

BMW V42.00 Diagnostics List (Note:For reference only)

Menu				Functions						
Series	Chassis	Module	ECU System	Sys. Info.	Read code	Clear code	Data Stream	Actuation	Special Functions	Others
1 Series	E81/E82/ E87/E88	Body	CCC-ASK Audio system controller	√	√	√	√	√		
			CCC-BO User interface	√	√	√	√	√		
			CCC-GW Gateway	√	√	√	√	√		
			CDC CD Changer	√	√	√	√	√		
			CHAMP-BO User interface	√	√	√	√	√		
			CHAMP-GW Gateway	√	√	√	√	√		
			CID Central Information Display	√	√	√	√	√		
			CON Controller	√	√	√	√	√		
			CVM Convertible-top module	√	√	√	√	√		
			DAB Digital tuner	√	√	√	√	√		
			DWA Antitheft alarm system	√	√	√	√	√		
			FRM Footwell Module	√	√	√	√	√		
			FRM2 Footwell module 2	√	√	√	√	√		
			FZD Function centre, roof	√	√	√	√	√	Initializ rain sensor	
			IHR Integrated heater control	√	√	√	√	√		
			IHKR Interagted heating/air-conditioning regulation	√	√	√	√	√		
			IHKA Integrated automatic heating/air conditioning	√	√	√	√	√	Flap motors Coolant compressor	
			INSTR Instrument clusterment cluster	√	√	√	√	√		
			JBE Junction-box electronics	√	√	√	√	√		
			JBE2 Junction Box electronics 2	√	√	√	√	√		
JNAV Navigation system, Japan	√	√	√	√	√					
M-ASK-BO User interface	√	√	√	√	√					

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Series	Chassis	Module	ECU System	Sys. Info.	Read code	Clear code	Data Stream	Actuation	Special Functions	Others
			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	√	√	√	√	√	Initializ rain sensor	
			SDARS satellite tuner	√	√	√	√	√		
			SINE Siren with tilt sensor	√	√	√	√	√		
			SMBF Seat module, passenger	√	√	√	√	√		
			SMFA Seat module, driver	√	√	√	√	√		
			TCU Telematic Control unit	√	√	√	√	√		
			ULF Universal charging and hands-free facility	√	√	√	√	√		
			ULF-SBX Interface box	√	√	√	√	√		
			ULF-SBX-H Interface box High	√	√	√	√	√		
			Short test	√	√	√				

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Menu				Functions						
Series	Chassis	Module	ECU System	Sys. Info.	Read code	Clear code	Data Stream	Actuation	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	
			Maintenance						1.Delete transport mode	
			Service functions						Adjustment, Steering-angle sensor	
		Driver	DME Digital Motor Electronics	√	√	√	√	√		
			EGS Transmission control	√	√	√	√	√		
			EWS (Elec. immobilize system)	√	√	√	√	√		

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Series	Chassis	Module	ECU System	Sys. Info.	Read code	Clear code	Data Stream	Actuation	Special Functions	Others
	E30	Chassis	ABS Antilock brake	√	√	√	√	√		
			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)	√	√	√	√	√					

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Menu				Functions							
Series	Chassis	Module	ECU System	Sys. Info.	Read code	Clear code	Data Stream	Actuation	Special Functions	Others	
			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	
		Driver	DME Digital Motor Electronics	√	√	√	√	√			
			EGS Transmission control	√	√	√	√	√			
			EWS (Elec. immobilize system)	√	√	√	√	√			
		Chassis	ABS Antilock brake	√	√	√	√	√			
			EHC/EDC (Signal-axle air suspension)	√	√	√	√	√			
				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)	√	√	√	√	√				

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Series	Chassis	Module	ECU System	Sys. Info.	Read code	Clear code	Data Stream	Actuation	Special Functions	Others
		Body	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)	√	√	√	√	√		
			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	

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Menu				Functions						
Series	Chassis	Module	ECU System	Sys. Info.	Read code	Clear code	Data Stream	Actuation	Special Functions	Others
	E36	Coding / Program	CAR MEMORY\LIGHTING\Interior lighting\ON at terminal R off, light on beforehand						1.Active 2.Not active	
			CAR MEMORY\LIGHTING\Interior lighting\Soft ON/OFF						1.Active 2.Not active	
			CAR MEMORY\ANTI-THEFT SYSTEM\Interior lighting\Interior sensor						1.Active 2.Not active	
			CAR MEMORY\ANTI-THEFT SYSTEM\Interior lighting\Tilt alarm sensor						1.Active 2.Not active	
			CAR MEMORY\ANTI-THEFT SYSTEM\Interior lighting\Arm/disarm						1.remote control 2.locks and remote control	
			CAR MEMORY\ANTI-THEFT SYSTEM\Interior lighting\Acknowledge\Disarm visually						1.Active 2.Not active	
			CAR MEMORY\ANTI-THEFT SYSTEM\Interior lighting\Acknowledge\Arm visually						1.Active 2.Not active	
			CAR MEMORY\ANTI-THEFT SYSTEM\Interior lighting\Acknowledge\Arm visually, lids closed						1.Active 2.Not active	

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Menu				Functions						
Series	Chassis	Module	ECU System	Sys. Info.	Read code	Clear code	Data Stream	Actuation	Special Functions	Others
			CAR MEMORY\CENTRAL LOCKING\RC interior light						1.Active 2.Not active	
			CAR MEMORY\CENTRAL LOCKING\Open luggage compartment via remote control						1.when disarmed 2.always	
			CAR MEMORY\CENTRAL LOCKING\Lock again 2 min after unlocking without opening						1.Active 2.Not active	
			CAR MEMORY\CENTRAL LOCKING\Automatic locking after starting off						1.Active 2.Not active	
			CAR MEMORY\CENTRAL LOCKING\Centre lock button, when locked						1.Active 2.Not active	
			CAR MEMORY\CENTRAL LOCKING\Entrance aid						1.Active 2.Not active	
			Service functions						1. Key Test 2. Display status of all keys 3. Disable/Enable key	
		Driver	DME Digital Motor Electronics	√	√	√	√	√	1.Clear Adaptations 2.DME/DDE-EWS adjustment 3.CO adjustment 4.Air-mass flow sensor adaptation	

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Series	Chassis	Module	ECU System	Sys. Info.	Read code	Clear code	Data Stream	Actuation	Special Functions	Others
			EGS Transmission control	√	√	√	√	√		
			EWS (Elec. immobilize system)	√	√	√	√	√		
		Chassis	ABS Antilock brake	√	√	√	√	√		
			LEW (Steering-angle sensor)	√	√	√	√	√		
			MFL (Multi-function steering wheel)	√	√	√	√	√		
			RDC (Tyre pressure control)	√	√	√	√	√		
			BIT (Basis Interface Telephone)	√	√	√	√	√		
		Body	BM (On-board monitor)	√	√	√	√	√		
			CVM Convertible-top module	√	√	√	√	√		
			GR (Cruise control)	√	√	√	√	√		
			IHKA/IHKB (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	√	√	√	√	√		
			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)	√	√	√	√	√			

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Menu				Functions						
Series	Chassis	Module	ECU System	Sys. Info.	Read code	Clear code	Data Stream	Actuation	Special Functions	Others
3 Series	E46		ZKE (Central body electronic)	√	√	√	√	√		
			ZCS/FA Coding						1.Display Coding code and print	
			ZCS/FA Coding \ Recoding \ ABS						1.ABS 2.LCM/LSZ 3.GM(ZKE)	
			CAR MEMORY\LIGHTING\External lights\Daytime driving light						1.Active 2.Not active	
			CAR MEMORY\LIGHTING\External lights\Home lights						1.Not active 2.40 s 3.90 s 4.150 s 5.240 s	
			CAR MEMORY\LIGHTING\Interior lighting\ON during unlock						1.Active 2.Not active	
			CAR MEMORY\LIGHTING\Interior lighting\ON at terminal R off, light on beforehand						1.Active 2.Not active	
			CAR MEMORY\LIGHTING\Interior lighting\Soft ON/OFF						1.Active 2.Not active	
			CAR MEMORY\ANTI-THEFT SYSTEM\Interior lighting\Interior sensor						1.Active 2.Not active	

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Menu				Functions						
Series	Chassis	Module	ECU System	Sys. Info.	Read code	Clear code	Data Stream	Actuation	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	

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Menu				Functions						
Series	Chassis	Module	ECU System	Sys. Info.	Read code	Clear code	Data Stream	Actuation	Special Functions	Others
			CAR MEMORY\CENTRAL LOCKING\Automatic locking after starting off						1.Active 2.Not active	
			CAR MEMORY\CENTRAL LOCKING\Centre lock button, when locked						1.Active 2.Not active	
			CAR MEMORY\CENTRAL LOCKING\Entrance aid						1.Active 2.Not active	
			Service functions						1. Key Test 2. Display status of all keys 3. Disable/Enable key	
		Driver	CAS Car Access System	√	√	√	√	√	1.Personalisation key number 2.Disable_enable key	
			DDE Diesel Electronics	√	√	√	√	√	1.DDE-CAS adjustment 2.Air-mass flow sensor adaptation 3.Regeneration, particulate filter	
			DME Digital Motor Electronics	√	√	√	√	√	1.DME-CAS adjustment 2.CO adjustment 3.Clear adaptations	

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Series	Chassis	Module	ECU System	Sys. Info.	Read code	Clear code	Data Stream	Actuation	Special Functions	Others
			EGS Transmission control	√	√	√	√	√	1.Reset adaptation values 2.Reset learning functions 3.Mechatronics adjustment 4.Oil-level adjustment	
			GWS Gear selector switch	√	√	√	√	√		
			EKPS Fuel-pump control	√	√	√	√	√		
			VTC Valvetronic	√	√	√	√	√		
			VTC2 Valvetronic 2	√	√	√	√	√		
			VTG Transfer case	√	√	√	√	√		
		Chassis	AL Active steering	√	√	√	√	√		
			ARS Dynamic Drive	√	√	√	√	√		
			DSC Dynamic Stability Control	√	√	√	√	√	1.Bleed routine	
			EDCSHL Damper satellite, rear left	√	√	√	√	√		
			EDCSHR Damper satellite, rear right	√	√	√	√	√		
			EDCSVL Damper satellite, front left	√	√	√	√	√		
			EDCSVR Damper satellite, front right	√	√	√	√	√		
			EHC Electronic Ride-Height Control	√	√	√	√	√		
			EMF Parking brake	√	√	√	√	√		
			LDM Longitudinal Dynamics Management							
			RDC Tyre pressure control	√	√	√	√	√		
			VDM Vertical Dynamics Management	√	√	√	√	√		
			ACSM Crash Safety Module	√	√	√	√	√		

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Series	Chassis	Module	ECU System	Sys. Info.	Read code	Clear code	Data Stream	Actuation	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	√	√	√	√	√		
			CCC-ASK Audio system controller	√	√	√	√	√		
			CCC-BO User interface	√	√	√	√	√		
			CCC-GW Gateway	√	√	√	√	√		
			CDC CD Changer	√	√	√	√	√		
			CHAMP-BO User interface	√	√	√	√	√		
			CHAMP-GW Gateway	√	√	√	√	√		
			CID Central Information Display	√	√	√	√	√		
			CNAV Navigation system, China	√	√	√	√	√		
			CON Controller	√	√	√	√	√		
			DAB Digital tuner	√	√	√	√	√		
			DVD-C DVD Changer	√	√	√	√	√		
			FD Rear-compartment display	√	√	√	√	√		
			FKA Rear heater/air conditioning	√	√	√	√	√		
			FLA High Beam Assist	√	√	√	√	√		
			FRM2 Footwell module 2	√	√	√	√	√		
			FZD Function centre, roof	√	√	√	√	√	Initializ rain sensor	
			HKL Rear-lid lift	√	√	√	√	√		
			HUD Head-Up Display	√	√	√	√	√		
			IBOC Digital tuner US	√	√	√	√	√		

E90/E91/
E92/E93

Body

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Series	Chassis	Module	ECU System	Sys. Info.	Read code	Clear code	Data Stream	Actuation	Special Functions	Others
			IHKA Integrated automatic heating/air conditioning	√	√	√	√	√	Flap motors Coolant compressor	
			INSTR Instrument cluster	√	√	√	√	√		
			ument 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	√	√	√	√	√	Initializ rain sensor	
			RSE Rear Seat Entertainment	√	√	√	√	√		
			SDARS satellite tuner	√	√	√	√	√		
			SINE Siren with tilt sensor	√	√	√	√	√		
			SMBF Seat module, passenger	√	√	√	√	√		
			SMFA Seat module, driver	√	√	√	√	√		
			TCU Telematic Control unit	√	√	√	√	√		
			ULF-SBX Interface box	√	√	√	√	√		
			ULF-SBX-H Interface box High	√	√	√	√	√		
			VM Video Module	√	√	√	√	√		
			VSW video switch	√	√	√	√	√		
			Short test	√	√	√				

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Series	Chassis	Module	ECU System	Sys. Info.	Read code	Clear code	Data Stream	Actuation	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		
			Maintenance							1.Delete transport mode	
			Service functions							Adjustment, Steering-angle sensor	
		Driver	DME Digital Motor Electronics	√	√	√	√	√			
			EGS Transmission control	√	√	√	√	√			
			EWS (Elec. immobilize system)	√	√	√	√	√			

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Series	Chassis	Module	ECU System	Sys. Info.	Read code	Clear code	Data Stream	Actuation	Special Functions	Others
	E28	Chassis	ABS Antilock brake	√	√	√	√	√		
			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 V42.00 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module	ECU System	Sys. Info.	Read code	Clear code	Data Stream	Actuation	Special Functions	Others	
E34			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	
	Rodv	Driver	DME Digital Motor Electronics	√	√	√	√	√			
			EGS Transmission control	√	√	√	√	√			
			EWS (Elec. immobilize system)	√	√	√	√	√			
		Chassis	ABS Antilock brake	√	√	√	√	√			
			EHC/EDC (Signal-axle air suspension)	√	√	√	√	√			
			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	√	√	√	√	√						

BMW V42.00 Diagnostics List (Note:For reference only)

Menu				Functions						
Series	Chassis	Module	ECU System	Sys. Info.	Read code	Clear code	Data Stream	Actuation	Special Functions	Others
			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)	√	√	√	√	√		
		ZKE (Central body electronic)	√	√	√	√	√			
			ZCS/FA Coding						1.Display Coding code and print	

BMW V42.00 Diagnostics List (Note:For reference only)

Menu				Functions						
Series	Chassis	Module	ECU System	Sys. Info.	Read code	Clear code	Data Stream	Actuation	Special Functions	Others
			ZCS/FA Coding \ Recoding						1.ABS 2.IHKA 3.LCM/LSZ 4.SRS 5.EWS	
			CAR MEMORY\LIGHTING\External lights\Daytime driving light						1.Active 2.Not active	
			CAR MEMORY\LIGHTING\External lights\Home lights						1.Not active 2.40 s 3.90 s 4.150 s 5.240 s	
			CAR MEMORY\LIGHTING\Interior lighting\ON during unlock						1.Active 2.Not active	
			CAR MEMORY\LIGHTING\Interior lighting\ON at terminal R off, light on beforehand						1.Active 2.Not active	
			CAR MEMORY\LIGHTING\Interior lighting\Soft ON/OFF						1.Active 2.Not active	
			CAR MEMORY\ANTI-THEFT SYSTEM\Interior lighting\Interior sensor						1.Active 2.Not active	
			CAR MEMORY\ANTI-THEFT SYSTEM\Interior lighting\Tilt alarm sensor						1.Active 2.Not active	

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BMW V42.00 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module	ECU System	Sys. Info.	Read code	Clear code	Data Stream	Actuation	Special Functions	Others	
5 Series		Coding / Program	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 V42.00 Diagnostics List (Note:For reference only)

Menu				Functions						
Series	Chassis	Module	ECU System	Sys. Info.	Read code	Clear code	Data Stream	Actuation	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	
		Driver	CAS Car Access System	√	√	√	√	√	1.Personalisation key number 2.Disable_enable key	
			DDE Diesel Electronics	√	√	√	√	√	1.DDE-CAS adjustment 2.Air-mass flow sensor adaptation	
			DME Digital Motor Electronics	√	√	√	√	√	1.DME-CAS adjustment 2.CO adjustment 3.Clear adaptations	
			EGS Transmission control	√	√	√	√	√	1.Reset adaptation values 2.Reset learning functions 3.Mechatronics adjustment 4.Oil-level adjustment	
			EKPS Fuel-pump control	√	√	√	√	√		
			GWS Gear selector switch	√	√	√	√	√		
			SMG Sequential Manual Gearbox	√	√	√	√	√		
			ACC Active Cruise Control	√	√	√	√	√		

BMW V42.00 Diagnostics List (Note:For reference only)

Menu				Functions						
Series	Chassis	Module	ECU System	Sys. Info.	Read code	Clear code	Data Stream	Actuation	Special Functions	Others
		Chassis	ACC2 Active Cruise Control 2	√	√	√	√	√		
			AL Active steering	√	√	√	√	√		
			ARS Dynamic Drive	√	√	√	√	√		
			DSC Dynamic Stability Control	√	√	√	√	√	1.Bleed routine	
			DSC Dynamic Stability Control PLUS	√	√	√	√	√	1.Bleed routine	
			DSC Dynamic Stability Control Premium	√	√	√	√	√	1.Bleed routine	
			EDC Damper Control	√	√	√	√	√		
			EHC Electronic Ride-Height Control	√	√	√	√	√		
			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	√	√	√	√	√	ALBFA initalization	
			AMP Amplifier	√	√	√	√	√		
			CA Comfort Access	√	√	√	√	√		
			CCC-A Applications	√	√	√	√	√		
			CCC-ANT Aerial tuner	√	√	√	√	√		
			CCC-ASK Audio system controller	√	√	√	√	√		
			CCC-BO User interface	√	√	√	√	√		

BMW V42.00 Diagnostics List (Note:For reference only)

Menu				Functions						
Series	Chassis	Module	ECU System	Sys. Info.	Read code	Clear code	Data Stream	Actuation	Special Functions	Others
			CCC-GW Gateway	√	√	√	√	√		
			CDC CD Changer	√	√	√	√	√		
			CHAMP-BO User interface	√	√	√	√	√		
			CHAMP-GW Gateway	√	√	√	√	√		
			CIC Car Inforamtion Computer	√	√	√	√	√		
			CIC GW Gateway	√	√	√	√	√		
			CID Central Information Display	√	√	√	√	√		
			CNAV Navigation system, China	√	√	√	√	√		
			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	√	√	√	√	√	Flap motors Coolant compressor	
			IHKA2 Integrated automatic heating/air conditiong	√	√	√	√	√		
			INSTR Instrument cluster	√	√	√	√	√		
			ument cluster	√	√	√	√	√		
			JNAV Navigation system, Japan	√	√	√	√	√		
			KBM Body Basic Module	√	√	√	√	√		
			KGM Body Gateway Module	√	√	√	√	√		

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BMW V42.00 Diagnostics List (Note:For reference only)

Menu				Functions						
Series	Chassis	Module	ECU System	Sys. Info.	Read code	Clear code	Data Stream	Actuation	Special Functions	Others
	E00/E01	Body	KHI Headset interface	√	√	√	√	√		
			KNAV Navigation system, Korea	√	√	√	√	√		
			LM2 AHL2 Light module 2 with adaptive headlight 2	√	√	√	√	√		
			LM2 Light Module 2	√	√	√	√	√		
			LM2 Light Module 2 with adaptive headlight	√	√	√	√	√		
			M-ASK-BO User interface	√	√	√	√	√		
			M-ASK-GW Gateway	√	√	√	√	√		
			M-ASK-NAV Navigation system	√	√	√	√	√		
			MPM Micro-power module	√	√	√	√	√		
			NVE Night Vision Electronics	√	√	√	√	√		
			NVK Night Vision camera	√	√	√	√	√		
			PDC Park Distance Control	√	√	√	√	√		
			RLS Rain/Light Sensor	√	√	√	√	√	Initializ rain sensor	
			RLSS Rain/light solar sensor	√	√	√	√	√	Initializ 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)	√	√	√	√	√			

BMW V42.00 Diagnostics List (Note:For reference only)

Menu				Functions						
Series	Chassis	Module	ECU System	Sys. Info.	Read code	Clear code	Data Stream	Actuation	Special Functions	Others
			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	√	√	√	√	√		
			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	√	√	√	√	√		
			TMFB Door module, front passenger	√	√	√	√	√		
			TMFA Door module, driver	√	√	√	√	√		
			ULF Universal charging and hands-free facility	√	√	√	√	√		
			ULF-SBX Interface box	√	√	√	√	√		
			ULF-SBX-H Interface box High	√	√	√	√	√		
			VM Video Module	√	√	√	√	√		
			Short test	√	√	√				

BMW V42.00 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module	ECU System	Sys. Info.	Read code	Clear code	Data Stream	Actuation	Special Functions	Others	
	E24		GR (Cruise control)	√	√	√	√	√			
			EWS (Elec. immobilize system)	√	√	√	√	√			
		Chassis	ABS Antilock brake	√	√	√	√	√			
			ADS Throttle-Valve Control	√	√	√	√	√			
			EHC/EDC (Signal-axle air suspension)	√	√	√	√	√			
		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)	√	√	√	√	√				
		Coding /		ZCS/FA Coding						1.Display Coding code and print	

BMW V42.00 Diagnostics List (Note:For reference only)

Menu				Functions						
Series	Chassis	Module	ECU System	Sys. Info.	Read code	Clear code	Data Stream	Actuation	Special Functions	Others
		Coasting / Program	Service functions						1. Key Test 2. Display status of all keys 3. Disable/Enable key	
		Driver	CAS Car Access System	√	√	√	√	√	1. Personalisation key number 2. Disable_enable key	
			DDE Diesel Electronics	√	√	√	√	√	1. DDE-CAS adjustment 2. Air-mass flow sensor adaptation	
			DME Digital Motor Electronics	√	√	√	√	√	1. DME-CAS adjustment 2. CO adjustment 3. Clear adaptations	
			EGS Transmission control	√	√	√	√	√	1. Reset adaptation values 2. Reset learning functions 3. Mechatronics adjustment 4. Oil-level adjustment	
			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	√	√	√	√	√		
			ARS Dynamic Drive 2	√	√	√	√	√		
			DSC Dynamic Stability Control	√	√	√	√	√	1. Bleed routine	

BMW **V42.00** Diagnostics List (Note:For reference only)

Menu				Functions						
Series	Chassis	Module	ECU System	Sys. Info.	Read code	Clear code	Data Stream	Actuation	Special Functions	Others
		Chassis	DSC Dynamic Stability Control PLUS	√	√	√	√	√	1.Bleed routine	
			DSC Dynamic Stability Control Premium	√	√	√	√	√	1.Bleed routine	
			EDC Damper Control	√	√	√	√	√		
			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	√	√	√	√	√		
			CCC-ASK Audio system controller	√	√	√	√	√		
			CCC-BO User interface	√	√	√	√	√		
			CCC-GW Gateway	√	√	√	√	√		
			CDC CD Changer	√	√	√	√	√		
			CHAMP-BO User interface	√	√	√	√	√		
			CHAMP-GW Gateway	√	√	√	√	√		
			CID Central Information Display	√	√	√	√	√		
			CNAV Navigation system, China	√	√	√	√	√		
			CON Controller	√	√	√	√	√		
			CVM Convertible-top module	√	√	√	√	√	√	
		DAB Digital tuner	√	√	√	√	√			

BMW V42.00 Diagnostics List (Note:For reference only)

Menu				Functions						
Series	Chassis	Module	ECU System	Sys. Info.	Read code	Clear code	Data Stream	Actuation	Special Functions	Others
6 Series	E63/E64	Body	DVD-C DVD Changer	√	√	√	√	√		
			DWA Antitheft alarm system	√	√	√	√	√		
			FLA High Beam Assist	√	√	√	√	√		
			HUD Head-Up Display	√	√	√	√	√		
			IBOC Digital tuner US	√	√	√	√	√		
			IHKA Integrated automatic heating/air conditioning	√	√	√	√	√	Flap motors Coolant compressor	
			IHKA2 Integrated automatic heating/air conditiong	√	√	√	√	√		
			INSTR Instrument cluster	√	√	√	√	√		
			ument 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	√	√	√	√	√		
			NVE Night Vision Electronics	√	√	√	√	√		
NVK Night Vision camera	√	√	√	√	√					

BMW V42.00 Diagnostics List (Note:For reference only)

Menu				Functions						
Series	Chassis	Module	ECU System	Sys. Info.	Read code	Clear code	Data Stream	Actuation	Special Functions	Others
			PDC Park Distance Control	√	√	√	√	√		
			RLS Rain/Light Sensor	√	√	√	√	√	Initializ rain sensor	
			RLSS Rain/light solar sensor	√	√	√	√	√	Initializ 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)	√	√	√	√	√		
			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	√	√	√	√	√		
			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	√	√	√	√	√		
			TRMFR Door module, front passenger	√	√	√	√	√		

BMW V42.00 Diagnostics List (Note:For reference only)

Menu				Functions						
Series	Chassis	Module	ECU System	Sys. Info.	Read code	Clear code	Data Stream	Actuation	Special Functions	Others
			TMFA Door module, driver	√	√	√	√	√		
			ULF Universal charging and hands-free facility	√	√	√	√	√		
			ULF-SBX Interface box	√	√	√	√	√		
			ULF-SBX-H Interface box High	√	√	√	√	√		
			VM Video Module	√	√	√	√	√		
		Short test		√	√	√				
		Coding /	Maintenance \ CBS Reset						1.Engine Oil 2.Microfilter 3.Front barke 4.Rear brake 5.Vehicle check 6.Spark plugs 7.Brake fluid 8.Vehicle inspection 9.Exhaust emission inspection 10.Diesel particle filter	

BMW V42.00 Diagnostics List (Note:For reference only)

Menu				Functions						
Series	Chassis	Module	ECU System	Sys. Info.	Read code	Clear code	Data Stream	Actuation	Special Functions	Others
		Program	Maintenance \ CBS Correct						1.Engine Oil 2.Microfilter 3.Front barke 4.Rear brake 5.Vehicle check 6.Spark plugs 7.Brake fluid 8.Diesel particle filter	
			Maintenance						1.Delete transport mode	
			Service functions						Adjustment, Steering-angle sensor	
		Driver	DME Digital Motor Electronics	√	√	√	√	√		
			EGS Transmission control	√	√	√	√	√		
			EWS (Elec. immobilize system)	√	√	√	√	√		
		Chassis	ABS Antilock brake	√	√	√	√	√		
			EHC/EDC (Signal-axle air suspension)	√	√	√	√	√		
			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)	√	√	√	√	√		

BMW V42.00 Diagnostics List (Note:For reference only)

Menu				Functions								
Series	Chassis	Module	ECU System	Sys. Info.	Read code	Clear code	Data Stream	Actuation	Special Functions	Others		
	E23	Body	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		
		Driver		Driver	DME Digital Motor Electronics	√	√	√	√	√		
					EGS Transmission control	√	√	√	√	√		
					EWS (Elec. immobilize system)	√	√	√	√	√		
ABS Antilock brake	√				√	√	√	√				

BMW V42.00 Diagnostics List (Note:For reference only)

Menu				Functions						
Series	Chassis	Module	ECU System	Sys. Info.	Read code	Clear code	Data Stream	Actuation	Special Functions	Others
		Chassis	EHC/EDC (Signal-axle air suspension)	√	√	√	√	√		
	E32	Body	ADS Throttle-Valve Control	√	√	√	√	√		
			AHK (Active-Axle Kinematics)	√	√	√	√	√		
			CVM Convertible-top module	√	√	√	√	√		
			DWA Antitheft alarm system	√	√	√	√	√		
			EKM (Electronic Body Module)	√	√	√	√	√		
			EML (Elec. throttle)	√	√	√	√	√		
			FKH (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 V42.00 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module	ECU System	Sys. Info.	Read code	Clear code	Data Stream	Actuation	Special Functions	Others	
			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		
		Driver	DME Digital Motor Electronics	√	√	√	√	√	1.Clear Adaptations 2.DME-EWS adjustment 3.CO adjustment		
				EGS Transmission control	√	√	√	√	√		
				EWS (Elec. immobilize system)	√	√	√	√	√		
			Chassis	ABS Antilock brake	√	√	√	√	√		
				EHC/EDC (Signal-axle air suspension)	√	√	√	√	√		
				LEW (Steering-angle sensor)	√	√	√	√	√		
				MFL (Multi-function steering wheel)	√	√	√	√	√		
				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)	√	√	√	√	√		

BMW V42.00 Diagnostics List (Note:For reference only)

Menu				Functions						
Series	Chassis	Module	ECU System	Sys. Info.	Read code	Clear code	Data Stream	Actuation	Special Functions	Others
		Body	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)	√	√	√	√	√		
			ZKE (Central body electronic)	√	√	√	√	√		
			ZCS/FA Coding							1.Display Coding code and print
		ZCS/FA Coding \ Recoding							1.ABS 2.LCM/LSZ 3.EWS	
		CAR MEMORY\LIGHTING\External lights\Daytime driving light							1.Active 2.Not active	
		CAR MEMORY\LIGHTING\External lights\Home lights							1.Not active 2.40 s 3.90 s 4.150 s 5.240 s	

BMW V42.00 Diagnostics List (Note:For reference only)

Menu				Functions						
Series	Chassis	Module	ECU System	Sys. Info.	Read code	Clear code	Data Stream	Actuation	Special Functions	Others
	E38	Coding / Program	CAR MEMORY\LIGHTING\Interior lighting\ON during unlock						1.Active 2.Not active	
			CAR MEMORY\LIGHTING\Interior lighting\ON at terminal R off, light on beforehand						1.Active 2.Not active	
			CAR MEMORY\LIGHTING\Interior lighting\Soft ON/OFF						1.Active 2.Not active	
			CAR MEMORY\ANTI-THEFT SYSTEM\Interior lighting\Interior sensor						1.Active 2.Not active	
			CAR MEMORY\ANTI-THEFT SYSTEM\Interior lighting\Tilt alarm sensor						1.Active 2.Not active	
			CAR MEMORY\ANTI-THEFT SYSTEM\Interior lighting\Arm/disarm						1.remote control 2.locks and remote control	
			CAR MEMORY\ANTI-THEFT SYSTEM\Interior lighting\Acknowledge\Disarm visually						1.Active 2.Not active	
			CAR MEMORY\ANTI-THEFT SYSTEM\Interior lighting\Acknowledge\Arm visually						1.Active 2.Not active	

BMW V42.00 Diagnostics List (Note:For reference only)

Menu				Functions						
Series	Chassis	Module	ECU System	Sys. Info.	Read code	Clear code	Data Stream	Actuation	Special Functions	Others
7 Series			CAR MEMORY\ANTI-THEFT SYSTEM\Interior lighting\Acknowledge\Arm visually, lids closed						1.Active 2.Not active	
			CAR MEMORY\CENTRAL LOCKING\RC interior light						1.Active 2.Not active	
			CAR MEMORY\CENTRAL LOCKING\Open luggage compartment via remote control						1.when disarmed 2.always	
			CAR MEMORY\CENTRAL LOCKING\Lock again 2 min after unlocking without opening						1.Active 2.Not active	
			CAR MEMORY\CENTRAL LOCKING\Automatic locking after starting off						1.Active 2.Not active	
			CAR MEMORY\CENTRAL LOCKING\Centre lock button, when locked						1.Active 2.Not active	
			CAR MEMORY\CENTRAL LOCKING\Entrance aid						1.Active 2.Not active	
			Service functions						1. Key Test 2. Display status of all keys 3. Disable/Enable key	

BMW V42.00 Diagnostics List (Note:For reference only)

Menu				Functions						
Series	Chassis	Module	ECU System	Sys. Info.	Read code	Clear code	Data Stream	Actuation	Special Functions	Others
		Driver	CAS Car Access System	√	√	√	√	√	1.Personalisation key number 2.Disable_enable key	
			DDE Diesel Electronics	√	√	√	√	√	1.DDE-CAS adjustment 2.Air-mass flow sensor adaptation	
			DME Digital Motor Electronics	√	√	√	√	√	1.DME-CAS adjustment 2.CO adjustment 3.Clear adaptations	
			DME2 Digital Motor Electronics 2	√	√	√	√	√	1.Reset adaptation values 2.Reset learning functions	
			EGS Transmission control	√	√	√	√	√		
			EKPS Fuel-pump control	√	√	√	√	√		
			VTC Valvetronic	√	√	√	√	√		
			VTC2 Valvetronic 2	√	√	√	√	√		
			VTC2 Valvetronic, bank 2	√	√	√	√	√		
			Chassis	ACC Active Cruise Control	√	√	√	√	√	
		ACC2 Active Cruise Control 2		√	√	√	√	√		
		ARS Dynamic Drive		√	√	√	√	√		
		ARS Dynamic Drive 2		√	√	√	√	√		
		CIM Chassis Integration Module		√	√	√	√	√		
		CIM2 Chassis Integration Module 2		√	√	√	√	√		
		DSC Dynamic Stability Control		√	√	√	√	√	1.Bleed routine	
		EHC Electronic Ride-Height Control		√	√	√	√	√		

BMW V42.00 Diagnostics List (Note:For reference only)

Menu				Functions						
Series	Chassis	Module	ECU System	Sys. Info.	Read code	Clear code	Data Stream	Actuation	Special Functions	Others
			EMF Parking brake	√	√	√	√	√		
			RDC Tyre pressure control	√	√	√	√	√		
			AHL Adaptive directional headlights	√	√	√	√	√		
			AHM Trailer module	√	√	√	√	√		
			AMP Amplifier	√	√	√	√	√		
			ANT Aerial/antenna tuner	√	√	√	√	√		
			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	√	√	√	√	√		
			FLA High Beam Assist	√	√	√	√	√		

BMW V42.00 Diagnostics List (Note:For reference only)

Menu				Functions						
Series	Chassis	Module	ECU System	Sys. Info.	Read code	Clear code	Data Stream	Actuation	Special Functions	Others
			HKL Rear-lid lift	√	√	√	√	√		
			IBOC Digital tuner US	√	√	√	√	√		
			IHKA Integrated automatic heating/air conditioning	√	√	√	√	√	Flap motors Coolant compressor	
			INSTR Instrument cluster	√	√	√	√	√		
			ument cluster	√	√	√	√	√		
			JNAV Navigation system, Japan	√	√	√	√	√		
			KHI Headset interface	√	√	√	√	√		
			KNAV Navigation system, Korea	√	√	√	√	√		
			LM Lights Module	√	√	√	√	√		
			LM2 AHL2 Light module 2 with adaptive headlight 2	√	√	√	√	√		
			LM2 Light Module 2	√	√	√	√	√		
			LM2 Light Module 2 with adpative headlight	√	√	√	√	√		
			NAV (Navigation system)	√	√	√	√	√		
			NVE Night Vision Electronics	√	√	√	√	√		
			NVK Night Vision camera	√	√	√	√	√		
			PDC Park Distance Control	√	√	√	√	√		
			PM Power Module	√	√	√	√	√		
			RLS Rain/Light Sensor	√	√	√	√	√	Initializ rain sensor	
			SASL Satellite, A-pillar, left	√	√	√	√	√		
			SASR Satellite, A-pillar, right	√	√	√	√	√		
			SBSL Satellite, B-pillar, left	√	√	√	√	√		
			SBSR Satellite, B-pillar, right	√	√	√	√	√		

BMW V42.00 Diagnostics List (Note:For reference only)

Menu				Functions						
Series	Chassis	Module	ECU System	Sys. Info.	Read code	Clear code	Data Stream	Actuation	Special Functions	Others
			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	√	√	√	√	√		
			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	√	√	√	√	√		
			STVR Satellite, door, front right	√	√	√	√	√		

BMW V42.00 Diagnostics List (Note: For reference only)

Menu				Functions						
Series	Chassis	Module	ECU System	Sys. Info.	Read code	Clear code	Data Stream	Actuation	Special Functions	Others
			SVS Language processing system	√	√	√	√	√		
			TEL Telephone	√	√	√	√	√		
			TMBFH Door module, passenger's side rear	√	√	√	√	√		
			TMBFT Door module, passenger door	√	√	√	√	√		
			TMFAH Door module, driver's side rear	√	√	√	√	√		
			TMFAT Door module, driver's door	√	√	√	√	√		
			VM Video Module	√	√	√	√	√		
			SMFA Seat module, driver	√	√	√	√	√		
			TCU Telematic Control unit	√	√	√	√	√		
			WIM Wiper module	√	√	√	√	√		
			ZGM Central Gateway Module	√	√	√	√	√		
			ZBM Two-battery management	√	√	√	√	√		
			Short test	√	√	√				

BMW V42.00 Diagnostics List (Note: For reference only)

Menu				Functions						
Series	Chassis	Module	ECU System	Sys. Info.	Read code	Clear code	Data Stream	Actuation	Special Functions	Others
8 Series	E31		EWS (Elec. immobilize system)	√	√	√	√	√		
		Chassis	ABS Antilock brake	√	√	√	√	√		
			EHC/EDC (Signal-axle air suspension)	√	√	√	√	√		
		Body	CVM Convertible-top module	√	√	√	√	√		
			DWA Antitheft alarm system	√	√	√	√	√		
			EKM (Electronic Body Module)	√	√	√	√	√		
			EML (Elec. throttle)	√	√	√	√	√		
			FKK (Rear Heater A/C System)	√	√	√	√	√		
			GR (Cruise control)	√	√	√	√	√		
			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)	√	√	√	√	√					

BMW **V42.00** Diagnostics List (Note:For reference only)

Menu				Functions						
Series	Chassis	Module	ECU System	Sys. Info.	Read code	Clear code	Data Stream	Actuation	Special Functions	Others
		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	
X3-E83		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	
			EGS Transmission control	√	√	√	√	√		
			EWS (Elec. immobilize system)	√	√	√	√	√		
			EKPS (Fuel-pump control)	√	√	√	√	√		
			VTG Transfer case	√	√	√	√	√		
		Chassis	ABS Antilock brake	√	√	√	√	√		
			LEW (Steering-angle sensor)	√	√	√	√	√		
			MFL (Multi-function steering wheel)	√	√	√	√	√		
			AIC (Automatic Interval Control)	√	√	√	√	√		
			CID Central Information Display	√	√	√	√	√		
			IHKA/IHKR (AC/heater)	√	√	√	√	√		
			IKE/IKI/KOMBI	√	√	√	√	√	1.Reset service interval indicator	

BMW V42.00 Diagnostics List (Note:For reference only)

Menu				Functions						
Series	Chassis	Module	ECU System	Sys. Info.	Read code	Clear code	Data Stream	Actuation	Special Functions	Others
		Body	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)	√	√	√	√	√		
		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	
		Driver	DME Digital Motor Electronics	√	√	√	√	√	1.Clear Adaptations 2.DME/DDE-EWS adjustment 3.CO adjustment 4.Air-mass flow sensor adaptation	
			EGS Transmission control	√	√	√	√	√		
			EWS (Elec. immobilize system)	√	√	√	√	√		
		Chassis	ABS Antilock brake	√	√	√	√	√		
			EHC/EDC (Signal-axle air suspension)	√	√	√	√	√		
			LEW (Steering-angle sensor)	√	√	√	√	√		

BMW **V42.00** Diagnostics List (Note:For reference only)

Menu				Functions						
Series	Chassis	Module	ECU System	Sys. Info.	Read code	Clear code	Data Stream	Actuation	Special Functions	Others
		Coding / Program	ZCS/FA Coding \ Recoding						1.ABS 2.LCM/LSZ	
			Service functions						1. Key Test 2. Display status of all keys 3. Disable/Enable key	
		Driver	CAS Car Access System	√	√	√	√	√	1.Personalisation key number 2.Disable_enable key	
			DDE Diesel Electronics	√	√	√	√	√	1.DDE-CAS adjustment 2.Air-mass flow sensor adaptation	
			DME Digital Motor Electronics	√	√	√	√	√	1.DME-CAS adjustment 2.CO adjustment 3.Clear adaptations	
			EGS Transmission control	√	√	√	√	√	1.Reset adaptation values 2.Reset learning functions 3.Mechatronics adjustment 4.Oil-level adjustment	
			GWS Gear selector switch	√	√	√	√	√		
			EKPS Fuel-pump control	√	√	√	√	√		
			QMVH [Lateral-moment distribution, rear axle]	√	√	√	√	√		
			VTC Valvetronic	√	√	√	√	√		
			VTC2 Valvetronic 2	√	√	√	√	√		
			VTG Transfer case	√	√	√	√	√		

BMW V42.00 Diagnostics List (Note:For reference only)

Menu				Functions						
Series	Chassis	Module	ECU System	Sys. Info.	Read code	Clear code	Data Stream	Actuation	Special Functions	Others
		Chassis	AL Active steering	√	√	√	√	√		
			ARS Dynamic Drive	√	√	√	√	√		
			DSC Dynamic Stability Control	√	√	√	√	√	1.Bleed routine	
			EDCSHL Damper satellite, rear left	√	√	√	√	√		
			EDCSHR Damper satellite, rear right	√	√	√	√	√		
			EDCSVL Damper satellite, front left	√	√	√	√	√		
			EDCSVR Damper satellite, front right	√	√	√	√	√		
			EHC Electronic Ride-Height Control	√	√	√	√	√		
			EMF Parking brake	√	√	√	√	√		
			RDC Tyre pressure control	√	√	√	√	√		
			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	√	√	√	√	√		
			CCC-ASK Audio system controller	√	√	√	√	√		
			CCC-BO User interface	√	√	√	√	√		
			CCC-GW Gateway	√	√	√	√	√		
			CDC CD Changer	√	√	√	√	√		
		CHAMP-BO User interface	√	√	√	√	√			

BMW **V42.00** Diagnostics List (Note:For reference only)

Menu				Functions						
Series	Chassis	Module	ECU System	Sys. Info.	Read code	Clear code	Data Stream	Actuation	Special Functions	Others
X Series	X5-E70	Body	CHAMP-GW Gateway	√	√	√	√	√		
			CID Central Information Display	√	√	√	√	√		
			CNAV Navigation system, China	√	√	√	√	√		
			CON Controller	√	√	√	√	√		
			DAB Digital tuner	√	√	√	√	√		
			DVD-C DVD Changer	√	√	√	√	√		
			FD Rear-compartment display	√	√	√	√	√		
			FKA Rear heater/air conditioning	√	√	√	√	√		
			FLA High Beam Assist	√	√	√	√	√		
			FRM2 Footwell module 2	√	√	√	√	√		
			FZD Function centre, roof	√	√	√	√	√	Initializ rain sensor	
			HKL Rear-lid lift	√	√	√	√	√		
			HUD Head-Up Display	√	√	√	√	√		
			IBOC Digital tuner US	√	√	√	√	√		
			IHKA Integrated automatic heating/air conditioning	√	√	√	√	√	Flap motors Coolant compressor	
			INSTR Instrument cluster	√	√	√	√	√		
			ument 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	√	√	√	√	√					

BMW V42.00 Diagnostics List (Note:For reference only)

Menu				Functions						
Series	Chassis	Module	ECU System	Sys. Info.	Read code	Clear code	Data Stream	Actuation	Special Functions	Others
			RFK Reversing camera	√	√	√	√	√		
			RLSS Rain/light solar sensor	√	√	√	√	√	Initializ rain sensor	
			RSE Rear Seat Entertainment	√	√	√	√	√		
			SDARS satellite tuner	√	√	√	√	√		
			SINE Siren with tilt sensor	√	√	√	√	√		
			SMBF Seat module, passenger	√	√	√	√	√		
			SMFA Seat module, driver	√	√	√	√	√		
			TCU Telematic Control unit	√	√	√	√	√		
			ULF-SBX Interface box	√	√	√	√	√		
			ULF-SBX-H Interface box High	√	√	√	√	√		
			VM Video Module	√	√	√	√	√		
			VSW video switch	√	√	√	√	√		
		Short test		√	√	√				
		Coding /	Maintenance \ CBS Reset						1.Engine Oil 2.Microfilter 3.Front barke 4.Rear brake 5.Vehicle check 6.Spark plugs 7.Brake fluid 8.Vehicle inspection 9.Exhaust emission inspection 10.Diesel particle filter	

BMW V42.00 Diagnostics List (Note:For reference only)

Menu				Functions						
Series	Chassis	Module	ECU System	Sys. Info.	Read code	Clear code	Data Stream	Actuation	Special Functions	Others
		Program	Maintenance \ CBS Correct						1.Engine Oil 2.Microfilter 3.Front barke 4.Rear brake 5.Vehicle check 6.Spark plugs 7.Brake fluid 8.Diesel particle filter	
			Maintenance						1.Delete transport mode	
			Service functions						Adjustment, Steering-angle sensor	
		Driver	CAS Car Access System	√	√	√	√	√	1.Personalisation key number 2.Disable_enable key	
			DDE Diesel Electronics	√	√	√	√	√	1.DDE-CAS adjustment 2.Air-mass flow sensor adaptation	
			DME Digital Motor Electronics	√	√	√	√	√	1.DME-CAS adjustment 2.CO adjustment 3.Clear adaptations	
			EGS Transmission control	√	√	√	√	√	1.Reset adaptation values 2.Reset learning functions 3.Mechatronics adjustment 4.Oil-level adjustment	
			GWS Gear selector switch	√	√	√	√	√		

BMW V42.00 Diagnostics List (Note:For reference only)

Menu				Functions						
Series	Chassis	Module	ECU System	Sys. Info.	Read code	Clear code	Data Stream	Actuation	Special Functions	Others
			EKPS Fuel-pump control	√	√	√	√	√		
			QMVH [Lateral-moment distribution, rear axle]	√	√	√	√	√		
			VTG Transfer case	√	√	√	√	√		
		Chassis	AL Active steering	√	√	√	√	√		
			ARS Dynamic Drive	√	√	√	√	√		
			DSC Dynamic Stability Control	√	√	√	√	√	1.Bleed routine	
			EDCSHL Damper satellite, rear left	√	√	√	√	√		
			EDCSHR Damper satellite, rear right	√	√	√	√	√		
			EDCSVL Damper satellite, front left	√	√	√	√	√		
			EDCSVR Damper satellite, front right	√	√	√	√	√		
			EHC Electronic Ride-Height Control	√	√	√	√	√		
			EMF Parking brake	√	√	√	√	√		
			Integrated Chassis Management	√	√	√	√	√		
			RDC Tyre pressure control	√	√	√	√	√		
			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	√	√	√	√	√			

BMW V42.00 Diagnostics List (Note:For reference only)

Menu				Functions						
Series	Chassis	Module	ECU System	Sys. Info.	Read code	Clear code	Data Stream	Actuation	Special Functions	Others
			CCC-ASK Audio system controller	√	√	√	√	√		
			CCC-BO User interface	√	√	√	√	√		
			CCC-GW Gateway	√	√	√	√	√		
			CDC CD Changer	√	√	√	√	√		
			CHAMP-BO User interface	√	√	√	√	√		
			CHAMP-GW Gateway	√	√	√	√	√		
			CID Central Information Display	√	√	√	√	√		
			CNAV Navigation system, China	√	√	√	√	√		
			CON Controller	√	√	√	√	√		
			DAB Digital tuner	√	√	√	√	√		
			DVD-C DVD Changer	√	√	√	√	√		
			FD Rear-compartment display	√	√	√	√	√		
			FKA Rear heater/air conditioning	√	√	√	√	√		
			FLA High Beam Assist	√	√	√	√	√		
			FRM2 Footwell module 2	√	√	√	√	√		
			FZD Function centre, roof	√	√	√	√	√	Initializ rain sensor	
			HKL Rear-lid lift	√	√	√	√	√		
		Body	HUD Head-Up Display	√	√	√	√	√		
			IBOC Digital tuner US	√	√	√	√	√		
			IHKA Integrated automatic heating/air conditioning	√	√	√	√	√	Flap motors Coolant compressor	
			INSTR Instrument cluster	√	√	√	√	√		
			ument cluster	√	√	√	√	√		
			JBE2 Junction Box electronics 2	√	√	√	√	√		
			JNAV Navigation system, Japan	√	√	√	√	√		

BMW V42.00 Diagnostics List (Note: For reference only)

Menu				Functions						
Series	Chassis	Module	ECU System	Sys. Info.	Read code	Clear code	Data Stream	Actuation	Special Functions	Others
			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	√	√	√	√	√	Initializ rain sensor	
			RSE Rear Seat Entertainment	√	√	√	√	√		
			SDARS satellite tuner	√	√	√	√	√		
			SINE Siren with tilt sensor	√	√	√	√	√		
			SMBF Seat module, passenger	√	√	√	√	√		
			SMFA Seat module, driver	√	√	√	√	√		
			TCU Telematic Control unit	√	√	√	√	√		
			ULF-SBX Interface box	√	√	√	√	√		
			ULF-SBX-H Interface box High	√	√	√	√	√		
			VM Video Module	√	√	√	√	√		
			VSW video switch	√	√	√	√	√		
		Short test		√	√	√				

BMW V42.00 Diagnostics List (Note: For reference only)

Menu				Functions						
Series	Chassis	Module	ECU System	Sys. Info.	Read code	Clear code	Data Stream	Actuation	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	
			Maintenance						1.Delete transport mode	
			Service functions						Adjustment, Steering-angle sensor	
		Driver	DME Digital Motor Electronics	√	√	√	√	√		
			EGS Transmission control	√	√	√	√	√		
			EWS (Elec. immobilize system)	√	√	√	√	√		

BMW V42.00 Diagnostics List (Note: For reference only)

Menu				Functions						
Series	Chassis	Module	ECU System	Sys. Info.	Read code	Clear code	Data Stream	Actuation	Special Functions	Others
Z1-E30	Chassis	Chassis	ABS Antilock brake	√	√	√	√	√		
			EHC/EDC (Signal-axle air suspension)	√	√	√	√	√		
	Body	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 V42.00 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module	ECU System	Sys. Info.	Read code	Clear code	Data Stream	Actuation	Special Functions	Others	
			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	
	Rody	Driver	DME Digital Motor Electronics	√	√	√	√	√			
			EGS Transmission control	√	√	√	√	√			
			EWS (Elec. immobilize system)	√	√	√	√	√			
		Chassis	ABS Antilock brake	√	√	√	√	√			
			EHC/EDC (Signal-axle air suspension)	√	√	√	√	√			
			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	√	√	√	√	√						

BMW V42.00 Diagnostics List (Note:For reference only)

Menu				Functions						
Series	Chassis	Module	ECU System	Sys. Info.	Read code	Clear code	Data Stream	Actuation	Special Functions	Others
		Body	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)	√	√	√	√	√		
			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	

BMW V42.00 Diagnostics List (Note:For reference only)

Menu				Functions						
Series	Chassis	Module	ECU System	Sys. Info.	Read code	Clear code	Data Stream	Actuation	Special Functions	Others
	Z3-E36	Coding / Program	CAR MEMORY\LIGHTING\Interior lighting\ON at terminal R off, light on beforehand						1.Active 2.Not active	
			CAR MEMORY\LIGHTING\Interior lighting\Soft ON/OFF						1.Active 2.Not active	
			CAR MEMORY\ANTI-THEFT SYSTEM\Interior lighting\Interior sensor						1.Active 2.Not active	
			CAR MEMORY\ANTI-THEFT SYSTEM\Interior lighting\Tilt alarm sensor						1.Active 2.Not active	
			CAR MEMORY\ANTI-THEFT SYSTEM\Interior lighting\Arm/disarm						1.remote control 2.locks and remote control	
			CAR MEMORY\ANTI-THEFT SYSTEM\Interior lighting\Acknowledge\Disarm visually						1.Active 2.Not active	
			CAR MEMORY\ANTI-THEFT SYSTEM\Interior lighting\Acknowledge\Arm visually						1.Active 2.Not active	
			CAR MEMORY\ANTI-THEFT SYSTEM\Interior lighting\Acknowledge\Arm visually, lids closed						1.Active 2.Not active	

BMW V42.00 Diagnostics List (Note:For reference only)

Menu				Functions						
Series	Chassis	Module	ECU System	Sys. Info.	Read code	Clear code	Data Stream	Actuation	Special Functions	Others
Z Series			CAR MEMORY\CENTRAL LOCKING\RC interior light						1.Active 2.Not active	
			CAR MEMORY\CENTRAL LOCKING\Open luggage compartment via remote control						1.when disarmed 2.always	
			CAR MEMORY\CENTRAL LOCKING\Lock again 2 min after unlocking without opening						1.Active 2.Not active	
			CAR MEMORY\CENTRAL LOCKING\Automatic locking after starting off						1.Active 2.Not active	
			CAR MEMORY\CENTRAL LOCKING\Centre lock button, when locked						1.Active 2.Not active	
			CAR MEMORY\CENTRAL LOCKING\Entrance aid						1.Active 2.Not active	
			Service functions						1. Key Test 2. Display status of all keys 3. Disable/Enable key	
			Driver	DME Digital Motor Electronics	√	√	√	√	√	1.Clear Adaptations 2.DME-EWS adjustment 3.CO adjustment
	Driver	EGS Transmission control	√	√	√	√	√			
	Driver	EKPS (Fuel-pump control)	√	√	√	√	√			
	Driver	EWS (Elec. immobilize system)	√	√	√	√	√			

BMW V42.00 Diagnostics List (Note:For reference only)

Menu				Functions							
Series	Chassis	Module	ECU System	Sys. Info.	Read code	Clear code	Data Stream	Actuation	Special Functions	Others	
	Z4- E85/E86	Chassis	ABS Antilock brake	√	√	√	√	√			
			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)	√	√	√	√	√				
		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 V42.00 Diagnostics List (Note:For reference only)

Menu				Functions						
Series	Chassis	Module	ECU System	Sys. Info.	Read code	Clear code	Data Stream	Actuation	Special Functions	Others
		Driver	CAS Car Access System	√	√	√	√	√	1.Personalisation key number 2.Disable_enable key	
			DME Digital Motor Electronics	√	√	√	√	√	1.DME-CAS adjustment 2.CO adjustment 3.Clear adaptations	
			DKG Twin-clutch gearbox	√	√	√	√	√		
			EGS Transmission control	√	√	√	√	√	1.Reset adaptation values 2.Reset learning functions 3.Mechatronics adjustment 4.Oil-level adjustment	
			EKPS Fuel-pump control	√	√	√	√	√		
			GWS Gear selector switch	√	√	√	√	√		
		Chassis	DSC Dynamic Stability Control	√	√	√	√	√	1.Bleed routine	
			EDC Damper Control	√	√	√	√	√		
			EMF Parking brake	√	√	√	√	√		
			EPS Electronic Power Steering	√	√	√	√	√		
			RDC Tyre pressure control	√	√	√	√	√		
			AMP Amplifier	√	√	√	√	√		
			CA Comfort Access	√	√	√	√	√		
			CDC CD Changer	√	√	√	√	√		
			CIC Car Inforamtion Computer	√	√	√	√	√		
			CIC-GW Gateway	√	√	√	√	√		
			CID Central Information Display	√	√	√	√	√		
			CON Controller	√	√	√	√	√		

BMW V42.00 Diagnostics List (Note: For reference only)

Menu				Functions						
Series	Chassis	Module	ECU System	Sys. Info.	Read code	Clear code	Data Stream	Actuation	Special Functions	Others
			CTM Convertible-top module	√	√	√	√	√		
			DAB Digital tuner	√	√	√	√	√		
			DVD-C DVD Changer	√	√	√	√	√		
			DWA Antitheft alarm system	√	√	√	√	√		
			FLA High Beam Assist	√	√	√	√	√		
			FRM2 Footwell module 2	√	√	√	√	√		
			FZD Function centre, roof	√	√	√	√	√	Initializ rain sensor	
			IHR Integrated heater control	√	√	√	√	√		
			IHKR Interagted heating/air-conditioning regulation	√	√	√	√	√		
			IHKA Integrated automatic heating/air conditioning	√	√	√	√	√	Flap motors Coolant compressor	
		Body	INSTR Instrument cluster	√	√	√	√	√		
			ument cluster	√	√	√	√	√		
	Z4-E89		JBE2 Junction Box electronics 2	√	√	√	√	√		
			M-ASK-BO User interface	√	√	√	√	√		
			M-ASK-GW Gateway	√	√	√	√	√		
			MRS Multiple Restraint system	√	√	√	√	√		
			NAV Navigation system	√	√	√	√	√		
			PDC Park Distance Control	√	√	√	√	√		
			RAD Radio	√	√	√	√	√		
			RAD2-BO User interface	√	√	√	√	√		
			RAD2-GW Gateway	√	√	√	√	√		
			RLSS Rain/light solar sensor	√	√	√	√	√	Initializ rain sensor	
			SINE Siren with tilt sensor	√	√	√	√	√		

BMW V42.00 Diagnostics List (Note:For reference only)

Menu				Functions						
Series	Chassis	Module	ECU System	Sys. Info.	Read code	Clear code	Data Stream	Actuation	Special Functions	Others
			SMFA Seat module, driver	√	√	√	√	√		
			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		√	√	√				
		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	

BMW V42.00 Diagnostics List (Note:For reference only)

Menu				Functions						
Series	Chassis	Module	ECU System	Sys. Info.	Read code	Clear code	Data Stream	Actuation	Special Functions	Others
		Coding / Program	ZCS/FA Coding						1.Display Coding code and print	
			Service functions						1. Key Test 2. Display status of all keys 3. Disable/Enable key	
	MINI-R50/R52/R53	Driver	DME Digital Motor Electronics	√	√	√	√	√		
			EGS Transmission control	√	√	√	√	√		
			EWS (Elec. immobilize system)	√	√	√	√	√		
		Chassis	ABS Antilock brake	√	√	√	√	√		
			LEW (Steering-angle sensor)	√	√	√	√	√		
			RDC (Tyre pressure control)	√	√	√	√	√		
		Body	AIC (Automatic Interval Control)	√	√	√	√	√		
			BM (On-board monitor)	√	√	√	√	√		
			IHKA/IHKB (AC/heater)	√	√	√	√	√		Flap motors 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)	√	√	√	√	√			
				Coding /	ZCS/FA Coding					

BMW V42.00 Diagnostics List (Note:For reference only)

Menu				Functions						
Series	Chassis	Module	ECU System	Sys. Info.	Read code	Clear code	Data Stream	Actuation	Special Functions	Others
		Coding / Program	Service functions						1. Key Test 2. Display status of all keys 3. Disable/Enable key	
		Driver	CAS Car Access System	√	√	√	√	√	1. Personalisation key number 2. Disable_enable key	
			DME Digital Motor Electronics	√	√	√	√	√	1. DME-CAS adjustment 2. CO adjustment 3. Clear adaptations	
			EGS Transmission control	√	√	√	√	√	1. Reset adaptation values 2. Reset learning functions 3. Mechatronics adjustment 4. Oil-level adjustment	
		Chassis	ABS/ACS/DSC Dynamic Stability Control	√	√	√	√	√	1. Bleed routine	
			RDC Tyre pressure control	√	√	√	√	√		
			AHM Trailer module	√	√	√	√	√		
			AMP Hi-Fi amplifier	√	√	√	√	√		
			CA Comfort Access	√	√	√	√	√		
			CCC-A Applications	√	√	√	√	√		
			CCC-ANT Aerial tuner	√	√	√	√	√		
			CCC-ASK Audio system controller	√	√	√	√	√		
			CCC-BO User interface	√	√	√	√	√		
			CCC-GW Gateway	√	√	√	√	√		
			CDC CD Changer	√	√	√	√	√		

BMW V42.00 Diagnostics List (Note:For reference only)

Menu				Functions						
Series	Chassis	Module	ECU System	Sys. Info.	Read code	Clear code	Data Stream	Actuation	Special Functions	Others
MINI	MINI-R55/R56	Body	CID Central Information Display	√	√	√	√	√		
			CVM Convertible-top module	√	√	√	√	√		
			DAB Digital tuner	√	√	√	√	√		
			FRM Footwell Module	√	√	√	√	√		
			IBOC Digital tuner US	√	√	√	√	√		
			IHKA Integrated automatic heating/air conditioning	√	√	√	√	√		
			IHKS Intergrated heating/air-conditioning control	√	√	√	√	√		
			IHS Integrated heating control	√	√	√	√	√		
			INSTR Instrument cluster	√	√	√	√	√		
			ument 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	√	√	√	√	√					

BMW V42.00 Diagnostics List (Note:For reference only)

Menu				Functions						
Series	Chassis	Module	ECU System	Sys. Info.	Read code	Clear code	Data Stream	Actuation	Special Functions	Others
(*):Tested; (?):Manual on website(www.x431.com) Note:All description rights reserved by LAUNCH TECH.CO.,LTD										

CONNECTOR	X431	DIAGUN
BMW-20	The year before 2000, you can easy to find the 20-pin round socket in engine compartment. And some BMW with two socket, please use the 20-pin one.	N/A
BMW-16	The year after 2000, and before 2007, there are only one OBDII socket in cab without CAN bus diagnosis.	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