

MINI V12.00 Diagnostics List (Note:For reference only)											
Menu				Functions							
Series	Chassis	Module	ECU System	Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others

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

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			EGS Transmission control	√	√	√	√	√	√		
			EWS (Elec. immobilize system)	√	√	√	√	√			
		Chassis	ABS Antilock brake	√	√	√	√	√	√	1.TEST PROCEDURES 2.BLEEDING THE ABS/ASC HYDRAULIC SYSTEM 3.RESET ABS MOTOR RELAY CLOCK COUNTER	
			LEW (Steering-angle sensor)	√	√	√	√	√			
			RDC (Tyre pressure control)	√	√	√	√	√			
			EHPS (Electrically assisted steering)	√	√	√	√	√			
		Body	AIC (Automatic Interval Control)	√	√	√	√	√			
			BM (On-board monitor)	√	√	√	√	√			
			IHKA/IHKB (AC/heater)	√	√	√	√	√		1.Flap motors 2.Coolant compressor	
			IKE/IKI/KOMBI	√	√	√	√	√	√	1.Reset service interval indicator	
			LSZ/LCM (Light switching center)	√	√	√	√	√			
			PDC Park Distance Control	√	√	√	√	√			
			RAD (Radio)	√	√	√	√	√			
			SRS (Air bag)	√	√	√	√	√			
			URS (Rollover sensor)	√	√	√	√	√			
			ZKE (Central body electronic)	√	√	√	√	√			

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	MINI- R50/R5 2/R53		Car Key Memory\KOM [Instrument cluster]\Distance							1.KM 2.MLS 3.---	
			Car Key Memory\KOM [Instrument cluster]\Fuel consumption							1.L/100 KM 2.MPG(UK) 3.MPG(US) 4.KM/LITRE	
			Car Key Memory\KOM [Instrument cluster]\Temperature							1.℃ 2.℉	
			Car Key Memory\KOM [Instrument cluster]\Outside temperature warning							1.Not active 2.Active	
			Car Key Memory\KOM [Instrument cluster]\Ignition key							1.Not active 2.Active	
			Car Key Memory\KOM [Instrument cluster]\Time							1.24H 2.12H	
			Car Key Memory\KOM [Instrument cluster]\Fuel consumption							1.L/100 KM 2.MPG(UK) 3.MPG(US) 4.KM/LITRE	

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		Coding / Program	Car Key Memory\PDC [Park Distance Control]\Switch on message(rear)							1.Not active 2.Active	
			Car Key Memory\PDC [Park Distance Control]\Rear volume							1.stage 1 2.Stage 2 3.Stage 3 4.Stage 4 5.Stage 5 6.Stage 6	
			Car Key Memory\SHD [Sliding\tilting sunroof]\Open sunroof one touch function							1.Not active 2.Active	
			Car Key Memory\SHD [Sliding\tilting sunroof]\Close sunroof one touch function							1.Not active 2.Active	
			Car Key Memory\SHD [Sliding\tilting sunroof]\Raise sunroof one touch function							1.Not active 2.Active	
			Car Key Memory\ZKE [Central Body Electronic]\Central locking\Automatic locking after 2 minutes if not opened							1.Not active 2.Active	

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Series	Chassis	Module	ECU System	Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
			Car Key Memory\ZKE [Central Body Electronic]\Central locking\Automatic locking after starting off							1.Not active 2.Active	
			Car Key Memory\ZKE [Central Body Electronic]\Central locking\Automatic unlocking after engine off							1.Not active 2.Active	
			Car Key Memory\ZKE [Central Body Electronic]\Central locking>Selective central locking							1.Not active 2.Active	
			Car Key Memory\ZKE [Central Body Electronic]\Central locking>Selective central locking rc							1.Not active 2.Active	
			Car Key Memory\ZKE [Central Body Electronic]\Central locking\Entrance aid/Selective							1.Selective 2.Entrance aid 3.Not active	
			Car Key Memory\ZKE [Central Body Electronic]\Central locking\Holding rc open button							1.No function 2.Comfort opening 3.Luggage comp opening	

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			Car Key Memory\ZKE [Central Body Electronic]\Central locking\Holding rc open button							1.Not active 2.Active	
			Car Key Memory\ZKE [Central Body Electronic]\Windscreen Wipers\Switch back when stationary							1.Not active 2.Active	
			Car Key Memory\ZKE [Central Body Electronic]\Exterior Lights\Home lights							1.Not active 2.40 seconds	
			Car Key Memory\ZKE [Central Body Electronic]\Exterior Lights\Home lights							1.Not active 2.40 seconds 3.90 Seconds 4.150 Seconds 5.240 Seconds	
			Car Key Memory\ZKE [Central Body Electronic]\Exterior Lights\Day time running lights(ECE)							1.Not active 2.Active	
			Car Key Memory\ZKE [Central Body Electronic]\Exterior Lights\Day time running lights(US)							1.Not active 2.Active	

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MINI			Service functions							1. Key Test 2. Display status of all keys 3. Disable/Enable key	
			CAS Car Access System	√	√	√	√	√		1.Personalisation key number 2.Disable_enable key 3.Reset internal ELV fault counter	

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		Driver	DME Digital Motor Electronics	√	√	√	√	√	√	1.DME-CAS adjustment 2.CO adjustment 3.Clear adaptations 4.Delete adaptations/variants 5.Idle speed adjustment 6.Consumption indicator adjustment 7.Learning Valvetronic limit positions 8.Venting, cooling system 9.Register battery change 10.Remove Valvetronic servomotor 11.OBD readiness codes	

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			EGS Transmission control	√	√	√	√	√	√	1.Reset adaptation values 2.Reset learning functions 3.Mechatronics adjustment 4.Oil-level adjustment 5.Oil lifetime 6.Teach in transmission 7.Teach in clutch slip 8.Reset clutch characteristic 9.Teach in valve characteristic curve 10.Parking lock, hook test 11.Parking lock, function test	
		Chassis	ABS/ACS/DSC Dynamic Stability Control	√	√	√	√	√	√	1.Bleeding DSC Hydraulics 2.Mix Up Check BrakeLines 3.Run flat indicator initialisation 4.Longitudinal acceleration sensor matching 5.DSC sensors check	
			RDC Tyre pressure control	√	√	√	√	√			

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Series	Chassis	Module	ECU System	Sys. Info.	Read code	Clear code	Data Stream	Actuation	Read Freeze Frame	Special Functions	Others
		Body	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	√	√	√	√	√			
			CID Central Information Display	√	√	√	√	√			
			CVM Convertible-top module	√	√	√	√	√			
			DAB Digital tuner	√	√	√	√	√			
			FRM Footwell Module	√	√	√	√	√		Start windows initialising Rear windows, initialising Rear windows, test	
			IBOC Digital tuner US	√	√	√	√	√			
			IHKA Integrated automatic heating/air conditioning	√	√	√	√	√			
			IHKS Intergrated heating/air-conditioning control	√	√	√	√	√			
			IHS Integrated heating control	√	√	√	√	√			
			INSTR Instrument cluster	√	√	√	√	√	√		

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			RAD22.C31							1.Recoding	
			RAD22.C32							1.Recoding	
			MEX172.C00							1.Recoding	
			MEX172.C0A							1.Recoding	
			MEX172.C0B							1.Recoding	
			MEX172.C0C							1.Recoding	
			MEX172.C0D							1.Recoding	
			MEX172.C0E							1.Recoding	
			MEX172.C0F							1.Recoding	
			MEX172.C10							1.Recoding	
			MEX172.C11							1.Recoding	
			Car Key Memory\CAS [Car access system]\Drive away locking							1.Not active 2.Active	
			Car Key Memory\CAS [Car access system]\Convenience opening / closing							1.Not active 2.Active	
			Car Key Memory\CAS [Car access system]\Selective central locking							1.Not active 2.Active	

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			Car Key Memory\FRM [Footwell module]\Home lights duration							1.Not active 2.40s 3.90s 4.150s 5.240s	
			Car Key Memory\FRM [Footwell module]\Daytime driving lights ECE							1.Not active 2.Active	
			Car Key Memory\FRM [Footwell module]\Visual unlocking,without anti-theft alarm system							1.Not active 2.Active	
			Car Key Memory\JBE [Junction box electronics]\Visual deactivation							1.Not active 2.Active	
			Car Key Memory\JBE [Junction box electronics]\Visual acknowledgement during activation							1.Not active 2.Active	
			Car Key Memory\JBE [Junction box electronics]\Arm acoustically doors/lids closed							1.Not active 2.Active	
			Car Key Memory\SHD [Sliding / Tilting Sunroof]\One-touch function,raise slide/tilt sunroof							1.Not active 2.Active	

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			Maintenance \ CBS Reset							1.Engine Oil 2.Microfilter 3.Front barke 4.Rear brake 5.Vehicle check 6.Spark plugs 7.Brake fluid 8.Vehicle inspection 9.Exhaust emission inspection 10.Diesel particle filter	
			Maintenance \ CBS Correct							1.Engine Oil 2.Microfilter 3.Front barke 4.Rear brake 5.Vehicle check 6.Spark plugs 7.Brake fluid 8.Diesel particle filter 9.Vehicle inspection 10.Exhaust emission inspection	

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			Maintenance							1.Delete transport mode	
			Service functions							1.Adjustment, Steering-angle sensor	

(*):Tested;
(?):Manual on website(www.x431.com)
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CONNE CTOR	X431	DIAGUN	
BMW- 20	The year before 2002, you can easy to find the 20-pin round socket in engine compartment. And some BMW with two	N/A	
BMW- 16	The year after 2002, 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 with CAN bus diagnosis.	N/A	
diagun connec tor	N/A		
SUPER 16	ALL OBDII socket.	N/A	