FCAR F3 Diagnosis list

Series	Chassis	Module	ECU System	Funtions					
				Sys. Info.	Read code	Clear code	Data Stream	Actuation	Special Functions
		Driver and Chassis	CAS [Car Access System]	√	√	√	√	√	–
			DDE [Diesel Electronics]	√	√	√	√	√	–
			DME [Digital Motor Electronics]	√	√	√	√	√	–
			EGS [Transmission control]	√	√	√	√	√	–
			EKPS [Fuel-pump control]	√	√	√	√	√	–
			AL [Active steering]	√	√	√	√	√	–
			DSC [Dynamic Stability Control]	√	√	√	√	√	√
			EPS [Electronic Power Steering]	√	√	√	√	√	–
			RDC [Tyre pressure control]	√	√	√	√	√	–
			AMP [Amplifier]	√	√	√	√	√	–
			AHM [Trailer module]	√	√	√	√	√	–
			CA [Comfort Access system]	√	√	√	√	√	–
			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]	√	√	√	√	√	–
			CON [Controller]	√	√	√	√	√	–
			CVM [Convertible-top module]	√	√	√	√	√	–
			DWA [Antitheft alarm system]	√	√	√	√	√	–
			FRM [Footwell Module]	√	√	√	√	√	–
			FRM2 [Footwell Module 2]	√	√	√	√	√	–
			FZD [Function Centre, Roof]	√	√	√	√	√	–
			IHKA [Integrated automatic heating/air conditioning]	√	√	√	√	√	–
			IHKR [Integrated heating/air-conditioning regulation]	√	√	√	√	√	–

Series	Chassis	Module	ECU System	Sys. Info.	Read code	Clear code	Data Stream	Actuation	Special Functions
1 Series	1'_E81/E82 /E87/E8 8	Body	IHR [Integrated heater control]	√	√	√	√	√	–
			INSTR [Instrument cluster]	√	√	√	√	√	–
			JBE [Junction-box electronics]	√	√	√	√	√	–
			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 Restranint system]	√	√	√	√	√	–
			PDC [Park Distance Control]	√	√	√	√	√	–
			RAD [Radio]	√	√	√	√	√	–
			RAD2-BO [User interface]	√	√	√	√	√	–
			RAD2-GW [Gateway]	√	√	√	√	√	–
			RLSS [Rain/light solar sensor]	√	√	√	√	√	–
			SDARS [Satellite tuner]	√	√	√	√	√	–
			SINE [Siren and 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]	√	√	√	√	√	–
		Auto Scan							
		Auto Scan Fast							
		Maintenance	CBS reset				Engine oil		
							Microfilter		
							Front brake		
							Rear brake		
							Vehicle check		

Series	Chassis	Module	ECU System	Funtions					
				Sys. Info.	Read code	Clear code	Data Stream	Actuation	Special Functions
		Service function	Maintenance	CBS reset			Spark plugs		
							Break Fluid		
							Vehicle inspection		
							Exhaust emission inspection		
							Diesel particle filter		
			Steering-angle sensor						
		Reset service interval indicator	CBS reset	Engine oil					
				Front brake					
				Rear brake					
				Vehicle check					
				Spark plugs					
				Break Fluid					
				Coolant(E65)					
				Vehicle inspection					
				Exhaust emission inspection					
	3' /Z1_E30 (~ 1993)	Driver and Chassis	DME [Engine]	√	√	√	√	√	–
			EGS [Transmission]	√	√	√	√	√	–
			EWS [Electronic immobilize system]	√	√	√	√	√	–
			GR [Cruise Control]	√	√	√	√	√	–
			EML [Electronic throttle]	√	√	√	√	√	–
			ABS [Antilock brake]	√	√	√	√	√	√
			EHC/EDC [Signal-axle air suspension]	√	√	√	√	√	–
			AHK [Active Rear-Axle Kinematics]	√	√	√	√	√	–
			CVM [Convertible-top module]	√	√	√	√	√	–
			DWA [Burglar-alarm system]	√	√	√	√	√	–
			EKM [Electronic Body Module]	√	√	√	√	√	–
			GSA [Closed-Loop-Controlled Differential-Lock AWD]	√	√	√	√	√	–
			IHKA/IHKR [A/C/heater]	√	√	√	√	√	–
			IKE/IKI/KOMBI [Instrument cluster]	√	√	√	√	√	–

Series	Chassis	Module	ECU System	Funtions					
				Sys. Info.	Read code	Clear code	Data Stream	Actuation	Special Functions
		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]	√	√	√	√	√	–
			VNC [Variable Camshaft Control]	√	√	√	√	√	–
			ZKE [Central body electronic]	√	√	√	√	√	–
		Auto Scan							
		Auto Scan Fast							
	3' /Z3_E36 (1993 ~ 2000)	Driver and Chassis	DME [Engine]	√	√	√	√	√	–
			EGS [Transmission]	√	√	√	√	√	–
			EWS [Electronic immobilize system]	√	√	√	√	√	–
			GR [Cruise control]	√	√	√	√	√	–
			EML [Electronic throttle]	√	√	√	√	√	–
			ABS [Antilock brake]	√	√	√	√	√	√
			EHC/EDC [Signal-axle air suspension]	√	√	√	√	√	–
		Body	AHK [Active Rear-Axle Kinematics]	√	√	√	√	√	–
			CVM [Convertible-top module]	√	√	√	√	√	–
			DWA [Burglar-alarm system]	√	√	√	√	√	–
			EKM [Electronic Body Module]	√	√	√	√	√	–
			GSA [Closed-Loop-Controlled Differential-Lock AWD]	√	√	√	√	√	–
			IHKA/IHKR [AC/heater]	√	√	√	√	√	–
			IKE/IKI/KOMBI [Instrument cluster]	√	√	√	√	√	–
			LSZ/LCM [Light switching center]	√	√	√	√	√	–
			MID [Multi Information Display]	√	√	√	√	√	–
			PDC [Park Distance Control]	√	√	√	√	√	–

				Funtions					
Series	**Chassis**	**Module**	**ECU System**	**Sys. Info.**	**Read code**	**Clear code**	**Data Stream**	**Actuation**	**Special Functions**
			RAD [Radio]	√	√	√	√	√	–
			SHD [Sliding/tilting sunroof]	√	√	√	√	√	–
			SPM/SM	√	√	√	√	√	–
			SRS [Air bag]	√	√	√	√	√	–
			URS [Rollover sensor]	√	√	√	√	√	–
			VNC [Variable Camshaft Control]	√	√	√	√	√	–
			ZKE [Central body electronic]	√	√	√	√	√	–
		Auto Scan							
		Auto Scan Fast							
			DME [Engine]	√	√	√	√	√	–
			DDE [Diesel Electronics]	√	√	√	√	√	–
			EGS [Transmission]	√	√	√	√	√	–
		Driver and Chassis	EWS [Electronic immobilize system]	√	√	√	√	√	–
			GR [Cruise control]	√	√	√	√	√	–
			ABS [Antilock brake]	√	√	√	√	√	√
			LEW [Steering-angle sensor]	√	√	√	√	√	–
			RDC [Tyre pressure control]	√	√	√	√	√	–
			AIC [Automatic Interval Control]	√	√	√	√	√	–
			BIT [Basic Interface Telephone]	√	√	√	√	√	–
			BM [On-board monitor]	√	√	√	√	√	–
			CVM [Convertible-top module]	√	√	√	√	√	–
			IHKA/IHKR [AC/heater]	√	√	√	√	√	–
			IKE/IKI/KOMBI [Instrument cluster]	√	√	√	√	√	–
			LSZ/LCM [Light switch center]	√	√	√	√	√	–
			MFL [Multi-function steering wheel]	√	√	√	√	√	–
			PDC [Park Distance Control]	√	√	√	√	√	–
		Body	RAD [Radio]	√	√	√	√	√	–
			RLSS [Rain/light solar sensor]	√	√	√	√	√	–
			SHD [Sliding/tilting sunroof]	√	√	√	√	√	–

Series	Chassis	Module	ECU System	Funtions					
				Sys. Info.	Read code	Clear code	Data Stream	Actuation	Special Functions
			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]	√	√	√	√	√	–
			TCU [Telematic Control unit]	√	√	√	√	√	–
		Auto Scan							
		Auto Scan Fast							
		Service function	Reset service interval indicator	Programming, Coding	IKE				
					SRS				
					LCM				
					ZKE				
				Drive	Motor Electronics				
				Chassis	ABS/ASC/DSC				
				CODING (Recoding)	LEW[Steering-angle sensor]				
					LSZ[Light switching centre]				
					ZKE[Central Body Electronic]				
					IHKA[Heater and A/C control]				
					SHD[Sunroof module]				
					IKE[Instrument cluster]				
					SM[Seat module]				
				CAR KEY MEMORY	RAD[Radio]				
					LSZ/LCM[Light switching center]				
					ZKE[Central body electronic]				
					DME				
					EGS				

Series	Chassis	Module	ECU System	Funtions					
				Sys. Info.	Read code	Clear code	Data Stream	Actuation	Special Functions
	3'_E46 (1998 ~)	Programming, Coding, Service	E46 1 = 318i	Programming, Coding			EWS		
							ABS		
							A/C		
							SRS		
							IKE		
							LCM		
							ZKE		
				Service functions			ABS/ASC/DSC		
			E46 2 = 330i	Programming, Coding			DME		
							EGS		
							EWS		
							LEW		
							A/C		
							SRS		
							IKE		
							LCM		
							ZKE		
							RAD		
							SZM		
			E46 3 = 323i	Programming, Coding			DME		
							EGS		
							LEW		
							SRS		
							DME		
							EGS		
							EWS		
							ABS		
							A/C		
							SRS		

Series	Chassis	Module	ECU System	Funtions					
				Sys. Info.	Read code	Clear code	Data Stream	Actuation	Special Functions
			E46 4 = 325i	Programming, Coding			IKE		
							LCM		
							ZKE		
							AIC		
							RAD		
							SHD		
							SMF		
							EKP		
				Service functions			ABS/ASC/DSC		
			E46_323Ci_1999	Programming, Coding			IKE		
							SRS		
							LCM		
							ZKE		
				Drive			Motor Electronics		
				Chassis			ABS/ASC/DSC		
				CODING(Recoding)			LEW[Steering-angle sensor]		
							LSZ[Light switching centre]		
							ZKE[Central Body Electronic]		
							IHKA[Heater and A/C control]		
							SHD[Sunroof module]		
							IKE[Instrument cluster]		
							SM[Seat module]		
				CAR KEY MEMORY			RAD[Radio]		
							LSZ/LCM[Light switching center		
							ZKE[Central body electronic]		
			CAS [Car Access System]	√	√	√	√	√	–
			DME [Digital Motor Electronics]	√	√	√	√	√	–
			DDE [Diesel Electronics]	√	√	√	√	√	–
			EGS [Transmission control]	√	√	√	√	√	–

				Funtions					
Series	Chassis	Module	ECU System	Sys. Info.	Read code	Clear code	Data Stream	Actuation	Special Functions
		Driver and Chassis	GWS [Gear selector switch]	√	√	√	√	√	–
			EKPS [Fuel-pump control]	√	√	√	√	√	–
			VTC [Valvetronic]	√	√	√	√	√	–
			VTC2 [Valvetronic 2]	√	√	√	√	√	–
			VTG [Transfer case]	√	√	√	√	√	–
			AL [Active steering]	√	√	√	√	√	–
			ARS [Dynamic Drive]	√	√	√	√	√	√
			DSC [Dynamic Stability Control]	√	√	√	√	√	–
			EHC [Electronic Ride-Height Control]	√	√	√	√	√	–
			EMF [Parking brake]	√	√	√	√	√	–
			EPS [Electronic Power Steering]	√	√	√	√	√	–
			LDM [Longitudinal Dynamics Management]	√	√	√	√	√	–
			RDC [Tyre pressure control]	√	√	√	√	√	–
			VDM [Vertical Dynamics Management]	√	√	√	√	√	–
			ACSM/SRS [Crash Safety Module]	√	√	√	√	√	–
			AHM [Trailer module]	√	√	√	√	√	–
			AMPH [Hi-Fi amplifier]	√	√	√	√	√	–
			AMPT [Top Hi-Fi amplifier]	√	√	√	√	√	–
			CA [Comfort Access system]	√	√	√	√	√	–
			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]	√	√	√	√	√	–

				Funtions					
Series	Chassis	Module	ECU System	Sys. Info.	Read code	Clear code	Data Stream	Actuation	Special Functions
3 Series		Chassis	CON [Controller]	√	√	√	√	√	–
			DVD-C [DVD Changer]	√	√	√	√	√	–
			DWA [Antitheft alarm system]	√	√	√	√	√	–
			FD [Rear-cabin display]	√	√	√	√	√	–
			FKA [Rear heater/air conditioning]	√	√	√	√	√	–
			FLA [High Beam Assist]	√	√	√	√	√	–
			FRM2 [Footwell module 2]	√	√	√	√	√	–
			FZD [Function Center, Roof]	√	√	√	√	√	–
			HKL [Rear-lid lift]	√	√	√	√	√	–
			HUD [Head-Up Display]	√	√	√	√	√	–
			HKA [Integrated automatic heating/air conditioning]	√	√	√	√	√	–
			INSTR [Instrument cluster]	√	√	√	√	√	–
			JBE2 [Junction Box electronics 2]	√	√	√	√	√	–
			JNAV [Navigation system, Japan]	√	√	√	√	√	–
			KHM [Headphones module]	√	√	√	√	√	–
			KNAV [Navigation system, Korea]	√	√	√	√	√	–
			M-ASK-B0 [User interface]	√	√	√	√	√	–
			M-ASK-GW [Gateway]	√	√	√	√	√	–
			PDC [Park Distance Control]	√	√	√	√	√	–
			RFK [Reversing camera]	√	√	√	√	√	–
			RLSS [Rain/Light solar sensor]	√	√	√	√	√	–
			SDARS [Satellite tuner]	√	√	√	√	√	–
			SINE [Siren and tilt sensor]	√	√	√	√	√	–
			SMBF [Seat module, passenger]	√	√	√	√	√	–
			SMFA [Seat module, driver]	√	√	√	√	√	–
			TCU [Transmission Control unit]	√	√	√	√	√	–
			ULF-SBX [Interface box]	√	√	√	√	√	–
			ULF-SBX-H [Interface box High]	√	√	√	√	√	–
			VM [Video Module]	√	√	√	√	√	–

Series	Chassis	Module	ECU System	Funtions					
				Sys. Info.	Read code	Clear code	Data Stream	Actuation	Special Functions
	3`_E90/E91/E92/E93 (2004 ~)		VSW [Video switch]	√	√	√	√	√	–
		Auto Scan							
		Auto Scan Fast							
		Service function	Maintenance	CBS reset	Engine oil				
					Microfilter				
					Front brake				
					Rear brake				
					Vehicle check				
					Spark plugs				
					Break Fluid				
					Vehicle inspection				
					Exhaust emission inspection				
					Diesel particle filter				
			Steering-angle sensor						
		Reset service interval indicator	CBS reset	Engine oil					
				Front brake					
				Rear brake					
				Vehicle check					
				Spark plugs					
				Break Fluid					
				Coolant(E65)					
				Vehicle inspection					
				Exhaust emission inspection					
			E90/E91/E92/E93 1 = 330i	Service functions	1 Steering-angle sensor				
			E90_325i_2005 1	Drive	DME				
					EGS				
				Coding/Program	CODING(Recoding)				
					Maintenance				
					Service functions				

				Funtions					
Series	Chassis	Module	ECU System	Sys. Info.	Read code	Clear code	Data Stream	Actuation	Special Functions
		Programming,Coding ,Service	E90_325i_2005 2	Programming, Coding			Passenger side seat airbag		
							Central door lock		
							Tire pressure		
							Transmission		
			E92_M3_2008	Coding/Program	Maintenance	CBS reset	Engine oil		
							Microfilter		
							Front brake		
							Rear brake		
							Vehicle check		
							Spark plugs		
							Break Fluid		
							Vehicle inspection		
							Exhaust emission inspection		
							Diesel particle filter		
			E90_2003	Programming, Coding			1 oc3_1(seat airbag)		
							2 seat airbag battery		
							3 Automatic close window		
			E90_Unit_Coding(KWP)	SRS - Supplemental Restraint System					
				CCC-ASK [Audio system controller]					
				CAS [Car Access System]					
				KBM [Body Basic Module]					
				INSTR [Instrument cluster]					
				M-ASK-GW [Gateway]					
				DSC [Dynamic Stability control]					
			E93_Unit_Coding(CAN)	ZGM/SGM/JBBF [Safety and Gateway Module]					
				SIM/SGM/ACSM [Safety And Information]					
				CAS [Car Access System]					
				FZD [Functional center roof]					
				INSTR [Instrument cluster]					

				Funtions					
Series	Chassis	Module	ECU System	Sys. Info.	Read code	Clear code	Data Stream	Actuation	Special Functions
			E9S_uhit_coding(CAN)						
			MMI/CCC [MMI Audio System Controller]						
			FAS [Seat Module Front]						
			BFS [Seat Module Back]						
			KBM/FRM [Base Body Module]						
			KLIMA [Climate Module]						
		Driver and Chassis	CAS [Car Access System]	√	√	√	√	√	–
			DME/DDE [Digital motor/Diesel electronics]	√	√	√	√	√	–
			EKPS [Electronic Fuel pump]	√	√	√	√	√	–
			EGS/SMG [Transmission management]	√	√	√	√	√	–
			VTG [Transfer case]	√	√	√	√	√	–
			GWS [Gear selector switch]	√	√	√	√	√	–
			AL [Active steering]	√	√	√	√	√	–
			ICM [Integrated chassis management]	√	√	√	√	√	–
			RDC [Tyre pressure control]	√	√	√	√	√	–
			DSC [Dynamic Stability Control]	√	√	√	√	√	–
			EMF [Parking brake]	√	√	√	√	√	–
			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]	√	√	√	√	√	–
			ACSM/SRS [Crash Safety Module]	√	√	√	√	√	–
			SZL [Switch center steering column]	√	√	√	√	√	–
			TRSVC [All round view camera]	√	√	√	√	√	–
			SWW [Lane change warning]	√	√	√	√	√	–

		Automaker:		BMW
		Software Version:		V7.9

Series	Chassis	Module	ECU System	Funtions					
				Sys. Info.	Read code	Clear code	Data Stream	Actuation	Special Functions
	3'_F30	BODY	ZGM [Central Gateway Module]	√	√	√	√	√	–
			RSE [Rear Seat Eentertainment]	√	√	√	√	√	–
			TCU/ULF [Telephone]	√	√	√	√	√	–
			HUD [Head-Up Display]	√	√	√	√	√	–
			VSW [Video switch]	√	√	√	√	√	–
			VM [Video Module]	√	√	√	√	√	–
			EMALI [Left electric motor reel]	√	√	√	√	√	–
			EMARE [Right electric motor reel]	√	√	√	√	√	–
			FZD [Function centre, roof]	√	√	√	√	√	–
			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]	√	√	√	√	√	–
			SMBFH [Seat module, passenger's side rear]	√	√	√	√	√	–
			HKL [Rear-lid lift]	√	√	√	√	√	–
			SMFA [Seat module, driver]	√	√	√	√	√	–
			SMBF [Seat module, passenger]	√	√	√	√	√	–
			AHM [Trailer module]	√	√	√	√	√	–
			FRM [Footwell Module]	√	√	√	√	√	–
			CID [Central Information Display]	√	√	√	√	√	–
			FD [Rear compartment display]	√	√	√	√	√	–
			FD2 [Rear compartment display 2]	√	√	√	√	√	–
			RFK [Reversing camera]	√	√	√	√	√	–
			HKA [Integrated automatic heating/air conditioning	√	√	√	√	√	–

Series	Chassis	Module	ECU System	Funtions					
				Sys. Info.	Read code	Clear code	Data Stream	Actuation	Special Functions
			FKA [Rear-cabin automatic A/C]	√	√	√	√	√	–
			HKA [Rear-cabin automatic A/C]	√	√	√	√	√	–
			AMP [Amplifier]	√	√	√	√	√	–
			DVDC [DVD changer]	√	√	√	√	√	–
		Auto Scan							
		Auto Scan Fast							
		Service function	Maintenance	CBS reset			Engine oil		
							Front brake		
							Rear brake		
							Vehicle check		
							Break Fluid		
							Microfilter		
							Spark plugs		
							Vehicle inspection		
							Exhaust emission inspection		
		Driver and Chassis	CAS [Car Access System]	√	√	√	√	√	–
			DME/DDE [Digital motor/Diesel electronics]	√	√	√	√	√	–
			EKPS [Electronic Fuel pump]	√	√	√	√	√	–
			EGS/SMG [Transmission management]	√	√	√	√	√	–
			VTG [Transfer case]	√	√	√	√	√	–
			GWS [Gear selector switch]	√	√	√	√	√	–
			AL [Active steering]	√	√	√	√	√	–
			ICM [Integrated chassis management]	√	√	√	√	√	–
			RDC [Tyre pressure control]	√	√	√	√	√	–
			DSC [Dynamic Stability Control]	√	√	√	√	√	–
			EMF [Parking brake]	√	√	√	√	√	–
			HSR [Rear-axle slip-angle control]	√	√	√	√	√	–
			EPS [Electronic Power Steering]	√	√	√	√	√	–
			EHC [Electronic Ride-Height Control]	√	√	√	√	√	–

Series	Chassis	Module	ECU System	Funtions					
				Sys. Info.	Read code	Clear code	Data Stream	Actuation	Special Functions
			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]	√	√	√	√	√	–
			ACSM/SRS [Crash Safety Module]	√	√	√	√	√	–
			SZL [Switch center steering column]	√	√	√	√	√	–
			TRSVC [All round view camera]	√	√	√	√	√	–
			SWW [Lane change warning]	√	√	√	√	√	–
			ZGM [Central Gateway Module]	√	√	√	√	√	–
			RSE [Rear Seat Eentertainment]	√	√	√	√	√	–
			TCU/ULF [Telephone]	√	√	√	√	√	–
			HUD [Head-Up Display]	√	√	√	√	√	–
			VSW [Video switch]	√	√	√	√	√	–
			VM [Video Module]	√	√	√	√	√	–
			EMALI [Left electric motor reel]	√	√	√	√	√	–
			EMARE [Right electric motor reel]	√	√	√	√	√	–
			FZD [Function centre, roof]	√	√	√	√	√	–
			NVE [Night Vision Electronics]	√	√	√	√	√	–
	3'_F35	BODY	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]	√	√	√	√	√	–
			SMBFH [Seat module, passenger's side rear]	√	√	√	√	√	–

				Funtions					
Series	**Chassis**	**Module**	**ECU System**	**Sys. Info.**	**Read code**	**Clear code**	**Data Stream**	**Actuation**	**Special Functions**
			HKL [Rear-lid lift]	√	√	√	√	√	–
			SMFA [Seat module, driver]	√	√	√	√	√	–
			SMBF [Seat module, passenger]	√	√	√	√	√	–
			AHM [Trailer module]	√	√	√	√	√	–
			FRM [Footwell Module]	√	√	√	√	√	–
			CID [Central Information Display]	√	√	√	√	√	–
			FD [Rear compartment display]	√	√	√	√	√	–
			FD2 [Rear compartment display 2]	√	√	√	√	√	–
			RFK [Reversing camera]	√	√	√	√	√	–
			HKA [Integrated automatic heating/air conditioning	√	√	√	√	√	–
			FKA [Rear-cabin automatic A/C]	√	√	√	√	√	–
			HKA [Rear-cabin automatic A/C]	√	√	√	√	√	–
			AMP [Amplifier]	√	√	√	√	√	–
			DVDC [DVD changer]	√	√	√	√	√	–
		Auto Scan							
		Auto Scan Fast							
		Service function	Maintenance	CBS reset			Engine oil		
							Front brake		
							Rear brake		
							Vehicle check		
							Break Fluid		
							Microfilter		
							Spark plugs		
							Vehicle inspection		
							Exhaust emission inspection		
		Driver and Chassis	DME [Engine]	√	√	√	√	√	–
			EGS [Transmission]	√	√	√	√	√	–
			EWS [Electronic immobilize system]	√	√	√	√	√	–
			GR [Cruise control]	√	√	√	√	√	–

Series	Chassis	Module	ECU System	Funtions					
				Sys. Info.	Read code	Clear code	Data Stream	Actuation	Special Functions
	5'_E28 (~1990)		EML [Electronic throttle]	√	√	√	√	√	–
			ABS [Antilock brake]	√	√	√	√	√	√
			EHC/EDC [Signal-axle air suspension]	√	√	√	√	√	–
		BODY	AHK [Active Rear-Axle Kinematics]	√	√	√	√	√	–
			CVM [Convertible-top module]	√	√	√	√	√	–
			DWA [Burglar-alarm system]	√	√	√	√	√	–
			EKM [Electronic Body Module]	√	√	√	√	√	–
			GSA [Closed-Loop-Controlled Differential-Lock AWD]	√	√	√	√	√	–
			IHKA/IHKR [AC/heater]	√	√	√	√	√	–
			IKE/IKI/KOMBI [Instrument cluster]	√	√	√	√	√	–
			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]	√	√	√	√	√	–
			VNC [Variable Camshaft Control]	√	√	√	√	√	–
			ZKE [Central body electronic]	√	√	√	√	√	–
		Auto Scan							
		Auto Scan Fast							
		Driver and Chassis	DME [Engine]	√	√	√	√	√	–
			EGS [Transmission]	√	√	√	√	√	–
			EWS [Electronic immobilize system]	√	√	√	√	√	–
			GR [Cruise control]	√	√	√	√	√	–
			EML [Electronic throttle]	√	√	√	√	√	–
			ABS [Antilock brake]	√	√	√	√	√	√
			EHC/EDC [Signal-axle air suspension]	√	√	√	√	√	–

Series	Chassis	Module	ECU System	Funtions					
				Sys. Info.	Read code	Clear code	Data Stream	Actuation	Special Functions
	5'_E34 (1989 ~ 1995)	BODY	AHK [Active Rear-Axle Kinematics]	√	√	√	√	√	–
			CVM [Convertible-top module]	√	√	√	√	√	–
			DWA [Burglar-alarm system]	√	√	√	√	√	–
			EKM [Electronic Body Module]	√	√	√	√	√	–
			GSA [Closed-Loop-Controlled Differential-Lock AWD]	√	√	√	√	√	–
			IHKA/IHKR [AC/heater]	√	√	√	√	√	–
			IKE/IKI/KOMBI [Instrument cluster]	√	√	√	√	√	–
			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]	√	√	√	√	√	–
			VNC [Variable Camshaft Control]	√	√	√	√	√	–
			ZKE [Central body electronic]	√	√	√	√	√	–
		Auto Scan							
		Auto Scan Fast							
		Driver and Chassis	DME [Engine]	√	√	√	√	√	–
			DDE [Diesel Electronics]	√	√	√	√	√	–
			EGS [Transmission]	√	√	√	√	√	–
			EWS [Electronic immobilize system]	√	√	√	√	√	–
			GR [Cruise control]	√	√	√	√	√	–
			ABS [Antilock brake]	√	√	√	√	√	√
			EHC/EDC [Signal-axle air suspension]	√	√	√	√	√	–
			LEW [Steering-angle sensor]	√	√	√	√	√	–
			AIC [Automatic Interval Control]	√	√	√	√	√	–
			BIT [Basic Interface Telephone]	√	√	√	√	√	–

				Funtions					
Series	Chassis	Module	ECU System	Sys. Info.	Read code	Clear code	Data Stream	Actuation	Special Functions
	5'_E39 (1995 ~)	BODY	BM [On-board monitor]	√	√	√	√	√	–
			IHKA/IHKR [AC/heater]	√	√	√	√	√	–
			IKE/IKI/KOMBI [Instrument cluster]	√	√	√	√	√	–
			LSZ/LCM [Light switching center]	√	√	√	√	√	–
			MFL [Multi-function steering wheel]	√	√	√	√	√	–
			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]	√	√	√	√	√	–
			ZKE [Central body electronic]	√	√	√	√	√	–
		Auto Scan							
		Auto Scan Fast							
		Service function	Reset service interval indicator						
		Programming, Coding, Service	E39 1 = 528i	Programming, Coding			DME		
							EWS		
							A/C		
							SRS		
							IKE		
							LCM		
							ZKE		
							PDC		
							AIC		
							RAD		

Series	Chassis	Module	ECU System	Funtions					
				Sys. Info.	Read code	Clear code	Data Stream	Actuation	Special Functions
							TEL		
							MID		
			E39_528i_1999	Recodong/Reprogramming			SRS		
							LCM		
							ZKE		
				Coding/Program			CODING(Recoding)		
			E39_525i_2002	Reset service interval indicator					
		Driver and Chassis	CAS [Car Access System]	√	√	√	√	√	–
			DDE [Diesel Electronics]	√	√	√	√	√	–
			DME [Digital Motor Electronics]	√	√	√	√	√	–
			EGS [Transmission control]	√	√	√	√	√	–
			EKPS [Fuel-pump control]	√	√	√	√	√	–
			GWS [Gear selector switch]	√	√	√	√	√	–
			SMG [Sequential Manual Gearbox]	√	√	√	√	√	–
			VTC [Valvetronic, bank 1]	√	√	√	√	√	–
			VTC2 [Valvetronic, bank 2]	√	√	√	√	√	–
			VTG [Transfer Case]	√	√	√	√	√	–
			AL [Active steering]	√	√	√	√	√	–
			ARS [Dynamic Drive]	√	√	√	√	√	√
			DSC [Dynamic Stability Control]	√	√	√	√	√	–
			DSC [Dynamic Stability Control PLUS]	√	√	√	√	√	–
			DSC [Dynamic Stability Control Premium]	√	√	√	√	√	–
			EDC [Damper Control]	√	√	√	√	√	–
			EHC [Electronic Ride-Height Control]	√	√	√	√	√	–
			LDM [Longitudinal Dynamics Management]	√	√	√	√	√	–
			RDC [Tyre pressure control]	√	√	√	√	√	–
			ACSM/SRS [Crash Safety Module]	√	√	√	√	√	–
			AHL [Adaptive directional headlights]	√	√	√	√	√	–
			AHM [Trailer module]	√	√	√	√	√	–

				Funtions					
Series	**Chassis**	**Module**	**ECU System**	**Sys. Info.**	**Read code**	**Clear code**	**Data Stream**	**Actuation**	**Special Functions**
			AMP [Amplifier]	√	√	√	√	√	–
			CA [Comfort Access system]	√	√	√	√	√	–
			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]	√	√	√	√	√	–
			CIC [Car Information Computer]	√	√	√	√	√	–
			CIC-GW [Gateway]	√	√	√	√	√	–
			CID [Central Information Display]	√	√	√	√	√	–
			CNAV [Navigation system, China]	√	√	√	√	√	–
			CON [Controller]	√	√	√	√	√	–
			DVD-C [DVD Changer]	√	√	√	√	√	–
			DWA [Antitheft alarm system]	√	√	√	√	√	–
			ZM [Rear compartment, control centre, center consol	√	√	√	√	√	–
			FD [Rear-cabin display]	√	√	√	√	√	–
			FD2 [Rear-cabin display 2]	√	√	√	√	√	–
			FLA [High Beam Assist]	√	√	√	√	√	–
			HKL [Rear-lid lift]	√	√	√	√	√	–
			HUD [Head-Up Display]	√	√	√	√	√	–
			HKA [Integrated automatic heating/air conditioning	√	√	√	√	√	–
			IHKA2 [Integrated automatic heating/air condition]	√	√	√	√	√	–
			INSTR [Instrument cluster]	√	√	√	√	√	–
			JNAV [Navigation system, Japan]	√	√	√	√	√	–
			KBM [Body Basic Module]	√	√	√	√	√	–
			KGM [Body Gateway Module]	√	√	√	√	√	–

| | | | | Automaker: | | BMW |
| | **FCAR F3 Diagnosis list** | | | Software Version: | | V7.9 |

Series	Chassis	Module	ECU System	Funtions					
				Sys. Info.	Read code	Clear code	Data Stream	Actuation	Special Functions
		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]	√	√	√	√	√	–
			PDC [Park Distance Control]	√	√	√	√	√	–
			RLS [Rain/Light Sensor]	√	√	√	√	√	–
	5'_E60/E61 (2003 ~)		RLSS [Rain/Light solar sensor]	√	√	√	√	√	–
			SBSL [Satellite, B-pillar, left]	√	√	√	√	√	–
			SBSR [Satellite, B-pillar, right]	√	√	√	√	√	–
			SDARS [Satellite tuner]	√	√	√	√	√	–
			SFZ [Satellite vehicle center]	√	√	√	√	√	–
			SGM-SIM [Safety and Gateway Module(SIM)]	√	√	√	√	√	–
			SGM-ZGM [Safety and Gateway Module(ZGM)]	√	√	√	√	√	–
			SHD [Sliding/tilting sunroof]	√	√	√	√	√	–
			SHZH [Independent/auxiliary heater]	√	√	√	√	√	–
			SINE [Siren and tilt sensor]	√	√	√	√	√	–
			SMBF [Seat module, passenger]	√	√	√	√	√	–
			SMFA [Seat module, driver]	√	√	√	√	√	–
			SVS [Language processing system]	√	√	√	√	√	–
			SZL [Switch center, steering column]	√	√	√	√	√	–
			SZL2 [Steering column switch center 2]	√	√	√	√	√	–
			SZM [Switching center, center console]	√	√	√	√	√	–
			TCU [Telematic Control unit]	√	√	√	√	√	–

Series	Chassis	Module	ECU System	Funtions					
				Sys. Info.	Read code	Clear code	Data Stream	Actuation	Special Functions
5 SERIES			TMBFH [Door Module Passenger Side Rear]	√	√	√	√	√	–
			TMFAH [Door Module Driver's Side Rear]	√	√	√	√	√	–
			TMBF [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]	√	√	√	√	√	–
		Auto Scan							
		Auto Scan Fast							
		Service function	Maintenance	CBS reset			Engine oil		
							Microfilter		
							Front brake		
							Rear brake		
							Vehicle check		
							Spark plugs		
							Break Fluid		
							Vehicle inspection		
							Exhaust emission inspection		
							Diesel particle filter		
			Steering-angle sensor						
			E60_E61	Programming, Coding			DSC		
							SRS		
				Service functions			1 Steering-angle sensor		
							3 Tyre defect indicator		
			E60_525i_2004	Drive			CAS		
							DME		
							EGS		
				Coding/Program			Maintenance		

				Automaker:		BMW
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Series	Chassis	Module	ECU System	Funtions					
				Sys. Info.	Read code	Clear code	Data Stream	Actuation	Special Functions
		Programming,Coding,Service	E60_530i_2004	Coding/Program			Service functions		
				Service functions			Maintenance		
							Driver		
							Chassis		
				Reset service interval indicator					
			E60_Unit_Coding	CAS [Car Access System]					
				KBM [Body Basic Module]					
				KLIMA [Climate Module]					
				INSTR [Instrument cluster]					
				LM [Light Module]					
				RLS [Rain/Light Sensor]					
				SBSL [Satellite, B-pillar, left]					
				SBSR [Satellite, B-pillar, right]					
				SFZ [Satellite vehicle center]					
				ACSM/SRS [Crash Safety Module]					
				TMFA [Door module, driver]					
				TMBF [Switch center steering column					
				SZL [Switch center steering column]					
				TCU [Telematic Control unit]					
			CAS [Car Access System]	√	√	√	√	√	–
			DME/DDE [Digital motor/Diesel electronics]	√	√	√	√	√	–
			EKPS [Electronic Fuel pump]	√	√	√	√	√	–
			EGS/SMG [Transmission management]	√	√	√	√	√	–
			VTG [Transfer case]	√	√	√	√	√	–
			GWS [Gear selector switch]	√	√	√	√	√	–
			AL [Active steering]	√	√	√	√	√	–
			ICM [Integrated chassis management]	√	√	√	√	√	–
			RDC [Tyre pressure control]	√	√	√	√	√	–
			DSC [Dynamic Stability Control]	√	√	√	√	√	–

| | | | | Automaker: | | BMW | | | |
| | | | | Software Version: | | V7.9 | | | |

| Series | Chassis | Module | ECU System | Funtions | | | | | |
				Sys. Info.	Read code	Clear code	Data Stream	Actuation	Special Functions
		Driver and Chassis	EMF [Parking brake]	√	√	√	√	√	–
			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]	√	√	√	√	√	–
			ACSM/SRS [Crash Safety Module]	√	√	√	√	√	–
			SZL [Switch center steering column]	√	√	√	√	√	–
			TRSVC [All round view camera]	√	√	√	√	√	–
			SWW [Lane change warning]	√	√	√	√	√	–
			ZGM [Central Gateway Module]	√	√	√	√	√	–
			RSE [Rear Seat Eentertainment]	√	√	√	√	√	–
			TCU/ULF [Telephone]	√	√	√	√	√	–
			HUD [Head-Up Display]	√	√	√	√	√	–
			VSW [Video switch]	√	√	√	√	√	–
			VM [Video Module]	√	√	√	√	√	–
			EMALI [Left electric motor reel]	√	√	√	√	√	–
			EMARE [Right electric motor reel]	√	√	√	√	√	–
	5'_GT_F07 (2010～)		FZD [Function centre, roof]	√	√	√	√	√	–
			NVE [Night Vision Electronics]	√	√	√	√	√	–
			KAFAS [Camera based driver assist systems]	√	√	√	√	√	–
			FLA [High Beam Assist]	√	√	√	√	√	–
			INSTR [Instrument cluster]	√	√	√	√	√	–
		BODY	CIC/CHAMP [Car headunit platform]	√	√	√	√	√	–
			PDC [Park Distance Control]	√	√	√	√	√	–

		FCAR F3 Diagnosis list		Automaker:		BMW	
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Series	Chassis	Module	ECU System	Funtions					
				Sys. Info.	Read code	Clear code	Data Stream	Actuation	Special Functions
			CON [Controller]	√	√	√	√	√	–
			FCON [Rear Compartment controller]	√	√	√	√	√	–
			SMFAH [Seat module, driver's side rear]	√	√	√	√	√	–
			SMBFH [Seat module, passenger's side rear]	√	√	√	√	√	–
			HKL [Rear-lid lift]	√	√	√	√	√	–
			SMFA [Seat module, driver]	√	√	√	√	√	–
			SMBF [Seat module, passenger]	√	√	√	√	√	–
			AHM [Trailer module]	√	√	√	√	√	–
			FRM [Footwell Module]	√	√	√	√	√	–
			CID [Central Information Display]	√	√	√	√	√	–
			FD [Rear compartment display]	√	√	√	√	√	–
			FD2 [Rear compartment display 2]	√	√	√	√	√	–
			RFK [Reversing camera]	√	√	√	√	√	–
			HKA [Integrated automatic heating/air conditioning]	√	√	√	√	√	–
			FKA [Rear-cabin automatic A/C]	√	√	√	√	√	–
			HKA [Rear-cabin automatic A/C]	√	√	√	√	√	–
			AMP [Amplifier]	√	√	√	√	√	–
			DVDC [DVD changer]	√	√	√	√	√	–
		Auto Scan							
		Auto Scan Fast							
		Coding/Program	Maintenance	CBS reset		Engine oil			
						Front brake			
						Rear brake			
						Vehicle check			
						Break Fluid			
						Microfilter			
						Spark plugs			
						Vehicle inspection			
						Exhaust emission inspection			

				Funtions					
Series	**Chassis**	**Module**	**ECU System**	**Sys. Info.**	**Read code**	**Clear code**	**Data Stream**	**Actuation**	**Special Functions**
		Driver and Chassis	CAS [Car Access System]	√	√	√	√	√	–
			DME/DDE [Digital motor/Diesel electronics]	√	√	√	√	√	–
			EKPS [Electronic Fuel pump]	√	√	√	√	√	–
			EGS/SMG [Transmission management]	√	√	√	√	√	–
			VTG [Transfer case]	√	√	√	√	√	–
			GWS [Gear selector switch]	√	√	√	√	√	–
			AL [Active steering]	√	√	√	√	√	–
			ICM [Integrated chassis management]	√	√	√	√	√	–
			RDC [Tyre pressure control]	√	√	√	√	√	–
			DSC [Dynamic Stability Control]	√	√	√	√	√	–
			EMF [Parking brake]	√	√	√	√	√	–
			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]	√	√	√	√	√	–
			ACSM/SRS [Crash Safety Module]	√	√	√	√	√	–
			SZL [Switch center steering column]	√	√	√	√	√	–
			TRSVC [All round view camera]	√	√	√	√	√	–
			SWW [Lane change warning]	√	√	√	√	√	–
			ZGM [Central Gateway Module]	√	√	√	√	√	–
			RSE [Rear Seat Eentertainment]	√	√	√	√	√	–
			TCU/ULF [Telephone]	√	√	√	√	√	–
			HUD [Head-Up Display]	√	√	√	√	√	–
			VSW [Video switch]	√	√	√	√	√	–

Series	Chassis	Module	ECU System	Funtions					
				Sys. Info.	Read code	Clear code	Data Stream	Actuation	Special Functions
	5'_F10/F11/F18 (2010 ~)	BODY	VM [Video Module]	√	√	√	√	√	–
			EMALI [Left electric motor reel]	√	√	√	√	√	–
			EMARE [Right electric motor reel]	√	√	√	√	√	–
			FZD [Function centre, roof]	√	√	√	√	√	–
			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]	√	√	√	√	√	–
			SMBFH [Seat module, passenger's side rear]	√	√	√	√	√	–
			HKL [Rear-lid lift]	√	√	√	√	√	–
			SMFA [Seat module, driver]	√	√	√	√	√	–
			SMBF [Seat module, passenger]	√	√	√	√	√	–
			AHM [Trailer module]	√	√	√	√	√	–
			FRM [Footwell Module]	√	√	√	√	√	–
			CID [Central Information Display]	√	√	√	√	√	–
			FD [Rear compartment display]	√	√	√	√	√	–
			FD2 [Rear compartment display 2]	√	√	√	√	√	–
			RFK [Reversing camera]	√	√	√	√	√	–
			HKA [Integrated automatic heating/air conditioning]	√	√	√	√	√	–
			FKA [Rear-cabin automatic A/C]	√	√	√	√	√	–
			HKA [Rear-cabin automatic A/C]	√	√	√	√	√	–
			AMP [Amplifier]	√	√	√	√	√	–
			DVDC [DVD changer]	√	√	√	√	√	–
		Auto Scan							

| Series | Chassis | Module | ECU System | Funtions | | | | | |
				Sys. Info.	Read code	Clear code	Data Stream	Actuation	Special Functions
		Auto Scan Fast							
		Coding/Program	Maintenance	CBS reset			Engine oil		
							Front brake		
							Rear brake		
							Vehicle check		
							Break Fluid		
							Microfilter		
							Spark plugs		
							Vehicle inspection		
							Exhaust emission inspection		
	6'_E24	Driver and Chassis	DME [Engine]	√	√	√	√	√	–
			EGS [Transmission]	√	√	√	√	√	–
			EWS [Electronic immobilize system]	√	√	√	√	√	–
			GR [Cruise control]	√	√	√	√	√	–
			EML [Electronic throttle]	√	√	√	√	√	–
			ABS [Antilock brake]	√	√	√	√	√	√
			EHC/EDC [Signal-axle air suspension]	√	√	√	√	√	–
		Body	AHK [Active Rear-Axle Kinematics]	√	√	√	√	√	–
			CVM [Convertible-top module]	√	√	√	√	√	–
			DWA [Burglar-alarm system]	√	√	√	√	√	–
			EKM [Electronic Body Module]	√	√	√	√	√	–
			GSA [Closed-Loop-Controlled Differential-Lock AWD]	√	√	√	√	√	–
			IHKA/IHKR [AC/heater]	√	√	√	√	√	–
			IKE/IKI/KOMBI [Instrument cluster]	√	√	√	√	√	–
			LSZ/LCM [Light switching center]	√	√	√	√	√	–
			MID [Multi Information Display]	√	√	√	√	√	–
			PDC [Park Distance Control]	√	√	√	√	√	–
			RAD [Radio]	√	√	√	√	√	–
			SHD [Sliding/tilting sunroof]	√	√	√	√	√	–

| | | | | Automaker: | | BMW |
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Series	Chassis	Module	ECU System	Funtions					
				Sys. Info.	Read code	Clear code	Data Stream	Actuation	Special Functions
			SPM/SM	√	√	√	√	√	–
			SRS [Air bag]	√	√	√	√	√	–
			URS [Rollover sensor]	√	√	√	√	√	–
			VNC [Variable Camshaft Control]	√	√	√	√	√	–
			ZKE [Central body electronic]	√	√	√	√	√	–
		Auto Scan							
		Auto Scan Fast							
		Driver and Chassis	CAS [Car Access System]	√	√	√	√	√	–
			DDE [Diesel Electronics]	√	√	√	√	√	–
			DME [Digital Motor Electronics]	√	√	√	√	√	–
			EGS [Transmission control]	√	√	√	√	√	–
			EKPS [Fuel-pump control]	√	√	√	√	√	–
			GWS [Gear selector switch]	√	√	√	√	√	–
			SMG [Sequential Manual Gearbox]	√	√	√	√	√	–
			VTC [Valvetronic]	√	√	√	√	√	–
			VTC2 [Valvetronic 2]	√	√	√	√	√	–
			AL [Active steering]	√	√	√	√	√	–
			ARS2 [Dynamic Drive 2]	√	√	√	√	√	–
			DSC [Dynamic Stability Control]	√	√	√	√	√	√
			DSC [Dynamic Stability Control PLUS]	√	√	√	√	√	√
			DSC [Dynamic Stability Control Premium]	√	√	√	√	√	√
			EDC [Damper Control]	√	√	√	√	√	–
			LDM [Longitudinal Dynamics Management]	√	√	√	√	√	–
			RDC [Tyre pressure control]	√	√	√	√	√	–
			ACSM/SRS [Crash Safety Module]	√	√	√	√	√	–
			AHL [Adaptive directional headlights]	√	√	√	√	√	–
			AMP [Amplifier]	√	√	√	√	√	–
			CA [Comfort Access system]	√	√	√	√	√	–
			CCC-A [Applications]	√	√	√	√	√	–

				Funtions					
Series	Chassis	Module	ECU System	Sys. Info.	Read code	Clear code	Data Stream	Actuation	Special Functions
			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]	√	√	√	√	√	–
			DVD-C [DVD Changer]	√	√	√	√	√	–
			DWA [Antitheft alarm system]	√	√	√	√	√	–
			FBZM [Rear compartment, control centre, center console]	√	√	√	√	√	–
			FLA [High Beam Assist]	√	√	√	√	√	–
			HUD [Head-Up Display]	√	√	√	√	√	–
			IHKA [Integrated automatic heating/air conditioning]	√	√	√	√	√	–
			IHKA2 [Integrated automatic heating/air condition]	√	√	√	√	√	–
			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]	√	√	√	√	√	–
	6'_E63/E64	Body	LM2 [Light Module 2 with adaptive headlight]	√	√	√	√	√	–
			M-ASK-BO [User interface]	√	√	√	√	√	–
			M-ASK-GW [Gateway]	√	√	√	√	√	–
			MPM [Micro-power module]	√	√	√	√	√	–

FCAR F3 Diagnosis list

Series	Chassis	Module	ECU System	Funtions					
				Sys. Info.	Read code	Clear code	Data Stream	Actuation	Special Functions
6 SERIES			NVE [Night Vision Electronics]	√	√	√	√	√	–
			PDC [Park Distance Control]	√	√	√	√	√	–
			RLS [Rain/Light Sensor]	√	√	√	√	√	–
			RLSS [Rain/light solar sensor]	√	√	√	√	√	–
			SBSL [Satellite, B-pillar, left]	√	√	√	√	√	–
			SBSR [Satellite, B-pillar, right]	√	√	√	√	√	–
			SDARS [Satellite tuner]	√	√	√	√	√	–
			SFZ [Satellite vehicle center]	√	√	√	√	√	–
			SGM-SIM [Safety and Gateway Module(SIM)]	√	√	√	√	√	–
			SGM-ZGM [Safety and Gateway Module(ZGM)]	√	√	√	√	√	–
			SHD [Sliding/tilting sunroof]	√	√	√	√	√	–
			SHZH [Independent/auxiliary heater]	√	√	√	√	√	–
			SINE [Siren and tilt sensor]	√	√	√	√	√	–
			SMBF [Seat module, passenger]	√	√	√	√	√	–
			SMFA [Seat module, driver]	√	√	√	√	√	–
			SVS [Language processing system]	√	√	√	√	√	–
			SZL [Switch center steering column]	√	√	√	√	√	–
			SZL2 [Steering column switch centre 2]	√	√	√	√	√	–
			SZM [Switching center, centre console]	√	√	√	√	√	–
			TCU [Telematic Control unit]	√	√	√	√	√	–
			TMBF [Door module, front passenger]	√	√	√	√	√	–
			TMFA [Door module, driver]	√	√	√	√	√	–
			SMF [Seat memory, driver]	√	√	√	√	√	–
			ULF [Universal charging and hands-free facility]	√	√	√	√	√	–
			ULF-SBX [Interface box]	√	√	√	√	√	–
			ULF-SBX-H [Interface box High]	√	√	√	√	√	–
			VM [Video Module]	√	√	√	√	√	–
		Auto Scan							
		Auto Scan Fast							

	Automaker:		BMW
	Software Version:		V7.9

Series	Chassis	Module	ECU System	Funtions					
				Sys. Info.	Read code	Clear code	Data Stream	Actuation	Special Functions
		Service function	Maintenance	CBS reset			Engine oil		
							Microfilter		
							Front brake		
							Rear brake		
							Vehicle check		
							Spark plugs		
							Break Fluid		
							Vehicle inspection		
							Exhaust emission inspection		
							Diesel particle filter		
				CBS correct			Vehicle inspection		
							Exhaust emission inspection		
				Delete transport mode					
			Steering-angle sensor						
		Programming,Coding ,Service	E63/E64 1 = 630i	Service functions			1 Steering-angle sensor		
			E64_645Ci_2004	Service functions			Maintenance		
							Chassis	Tyre defect indicator	
		Driver and Chassis	CAS [Car Access System]	√	√	√	√	√	-
			DME/DDE [Digital motor/Diesel electronics]	√	√	√	√	√	-
			EKPS [Electronic Fuel pump]	√	√	√	√	√	-
			EGS/SMG [Transmission management]	√	√	√	√	√	-
			VTG [Transfer case]	√	√	√	√	√	-
			GWS [Gear selector switch]	√	√	√	√	√	-
			AL [Active steering]	√	√	√	√	√	-
			ICM [Integrated chassis management]	√	√	√	√	√	-
			RDC [Tyre pressure control]	√	√	√	√	√	-
			DSC [Dynamic Stability Control]	√	√	√	√	√	-
			EMF [Parking brake]	√	√	√	√	√	-
			HSR [Rear-axle slip-angle control]	√	√	√	√	√	-

Series	Chassis	Module	ECU System	Funtions					
				Sys. Info.	Read code	Clear code	Data Stream	Actuation	Special Functions
			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]	√	√	√	√	√	–
			ACSM/SRS [Crash Safety Module]	√	√	√	√	√	–
			SZL [Switch center steering column]	√	√	√	√	√	–
			TRSVC [All round view camera]	√	√	√	√	√	–
			SWW [Lane change warning]	√	√	√	√	√	–
			ZGM [Central Gateway Module]	√	√	√	√	√	–
			RSE [Rear Seat Eentertainment]	√	√	√	√	√	–
			TCU/ULF [Telephone]	√	√	√	√	√	–
			HUD [Head-Up Display]	√	√	√	√	√	–
			VSW [Video switch]	√	√	√	√	√	–
			VM [Video Module]	√	√	√	√	√	–
			EMALI [Left electric motor reel]	√	√	√	√	√	–
			EMARE [Right electric motor reel]	√	√	√	√	√	–
			FZD [Function centre, roof]	√	√	√	√	√	–
	6'_F12/F13		NVE [Night Vision Electronics]	√	√	√	√	√	–
			KAFAS [Camera based driver assist systems]	√	√	√	√	√	–
			FLA [High Beam Assist]	√	√	√	√	√	–
			INSTR [Instrument cluster]	√	√	√	√	√	–
		Body	CIC/CHAMP [Car headunit platform]	√	√	√	√	√	–
			PDC [Park Distance Control]	√	√	√	√	√	–
			CON [Controller]	√	√	√	√	√	–
			FCON [Rear Compartment controller]	√	√	√	√	√	–

				Funtions					
Series	**Chassis**	**Module**	**ECU System**	**Sys. Info.**	**Read code**	**Clear code**	**Data Stream**	**Actuation**	**Special Functions**
			SMFAH [Seat module, driver's side rear]	√	√	√	√	√	–
			SMBFH [Seat module, passenger's side rear]	√	√	√	√	√	–
			HKL [Rear-lid lift]	√	√	√	√	√	–
			SMFA [Seat module, driver]	√	√	√	√	√	–
			SMBF [Seat module, passenger]	√	√	√	√	√	–
			AHM [Trailer module]	√	√	√	√	√	–
			FRM [Footwell Module]	√	√	√	√	√	–
			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]	√	√	√	√	√	–
			DVDC [DVD changer]	√	√	√	√	√	–
		Auto Scan							
		Auto Scan Fast							
		Coding/Program	Maintenance	CBS reset	Engine oil				
					Front brake				
					Rear brake				
					Vehicle check				
					Break Fluid				
					Microfilter				
					Spark plugs				
					Vehicle inspection				
					Exhaust emission inspection				
			DME [Engine]	√	√	√	√	√	–
			EGS [Transmission]	√	√	√	√	√	–

				Funtions					
Series	Chassis	Module	ECU System	Sys. Info.	Read code	Clear code	Data Stream	Actuation	Special Functions
	7'_E23 (~ 1988)	Driver and Chassis	EWS [Electronic immobilize system]	√	√	√	√	√	–
			GR [Cruise control]	√	√	√	√	√	–
			EML [Electronic throttle]	√	√	√	√	√	–
			ABS [Antilock brake]	√	√	√	√	√	√
			EHC/EDC [Signal-axle air suspension]	√	√	√	√	√	–
		Body	AHK [Active Rear-Axle Kinematics]	√	√	√	√	√	–
			CVM [Convertible-top module]	√	√	√	√	√	–
			DWA [Burglar-alarm system]	√	√	√	√	√	–
			EKM [Electronic Body Module]	√	√	√	√	√	–
			GSA [Closed-Loop-Controlled Differential-Lock AWD]	√	√	√	√	√	–
			IHKA/IHKR [AC/heater]	√	√	√	√	√	–
			IKE/IKI/KOMBI [Instrument cluster]	√	√	√	√	√	–
			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]	√	√	√	√	√	–
			VNC [Variable Camshaft Control]	√	√	√	√	√	–
			ZKE [Central body electronic]	√	√	√	√	√	–
		Auto Scan							
		Auto Scan Fast							
		Driver and Chassis	DME [Engine]	√	√	√	√	√	–
			EGS [Transmission]	√	√	√	√	√	–
			EWS [Electronic immobilize system]	√	√	√	√	√	–
			GR [Cruise control]	√	√	√	√	√	–
			EML [Electronic throttle]	√	√	√	√	√	–

				Funtions					
Series	Chassis	Module	ECU System	Sys. Info.	Read code	Clear code	Data Stream	Actuation	Special Functions
	7'_E32 (1988~1994)		ABS [Antilock brake]	√	√	√	√	√	√
			EHC/EDC [Signal-axle air suspension]	√	√	√	√	√	–
		Body	AHK [Active Rear-Axle Kinematics]	√	√	√	√	√	–
			CVM [Convertible-top module]	√	√	√	√	√	–
			DWA [Burglar-alarm system]	√	√	√	√	√	–
			EKM [Electronic Body Module]	√	√	√	√	√	–
			GSA [Closed-Loop-Controlled Differential-Lock AWD]	√	√	√	√	√	–
			IHKA/IHKR [AC/heater]	√	√	√	√	√	–
			IKE/IKI/KOMBI [Instrument cluster]	√	√	√	√	√	–
			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]	√	√	√	√	√	–
			VNC [Variable Camshaft Control]	√	√	√	√	√	–
			ZKE [Central body electronic]	√	√	√	√	√	–
		Auto Scan							
		Auto Scan Fast							
		Driver and Chassis	DME [Engine]	√	√	√	√	√	–
			DME2 [Digital Motor Electronics 2]	√	√	√	√	√	–
			EGS [Transmission]	√	√	√	√	√	–
			EWS [Electronic immobilize system]	√	√	√	√	√	–
			GR [Cruise control]	√	√	√	√	√	–
			EML [Electronic throttle]	√	√	√	√	√	–
			ABS [Antilock brake]	√	√	√	√	√	√
			EHC/EDC [Signal-axle air suspension]	√	√	√	√	√	–

Series	Chassis	Module	ECU System	Funtions					
				Sys. Info.	Read code	Clear code	Data Stream	Actuation	Special Functions
	7'_E38 (1995 ~ 2001)		LEW [Steering-angle sensor]	√	√	√	√	√	–
		Body	AIC [Automatic Interval Control]	√	√	√	√	√	–
			BIT [Basic Interface Telephone]	√	√	√	√	√	–
			BM [On-board monitor]	√	√	√	√	√	–
			IHKA/IHKR [AC/heater]	√	√	√	√	√	–
			IKE/IKI/KOMBI [Instrument cluster]	√	√	√	√	√	–
			LSZ/LCM [Light switching center]	√	√	√	√	√	–
			MFL [Multi-function steering wheel]	√	√	√	√	√	–
			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]	√	√	√	√	√	–
			ZKE [Central body electronic]	√	√	√	√	√	–
			DSP [Digital Sound Processor]	√	√	√	√	√	–
			FGB [Rear Compartment blower]	√	√	√	√	√	–
			HKL [Rear-lid lift]	√	√	√	√	√	–
			LRA [Headlight beam height control]	√	√	√	√	√	–
		Auto Scan							
		Auto Scan Fast							
		Reset service interval indicator	[Oil service]						
			[Inspection]						
			[Time interval]						
			[Correct follow-on service]						

				Funtions					
Series	Chassis	Module	ECU System	Sys. Info.	Read code	Clear code	Data Stream	Actuation	Special Functions
		Programming,Coding ,Service	[Display service interval status]						
			E38_Unit_Coding	SRS [Air bag]					
				IKE/IKI/KOMBI [Instrument cluster]					
				LSZ/LCM [Light switching center]					
				ZKE [Central body electronic]					
				PDC [Park Distance Control]					
		Driver and Chassis	CAS [Car Access System]	√	√	√	√	√	–
			DDE [Diesel Electronics]	√	√	√	√	√	–
			DME [Digital Motor Electronics]	√	√	√	√	√	–
			DME2 [Digital Motor Electronics 2]	√	√	√	√	√	–
			EGS [Transmission control]	√	√	√	√	√	–
			EKPS [Fuel-pump control]	√	√	√	√	√	–
			VTC [Valvetronic]	√	√	√	√	√	–
			VTC2 [Valvetronic 2]	√	√	√	√	√	–
			ARS [Dynamic Drive]	√	√	√	√	√	–
			ARS2 [Dynamic Drive 2]	√	√	√	√	√	–
			CIM [Chassis Integration Module]	√	√	√	√	√	–
			CIM2 [Chassis Integration Module 2]	√	√	√	√	√	–
			DSC [Dynamic Stability Control]	√	√	√	√	√	√
			EDC [Damper Control]	√	√	√	√	√	–
			EHC [Electronic Ride-Height Control]	√	√	√	√	√	–
			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]	√	√	√	√	√	–

Series	Chassis	Module	ECU System	Funtions					
				Sys. Info.	Read code	Clear code	Data Stream	Actuation	Special Functions
7 SERIES		Body	CA [Comfort Access system]	√	√	√	√	√	–
			CD [Control Display]	√	√	√	√	√	–
			CD-GW [Control Display (Gateway)]/M-ASK-GW [Gateway]	√	√	√	√	√	–
			CDC [CD Changer]	√	√	√	√	√	–
			CNAV [Navigation system, China]	√	√	√	√	√	–
			CON [Controller]	√	√	√	√	√	–
			DVD-C [DVD Changer]	√	√	√	√	√	–
			DWA [Antitheft alarm system]	√	√	√	√	√	–
			FBZM [Rear compartment, control centre, center console]	√	√	√	√	√	–
			FCON [Rear Compartment controller]	√	√	√	√	√	–
			FD [Rear-cabin display]	√	√	√	√	√	–
			FKA [Rear heater/air conditioning]	√	√	√	√	√	–
			FLA [High Beam Assist]	√	√	√	√	√	–
			HKL [Rear-lid lift]	√	√	√	√	√	–
			IHKA [Integrated automatic heating/air conditioning]	√	√	√	√	√	–
			INSTR [Instrument cluster]	√	√	√	√	√	–
			JNAV [Navigation system, Japan]	√	√	√	√	√	–
			KHI [Headset interface]	√	√	√	√	√	–
			KNAV [Navigation system, Korea]	√	√	√	√	√	–
			LM [Light Module]	√	√	√	√	√	–
			LM2 AHL2 [Light module 2 with adaptive headlight 2]	√	√	√	√	√	–
			LM2 [Light Module 2]	√	√	√	√	√	–
			LM2 [Light Module 2 with adaptive headlight]	√	√	√	√	√	–
			NAV [Navigation system]	√	√	√	√	√	–
			NVE [Night Vision Electronics]	√	√	√	√	√	–
			PDC [Park Distance Control]	√	√	√	√	√	–
			PM/MPM [(Micro) Power module]	√	√	√	√	√	–
			RLS [Rain/Light Sensor]	√	√	√	√	√	–
			SASL [Satellite, A-pillar, left]	√	√	√	√	√	–

				Funtions					
Series	Chassis	Module	ECU System	Sys. Info.	Read code	Clear code	Data Stream	Actuation	Special Functions
	7'_E65/E66 (2000 ~)		SASR [Satellite, A-pillar, right]	√	√	√	√	√	–
			SBSL [Satellite, B-pillar, left]	√	√	√	√	√	–
			SBSR [Satellite, B-pillar, right]	√	√	√	√	√	–
			SDARS [Satellite tuner]	√	√	√	√	√	–
			SFZ [Satellite vehicle center]	√	√	√	√	√	–
			SG-FD [Control module, rear-compartment]	√	√	√	√	√	–
			SG-FD-GW [Control module, rear-compartment]	√	√	√	√	√	–
			SGM-SIM [Safety and Gateway Module(SIM)]	√	√	√	√	√	–
			SHD [Sliding/tilting sunroof]	√	√	√	√	√	–
			SHZH [Independent/auxiliary heater]	√	√	√	√	√	–
			SIM [Safety and Gateway Module]	√	√	√	√	√	–
			SINE [Siren and tilt sensor]	√	√	√	√	√	–
			SMBF [Seat module, passenger]	√	√	√	√	√	–
			SMBFH [Seat module, passenger's side rear]	√	√	√	√	√	–
			SMFA [Seat module, driver]	√	√	√	√	√	–
			SMFAH [Seat module, driver'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]	√	√	√	√	√	–
			SVS [Language processing system]	√	√	√	√	√	–
			SZL [Switch center steering column]	√	√	√	√	√	–
			SRS [Air bag]	√	√	√	√	√	–
			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]	√	√	√	√	√	–
			TCU [Telematic Control unit]	√	√	√	√	√	–

Series	Chassis	Module	ECU System	Funtions					
				Sys. Info.	Read code	Clear code	Data Stream	Actuation	Special Functions
			VM [Video Module]	√	√	√	√	√	–
			WIM [Wiper module]	√	√	√	√	√	–
			ZGM [Central Gateway Module]	√	√	√	√	√	–
		Auto Scan							
		Auto Scan Fast							
		Service functions	Maintenance	CBS reset	Engine oil				
					Microfilter				
					Front brake				
					Rear brake				
					Vehicle check				
					Spark plugs				
					Break Fluid				
					Coolant				
					Vehicle inspection				
					Exhaust emission inspection				
					Diesel particle filter				
			Steering-angle sensor						
		Programming,Coding,Service	E65/E66 1 = 745Li	Service functions	1 Steering-angle sensor				
			E65/E66_Unit_Coding	CAS [Car Access System]					
				INSTR [Instrument cluster]					
				LM [Light Module]					
				ACSM/SRS [Crash Safety Module]					
				SBSL [Satellite, B-pillar, left]					
				SBSR [Satellite, B-pillar, right]					
				SSBF [Satellite, seat, passenger]					
				SSFA [Satellite, seat, driver]					
				SSH [Satellite, seat, rear]					
				SZL [Switch center steering column]					
			CAS [Car Access System]	√	√	√	√	√	–

| FCAR 爱夫卡 | **FCAR F3 Diagnosis list** | | | Automaker: | | BMW |
| | | | | Software Version: | | V7.9 |

Series	Chassis	Module	ECU System	Funtions					
				Sys. Info.	Read code	Clear code	Data Stream	Actuation	Special Functions
		Driver and Chassis	DME/DDE [Digital motor/Diesel electronics]	√	√	√	√	√	–
			EKPS [Electronic Fuel pump]	√	√	√	√	√	–
			EGS/SMG [Transmission management]	√	√	√	√	√	–
			VTG [Transfer case]	√	√	√	√	√	–
			GWS [Gear selector switch]	√	√	√	√	√	–
			AL [Active steering]	√	√	√	√	√	–
			ICM [Integrated chassis management]	√	√	√	√	√	–
			RDC [Tyre pressure control]	√	√	√	√	√	–
			DSC [Dynamic Stability Control]	√	√	√	√	√	–
			EMF [Parking brake]	√	√	√	√	√	–
			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]	√	√	√	√	√	–
			ACSM/SRS [Crash Safety Module]	√	√	√	√	√	–
			SZL [Switch center steering column]	√	√	√	√	√	–
			TRSVC [All round view camera]	√	√	√	√	√	–
			SWW [Lane change warning]	√	√	√	√	√	–
			ZGM [Central Gateway Module]	√	√	√	√	√	–
			RSE [Rear Seat Eentertainment]	√	√	√	√	√	–
			TCU/ULF [Telephone]	√	√	√	√	√	–
			HUD [Head-Up Display]	√	√	√	√	√	–
			VSW [Video switch]	√	√	√	√	√	–
			VM [Video Module]	√	√	√	√	√	–

| | | | | Automaker: | | BMW |
| | | | | Software Version: | | V7.9 |

Series	Chassis	Module	ECU System	Funtions					
				Sys. Info.	Read code	Clear code	Data Stream	Actuation	Special Functions
	7"_F01/F02/F03/F04 (2009 ~)	BODY	EMALI [Left electric motor reel]	√	√	√	√	√	–
			EMARE [Right electric motor reel]	√	√	√	√	√	–
			FZD [Function centre, roof]	√	√	√	√	√	–
			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]	√	√	√	√	√	–
			SMBFH [Seat module, passenger's side rear]	√	√	√	√	√	–
			HKL [Rear-lid lift]	√	√	√	√	√	–
			SMFA [Seat module, driver]	√	√	√	√	√	–
			SMBF [Seat module, passenger]	√	√	√	√	√	–
			AHM [Trailer module]	√	√	√	√	√	–
			FRM [Footwell Module]	√	√	√	√	√	–
			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]	√	√	√	√	√	–
			DVDC [DVD changer]	√	√	√	√	√	–
		Auto Scan							
		Auto Scan Fast							

				Funtions					
Series	**Chassis**	**Module**	**ECU System**	**Sys. Info.**	**Read code**	**Clear code**	**Data Stream**	**Actuation**	**Special Functions**
		Coding/Program	Maintenance	CBS reset			Engine oil		
							Front brake		
							Rear brake		
							Vehicle check		
							Break Fluid		
							Microfilter		
							Spark plugs		
							Vehicle inspection		
							Exhaust emission inspection		
8 SERIES	8'_E31 (~ 1999)	Driver and Chassis	DME [Engine]	√	√	√	√	√	–
			EGS [Transmission]	√	√	√	√	√	–
			EWS [Electronic immobilize system]	√	√	√	√	√	–
			GR [Cruise control]	√	√	√	√	√	–
			EML [Electronic throttle]	√	√	√	√	√	–
			ABS [Antilock brake]	√	√	√	√	√	√
			EHC/EDC [Signal-axle air suspension]	√	√	√	√	√	–
		Body	AHK [Active Rear-Axle Kinematics]	√	√	√	√	√	–
			CVM [Convertible-top module]	√	√	√	√	√	–
			DWA [Burglar-alarm system]	√	√	√	√	√	–
			EKM [Electronic Body Module]	√	√	√	√	√	–
			GSA [Closed-Loop-Controlled Differential-Lock AWD]	√	√	√	√	√	–
			IHKA/IHKR [AC/heater]	√	√	√	√	√	–
			IKE/IKI/KOMBI [Instrument cluster]	√	√	√	√	√	–
			LSZ/LCM [Light switching center]	√	√	√	√	√	–
			MID [Multi Information Display]	√	√	√	√	√	–
			PDC [Park Distance Control]	√	√	√	√	√	–
			RAD [Radio]	√	√	√	√	√	–
			SHD [Sliding/tilting sunroof]	√	√	√	√	√	–
			SPM/SM	√	√	√	√	√	–

				Funtions					
Series	Chassis	Module	ECU System	Sys. Info.	Read code	Clear code	Data Stream	Actuation	Special Functions
			SRS [Air bag]	√	√	√	√	√	–
			URS [Rollover sensor]	√	√	√	√	√	–
			VNC [Variable Camshaft Control]	√	√	√	√	√	–
			ZKE [Central body electronic]	√	√	√	√	√	–
		Auto Scan							
		Auto Scan Fast							
			CAS [Car Access System]	√	√	√	√	√	–
			DME [Digital Motor Electronics]	√	√	√	√	√	–
			DDE [Diesel Electronics]	√	√	√	√	√	–
			EGS [Transmission control]	√	√	√	√	√	–
			GWS [Gear selector switch]	√	√	√	√	√	–
			EKPS [Fuel-pump control]	√	√	√	√	√	–
			VTG [Transfer case]	√	√	√	√	√	–
			QMVH [Lateral-moment distribution, rear axle]	√	√	√	√	√	–
			VTC [Valvetronic]	√	√	√	√	√	–
			VTC2 [Valvetronic 2]	√	√	√	√	√	–
		Driver and Chassis	AL [Active steering]	√	√	√	√	√	–
			ARS [Dynamic Drive]	√	√	√	√	√	–
			DSC [Dynamic Stability Control]	√	√	√	√	√	√
			EHC [Electronic Ride-Height Control]	√	√	√	√	√	–
			EMF [Parking brake]	√	√	√	√	√	–
			LDM [Longitudinal Dynamics Management]	√	√	√	√	√	–
			RDC [Tyre pressure control]	√	√	√	√	√	–
			VDM [Vertical Dynamics Management]	√	√	√	√	√	–
			ACSM/SRS [Crash Safety Module]	√	√	√	√	√	–
			AHM [Trailer module]	√	√	√	√	√	–
			AMPH [Hi-Fi amplifier]	√	√	√	√	√	–
			AMPT [Top Hi-Fi amplifier]	√	√	√	√	√	–
			CA [Comfort Access system]	√	√	√	√	√	–

Series	Chassis	Module	ECU System	Sys. Info.	Read code	Clear code	Data Stream	Actuation	Special Functions
			Funtions						
	X1_E84 (2011～)	BODY	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]	√	√	√	√	√	–
			DVD-C [DVD Changer]	√	√	√	√	√	–
			DWA [Antitheft alarm system]	√	√	√	√	√	–
			FD [Rear-cabin display]	√	√	√	√	√	–
			FKA [Rear heater/air conditioning]	√	√	√	√	√	–
			FLA [High Beam Assist]	√	√	√	√	√	–
			FRM2 [Footwell module 2]	√	√	√	√	√	–
			FZD [Function Center, Roof]	√	√	√	√	√	–
			HKL [Rear-lid lift]	√	√	√	√	√	–
			HUD [Head-Up Display]	√	√	√	√	√	–
			IHKA [Integrated automatic heating/air conditioning]	√	√	√	√	√	–
			INSTR [Instrument cluster]	√	√	√	√	√	–
			JBE2 [Junction Box electronics 2]	√	√	√	√	√	–
			JNAV [Navigation system, Japan]	√	√	√	√	√	–
			KHM [Headphones module]	√	√	√	√	√	–
			KNAV [Navigation system, Korea]	√	√	√	√	√	–
			M-ASK-BO [User interface]	√	√	√	√	√	–
			M-ASK-GW [Gateway]	√	√	√	√	√	–
			PDC [Park Distance Control]	√	√	√	√	√	–

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	Software Version:	V7.9

Series	Chassis	Module	ECU System	Funtions					
				Sys. Info.	Read code	Clear code	Data Stream	Actuation	Special Functions
			RFK [Reversing camera]	√	√	√	√	√	–
			RLSS [Rain/light solar sensor]	√	√	√	√	√	–
			SDARS [Satellite tuner]	√	√	√	√	√	–
			SINE [Siren and 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]	√	√	√	√	√	–
			CBX [CBX-ECALL]	√	√	√	√	√	–
		Auto Scan							
		Auto Scan Fast							
		Service function	Maintenance	CBS reset			Engine oil		
							Microfilter		
							Front brake		
							Rear brake		
							Vehicle check		
							Spark plugs		
							Break Fluid		
							Vehicle inspection		
							Exhaust emission inspection		
							Diesel particle filter		
			DME [Engine]	√	√	√	√	√	–
			DDE [Diesel Electronics]	√	√	√	√	√	–
			EGS [Transmission]	√	√	√	√	√	–
			EWS [Electronic immobilize system]	√	√	√	√	√	–
			VTG [Transfer case]	√	√	√	√	√	–

				Funtions					
Series	Chassis	Module	ECU System	Sys. Info.	Read code	Clear code	Data Stream	Actuation	Special Functions
		Driver and Chassis	EKPS [Fuel-pump control]	√	√	√	√	√	–
			DSC [Dynamic Stability Control]	√	√	√	√	√	√
			LEW [Steering-angle sensor]	√	√	√	√	√	–
			RDC [Tyre pressure control]	√	√	√	√	√	–
			ABS [Antilock brake]	√	√	√	√	√	–
			SVT [Servotronic]	√	√	√	√	√	–
	X3_E83	Body	AIC [Automatic Interval Control]	√	√	√	√	√	–
			CID [Central Information Display]	√	√	√	√	√	–
			IHKA/IHKR [AC/heater]	√	√	√	√	√	–
			IKE/IKI/KOMBI [Instrument cluster]	√	√	√	√	√	–
			LSZ/LCM [Light switching center]	√	√	√	√	√	–
			MFL [Multi-function steering wheel]	√	√	√	√	√	–
			NAV [Navigation system]	√	√	√	√	√	–
			PDC [Park Distance Control]	√	√	√	√	√	–
			RAD [Radio]	√	√	√	√	√	–
			SES Language-input System	√	√	√	√	√	–
			SHD [Sliding/tilting sunroof]	√	√	√	√	√	–
			SMF Driver Seat Memory	√	√	√	√	√	–
			SRS [Air bag]	√	√	√	√	√	–
			VID [Video Module]	√	√	√	√	√	–
			ZKE [Central body electronic]	√	√	√	√	√	–
			DSP [Digital Sound Processor]	√	√	√	√	√	–
			CDC [CD Changer]	√	√	√	√	√	–
			RLSS [Solar Rain/light Sensor]	√	√	√	√	√	–
			SZM [Switching center, center console]	√	√	√	√	√	–
			ULF-SBX [Interface box]	√	√	√	√	√	–
		Auto Scan							
		Auto Scan Fast							
		Service function	Reset service interval indicator						

				Funtions					
Series	**Chassis**	**Module**	**ECU System**	**Sys. Info.**	**Read code**	**Clear code**	**Data Stream**	**Actuation**	**Special Functions**
		Programming,Coding ,Service	E83_X3(3.0i)_2004	Programming,Coding			DME		
							A/C		
							IKE		
							SRS		
							RAD		
							LCM		
							ZKE		
				CODING(Recoding)			LEW		
		Driver and Chassis	CAS [Car Access System]	√	√	√	√	√	−
			DME/DDE [Digital motor/Diesel electronics]	√	√	√	√	√	−
			EKPS [Electronic Fuel pump]	√	√	√	√	√	−
			EGS/SMG [Transmission management]	√	√	√	√	√	−
			VTG [Transfer case]	√	√	√	√	√	−
			GWS [Gear selector switch]	√	√	√	√	√	−
			AL [Active steering]	√	√	√	√	√	−
			ICM [Integrated chassis management]	√	√	√	√	√	−
			RDC [Tyre pressure control]	√	√	√	√	√	−
			DSC [Dynamic Stability Control]	√	√	√	√	√	−
			EMF [Parking brake]	√	√	√	√	√	−
			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]	√	√	√	√	√	−
			ACSM/SRS [Crash Safety Module]	√	√	√	√	√	−

Series	Chassis	Module	ECU System	Funtions					
				Sys. Info.	Read code	Clear code	Data Stream	Actuation	Special Functions
	X3_F25	Body	SZL [Switch center steering column]	√	√	√	√	√	–
			TRSVC [All round view camera]	√	√	√	√	√	–
			SWW [Lane change warning]	√	√	√	√	√	–
			ZGM [Central Gateway Module]	√	√	√	√	√	–
			RSE [Rear Seat Eentertainment]	√	√	√	√	√	–
			TCU/ULF [Telephone]	√	√	√	√	√	–
			HUD [Head-Up Display]	√	√	√	√	√	–
			VSW [Video switch]	√	√	√	√	√	–
			VM [Video Module]	√	√	√	√	√	–
			EMALI [Left electric motor reel]	√	√	√	√	√	–
			EMARE [Right electric motor reel]	√	√	√	√	√	–
			FZD [Function centre, roof]	√	√	√	√	√	–
			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]	√	√	√	√	√	–
			SMBFH [Seat module, passenger's side rear]	√	√	√	√	√	–
			HKL [Rear-lid lift]	√	√	√	√	√	–
			SMFA [Seat module, driver]	√	√	√	√	√	–
			SMBF [Seat module, passenger]	√	√	√	√	√	–
			AHM [Trailer module]	√	√	√	√	√	–
			FRM [Footwell Module]	√	√	√	√	√	–
			CID [Central Information Display]	√	√	√	√	√	–
			FD [Rear compartment display]	√	√	√	√	√	–

Series	Chassis	Module	ECU System	Funtions					
				Sys. Info.	Read code	Clear code	Data Stream	Actuation	Special Functions
			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]	√	√	√	√	√	–
			DVDC [DVD changer]	√	√	√	√	√	–
		Auto Scan							
		Auto Scan Fast							
		Coding/Program	Maintenance	CBS reset			Engine oil		
							Front brake		
							Rear brake		
							Vehicle check		
							Break Fluid		
							Microfilter		
							Spark plugs		
							Vehicle inspection		
							Exhaust emission inspection		
		Driver and Chassis	DME [Engine]	√	√	√	√	√	–
			DDE [Diesel Electronics]	√	√	√	√	√	–
			EGS [Transmission]	√	√	√	√	√	–
			EWS [Electronic immobilize system]	√	√	√	√	√	–
			VTG [Gearbox control]	√	√	√	√	√	–
			DSC [Dynamic Stability Control]	√	√	√	√	√	√
			EHC/EDC [Signal-axle air suspension]	√	√	√	√	√	–
			LEW [Steering-angle sensor]	√	√	√	√	√	–
			RDC [Tyre pressure control]	√	√	√	√	√	–
			AIC [Automatic Interval Control]	√	√	√	√	√	–
			BIT [Basic Interface Telephone]	√	√	√	√	√	–

Series	Chassis	Module	ECU System	Funtions					
				Sys. Info.	Read code	Clear code	Data Stream	Actuation	Special Functions
X SERIES	X5_E53 (1999 ~)		BM [On-board monitor]	√	√	√	√	√	–
			IHKA/IHKR [AC/heater]	√	√	√	√	√	–
			IKE/IKI/KOMBI [Instrument cluster]	√	√	√	√	√	–
			LSZ/LCM [Light switching center]	√	√	√	√	√	–
			MFL [Multi-function steering wheel]	√	√	√	√	√	–
			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]	√	√	√	√	√	–
			ZKE [Central body electronic]	√	√	√	√	√	–
			DSP [Digital Sound Processor]	√	√	√	√	√	–
			RLSS Solar Rain/light Sensor	√	√	√	√	√	–
		Auto Scan							
		Auto Scan Fast							
		Service function	Reset service interval indicator						
			X5	Programming,Coding			DME		
							EGS		
							EWS		
							LEW		
							A/C		
							SRS		
							IKE		
							LCM		
							ZKE		

FCAR F3 Diagnosis list

Series	Chassis	Module	ECU System	Funtions					
				Sys. Info.	Read code	Clear code	Data Stream	Actuation	Special Functions
		Programming,Coding ,Service	E53_X5(3.0i)_2002				AIC		
							RAD		
							SZM		
				Service functions			1 Adjustment,sensors<		
				Recoding/Reprogramming			SRS		
							IKE		
							LCM		
							ZKE		
				Chassis			DSC[Dynamic Stability]		
				Body			IKE[Instrument cluster]		
				Coding/Program			LEW[Steering-angle sensor]		
			E53_X5(3.0i)_2005	ABS/ASC/DSC			Steering angle sensor matching		
		Driver and Chassis	CAS [Car Access System]	√	√	√	√	√	–
			DDE [Diesel Electronics]	√	√	√	√	√	–
			DME [Digital Motor Electronics]	√	√	√	√	√	–
			EGS [Transmission control]	√	√	√	√	√	–
			GWS [Gear selector switch]	√	√	√	√	√	–
			EKPS [Fuel-pump control]	√	√	√	√	√	–
			QMVH [Lateral-moment distribution, rear axle]	√	√	√	√	√	–
			VTC [Valvetronic]	√	√	√	√	√	–
			VTC2 [Valvetronic 2]	√	√	√	√	√	–
			VTG [Transfer case]	√	√	√	√	√	–
			AL [Active steering]	√	√	√	√	√	–
			ARS [Dynamic Drive]	√	√	√	√	√	–
			DSC [Dynamic Stability Control]	√	√	√	√	√	√
			EHC [Electronic Ride-Height Control]	√	√	√	√	√	–
			EMF [Parking brake]	√	√	√	√	√	–
			RDC [Tyre pressure control]	√	√	√	√	√	–
			VDM [Vertical Dynamics Management]	√	√	√	√	√	–

Series	Chassis	Module	ECU System	Funtions					
				Sys. Info.	Read code	Clear code	Data Stream	Actuation	Special Functions
			LDM [Longitudinal Dynamics Management]	√	√	√	√	√	–
			EDC [Damper Control]	√	√	√	√	√	–
			ACSM/SRS [Crash Safety Module]	√	√	√	√	√	–
			AHM [Trailer module]	√	√	√	√	√	–
			AMPH [Hi-Fi amplifier]	√	√	√	√	√	–
			AMPT [Top Hi-Fi amplifier]	√	√	√	√	√	–
			CA [Comfort Access system]	√	√	√	√	√	–
			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]	√	√	√	√	√	–
			DVD-C [DVD Changer]	√	√	√	√	√	–
			FD [Rear-cabin display]	√	√	√	√	√	–
			FKA [Rear heater/air conditioning]	√	√	√	√	√	–
			FLA [High Beam Assist]	√	√	√	√	√	–
			FRM2 [Footwell module 2]	√	√	√	√	√	–
			FZD [Function Center, Roof]	√	√	√	√	√	–
		Body	HKL [Rear-lid lift]	√	√	√	√	√	–
			HUD [Head-Up Display]	√	√	√	√	√	–
	X5_E70		IHKA [Integrated automatic heating/air conditioning]	√	√	√	√	√	–
			INSTR [Instrument cluster]	√	√	√	√	√	–
			JBE2 [Junction Box electronics 2]	√	√	√	√	√	–

Series	Chassis	Module	ECU System	Funtions					
				Sys. Info.	Read code	Clear code	Data Stream	Actuation	Special Functions
			JNAV [Navigation system, Japan]	√	√	√	√	√	–
			KHM [Headphones module]	√	√	√	√	√	–
			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]	√	√	√	√	√	–
			SDARS [Satellite tuner]	√	√	√	√	√	–
			SINE [Siren and 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]	√	√	√	√	√	–
			DWA [Antitheft alarm system]	√	√	√	√	√	–
			CBX [CBX-ECALL]	√	√	√	√	√	–
		Auto Scan							
		Auto Scan Fast							
		Service function	Maintenance	CBS reset			Engine oil		
							Microfilter		
							Front brake		
							Rear brake		
							Vehicle check		
							Spark plugs		
							Break Fluid		
							Vehicle inspection		

FCAR F3 Diagnosis list

Series	Chassis	Module	ECU System	Functions					
				Sys. Info.	Read code	Clear code	Data Stream	Actuation	Special Functions
		Programming,Coding ,Service						Exhaust emission inspection	
								Diesel particle filter	
			Steering-angle sensor						
			E70_X5(3.0si)_2008	Coding/Program			Maintenance		
							Service functions		
			E70_X5	CAS [Car Access System]					
				FZD [Function Center, Roof]					
				KBM [Body Basic Module]					
				INSTR [Instrument cluster]					
				CCC-BO [User interface]					
				ACSM/SRS [Crash Safety Module]					
				PDC [Park Distance Control]					
				SGM-ZGM [Safety and Gateway Module(ZGM)]					
		Driver and Chassis	CAS [Car Access System]	√	√	√	√	√	–
			DDE [Diesel Electronics]	√	√	√	√	√	–
			DME [Digital Motor Electronics]	√	√	√	√	√	–
			EGS [Transmission control]	√	√	√	√	√	–
			GWS [Gear selector switch]	√	√	√	√	√	–
			EKPS [Fuel-pump control]	√	√	√	√	√	–
			QMVH [Lateral-moment distribution, rear axle]	√	√	√	√	√	–
			VTG [Transfer case]	√	√	√	√	√	–
			AL [Active steering]	√	√	√	√	√	–
			ARS [Dynamic Drive]	√	√	√	√	√	–
			DSC [Dynamic Stability Control]	√	√	√	√	√	√
			EHC [Electronic Ride-Heiht Control]	√	√	√	√	√	–
			EMF [Parking brake]	√	√	√	√	√	–
			ICM [Integrated chassis management]	√	√	√	√	√	–
			RDC [Tyre pressure control]	√	√	√	√	√	–
			VDM [Vertical Dynamics Management]	√	√	√	√	√	–

				Funtions					
Series	Chassis	Module	ECU System	Sys. Info.	Read code	Clear code	Data Stream	Actuatio n	Special Functions
			ASCM/SRS [Crash Safety Module]	√	√	√	√	√	–
			AHM [Trailer module]	√	√	√	√	√	–
			AMPH [Hi-Fi amplifier]	√	√	√	√	√	–
			AMPT [Top Hi-Fi amplifier]	√	√	√	√	√	–
			CA [Comfort Access system]	√	√	√	√	√	–
			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]	√	√	√	√	√	–
			DVD-C [DVD Changer]	√	√	√	√	√	–
			FD [Rear compartment display]	√	√	√	√	√	–
			FKA [Rear heater/air conditioning]	√	√	√	√	√	–
			FLA [High Beam Assist]	√	√	√	√	√	–
			FRM2 [Footwell module 2]	√	√	√	√	√	–
		Body	FZD [Function Center, Roof]	√	√	√	√	√	–
			HKL [Rear-lid lift]	√	√	√	√	√	–
			HUD [Head-Up Display]	√	√	√	√	√	–
			IHKA [Integrated automatic heating/air conditioning]	√	√	√	√	√	–
			INSTR [Instrument cluster]	√	√	√	√	√	–
	X6_E71		JBE2 [Junction Box electronics 2]	√	√	√	√	√	–
			JNAV [Navigation system, Japan]	√	√	√	√	√	–
			KHI [Headset interface]	√	√	√	√	√	–

Series	Chassis	Module	ECU System	Funtions					
				Sys. Info.	Read code	Clear code	Data Stream	Actuation	Special Functions
			KNAV [Navigation system, Korea]	√	√	√	√	√	–
			M-ASK-B0 [User interface]	√	√	√	√	√	–
			M-ASK-GW [Gateway]	√	√	√	√	√	–
			PDC [Park Distance Control]	√	√	√	√	√	–
			RFK [Reversing camera]	√	√	√	√	√	–
			RLSS [Rain/light solar sensor]	√	√	√	√	√	–
			SDARS [Satellite tuner]	√	√	√	√	√	–
			SINE [Siren and 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]	√	√	√	√	√	–
		Auto Scan							
		Auto Scan Fast							
		Service function	Maintenance	CBS reset	Engine oil				
					Microfilter				
					Front brake				
					Rear brake				
					Vehicle check				
					Spark plugs				
					Break Fluid				
					Vehicle inspection				
					Exhaust emission inspection				
					Diesel particle filter				
			Steering-angle sensor						
				Drive	DME[Digital Motor Electronics]				

Series	Chassis	Module	ECU System	Funtions					
				Sys. Info.	Read code	Clear code	Data Stream	Actuation	Special Functions
		Programming,Coding ,Service	E71_X6(35i)_2008	Drive			EGS[Transmission control]		
			Coding/Program				Maintence		
							Service functions		
			E71_X6_2010	Recoding			SRS(airbag)		
			E71_X6	CAS [Car Access System]					
				FZD [Function Center, Roof]					
				KBM [Body Basic Module]					
				INSTR [Instrument cluster]					
				CCC-BO [User interface]					
				ACSM/SRS [Crash Safety Module]					
				PDC [Park Distance Control]					
				SGM-ZGM [Safety and Gateway Module(ZGM)]					
	Z1_E30（ ~ 1993)	Driver and Chassis	DME [Engine]	√	√	√	√	√	–
			EGS [Transmission]	√	√	√	√	√	–
			EWS [Electronic immobilize system]	√	√	√	√	√	–
			GR [Cruise control]	√	√	√	√	√	–
			EML [Electronic throttle]	√	√	√	√	√	–
			ABS [Antilock brake]	√	√	√	√	√	√
			EHC/EDC [Signal-axle air suspension]	√	√	√	√	√	–
		Body	AHK [Active Rear-Axle Kinematics]	√	√	√	√	√	–
			CVM [Convertible-top module]	√	√	√	√	√	–
			DWA [Burglar-alarm system]	√	√	√	√	√	–
			EKM [Electronic Body Module]	√	√	√	√	√	–
			GSA [Closed-Loop-Controlled Differential-Lock AWD]	√	√	√	√	√	–
			IHKA/IHKR [AC/heater]	√	√	√	√	√	–
			IKE/IKI/KOMBI [Instrument cluster]	√	√	√	√	√	–
			LSZ/LCM [Light switching center]	√	√	√	√	√	–
			MID [Multi Information Display]	√	√	√	√	√	–
			PDC [Park Distance Control]	√	√	√	√	√	–

FCAR F3 Diagnosis list

Series	Chassis	Module	ECU System	Funtions					
				Sys. Info.	Read code	Clear code	Data Stream	Actuation	Special Functions
			RAD [Radio]	√	√	√	√	√	–
			SHD [Sliding/tilting sunroof]	√	√	√	√	√	–
			SPM/SM	√	√	√	√	√	–
			SRS [Air bag]	√	√	√	√	√	–
			URS [Rollover sensor]	√	√	√	√	√	–
			VNC [Variable Camshaft Control]	√	√	√	√	√	–
			ZKE [Central body electronic]	√	√	√	√	√	–
		Auto Scan							
		Auto Scan Fast							
	Z3_E36 (1993 ~ 2000)	Driver and Chassis	DME [Engine]	√	√	√	√	√	–
			EGS [Transmission]	√	√	√	√	√	–
			EWS [Electronic immobilize system]	√	√	√	√	√	–
			GR [Cruise control]	√	√	√	√	√	–
			EML [Electronic throttle]	√	√	√	√	√	–
			ABS [Antilock brake]	√	√	√	√	√	√
			EHC/EDC [Signal-axle air suspension]	√	√	√	√	√	–
		Body	AHK [Active Rear-Axle Kinematics]	√	√	√	√	√	–
			CVM [Convertible-top module]	√	√	√	√	√	–
			DWA [Burglar-alarm system]	√	√	√	√	√	–
			EKM [Electronic Body Module]	√	√	√	√	√	–
			GSA [Closed-Loop-Controlled Differential-Lock AWD]	√	√	√	√	√	–
			IHKA/IHKR [AC/heater]	√	√	√	√	√	–
			IKE/IKI/KOMBI [Instrument cluster]	√	√	√	√	√	–
			LSZ/LCM [Light switching center]	√	√	√	√	√	–
			MID [Multi Information Display]	√	√	√	√	√	–
			PDC [Park Distance Control]	√	√	√	√	√	–
			RAD [Radio]	√	√	√	√	√	–
			SHD [Sliding/tilting sunroof]	√	√	√	√	√	–
			SPM/SM	√	√	√	√	√	–

Series	Chassis	Module	ECU System	Funtions					
				Sys. Info.	Read code	Clear code	Data Stream	Actuation	Special Functions
			SRS [Air bag]	√	√	√	√	√	–
			URS [Rollover sensor]	√	√	√	√	√	–
			VNC [Variable Camshaft Control]	√	√	√	√	√	–
			ZKE [Central body electronic]	√	√	√	√	√	–
		Auto Scan							
		Auto Scan Fast							
	Z4_E85/E86	Driver and Chassis	DME [Engine]	√	√	√	√	√	–
			EGS [Transmission]	√	√	√	√	√	–
			EWS [Electronic immobilize system]	√	√	√	√	√	–
			EKPS [Fuel-pump control]	√	√	√	√	√	–
			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 [Instrument cluster]	√	√	√	√	√	–
			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]	√	√	√	√	√	–
		Auto Scan							

				Funtions					
Series	**Chassis**	**Module**	**ECU System**	**Sys. Info.**	**Read code**	**Clear code**	**Data Stream**	**Actuation**	**Special Functions**
Z SERIES		Auto Scan Fast							
		Reset service interval indicator	[Oil service]						
			[Inspection]						
			[Time interval]						
			[Correct follow-on service]						
			[Display service interval status]						
		Driver and Chassis	CAS [Car Access System]	√	√	√	√	√	–
			DME [Digital Motor Electronics]	√	√	√	√	√	–
			DKG [Twin-clutch gearbox]	√	√	√	√	√	–
			EGS [Transmission control]	√	√	√	√	√	–
			EKPS [Fuel-pump control]	√	√	√	√	√	–
			GWS [Gear selector switch]	√	√	√	√	√	–
			DSC [Dynamic Stability Control]	√	√	√	√	√	√
			EDC [Damper Control]	√	√	√	√	√	–
			EMF [Parking brake]	√	√	√	√	√	–
			EPS [Electronic Power Steering]	√	√	√	√	√	–
			RDC [Tyre pressure control]	√	√	√	√	√	–
			AMP [Amplifier]	√	√	√	√	√	–
			CA [Comfort Access system]	√	√	√	√	√	–
			CDC [CD Changer]	√	√	√	√	√	–
			CIC [Car Information Computer]	√	√	√	√	√	–
			CIC-GW [Gateway]	√	√	√	√	√	–
			CID [Central Information Display]	√	√	√	√	√	–
			CON [Controller]	√	√	√	√	√	–
			DVD-C [DVD Changer]	√	√	√	√	√	–
			DWA [Antitheft alarm system]	√	√	√	√	√	–
			FLA [High Beam Assist]	√	√	√	√	√	–
			FRM2 [Footwell Module 2]	√	√	√	√	√	–
			FZD [Function Centre, Roof]	√	√	√	√	√	–

FCAR F3 Diagnosis list

Series	Chassis	Module	ECU System	Funtions					
				Sys. Info.	Read code	Clear code	Data Stream	Actuation	Special Functions
	Z4_E89	Body	IHKA [Integrated automatic heating/air conditioning]	√	√	√	√	√	–
			IHKR [Integrated heating/air-conditioning regulation]	√	√	√	√	√	–
			IHR [Integrated heater control]	√	√	√	√	√	–
			INSTR [Instrument cluster]	√	√	√	√	√	–
			JBE2 [Junction Box electronics 2]	√	√	√	√	√	–
			M-ASK-BO [User interface]	√	√	√	√	√	–
			M-ASK-GW [Gateway]	√	√	√	√	√	–
			MRS [Multiple Restranint system]	√	√	√	√	√	–
			NAV [Navigation system]	√	√	√	√	√	–
			PDC [Park Distance Control]	√	√	√	√	√	–
			RAD [Radio]	√	√	√	√	√	–
			RAD2-BO [User interface]	√	√	√	√	√	–
			RAD2-GW [Gateway]	√	√	√	√	√	–
			RLSS [Rain/light solar sensor]	√	√	√	√	√	–
			SINE [Siren and tilt sensor]	√	√	√	√	√	–
			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]	√	√	√	√	√	–
		Auto Scan							
		Auto Scan Fast							
		Service function	Maintenance	CBS reset			Engine oil		
							Microfilter		
							Front brake		
							Rear brake		
							Vehicle check		
							Spark plugs		

| | | | | Automaker: | | BMW |
| | | | | Software Version: | | V7.9 |

Series	Chassis	Module	ECU System	Funtions					
				Sys. Info.	Read code	Clear code	Data Stream	Actuation	Special Functions
							Break Fluid		
							Vehicle inspection		
							Exhaust emission inspection		
							Diesel particle filter		
	Z8_E52 (1999 -)	Driver and Chassis	DME [Engine]	√	√	√	√	√	–
			EGS [Transmission]	√	√	√	√	√	–
			EWS [Electronic immobilize system]	√	√	√	√	√	–
			ABS [Antilock brake]	√	√	√	√	√	√
			LEW [Steering-angle sensor]	√	√	√	√	√	–
			RDC [Tyre pressure control]	√	√	√	√	√	–
		Body	BIT [Basic Interface Telephone]	√	√	√	√	√	–
			IHKA/IHKR [AC/heater]	√	√	√	√	√	–
			IKE/IKI/KOMBI [Instrument cluster]	√	√	√	√	√	–
			RAD [Radio]	√	√	√	√	√	–
			SRS [Air bag]	√	√	√	√	√	–
			URS [Rollover sensor]	√	√	√	√	√	–
			ZKE [Central body electronic]	√	√	√	√	√	–
		Auto Scan							
		Auto Scan Fast							
		Reset service interval indicator	[Oil service]						
			[Inspection]						
			[Time interval]						
			[Correct follow-on service]						
			[Display service interval status]						
		Driver and Chassis	DDE [Diesel Electronics]	√	√	√	√	√	–
			DME [Engine]	√	√	√	√	√	–
			EGS [Transmission]	√	√	√	√	√	–
			EWS [Electronic immobilize system]	√	√	√	√	√	–
			ABS/ASC/DSC [Dynamic Stability Control]	√	√	√	√	√	√

FCAR F3 Diagnosis list

Series	Chassis	Module	ECU System	Sys. Info.	Read code	Clear code	Data Stream	Actuation	Special Functions
								Funtions	
	MINI_R50/R52/R53		LEW [Steering-angle sensor]	√	√	√	√	√	–
			RDC [Tyre pressure control]	√	√	√	√	√	–
			EHPS [Electrically assisted steering]	√	√	√	√	√	–
		Body	AIC [Automatic Interval Control]	√	√	√	√	√	–
			BM [On-board monitor]	√	√	√	√	√	–
			CVM [Convertible-top module]	√	√	√	√	√	–
			IHKA/IHKR [AC/heater]	√	√	√	√	√	–
			IKE/IKI/KOMBI [Instrument cluster]	√	√	√	√	√	–
			MFL [Multi-function steering wheel]	√	√	√	√	√	–
			NAV [Navigation system]	√	√	√	√	√	–
			PDC [Park Distance Control]	√	√	√	√	√	–
			RAD [Radio]	√	√	√	√	√	–
			SHD [Sliding/tilting sunroof]	√	√	√	√	√	–
			SRS [Air bag]	√	√	√	√	√	–
			ZKE [Central body electronic]	√	√	√	√	√	–
		Auto Scan							
		Auto Scan Fast							
		Service function	Reset service interval indicator						

Programming,Coding,Service	R50_COOPER_2002	Service functions	ABS/ASC/DSC		
		Reset service interval indicator			
		Coding/Program	CODING(Recoding)	DSC	
			CAR KEY MEMORY	IKE	
				ZKE	

		Driver and Chassis	CAS [Car Access System]	√	√	√	√	√	–
			DME [Digital Motor Electronics]	√	√	√	√	√	–
			EGS [Transmission control]	√	√	√	√	√	–
			ABS/ASC/DSC [Dynamic Stability Control]	√	√	√	√	√	√
			EPS [Electronic Power Steering]	√	√	√	√	√	–
			RDC [Tyre pressure control]	√	√	√	√	√	–

FCAR F3 Diagnosis list

Series	Chassis	Module	ECU System	Funtions					
				Sys. Info.	Read code	Clear code	Data Stream	Actuation	Special Functions
MINI SERIES	MINI_R55/R56	Body	AHM [Trailer module]	√	√	√	√	√	–
			AMP [Hi-Fi amplifier]	√	√	√	√	√	–
			CA [Comfort Access system]	√	√	√	√	√	–
			CCC-A [Applications]	√	√	√	√	√	–
			CCC-ANT [Aerial tuner]	√	√	√	√	√	–
			CCC-ASK [Audio system controller]	√	√	√	√	√	–
			CCC-BO [User interface]	√	√	√	√	√	–
			CCC-GW [Gateway]	√	√	√	√	√	–
			CDC [CD Changer]	√	√	√	√	√	–
			CID [Central Information Display]	√	√	√	√	√	–
			CVM [Convertible-top module]	√	√	√	√	√	–
			FBZM [Rear compartment, control centre, center console]	√	√	√	√	√	–
			FRM [Footwell Module]	√	√	√	√	√	–
			IHKA [Integrated automatic heating/air conditioning]	√	√	√	√	√	–
			IHS [Integrated heating control]	√	√	√	√	√	–
			IHKS [Integrated heating/air-conditioning control]	√	√	√	√	√	–
			INSTR [Instrument cluster]	√	√	√	√	√	–
			JBE [Junction-box electronics]	√	√	√	√	√	–
			JNAV [Navigation system, Japan]	√	√	√	√	√	–
			MJOR Controller	√	√	√	√	√	–
			MRS [Multiple Restranint system]	√	√	√	√	√	–
			PDC [Park Distance Control]	√	√	√	√	√	–
			RAD [Radio]	√	√	√	√	√	–
			RAD2-BO [User interface]	√	√	√	√	√	–
			RAD2-GW [Gateway]	√	√	√	√	√	–
			SDARS [Satellite tuner]	√	√	√	√	√	–
			SHD [Sliding/tilting sunroof]	√	√	√	√	√	–
			SZL [Switch center, steering column]	√	√	√	√	√	–
			ULF-SBX [Interface box]	√	√	√	√	√	–

				Automaker:		BMW
				Software Version:		V7.9

Series	Chassis	Module	ECU System	Funtions					
				Sys. Info.	Read code	Clear code	Data Stream	Actuation	Special Functions
			ULF-SBX-H [Interface box High]	√	√	√	√	√	–
			VM [Video Module]	√	√	√	√	√	–
		Auto Scan							
		Auto Scan Fast							
		Service function	Maintenance	CBS reset	Engine oil				
					Microfilter				
					Front brake				
					Rear brake				
					Vehicle check				
					Spark plugs				
					Break Fluid				
					Vehicle inspection				
					Exhaust emission inspection				
					Diesel particle filter				
		Programming,Coding,Service	R56_Unit_Coding	ZGM/SGM/JBBF [Safety and Gateway Module]					
				SIM/SGM/ACSM [Safety And Information]					
				SZL [Switch center steering column]					
				CAS [Car Access System]					
				INSTR [Instrument cluster]					
				KBM/FRM [Base Body Module]					
				KLIMA [Climate Module]					

Note: √ means the system have this functon, – means no