	√	√	√	√		
			QMVH [Lateral-moment distribution, rear axle]	√	√	√	√	√			
			VTG Transfer case	√	√	√	√	√		Oil change	
			AL Active steering	√	√	√	√	√		1.Startup/adjustment, active front steering	
			ARS Dynamic Drive	√	√	√	√	√		Start startup Sensor values	



## BMW V46.10 Diagnostics List (Note: For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			ACSM Crash Safety Module	√	√	√	√	√			
			AHM Trailer module	√	√	√	√	√			
			AMPH Hi-Fi amplifier	√	√	√	√	√			
			AMPT Top Hi-Fi amplifier	√	√	√	√	√			
			CA Comfort Access	√	√	√	√	√			
			CCC-A Applications	√	√	√	√	√			
			CCC-ANT Aerial tuner	√	√	√	√	√		Test AM/FM	
			CCC-ASK Audio system controller	√	√	√	√	√			
			CCC-BO User interface	√	√	√	√	√			
			CCC-GW Gateway	√	√	√	√	√		Set tuner to New Zealand coding Heat unit malfunction Reset hip module	
			CDC CD Changer	√	√	√	√	√			
			CHAMP-BO User interface	√	√	√	√	√			
			CHAMP-GW Gateway	√	√	√	√	√			
			CID Central Information Display	√	√	√	√	√		General fault info	
			CNAV Navigation system, China	√	√	√	√	√			
			CON Controller	√	√	√	√	√			
			DAB Digital tuner	√	√	√	√	√			
			DVD-C DVD Changer	√	√	√	√	√			
			FD Rear-compartment display	√	√	√	√	√			
			FKA Rear heater/air conditioning	√	√	√	√	√		Drain/fill refrigerant circuit	
			FLA High Beam Assist	√	√	√	√	√			
			FRM2 Footwell module 2	√	√	√	√	√		Start windows initialising Rear windows, initialising Rear windows, test	
		Body	FZD Function centre, roof	√	√	√	√	√		1.Initialize rain sensor 2.Sunroof initialisation	

## BMW V46.10 Diagnostics List (Note: For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			HKL Rear-lid lift	√	√	√	√	√			
			HUD Head-Up Display	√	√	√	√	√			
			IBOC Digital tuner US	√	√	√	√	√			
			IHKA Integrated automatic heating/air conditioning	√	√	√	√	√		1.Flap motors 2.Coolant compressor	
			INSTR Instrument cluster	√	√	√	√	√	√		
			JBE2 Junction Box electronics 2	√	√	√	√	√			
			JNAV Navigation system, Japan	√	√	√	√	√			
			KHI Headset interface	√	√	√	√	√			
			KNAV Navigation system, Korea	√	√	√	√	√			
			M-ASK-BO User interface	√	√	√	√	√			
			M-ASK-GW Gateway	√	√	√	√	√			
			PDC Park Distance Control	√	√	√	√	√			
			RFK Reversing camera	√	√	√	√	√			
			RLSS Rain/light solar sensor	√	√	√	√	√		1.Initialize rain sensor	
			RSE Rear Seat Entertainment	√	√	√	√	√			
			SDARS satellite tuner	√	√	√	√	√			
			SINE Siren with tilt sensor	√	√	√	√	√			
			SMBF Seat module, passenger	√	√	√	√	√			
			SMFA Seat module, driver	√	√	√	√	√		Normalisation of seat adjustment	
			TCU Telematic Control unit	√	√	√	√	√			
			ULF-SBX Interface box	√	√	√	√	√			
			ULF-SBX-H Interface box High	√	√	√	√	√			
			VM Video Module	√	√	√	√	√			
			VSW video switch	√	√	√	√	√			
			Short test	√	√	√					

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions								
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others	
		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 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 9.Vehicle inspection 10.Exhaust emission inspection		
			Maintenance								1.Delete transport mode	
			Service functions								1.Adjustment, Steering-angle sensor	

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions								
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others	
Z1-E30		Driver	DME Digital Motor Electronics	√	√	√	√	√		1.Clear Adaptations 2.DME/DDE-EWS adjustment 3.CO adjustment 4.Smooth running measurement 5.Tank Leakage System Check 6.Secondary Air System Check 7.Status Diagnosis Functions 8.OBD Readiness Display 9.Idle speed adjustment 10.Program All Adjustments 11.Operation On Roller Dvnamometer		
			EGS Transmission control	√	√	√	√	√				
			EWS (Elec. immobilize system)	√	√	√	√	√				
		Chassis	ABS Antilock brake	√	√	√	√	√			1.TEST PROCEDURES 2.BLEEDING THE ABS/ASC HYDRAULIC SYSTEM 3.RESET ABS MOTOR RELAY CLOCK COUNTER	
			EHC/EDC (Signal-axle air suspension)	√	√	√	√	√				
			ADS Throttle-Valve Control	√	√	√	√	√				
			AHK (Active-Axle Kinematics)	√	√	√	√	√				
			CVM Convertible-top module	√	√	√	√	√				

## BMW V46.10 Diagnostics List (Note: For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
		Body	DWA Antitheft alarm system	√	√	√	√	√			
			EKM (Electronic Body Module)	√	√	√	√	√			
			EML (Elec. throttle)	√	√	√	√	√			
			FHK (Rear Heater A/C System)	√	√	√	√	√			
			GR (Cruise control)	√	√	√	√	√			
			GSA (Closed-Loop-Controlled Differential-Lock AWD)	√	√	√	√	√			
			IHKA/IHKR (AC/heater)	√	√	√	√	√			
			IKE/IKI/KOMBI	√	√	√	√	√			
			LSZ/LCM (Light switching center)	√	√	√	√	√			
			MID (Multi Information Display)	√	√	√	√	√			
			PDC Park Distance Control	√	√	√	√	√			
			RAD (Radio)	√	√	√	√	√			
			SHD Sliding/tilting sunroof	√	√	√	√	√			
			SPM/SM	√	√	√	√	√			
			SRS (Air bag)	√	√	√	√	√			
			URS (Rollover sensor)	√	√	√	√	√			
			VMX (Top-speed Regulation)	√	√	√	√	√			
			VNC (Variable Camshaft Control)	√	√	√	√	√			
			XEN (XENON LIGHTS)	√	√	√	√	√			
			ZKE (Central body electronic)	√	√	√	√	√			
		Short test		√	√	√					
		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 V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
		Driver	DME Digital Motor Electronics	√	√	√	√	√		1.Clear Adaptations 2.DME/DDE-EWS adjustment 3.CO adjustment 4.Smooth running measurement 5.Tank Leakage System Check 6.Secondary Air System Check 7.Status Diagnosis Functions 8.OBD Readiness Display 9.Idle speed adjustment 10.Program All Adjustments 11.Operation On Roller Dynamometer or 1.Idle speed 2.Exhaust-gas recirculation 3.Start basic injection quantity 4.Limitation delivery 5.Injection rate 6.Consumption calculation 7.Injector rate adjustment	
			EGS Transmission control	√	√	√	√	√			
			EWS (Elec. immobilize system)	√	√	√	√	√			

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
		Chassis	ABS Antilock brake	√	√	√	√	√		1.TEST PROCEDURES 2.BLEEDING THE ABS/ASC HYDRAULIC SYSTEM 3.RESET ABS MOTOR RELAY CLOCK COUNTER	
			EHC/EDC (Signal-axle air suspension)	√	√	√	√	√			
		Body	ADS Throttle-Valve Control	√	√	√	√	√			
			AHK (Active-Axle Kinematics)	√	√	√	√	√			
			CVM Convertible-top module	√	√	√	√	√			
			DWA Antitheft alarm system	√	√	√	√	√			
			EKM (Electronic Body Module)	√	√	√	√	√			
			EML (Elec. throttle)	√	√	√	√	√			
			FHK (Rear Heater A/C System)	√	√	√	√	√			
			GR (Cruise control)	√	√	√	√	√			
			GSA (Closed-Loop-Controlled Differential-Lock AWD)	√	√	√	√	√			
			IHKA/IHKR (AC/heater)	√	√	√	√	√			
			IKE/IKI/KOMBI	√	√	√	√	√			
			LSZ/LCM (Light switching center)	√	√	√	√	√			
			MID (Multi Information Display)	√	√	√	√	√			
			PDC Park Distance Control	√	√	√	√	√			
			RAD (Radio)	√	√	√	√	√			
			SHD Sliding/tilting sunroof	√	√	√	√	√			
		SPM/SM	√	√	√	√	√				
		SRS (Air bag)	√	√	√	√	√				
		URS (Rollover sensor)	√	√	√	√	√				

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions								
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others	
	Z3-E36		VMX (Top-speed Regulation)	√	√	√	√	√				
			VNC (Variable Camshaft Control)	√	√	√	√	√				
			XEN (XENON LIGHTS)	√	√	√	√	√				
			ZKE (Central body electronic)	√	√	√	√	√				
		Short test		√	√	√						
		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	

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
		Coding / Program	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	

## BMW **V46.10** Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			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 V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
		Driver	DME Digital Motor Electronics	√	√	√	√	√	√	1.Clear Adaptations 2.DME/DDE-EWS adjustment 3.CO adjustment 4.Smooth running measurement 5.Tank Leakage System Check 6.Secondary Air System Check 7.Status Diagnosis Functions 8.OBD Readiness Display 9.Idle speed adjustment 10.Program All Adjustments 11.Operation On Roller Dynamometer or 1.Idle speed 2.Exhaust-gas recirculation 3.Start basic injection quantity 4.Limitation delivery 5.Injection rate 6.Consumption calculation 7.Injector rate adjustment	
			EGS Transmission control	√	√	√	√	√	√		
			EKPS ( Fuel-pump control)	√	√	√	√	√	√		
			EWS (Elec. immobilize system)	√	√	√	√	√			

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
		Chassis	ABS Antilock brake	√	√	√	√	√		1.TEST PROCEDURES 2.BLEEDING THE ABS/ASC HYDRAULIC SYSTEM 3.RESET ABS MOTOR RELAY CLOCK COUNTER	
			EPS Electronic Power Steering	√	√	√	√	√			
			LEW (Steering-angle sensor)	√	√	√	√	√			
		Body	AIC (Automatic Interval Control)	√	√	√	√	√			
			CID Central Information Display	√	√	√	√	√			
			CVM Convertible-top module	√	√	√	√	√			
			IHKA/IHKR (AC/heater)	√	√	√	√	√			
			IKE/IKI/KOMBI	√	√	√	√	√	√	1.Reset service interval indicator	
			LSZ/LCM (Light switching center)	√	√	√	√	√			
			PDC Park Distance Control	√	√	√	√	√			
			RAD (Radio)	√	√	√	√	√			
			SBSL Satellite, B-pillar, left	√	√	√	√	√			
			SBSR Satellite, B-pillar, right	√	√	√	√	√			
			SIM Safety and Information Module	√	√	√	√	√			
			SMF (Seat memory,driver)	√	√	√	√	√			
			SZM (Switching center, center console)	√	√	√	√	√			
			VID (Video Module)	√	√	√	√	√			
			ZKE (Central body electronic)	√	√	√	√	√			
		Short test		√	√	√					
			CVM_IV.C01							1.Recoding	
			CVM_IV.C02							1.Recoding	
			CVM_IV.C04							1.Recoding	
			DSP_E85.C01							1.Recoding	

## BMW V46.10 Diagnostics List (Note: For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			DSP_E85.C02							1.Recoding	
			EPS_E85.C01							1.Recoding	
			EPS_E85.C02							1.Recoding	
			EWS.C81							1.Recoding	
			GM5.C04							1.Recoding	
			GM5.C05							1.Recoding	
			IHK_E85.C01							1.Recoding	
			IHK_E85.C02							1.Recoding	
			IHK_E85.C03							1.Recoding	
			LSZ.C31							1.Recoding	
			LSZ.C32							1.Recoding	
			LSZ.C34							1.Recoding	
			LSZ.C35							1.Recoding	
			LSZ.C36							1.Recoding	
			LWS5.C01							1.Recoding	
			MK60.C10							1.Recoding	
			MK60.C13							1.Recoding	
			MK60.C20							1.Recoding	
			MV946.C0D							1.Recoding	
			PDC.C03							1.Recoding	
			RA_NG.C01							1.Recoding	
			RA_NG.C02							1.Recoding	
			RLS.C02							1.Recoding	
			SIM_E85.C01							1.Recoding	
			SIM_E85.C02							1.Recoding	
			SIM_E85.C03							1.Recoding	
			SIM_E85.C04							1.Recoding	
			SM_E46.C01							1.Recoding	
			TV2.C02							1.Recoding	



## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			TV2.C03							1.Recoding	
			ULF.C01							1.Recoding	
			ULF.C02							1.Recoding	
			ULF.C03							1.Recoding	
			ULF.C04							1.Recoding	
			ULF.C05							1.Recoding	
			ULF.C06							1.Recoding	
			MSV70. C01							1.Recoding	
			MSV70. C03							1.Recoding	
			ACSM. C01							1.Recoding	
			ACSM. C04							1.Recoding	
			ACSM. C05							1.Recoding	
			ACSM. C06							1.Recoding	
			LSZ. C37							1.Recoding	
			CVM_IV. C07							1.Recoding	
			EKPM60_2. C03							1.Recoding	
			EPS_E85. C03							1.Recoding	
			Car Key Memory\IHKA [Integrated automatic heating/ A/C control]\Recirculated air memory							1.Not active 2.Active	
			Car Key Memory\IHKA [Integrated automatic heating/ A/C control]\Key memory of heat/ac/ventilation							1.Not active 2.Active	
			Car Key Memory\IHKA [Integrated automatic heating/ A/C control]\Set fan power\Key 1							1.Not active 2.Raise 3.Lower	
			Car Key Memory\IHKA [Integrated automatic heating/ A/C control]\Set fan power\Key 2							1.Not active 2.Raise 3.Lower	

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			Car Key Memory\IHKA [Integrated automatic heating/ A/C control]\Set fan power\Key 3							1.Not active 2.Raise 3.Lower	
			Car Key Memory\IHKA [Integrated automatic heating/ A/C control]\Set fan power\Key 4							1.Not active 2.Raise 3.Lower	
			Car Key Memory\IHKA [Integrated automatic heating/ A/C control]\Correction set temperature\Key 1							1.Not active 2.+1° 3.+2° 4.+3° 5.-3° 6.-1° 7.-2° 8.-3°	
			Car Key Memory\IHKA [Integrated automatic heating/ A/C control]\Correction set temperature\Key 2							1.Not active 2.+1° 3.+2° 4.+3° 5.-3° 6.-1° 7.-2° 8.-3°	

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			Car Key Memory\IHKA [Integrated automatic heating/ A/C control]\Correction set temperature\Key 3							1.Not active 2.+1° 3.+2° 4.+3° 5.-3° 6.-1° 7.-2° 8.-3°	
			Car Key Memory\IHKA [Integrated automatic heating/ A/C control]\Correction set temperature\Key 4							1.Not active 2.+1° 3.+2° 4.+3° 5.-3° 6.-1° 7.-2° 8.-3°	
			Car Key Memory\IHKA [Integrated automatic heating/ A/C control]\Air conditioning on at\Key 1							1.Not active 2.Active	
			Car Key Memory\IHKA [Integrated automatic heating/ A/C control]\Air conditioning on at\Key 2							1.Not active 2.Active	
			Car Key Memory\IHKA [Integrated automatic heating/ A/C control]\Air conditioning on at\Key 3							1.Not active 2.Active	
			Car Key Memory\IHKA [Integrated automatic heating/ A/C control]\Air conditioning on at\Key 4							1.Not active 2.Active	

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			Car Key Memory\IHKA [Integrated automatic heating/ A/C control]\Close Footwell Flap\Key 1							1.Not active 2.Active	
			Car Key Memory\IHKA [Integrated automatic heating/ A/C control]\Close Footwell Flap\Key 2							1.Not active 2.Active	
			Car Key Memory\IHKA [Integrated automatic heating/ A/C control]\Close Footwell Flap\Key 3							1.Not active 2.Active	
			Car Key Memory\IHKA [Integrated automatic heating/ A/C control]\Close Footwell Flap\Key 4							1.Not active 2.Active	
			Car Key Memory\KOM [Instrument cluster]\Time							1.24H 2.12H	
			Car Key Memory\KOM [Instrument cluster]\Fuel consumption							1.L/100 KM 2.MPG(UK) 3.MPG(US) 4.KM/LITRE	
			Car Key Memory\KOM [Instrument cluster]\Temperature							1.°C 2.°F	
			Car Key Memory\KOM [Instrument cluster]\Outside temperature warning							1.Not active 2.Active	
			Car Key Memory\KOM [Instrument cluster]\Ignition key Warning							1.Not active 2.Active	
			Car Key Memory\LSZ/LCM [Light switching center]\Day time running lights(ECE)							1.Not active 2.Active	

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions									
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others		
Z4- E85/E86			Car Key Memory\LSZ/LCM [Light switching center]\Day time running lights(UC)							1.Not active 2.Active			
			Car Key Memory\LSZ/LCM [Light switching center]\Home lights							1.Not active 2.40 Seconds 3.90 Seconds 4.150 Seconds 5.240 Seconds			
			Car Key Memory\PDC [Park Distance Control]\Switch on message(rear)								1.Not active 2.Active		
			Car Key Memory\PDC [Park Distance Control]\Volume level								1.1 2.2 3.3 4.4 5.5 6.6		
			Car Key Memory\RAD [Radio]\New generation radio key selective									1.Not active 2.Active	
			Car Key Memory\SMF [Seat memory, driver]\Seat position									1.When car is unlocked 2.When door is opened 3.Not active	
			Car Key Memory\TCU [Telematic Control unit]\Speed raising volume stage(GAL)									1.30 KM/H 2.40 KM/H 3.48 KM/H 4.56 KM/H	
			Car Key Memory\TCU [Telematic Control unit]\Wake up by e-call									1.Not active 2.Active	

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions								
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others	
		Coding / Program	Car Key Memory\ULF [Universal charging and hands-free facility]\Voice recognition							1.Not active 2.German		
			Car Key Memory\ULF [Universal charging and hands-free facility]\Speed raising volume stage							1.1 KM/H 2.30 KM/H 3.40 KM/H 4.48 KM/H 5.56KM/H 6.63 KM/H		
			Car Key Memory\ZKE [Central Body Electronic] \Burglar alarm system\Compartment sensor,front passenger								1.Not active 2.Active	
			Car Key Memory\ZKE [Central Body Electronic] \Burglar alarm system\Passenger compartment sensor back(touring)								1.Not active 2.Active	
			Car Key Memory\ZKE [Central Body Electronic] \Burglar alarm system\Tilt sensor								1.Not active 2.Active	
			Car Key Memory\ZKE [Central Body Electronic]\Burglar alarm system\Activating and deactivating dwa								1.Rc only 2.Key and rc	
			Car Key Memory\ZKE [Central Body Electronic]\Burglar alarm system\Disarm visually								1.Not active 2.Active	

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			Car Key Memory\ZKE [Central Body Electronic]\Burglar alarm system\Disarm acoustically							1.Not active 2.Active	
			Car Key Memory\ZKE [Central Body Electronic]\Burglar alarm system\Arm visually							1.Not active 2.Active	
			Car Key Memory\ZKE [Central Body Electronic]\Burglar alarm system\Arm acoustically							1.Not active 2.Active	
			Car Key Memory\ZKE [Central Body Electronic]\Burglar alarm system\Arm visually doors/lids closed							1.Not active 2.Active	
			Car Key Memory\ZKE [Central Body Electronic]\Burglar alarm system\Arm acoustically doors/lids closed							1.Not active 2.Active	
			Car Key Memory\ZKE [Central Body Electronic]\Burglar alarm system\Acknowledgement without dwa							1.Not active 2.Active	
			Car Key Memory\ZKE [Central Body Electronic]\Central locking\Rc interior light							1.Not active 2.Active	
			Car Key Memory\ZKE [Central Body Electronic]\Central locking\Rc panic mode							1.Not active 2.Active	

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			Car Key Memory\ZKE [Central Body Electronic]\Central locking\Release rear window from inside							1.Not active 2.Active	
			Car Key Memory\ZKE [Central Body Electronic]\Central locking\"open luggage compartment via Remote control"							1.Not active 2.Active	
			Car Key Memory\ZKE [Central Body Electronic]\Central locking\Relock 2 minutes after unlocking							1.Not active 2.Active	
			Car Key Memory\ZKE [Central Body Electronic]\Central locking\Centre lock button when locked							1.Not active 2.Active	
			Car Key Memory\ZKE [Central Body Electronic]\Central locking\Automatic locking\Car							1.Not active 2.Active	
			Car Key Memory\ZKE [Central Body Electronic]\Central locking\Automatic locking\Key 1							1.Not active 2.Active	
			Car Key Memory\ZKE [Central Body Electronic]\Central locking\Automatic locking\Key 2							1.Not active 2.Active	
			Car Key Memory\ZKE [Central Body Electronic]\Central locking\Automatic locking\Key 3							1.Not active 2.Active	
			Car Key Memory\ZKE [Central Body Electronic]\Central locking\Automatic locking\Key 4							1.Not active 2.Active	



## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			Car Key Memory\ZKE [Central Body Electronic]\Central locking>Selective central locking\Car							1.Not active 2.Active	
			Car Key Memory\ZKE [Central Body Electronic]\Central locking>Selective central locking\Key 1							1.Not active 2.Active	
			Car Key Memory\ZKE [Central Body Electronic]\Central locking>Selective central locking\Key 2							1.Not active 2.Active	
			Car Key Memory\ZKE [Central Body Electronic]\Central locking>Selective central locking\Key 3							1.Not active 2.Active	
			Car Key Memory\ZKE [Central Body Electronic]\Central locking>Selective central locking\Key 4							1.Not active 2.Active	
			Car Key Memory\ZKE [Central Body Electronic]\Central locking\Convenient access\Car							1.Not active 2.Active	
			Car Key Memory\ZKE [Central Body Electronic]\Central locking\Convenient access\Key 1							1.Not active 2.Active	
			Car Key Memory\ZKE [Central Body Electronic]\Central locking\Convenient access\Key 2							1.Not active 2.Active	

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			Car Key Memory\ZKE [Central Body Electronic]\Central locking\Convenient access\Key 3							1.Not active 2.Active	
			Car Key Memory\ZKE [Central Body Electronic]\Central locking\Convenient access\Key 4							1.Not active 2.Active	
			Car Key Memory\ZKE [Central Body Electronic]\Central locking\Unlock remote\Key 1							1.Not active 2.Active	
			Car Key Memory\ZKE [Central Body Electronic]\Central locking\Unlock remote\Key 2							1.Not active 2.Active	
			Car Key Memory\ZKE [Central Body Electronic]\Central locking\Unlock remote\Key 3							1.Not active 2.Active	
			Car Key Memory\ZKE [Central Body Electronic]\Central locking\Unlock remote\Key 4							1.Not active 2.Active	
			Car Key Memory\ZKE [Central Body Electronic]\Window regulators/slide/tilt sunroof\One touch open,driver's window							1.Not active 2.Active	
			Car Key Memory\ZKE [Central Body Electronic]\Window regulators/slide/tilt sunroof\One touch close,driver's window							1.Not active 2.Active	

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
Z Series			Car Key Memory\ZKE [Central Body Electronic]\Window regulators/slide/tilt sunroof\One touch open,passenger's window							1.Not active 2.Active	
			Car Key Memory\ZKE [Central Body Electronic]\Window regulators/slide/tilt sunroof\One touch close,passenger's window						1.Not active 2.Active		
			Car Key Memory\ZKE [Central Body Electronic]\Window regulators/slide/tilt sunroof\One touch open,rear windows						1.Not active 2.Active		
			Car Key Memory\ZKE [Central Body Electronic]\Window regulators/slide/tilt sunroof\One touch close,rear windows						1.Not active 2.Active		
			Car Key Memory\ZKE [Central Body Electronic]\Window regulators/slide/tilt sunroof\One touch open sunroof						1.Not active 2.Active		
			Car Key Memory\ZKE [Central Body Electronic]\Window regulators/slide/tilt sunroof\One touch close sunroof						1.Not active 2.Active		
			Car Key Memory\ZKE [Central Body Electronic]\Window regulators/slide/tilt sunroof\Convenient closing rc						1.Not active 2.Active		

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			Car Key Memory\ZKE [Central Body Electronic]\Window regulators/slide/tilt sunroof\Convenient opening rc							1.Not active 2.Active	
			Car Key Memory\ZKE [Central Body Electronic]\Window regulators/slide/tilt sunroof\Lower power window after trapping							1.Long 2.Short	
			Car Key Memory\ZKE [Central Body Electronic]\Window regulators/slide/tilt sunroof\Open power window after door open							1.Not active 2.Active	
			Car Key Memory\ZKE [Central Body Electronic]\Interior lighting\On during unlock							1.Not active 2.Active	
			Car Key Memory\ZKE [Central Body Electronic]\Interior lighting\"on at terminal R off light Previously on"							1.Not active 2.Active	
			Car Key Memory\ZKE [Central Body Electronic]\Interior lighting\Soft on/off							1.Not active 2.Active	
			Car Key Memory\ZKE [Central Body Electronic]\Windscreen wipers\Rain sensor							1.Not active 2.Active	
			Car Key Memory\ZKE [Central Body Electronic]\Windscreen wipers\Switch down when stationary							1.Not active 2.Active	

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			Car Key Memory\ZKE [Central Body Electronic]\Windscreen wipers\Wipe interval when sataionary							1.3 second 2.5 second	
			Service functions							1. Key Test 2. Display status of all keys 3. Disable/Enable key	
			CAS Car Access System	√	√	√	√	√	√	1.Personalisation key number 2.Disable_enable key 3.Reset internal ELV fault counter	

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
		Driver	DME Digital Motor Electronics	√	√	√	√	√	√	1.DME-CAS adjustment 2.CO adjustment 3.Clear adaptations 4.Delete adaptations/variants 5.Idle speed adjustment 6.Consumption indicator adjustment 7.Learning Valvetronic limit positions 8.Venting, cooling system 9.Register battery change 10.Remove Valvetronic servomotor 11.OBD readiness codes 12.Regeneration, particulate filter 13.Exhaust VANOS test 14. Valvetronic adaptation limit positions	
			DKG Twin-clutch gearbox	√	√	√	√	√			

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			EGS Transmission control	√	√	√	√	√	√	1.Reset adaptation values 2.Reset learning functions 3.Mechatronics adjustment 4.Oil-level adjustment 5.Oil lifetime 6.Teach in transmission 7.Teach in clutch slip 8.Reset clutch characteristic 9.Teach in valve characteristic curve 10.Parking lock, hook test 11.Parking lock, function test	
			EKPS Fuel-pump control	√	√	√	√	√	√		
			GWS Gear selector switch	√	√	√	√	√			
			DSC Dynamic Stability Control	√	√	√	√	√	√	1.Bleeding DSC Hydraulics 2.Mix Up Check BrakeLines 3.Run flat indicator initialisation 4.Longitudinal acceleration sensor matching 5.DSC sensors check	

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions								
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others	
		Chassis	EDC Damper Control	√	√	√	√	√		1.System startup after control unit change 2.Shock absorber adjustment 3.Shock absorber performance 4.Initial setting, switch-on state		
			EMF Parking brake	√	√	√	√	√		1.Workshop braking-in 2.Assembly mode 3.Positioning-travel check		
			EPS Electronic Power Steering	√	√	√	√	√		End position teach-in		
			RDC Tyre pressure control	√	√	√	√	√				
			AMP Amplifier	√	√	√	√	√	√			
			CA Comfort Access	√	√	√	√	√				
			CDC CD Changer	√	√	√	√	√				
			CIC Car Information Computer	√	√	√	√	√				
			CIC-GW Gateway	√	√	√	√	√				
			CID Central Information Display	√	√	√	√	√			General fault info	
			CON Controller	√	√	√	√	√				
			CTM Convertible-top module	√	√	√	√	√				
			DAB Digital tuner	√	√	√	√	√				
			DVD-C DVD Changer	√	√	√	√	√				
			DWA Antitheft alarm system	√	√	√	√	√				
			FLA High Beam Assist	√	√	√	√	√				
		FRM2 Footwell module 2	√	√	√	√	√			Start windows initialising Rear windows, initialising Rear windows, test		





## BMW V46.10 Diagnostics List (Note: For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			CCC_ANT.C05							1.Recoding	
			CCC_ANT.C06							1.Recoding	
			CCC_ANT.C07							1.Recoding	
			CCC_ANT.C08							1.Recoding	
			CCC_ANT.C09							1.Recoding	
			CCC_ASK.C04							1.Recoding	
			CCC_ASK.C05							1.Recoding	
			CCC_ASK.C06							1.Recoding	
			CCC_ASK.C07							1.Recoding	
			CCC_GW.C02							1.Recoding	
			CCC_GW.C03							1.Recoding	
			CCC_GW.C04							1.Recoding	
			CCC_GW.C05							1.Recoding	
			DWA_IRS.C05							1.Recoding	
			DWASINE.C02							1.Recoding	
			DWASINE.C03							1.Recoding	
			DWASINE.C04							1.Recoding	
			EKB945.C0D							1.Recoding	
			EKB945.C0E							1.Recoding	
			EKPM60_2.C03							1.Recoding	
			FRMFA.C07							1.Recoding	
			FRMFA.C09							1.Recoding	
			FRMFA.C10							1.Recoding	
			FRMFA.C11							1.Recoding	
			FRMFA.C12							1.Recoding	
			FRMFA.C20							1.Recoding	
			FRMFA.C21							1.Recoding	
			FZD.C06							1.Recoding	
			GKE11P.C00							1.Recoding	

## BMW V46.10 Diagnostics List (Note: For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			GKE11P.C01							1.Recoding	
			GKE11P.C02							1.Recoding	
			GKE11T.C05							1.Recoding	
			IHXXPL2.C01							1.Recoding	
			JBBFE.C04							1.Recoding	
			JBBFE.C05							1.Recoding	
			JBBFE.C06							1.Recoding	
			JBBFE.C07							1.Recoding	
			KMBI_PL2.C05							1.Recoding	
			KMBI_PL2.C06							1.Recoding	
			KMBI_PL2.C07							1.Recoding	
			KMBI_PL2.C08							1.Recoding	
			MK60_87.C02							1.Recoding	
			MK60_87.C03							1.Recoding	
			MK60_87.C04							1.Recoding	
			MK60_87.C05							1.Recoding	
			MK60_87.C07							1.Recoding	
			MK60_87.C08							1.Recoding	
			PDC_E87.C03							1.Recoding	
			PDC_E87.C04							1.Recoding	
			PDC_E87.C05							1.Recoding	
			RAD1.C02							1.Recoding	
			RAD1.C03							1.Recoding	
			RLS_E65.C06							1.Recoding	
			ULF2MOST.C10							1.Recoding	
			ULF_MOST.C03							1.Recoding	
			ULF_MOST.C05							1.Recoding	
			JBBFEII.C06							1.Recoding	
			JBBFEII.C07							1.Recoding	

## BMW V46.10 Diagnostics List (Note: For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			JBBFEII. C09							1.Recoding	
			JBBFEII. COA							1.Recoding	
			RAD2. C04							1.Recoding	
			RAD2. C50							1.Recoding	
			RAD2. C51							1.Recoding	
			RAD22. C20							1.Recoding	
			RAD22. C31							1.Recoding	
			RAD22. C32							1.Recoding	
			RAD22. C33							1.Recoding	
			RAD22. C34							1.Recoding	
			MRS5CD. C01							1.Recoding	
			MRS5CD. C20							1.Recoding	
			MRS5CD. C21							1.Recoding	
			MRS5CD. C22							1.Recoding	
			DSC8_RPA. C06							1.Recoding	
			DSC8_RPA. C09							1.Recoding	
			DSC8_RPA. C10							1.Recoding	
			DSC8_RPA. C0B							1.Recoding	
			DSC8_RPA. C0D							1.Recoding	
			DSC8_RPA. C0E							1.Recoding	
			DSC8_RPA. C0F							1.Recoding	
			CAS2. C05							1.Recoding	
			CAS2. C06							1.Recoding	
			CAS2. C08							1.Recoding	
			CAS2. C09							1.Recoding	
			MK60_87. C09							1.Recoding	
			DWASINE. C05							1.Recoding	
			GKE11K. C08							1.Recoding	
			EKPM60_3. C11							1.Recoding	

## BMW V46.10 Diagnostics List (Note: For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			EKPM60_3. C12							1.Recoding	
			EKPM60_3. C13							1.Recoding	
			EPS_PL2. C02							1.Recoding	
			EPS_PL2. C03							1.Recoding	
			CFAS_PLX. C10							1.Recoding	
			CFAS_PLX. C11							1.Recoding	
			CFAS_PLX. C13							1.Recoding	
			CFAS_PLX. C15							1.Recoding	
			CFAS_PLX. C20							1.Recoding	
			IHXXPL2. C02							1.Recoding	
			MASK_E60. C06							1.Recoding	
			MASK_E60. C07							1.Recoding	
			MASK_E60. C08							1.Recoding	
			MASK_E60. C09							1.Recoding	
			MASK_E60. C0A							1.Recoding	
			MASK_E60. C0B							1.Recoding	
			MASK_E60. C0C							1.Recoding	
			MASK_E60. C0D							1.Recoding	
			MASK_E60. C0E							1.Recoding	
			MASK_E60. C0F							1.Recoding	
			ULF2MOST. C12							1.Recoding	
			FRM2_E89. C08							1.Recoding	
			FRM2_E89. C09							1.Recoding	
			FRM3_E89. C31							1.Recoding	
			RLS_PL2. C07							1.Recoding	
			RLS_PL2. C08							1.Recoding	
			VGSG90. C03							1.Recoding	
			VGSG90. C04							1.Recoding	
			VGSG90. C05							1.Recoding	



## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			Car Key Memory\CAS[Car Access System]\Convenience opening/closing\Comfort opening override ALL KEYS							1.Not active 2.Active	
			Car Key Memory\CAS[Car Access System]\Convenience opening/closing\Comfort closing override ALL KEYS							1.Not active 2.Active	
			Car Key Memory\CAS[Car Access System]\Drive away locking\Locking threshold ALL KEYS							1.2 KM/H 2.4 KM/H 3.8 KM/H 4.16 KM/H 5.32 KM/H	
			Car Key Memory\CAS[Car Access System]\Drive away locking\Automatic locking when driving KEY:01							1.Not active 2.Active	
			Car Key Memory\CAS[Car Access System]\Drive away locking\Automatic locking when driving KEY:02							1.Not active 2.Active	
			Car Key Memory\CAS[Car Access System]\Drive away locking\Automatic locking when driving KEY:03							1.Not active 2.Active	
			Car Key Memory\CAS[Car Access System]\Drive away locking\Automatic locking when driving KEY:04							1.Not active 2.Active	

Coding /

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
		Program	Car Key Memory\CAS[Car Access System]\Selective central locking\Selective central locking Door lock							1.Not active 2.Active	
			Car Key Memory\CAS[Car Access System]\Selective central locking\Selective central locking Door lock 01							1.Not active 2.Active	
			Car Key Memory\CAS[Car Access System]\Selective central locking\Selective central locking Door lock 02							1.Not active 2.Active	
			Car Key Memory\CAS[Car Access System]\Selective central locking\Selective central locking Door lock 03							1.Not active 2.Active	
			Car Key Memory\CAS[Car Access System]\Selective central locking\Selective central locking Door lock 04							1.Not active 2.Active	
			Car Key Memory\CAS[Car Access System]\Luggage compartment lid release\Luggage compartment lid open ALL KEYS							1.Not active 2.Active	
			Car Key Memory\CAS[Car Access System]\Luggage compartment lid release\Luggage compartment lid open ALL KEYS							1.always 2.If double unlocked	



## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			Car Key Memory\CAS[Car Access System]\Rear-window unlocking\Rear-window unlocking KEY:01							1.Not active 2.Active	
			Car Key Memory\CAS[Car Access System]\Rear-window unlocking\Rear-window unlocking KEY:02							1.Not active 2.Active	
			Car Key Memory\CAS[Car Access System]\Rear-window unlocking\Rear-window unlocking KEY:03							1.Not active 2.Active	
			Car Key Memory\CAS[Car Access System]\Rear-window unlocking\Rear-window unlocking KEY:04							1.Not active 2.Active	
			Car Key Memory\CAS[Car Access System]\Locking after unlocking without opening\Locking after unlocking without opening KEY:01							1.Not active 2.Active	
			Car Key Memory\CAS[Car Access System]\Locking after unlocking without opening\Locking after unlocking without opening KEY:02							1.Not active 2.Active	
			Car Key Memory\CAS[Car Access System]\Locking after unlocking without opening\Locking after unlocking without opening KEY:03							1.Not active 2.Active	

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			Car Key Memory\CAS[Car Access System]\Locking after unlocking without opening\Locking after unlocking without opening KEY:04							1.Not active 2.Active	
			Car Key Memory\CAS[Car Access System]\Alarm options\Activation and deactivation ALL KEYS							1.Remote control or door lock 2.Deactivation only via radio remote control	
			Car Key Memory\CAS[Car Access System]\Alarm options\Panic alarm ALL KEYS							1.Not active 2.Active	
			Car Key Memory\DWA[Burglar-alarm system]\Tilt sensor ALL KEYS							1.Not active 2.Active	
			Car Key Memory\DWA[Burglar-alarm system]\Interior sensor All KEYS							1.Not active 2.Active	
			Car Key Memory\DWA[Burglar-alarm system]\Visual acknowledgement during activation ALL KEYS							1.Not active 2.Active	
			Car Key Memory\DWA[Burglar-alarm system]\Arm visually doors/lids closed ALL KEYS							1.Not active 2.Active	
			Car Key Memory\DWA[Burglar-alarm system]\Visual deactivation ALL KEYS							1.Not active 2.Active	

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			Car Key Memory\DWA[Burglar-alarm system]\Activation acknowledgement during activation ALL KEYS							1.Not active 2.Active	
			Car Key Memory\DWA[Burglar-alarm system]\Arm acoustically doors/lids closed ALL KEYS							1.Not active 2.Active	
			Car Key Memory\DWA[Burglar-alarm system]\Acoustic acknowledgement during deactivation ALL KEYS							1.Not active 2.Active	
			Car Key Memory\FRM[Footwell module]\Home lights,time period ALL KEYS							1.Not active 2.40s 3.90s 4.150s 5.240s	
			Car Key Memory\FRM[Footwell module]\Visual unlocking,without anti-theft alarm system ALL KEYS							1.Not active 2.Active	
			Car Key Memory\FRM[Footwell module]\Visual locking,without anti-theft alarm system ALL KEYS							1.Not active 2.Active	
			Car Key Memory\FRM[Footwell module]\One-touch function,turn indicator ALL KEYS							1.1x flashing 2.3x flashing	
			Car Key Memory\FRM[Footwell module]\Daytime driving lights ECE ALL KEYS							1.Not active 2.Active	

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			Car Key Memory\FRM[Footwell module]\Daytime running lights US ALL KEYS							1.Not active 2.Active	
			Car Key Memory\RLS[Rain/light Sensors]\Automatic driving lights control(set of threshold values)ALL KEYS							1.Normal 2.Sensitive 3.Very sensitive	
			Car Key Memory\SMFA[Seat Module, drivers]\Seat/mirror adjustment CAR							1.Not active 2.After unlocking with remote control 3.After unlocking and door opening	
			Car Key Memory\SMFA[Seat Module, drivers]\Seat/mirror adjustment Driver's door lock							1.Not active 2.After unlocking 3.After unlocking and door opening	
			Car Key Memory\SMFA[Seat Module, drivers]\Seat/mirror adjustment Passengers's door lock							1.Not active 2.After unlocking 3.After unlocking and door opening	
			Car Key Memory\SMFA[Seat Module, drivers]\Seat/mirror adjustment KEY:01							1.Not active 2.After unlocking with remote control 3.After unlocking and door opening	

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			Car Key Memory\SMFA[Seat Module, drivers]\Seat/mirror adjustment KEY:02							1.Not active 2.After unlocking with remote control 3.After unlocking and door opening	
			Car Key Memory\SMFA[Seat Module, drivers]\Seat/mirror adjustment KEY:03							1.Not active 2.After unlocking with remote control 3.After unlocking and door opening	
			Car Key Memory\SMFA[Seat Module, drivers]\Seat/mirror adjustment KEY:04							1.Not active 2.After unlocking with remote control 3.After unlocking and door opening	
			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	

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			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 9.Vehicle inspection 10.Exhaust emission inspection	
			Maintenance							1.Delete transport mode	
		Driver	DME Digital Motor Electronics	√	√	√	√	√		1.Clear Adaptations 2.DME/DDE-EWS adjustment 3.CO adjustment 4.Smooth running measurement 5.Tank Leakage System Check 6.Secondary Air System Check 7.Status Diagnosis Functions 8.OBD Readiness Display 9.Idle speed adjustment 10.Program All Adjustments 11.Operation On Roller Dynamometer	

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions									
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others		
	Z8-E52		EGS Transmission control	√	√	√	√	√					
			EWS (Elec. immobilize system)	√	√	√	√	√					
		Chassis	ABS Antilock brake	√	√	√	√	√			1.TEST PROCEDURES 2.BLEEDING THE ABS/ASC HYDRAULIC SYSTEM 3.RESET ABS MOTOR RELAY CLOCK COUNTER		
			LEW (Steering-angle sensor)	√	√	√	√	√					
			RDC (Tyre pressure control)	√	√	√	√	√					
		Body	IHKA/IHKR (AC/heater)	√	√	√	√	√					
			IKE/IKI/KOMBI	√	√	√	√	√			1.Reset service interval indicator		
			RAD (Radio)	√	√	√	√	√					
			SRS (Air bag)	√	√	√	√	√					
			URS (Rollover sensor)	√	√	√	√	√					
			ZKE (Central body electronic)	√	√	√	√	√					
		Short test		√	√	√							
		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 V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
		Driver	DME Digital Motor Electronics	√	√	√	√	√		1.Clear Adaptations 2.DME/DDE-EWS adjustment 3.CO adjustment 4.Smooth running measurement 5.Tank Leakage System Check 6.Secondary Air System Check 7.Status Diagnosis Functions 8.OBD Readiness Display 9.Idle speed adjustment 10.Program All Adjustments 11.Operation On Roller Dynamometer or 1.Idle speed 2.Exhaust-gas recirculation 3.Start basic injection quantity 4.Limitation delivery 5.Injection rate 6.Consumption calculation 7.Injector rate adjustment	
			EGS Transmission control	√	√	√	√	√			
			EWS (Elec. immobilize system)	√	√	√	√	√			



## BMW V46.10 Diagnostics List (Note: For reference only)

Menu				Functions								
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others	
		Chassis	ABS Antilock brake	√	√	√	√	√		1.TEST PROCEDURES 2.BLEEDING THE ABS/ASC HYDRAULIC SYSTEM 3.RESET ABS MOTOR RELAY CLOCK COUNTER		
			LEW (Steering-angle sensor)	√	√	√	√	√				
			RDC (Tyre pressure control)	√	√	√	√	√				
			EHPS (Electrically assisted steering)	√	√	√	√	√				
		Body	AIC (Automatic Interval Control)	√	√	√	√	√				
			BM (On-board monitor)	√	√	√	√	√				
			IHKA/IHKB (AC/heater)	√	√	√	√	√		1.Flap motors 2.Coolant compressor		
			IKE/IKI/KOMBI	√	√	√	√	√		1.Reset service interval indicator		
			LSZ/LCM (Light switching center)	√	√	√	√	√				
			PDC Park Distance Control	√	√	√	√	√				
			RAD (Radio)	√	√	√	√	√				
			SRS (Air bag)	√	√	√	√	√				
			URS (Rollover sensor)	√	√	√	√	√				
			ZKE (Central body electronic)	√	√	√	√	√				
		Short test		√	√	√						
			BC1.C05							1.Recoding		
			BC1.C06								1.Recoding	
			BC1.C07								1.Recoding	
			CVM_IV.C02								1.Recoding	
			CVM_IV.C03								1.Recoding	
			CVM_IV.C04								1.Recoding	
			CVM_IV.C05								1.Recoding	
			CVM_IV.C06								1.Recoding	



## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions								
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others	
		Coding / Program	Car Key Memory\PDC [Park Distance Control]\Switch on message(rear)							1.Not active 2.Active		
			Car Key Memory\PDC [Park Distance Control]\Rear volume							1.Stage 1 2.Stage 2 3.Stage 3 4.Stage 4 5.Stage 5 6.Stage 6		
			Car Key Memory\SHD [Sliding\tilting sunroof]\Open sunroof one touch function								1.Not active 2.Active	
			Car Key Memory\SHD [Sliding\tilting sunroof]\Close sunroof one touch function								1.Not active 2.Active	
			Car Key Memory\SHD [Sliding\tilting sunroof]\Raise sunroof one touch function								1.Not active 2.Active	
			Car Key Memory\ZKE [Central Body Electronic]\Central locking\Automatic locking after 2 minutes if not opened								1.Not active 2.Active	
			Car Key Memory\ZKE [Central Body Electronic]\Central locking\Automatic locking after starting off								1.Not active 2.Active	

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions									
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others		
MINI			Car Key Memory\ZKE [Central Body Electronic]\Central locking\Automatic unlocking after engine off							1.Not active 2.Active			
			Car Key Memory\ZKE [Central Body Electronic]\Central locking>Selective central locking							1.Not active 2.Active			
			Car Key Memory\ZKE [Central Body Electronic]\Central locking>Selective central locking rc								1.Not active 2.Active		
			Car Key Memory\ZKE [Central Body Electronic]\Central locking\Entrance aid>Selective central locking rc								1.Selective 2.Entrance aid 3.Not active		
			Car Key Memory\ZKE [Central Body Electronic]\Central locking\Holding rc open button								1.No function 2.Comfort opening 3.Luggage comp opening		
			Car Key Memory\ZKE [Central Body Electronic]\Central locking\Holding rc open button								1.Not active 2.Active		
			Car Key Memory\ZKE [Central Body Electronic]\Windscreen Wipers\Switch back when stationary									1.Not active 2.Active	
			Car Key Memory\ZKE [Central Body Electronic]\Exterior Lights\Home lights									1.Not active 2.40 seconds	

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			Car Key Memory\ZKE [Central Body Electronic]\Exterior Lights\Home lights							1.Not active 2.40 seconds 3.90 Seconds 4.150 Seconds 5.240 Seconds	
			Car Key Memory\ZKE [Central Body Electronic]\Exterior Lights\Day time running lights(ECE)							1.Not active 2.Active	
			Car Key Memory\ZKE [Central Body Electronic]\Exterior Lights\Day time running lights(US)							1.Not active 2.Active	
			Service functions							1. Key Test 2. Display status of all keys 3. Disable/Enable key	
			CAS Car Access System	√	√	√	√	√	√	1.Personalisation key number 2.Disable_enable key 3.Reset internal ELV fault counter	

## BMW V46.10 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
		Driver	DME Digital Motor Electronics	√	√	√	√	√	√	1.DME-CAS adjustment 2.CO adjustment 3. <b>Clear adaptations</b> 4.Delete adaptations/variants 5.Idle speed adjustment 6.Consumption indicator adjustment 7.Learning Valvetronic limit positions 8.Venting, cooling system 9. <b>Register battery change</b> 10.Remove Valvetronic servomotor 11.OBD readiness codes 12.Regeneration, particulate filter 13.Exhaust VANOS test 14. Valvetronic adaptation limit positions 15. <b>VANOS adaptation</b>	

## BMW V46.10 Diagnostics List (Note: For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			EGS Transmission control	√	√	√	√	√	√	1.Reset adaptation values 2.Reset learning functions 3.Mechatronics adjustment 4.Oil-level adjustment 5.Oil lifetime 6.Teach in transmission 7.Teach in clutch slip 8.Reset clutch characteristic 9.Teach in valve characteristic curve 10.Parking lock, hook test 11.Parking lock, function test	
		Chassis	ABS/ACS/DSC Dynamic Stability Control	√	√	√	√	√		1.Bleeding DSC Hydraulics 2.Mix Up Check BrakeLines 3.Run flat indicator initialisation 4.Longitudinal acceleration sensor matching 5.DSC sensors check	
			RDC Tyre pressure control	√	√	√	√	√			
			AHM Trailer module	√	√	√	√	√			
			AMP Hi-Fi amplifier	√	√	√	√	√	√		
			CA Comfort Access	√	√	√	√	√			
			CCC-A Applications	√	√	√	√	√			
			CCC-ANT Aerial tuner	√	√	√	√	√		Test AM/FM	
			CCC-ASK Audio system controller	√	√	√	√	√			
			CCC-BO User interface	√	√	√	√	√			

## BMW V46.10 Diagnostics List (Note: For reference only)

Menu				Functions								
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others	
	R55/R56	Body	CCC-GW Gateway	√	√	√	√	√				
			CDC CD Changer	√	√	√	√	√				
			CID Central Information Display	√	√	√	√	√			General fault info	
			CVM Convertible-top module	√	√	√	√	√				
			DAB Digital tuner	√	√	√	√	√				
			FRM Footwell Module	√	√	√	√	√			Start windows initialising Rear windows, initialising Rear windows, test	
			IBOC Digital tuner US	√	√	√	√	√				
			IHKA Integrated automatic heating/air conditioning	√	√	√	√	√				
			IHKS Intergrated heating/air-conditioning control	√	√	√	√	√				
			IHS Integrated heating control	√	√	√	√	√				
			INSTR Instrument cluster	√	√	√	√	√	√			
			JBE Junction-box electronics	√	√	√	√	√				
			JNAV Navigation system, Japan	√	√	√	√	√				
			MJOY MINI joystick	√	√	√	√	√				
			MRS Multiple Restraint system	√	√	√	√	√				
			PDC Park Distance Control	√	√	√	√	√				
			RAD Radio	√	√	√	√	√				
			RAD2-BO User interface	√	√	√	√	√				
			RAD2-GW Gateway	√	√	√	√	√				
			SDARS satellite tuner	√	√	√	√	√				
			SHD Sliding/tilting sunroof	√	√	√	√	√			1.Delivery position 2.Initialize slide_tilt sunroof	
			SZL Switch center, steering column	√	√	√	√	√				
			ULF-SBX Interface box	√	√	√	√	√				
	ULF-SBX-H Interface box High	√	√	√	√	√						





## BMW **V46.10** Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module		Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
(*):Tested; (?):Manual on website( <a href="http://www.x431.com">www.x431.com</a> ) Note:All description rights reserved by LAUNCH TECH.CO.,LTD											

CONNECTOR	X431	DIAGUN	
BMW-20	The year before 2002, you can easy to find the 20-pin round	N/A	
BMW-16	The year after 2002, and before 2007, there are only one OBDII	N/A	
CAN BUS II	The year after 2007, there are only one OBDII socket in cab	N/A	
diagun connector	N/A		
SUPER 16	ALL OBDII socket.	N/A	