

LAUNCH

MAN V14.90 Diagnostics List (Note:For reference only)

VEHICLE	MODEL / SYSTEM / SUB.SYS.			CONNECTOR	INFO	RDTC	CDTC	DS	ACT	Spec.Func
	E 2000	Engine	Bosch EDC MS 5(BUS)	①MAN-37	√	√	√	√	√	
			Bosch EDC MS 5(TRUCK)	①MAN-37	√	√	√	√	√	
			BOSCH EDC MS 6.4 VERSION1	①MAN-37	√	√	√	√		
			BOSCH EDC MS 6.4 VERSION2	①MAN-37	√	√	√	√	√	
		ABS	ABS CI-12	①MAN-37	√	√	√	√	√	
	Suspension	Wabco ECAS	①MAN-37	√	√	√	√	√		
	E 2000 Evolution	Engine	Bosch EDC MS 5(BUS)	①MAN-37	√	√	√	√	√	
			Bosch EDC MS 5(TRUCK)	①MAN-37	√	√	√	√	√	
			BOSCH EDC MS 6.4 VERSION1	①MAN-37	√	√	√	√		
			BOSCH EDC MS 6.4 VERSION2	①MAN-37	√	√	√	√	√	
		ABS	ABS CI-12	①MAN-37	√	√	√	√	√	
	Suspension	Wabco ECAS	①MAN-37	√	√	√	√	√		
	F 2000	Engine	Bosch EDC MS 5(BUS)	①MAN-37	√	√	√	√	√	
			Bosch EDC MS 5(TRUCK)	①MAN-37	√	√	√	√	√	
			BOSCH EDC MS 6.4 VERSION1	①MAN-37	√	√	√	√		
			BOSCH EDC MS 6.4 VERSION2	①MAN-37	√	√	√	√	√	
		ABS	ABS CI-12	①MAN-37	√	√	√	√	√	
	Suspension	Wabco ECAS	①MAN-37	√	√	√	√	√		
	F 2000 Evolution	Engine	Bosch EDC MS 5(BUS)	①MAN-37	√	√	√	√	√	
			Bosch EDC MS 5(TRUCK)	①MAN-37	√	√	√	√	√	
			BOSCH EDC MS 6.4 VERSION1	①MAN-37	√	√	√	√		
			BOSCH EDC MS 6.4 VERSION2	①MAN-37	√	√	√	√	√	
		ABS	ABS CI-12	①MAN-37	√	√	√	√	√	
	Suspension	Wabco ECAS	①MAN-37	√	√	√	√	√		
	F 90	Engine	Bosch EDC MS 5(BUS)	①MAN-37	√	√	√	√	√	
			Bosch EDC MS 5(TRUCK)	①MAN-37	√	√	√	√	√	
			BOSCH EDC MS 6.4 VERSION1	①MAN-37	√	√	√	√		
			BOSCH EDC MS 6.4 VERSION2	①MAN-37	√	√	√	√	√	
		ABS	ABS CI-12	①MAN-37	√	√	√	√	√	
	Suspension	Wabco ECAS	①MAN-37	√	√	√	√	√		
	L 2000	Engine	Bosch EDC MS 5(BUS)	①MAN-37	√	√	√	√	√	
			Bosch EDC MS 5(TRUCK)	①MAN-37	√	√	√	√	√	
BOSCH EDC MS 6.4 VERSION1			①MAN-37	√	√	√	√			
BOSCH EDC MS 6.4 VERSION2			①MAN-37	√	√	√	√	√		
ABS		ABS CI-12	①MAN-37	√	√	√	√	√		
Suspension	Wabco ECAS	①MAN-37	√	√	√	√	√			
LE 2000	Engine	Bosch EDC MS 5(BUS)	①MAN-37	√	√	√	√	√		
		Bosch EDC MS 5(TRUCK)	①MAN-37	√	√	√	√	√		
		BOSCH EDC MS 6.4 VERSION1	①MAN-37	√	√	√	√			
		BOSCH EDC MS 6.4 VERSION2	①MAN-37	√	√	√	√	√		
	ABS	ABS CI-12	①MAN-37	√	√	√	√	√		

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VEHICLE	MODEL / SYSTEM / SUB.SYS.			CONNECTOR	INFO	RDTC	CDTC	DS	ACT	Spec.Func
VEHICLE	M 2000	Suspension	Wabco ECAS	①MAN-37	✓	✓	✓	✓	✓	
		Engine	Bosch EDC MS 5(BUS)	①MAN-37	✓	✓	✓	✓	✓	
			Bosch EDC MS 5(TRUCK)	①MAN-37	✓	✓	✓	✓	✓	
			BOSCH EDC MS 6.4 VERSION1	①MAN-37	✓	✓	✓	✓		
			BOSCH EDC MS 6.4 VERSION2	①MAN-37	✓	✓	✓	✓	✓	
		ABS	ABS CI-12	①MAN-37	✓	✓	✓	✓	✓	
	Suspension	Wabco ECAS	①MAN-37	✓	✓	✓	✓	✓		
	M 2000 L Evolution	Engine	Bosch EDC MS 5(BUS)	①MAN-37	✓	✓	✓	✓	✓	
			Bosch EDC MS 5(TRUCK)	①MAN-37	✓	✓	✓	✓	✓	
			BOSCH EDC MS 6.4 VERSION1	①MAN-37	✓	✓	✓	✓		
			BOSCH EDC MS 6.4 VERSION2	①MAN-37	✓	✓	✓	✓	✓	
		ABS	ABS CI-12	①MAN-37	✓	✓	✓	✓	✓	
		Suspension	Wabco ECAS	①MAN-37	✓	✓	✓	✓	✓	
	M 2000 M Evolution	Engine	Bosch EDC MS 5(BUS)	①MAN-37	✓	✓	✓	✓	✓	
			Bosch EDC MS 5(TRUCK)	①MAN-37	✓	✓	✓	✓	✓	
			BOSCH EDC MS 6.4 VERSION1	①MAN-37	✓	✓	✓	✓		
			BOSCH EDC MS 6.4 VERSION2	①MAN-37	✓	✓	✓	✓	✓	
		ABS	ABS CI-12	①MAN-37	✓	✓	✓	✓	✓	
		Suspension	Wabco ECAS	①MAN-37	✓	✓	✓	✓	✓	
	M 90	Engine	Bosch EDC MS 5(BUS)	①MAN-37	✓	✓	✓	✓	✓	
			Bosch EDC MS 5(TRUCK)	①MAN-37	✓	✓	✓	✓	✓	
			BOSCH EDC MS 6.4 VERSION1	①MAN-37	✓	✓	✓	✓		
			BOSCH EDC MS 6.4 VERSION2	①MAN-37	✓	✓	✓	✓	✓	
		ABS	ABS CI-12	①MAN-37	✓	✓	✓	✓	✓	
		Suspension	Wabco ECAS	①MAN-37	✓	✓	✓	✓	✓	
	ME 2000	Engine	Bosch EDC MS 5(BUS)	①MAN-37	✓	✓	✓	✓	✓	
			Bosch EDC MS 5(TRUCK)	①MAN-37	✓	✓	✓	✓	✓	
			BOSCH EDC MS 6.4 VERSION1	①MAN-37	✓	✓	✓	✓		
			BOSCH EDC MS 6.4 VERSION2	①MAN-37	✓	✓	✓	✓	✓	
		ABS	ABS CI-12	①MAN-37	✓	✓	✓	✓	✓	
Suspension		Wabco ECAS	①MAN-37	✓	✓	✓	✓	✓		
TG-A	Engine/Exhaust post-treatment									
	Brakes/Sustained-action brakes									
	Climate control/auxiliary heaters									
	Central computer/instrumentation									
	Comfort/assistance/safety systems									
	Running gear/Steering									
	Gearbox/Powertrain									
TG-L	Engine/Exhaust post-treatment									
	Brakes/Sustained-action brakes									
	Climate control/auxiliary heaters									

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VEHICLE	MODEL / SYSTEM / SUB.SYS.		CONNECTOR	INFO	RDTC	CDTC	DS	ACT	Spec.Func	
HD_MAN		Central computer/instrumentation								
			Gearbox/Powertrain							
		TG-M	Engine/Exhaust post-treatment							
			Brakes/Sustained-action brakes							
			Climate control/auxiliary heaters							
			Central computer/instrumentation							
			Comfort/assistance/safety systems							
			Running gear/Steering							
			Gearbox/Powertrain							
			TG-S	Engine/Exhaust post-treatment						
		Brakes/Sustained-action brakes								
		Climate control/auxiliary heaters								
		Central computer/instrumentation								
		Comfort/assistance/safety systems								
		Running gear/Steering								
		Gearbox/Powertrain								
		TG-X		Engine/Exhaust post-treatment						
			Brakes/Sustained-action brakes							
			Climate control/auxiliary heaters							
			Central computer/instrumentation							
			Comfort/assistance/safety systems							
			Running gear/Steering							
			Gearbox/Powertrain							
			Vehicle search	Quick test						
	Brakes/Sustained-action brakes	EBS 2.2 Knorr		①SMART OBDII-16H	✓	✓	✓	✓		FREEZE FRAME
		EBS 5, Knorr		①SMART OBDII-16H	✓	✓	✓	✓		FREEZE FRAME
		EBS 2,Wabco		①SMART OBDII-16H	✓	✓	✓			FREEZE FRAME
		Haldex ECAM		①SMART OBDII-16H	✓	✓	✓			FREEZE FRAME
		ZF Intarder		①SMART OBDII-16H	✓	✓	✓	✓	✓	FREEZE FRAME
		Retarder R115E/R120-3/R133-2 Voith		①SMART OBDII-16H	✓	✓	✓	✓	✓	FREEZE FRAME
		PriTarder(Voith water pump retarder)		①SMART OBDII-16H	✓	✓	✓	✓		FREEZE FRAME
		Quick test								
		EDC MS6.1 BOSCH		①SMART OBDII-16H	✓	✓	✓	✓	✓	1、 FREEZE FRAME 2、 Governor linkage dynamics
		EDC 7 BOSCH		①SMART OBDII-16H	✓	✓	✓	✓	✓	1、 FREEZE FRAME 2、 COMPRESSION TEST

VEHICLE	MODEL / SYSTEM / SUB.SYS.				CONNECTOR	INFO	RDTC	CDTC	DS	ACT	Spec.Func
SYSTEM	Engine/Exhaust post-treatment	EDC	EDC 7C32,Bosch	①SMART OBDII-16H	✓	✓	✓	✓			1、 FREEZE FRAME 2、 COMPRESSION TEST 3、 Cylinder shut-off test 4、 Rev-up test 5、 Reset torque limiting and flashing MIL
			EDC MS 6.4,Bosch	①SMART OBDII-16H	✓	✓	✓	✓			
			EDC 7 master,Bosch	①SMART OBDII-16H	✓	✓	✓	✓	✓		1、 FREEZE FRAME 2、 COMPRESSION TEST
			EDC 7 slave,Bosch	①SMART OBDII-16H	✓	✓	✓	✓			FREEZE FRAME
			EDC 7C32 Master,Bosch	①SMART OBDII-16H	✓	✓	✓	✓	✓		1、 FREEZE FRAME 2、 COMPRESSION TEST
			EDC 7C32 Slave,Bosch	①SMART OBDII-16H	✓	✓	✓	✓			FREEZE FRAME
		Adblue system	①SMART OBDII-16H	✓	✓	✓	✓				
		Gas ME 7,Bosch	①SMART OBDII-16H	✓	✓	✓	✓			FREEZE FRAME	
		CRT(self-cleaning prarticle filter)MAN	①SMART OBDII-16H	✓	✓	✓	✓			FREEZE FRAME	
		Running gear/Steering	Quick test								
	ECAS Wabco		①SMART OBDII-16H	✓	✓	✓	✓			FREEZE FRAME	
	ECAS CDC Wabco										
	ECAS2 Wabco										
	ECAS2 CDC Wabco										
	RAS-EC1 steering system,rear axle,ZF		①SMART OBDII-16H	✓	✓	✓	✓			FREEZE FRAME	
	Electrohydraulic steering system(EHLA)ME		①OBD-6&9 II	✓	✓	✓				FREEZE FRAME	
	Gearbox/Powertrain	Quick test									
		ASTRONIC ZF	①SMART OBDII-16H	✓	✓	✓	✓			FREEZE FRAME	
		ASTRONIC mid ZF	①SMART OBDII-16H	✓	✓	✓	✓			FREEZE FRAME	
		6AS 850 ASTRONIC lite ZF	①OBD-6&9 II	✓	✓	✓	✓			FREEZE FRAME	
		Ecomat 2/4 Step 2									
		DIWA.5 Voith Turbo	①SMART OBDII-16H	✓	✓	✓	✓			FREEZE FRAME	
		EcoLife,ZF	①SMART OBDII-16H	✓	✓	✓	✓			FREEZE FRAME	
		Ecomat 2/4 ZF	①OBD-6&9 II	✓	✓	✓				FREEZE FRAME	
		Hydro Drive MAN	①SMART OBDII-16H	✓	✓	✓	✓	✓		FREEZE FRAME	
		Torque converter and clutch system TC2 ZF	①OBD-6&9 II	✓	✓	✓				FREEZE FRAME	
		VSM SVDO	①SMART OBDII-16H	✓	✓	✓	✓			FREEZE FRAME	
	Quick test										
	Behr/GKR air-conditioning control	①SMART OBDII-16H	✓	✓	✓	✓			FREEZE FRAME		

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VEHICLE	MODEL / SYSTEM / SUB.SYS.		CONNECTOR	INFO	RDTC	CDTC	DS	ACT	Spec.Func
	Climate control/auxiliary heaters	Air-conditioning system KR 49x Bader	①SMART OBDII-16H	✓	✓	✓			FREEZE FRAME
		Heatingair conditioningauxiliary air conditioning BHTC,Behr	①SMART OBDII-16H	✓	✓	✓	✓	✓	FREEZE FRAME
		Behr independent air-conditioning system SKG	①SMART OBDII-16H	✓	✓	✓	✓		FREEZE FRAME
		D1LC-/D3LC Compact,Eberspaecher	①SMART OBDII-16H	✓	✓	✓	✓		FREEZE FRAME
		Air Top 3500 ST,Webasto	①SMART OBDII-16H	✓	✓	✓	✓		FREEZE FRAME
		Hydronic D5W,Eberspaecher	①SMART OBDII-16H	✓	✓	✓	✓	✓	FREEZE FRAME
		Thermo 50,Webasto	①SMART OBDII-16H	✓	✓	✓	✓	✓	FREEZE FRAME
		Airtronic D2/D4, Eberspaecher	①SMART OBDII-16H	✓	✓	✓	✓	✓	FREEZE FRAME
		Themo S,Spheros	①SMART OBDII-16H	✓	✓	✓	✓		FREEZE FRAME
		Hydronic 24/30/35,Eberapaecher	①SMART OBDII-16H	✓	✓	✓	✓		FREEZE FRAME
		Air Top 3500,Webasto SG 1580 old	①SMART OBDII-16H	✓	✓	✓	✓	✓	FREEZE FRAME
		Air Top 2000 OEM,Webasto	①SMART OBDII-16H	✓	✓	✓	✓	✓	FREEZE FRAME
	Central computer/instrumentation	Quick test							
		VDO-Kienzle instrumentation	①SMART OBDII-16H	✓	✓	✓	✓		FREEZE FRAME
		Instrumentation Stoneridge Electronics	①SMART OBDII-16H	✓	✓	✓	✓		FREEZE FRAME
		VDO FFR	①SMART OBDII-16H	✓	✓	✓	✓	✓	FREEZE FRAME
		CBR II Wabco up to version E5	①SMART OBDII-16H	✓	✓	✓	✓	✓	FREEZE FRAME
		ZBRO control unit software status 'ZR_103' or earlier	①SMART OBDII-16H	✓	✓	✓	✓	✓	FREEZE FRAME
		ZBRO control unit software status 'ZR_104'	①SMART OBDII-16H	✓	✓	✓	✓	✓	FREEZE FRAME
		VDO KSM	①SMART OBDII-16H	✓	✓	✓	✓		FREEZE FRAME
	ZFR MAN	①OBD-6&9 II	✓	✓	✓	✓		FREEZE FRAME	
	Comfort/assistance/safety systems	Quick test							
		LGS ITERIS	①OBD-6&9 II	✓	✓	✓	✓		FREEZE FRAME
		Tire Pressure Monitor(TPM) Wabco	①OBD-6&9 II	✓	✓	✓			FREEZE FRAME
		Telematik Boardmodul(TBM) OHB	①OBD-6&9 II	✓	✓	✓	✓		FREEZE FRAME
		Door module TRW	①SMART OBDII-16H	✓	✓	✓	✓	✓	FREEZE FRAME
		Berifors door module	①SMART OBDII-16H	✓	✓	✓	✓	✓	FREEZE FRAME
		Universal mobile phone preparation(UHV)FWD	①SMART OBDII-16H	✓			✓		
	BOSCH airbag	①SMART OBDII-16H	✓	✓	✓			FREEZE FRAME	
	central computer,marine and auxiliary engines	Quick test							
		Ship vehicle management computer(SFFR)	①SMART OBDII-16H	✓	✓	✓			FREEZE FRAME

(*):Tested;

(?):Manual on website(www.x431.com)

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CONNECTOR	Heavy Duty(980390*****)	Heavy Duty(980391*****)
SMART OBD II-16H	SMART OBD II-16H	SMART OBD II-16E
OBD - 6&9 II	OBD - 6&9 II	SMART OBD II-16E

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MAN-37	MAN-37	MAN-37						