

Mercedes Benz V45.40 Diagnostics List (Note: For reference only)

Vehicle Information			System															
YEARS	MODEL	CHASSIS	ENG TYPE	ENGINE	TRANS	ABS/ESP	Airmatic	TPM/TPC	AB	ICM	XENON LIGHTS	SEAT MODULES	DOOR MODULES	AAC	PTS	ASSYST		
1997-2004	A-CLASS	W168	ECM	CDTS1	CDTS24	CDTS28			CD	CDTS32			C	CDT	CDT			
			CDI	CD														
2005-2009	A-CLASS	W169	MESFI	CDTS34	CDS	CDS25			CD	CDT			CDTS	CDTS33	CDS	CDS31		
			CDI	CDTS17														
2005-2009	B-CLASS	WDDF/W245	MESFI	CDTS34	CD	CDS25			CD	CDT	CDT		CDTS	CDTS33	CDS	CDS31		
			CDI	CDTS17														
1993-2001	C-CLASS	WDBH/W202	ME2	CDTS11	CDTS23	CDT			CD	CDTS32			C	C	CDT	CDT		
			MESFI	CDTS2														
			CDI	CD														
			ERE	CDTS21														
2000-2003	C-CLASS	WDBR/W203	MESFI	CDTS2	CDTS23	CDTS26			CD	CDT32			CDTS	CDTS	CDT	CDT	CDT	
			MESFI2.8	CDTS7														
			CDI2	CDTS14														
			CDI3	CDTS15														
2003-2007	C-CLASS	WDBR/W203	MESFI	CDTS2	CDTS22	CDTS25			CD	CDTS31					CDTS33	CDT		
			ME9.7	CDTS8														
			MESFI2.8	CDTS7														
			CDI2	CDTS14														
			CDI3	CDTS15														
CDI4	CDTS16																	
2007-2010	C-CLASS	WDDG/W204	MESFI	CDTS35	CD	CDTS25	CD	CDTS37	CD	CDTS31S2	CDT	CDTS	CDT	CDTS33	CDTS			
			ME9.7	CDTS8														
			MED 9.7	CDTS9														
			CDI6	CDTS18														
1999-2002	CL-CLASS	WDBP/W215	ME2	CDTS3	CDTS23	CDTS27	CDTS36	CDTS38	CD	CDTS32		C	C	CDT	CDT			
			MESFI2.7	CDTS4														
2002-2005	CL-CLASS	WDBP/W215	MESFI2.8	CDTS7	CDS23	CDTS27	CDTS36	CDTS38	CD	CDTS32		C	C	CDT				
			MESFI2.7.1	CDTS5														
2006-2010	CL-CLASS	WDDE/W216	ME9.7	CDTS8	CD	CDTS25	CDTS29	CDTS37	CD	CD	CDTS	CDTS	CDT	CDTS33	CDTS	CDS31		
			MED17.7															
			ME2.7.2	CDTS6														
			ME9.7 (AMG)	CDTS10														
1998-2002	CLK-CLASS	WDBL/W208	ME2	CDTS11	CDT	CDT			CD	CDTS32		C	C	CDT	CDT			
			MESFI	CDTS2														
2003-2004	CLK-CLASS	WDBT/W209	MESFI	CDTS2	CDT	CDTS26			CDT	CD	CDTS32		CDTS	CDTS	CDT	CDT		
			MESFI2.8	CDTS7														
			CDI2	CDTS14														

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2004-2009	CLK-CLASS	WDBT/W209	MESFI	CDTS2	CD	CDTS25		CDTS37	CD	CDTS31		CDTS	CDTS	CDTS33		
			MESFI2.8	CDTS7												
			ME9.7	CDTS8												
			ME9.7 (AMG)	CDTS10												
			CDI2	CDTS14												
			CDI3	CDTS15												
2004-2010	CLS-CLASS	WDDD/W219	ME9.7	CDTS8	CD	CDTS25	CDS30	CDTS37	CD	CDTS31		CDTS	CDTS	CDTS33	CDTS	CDS31
			MED 9.7	CDTS9												
			MESFI2.8	CDTS7												
			ME9.7 (AMG)	CDTS10												
			CDI4	CDTS16												
2010-2011	CLS-CLASS	W218	MED177	CD	CD	CD	CD	CD	CD	CDS2	CD	CD	CD	CD	CD	
			CDID3	CD												
			CDI60LS	CD												
1986-1995	E-CLASS	WDBE/W124	HFM	CD					CD							
			LH1	CD												
			LH2	CD												
1996-2002	E-CLASS	WDBJ/W210	ME2	CDTS11	CDTS23	CDT		CDT	CD	CDTS32		C	C	CDT	CDT	
			MESFI	CDTS2												
			ERE	CDT												
			CDI	CD												
			CDI2	CDTS14												
			IFI	CD												
2003-2009	E-CLASS	WDBU/W211	MESFI	CDTS2	CDTS22	CDTS25	CDTS30	CDTS37	CD	CDTS31	CDTS	CDTS	CDTS	CDTS33	CDTS	CDS31
			MESFI2.8	CDTS7												
			ME9.7	CDTS8												
			ME 9.7 (AMG)	CDTS10												
			CDI3	CDTS15												
			CDI4	CDTS16												
			CDI-V1	C												
			CDI5	CDTS17												
CDID	CDTS20															
2009-2009	E-CLASS	WDDH/W212	SIM271KECNG	CD	CD	CD	CD	CD	CD	CDS2	CD	CD	CD	CD	CD	
			SIM271DE20	CD												
			ME97	CD												
			ME97 AMG	CD												
			MED97	CD												
			CDI6	CD												
			CDID2	CD												

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YEARS	MODEL	CHASSIS	ENG TYPE	ENGINE	TRANS	ABS/ESP	Airmatic	TPM/TPC	AB	ICM	XENON LIGHTS	SEAT MODULES	DOOR MODULES	AAC	PTS	ASSYST
			CDID3	CD												
			CDI60LS	CD												
2010-2011	E-CLASS	WDDH/W212	SIM271KECNG	CD	CD	CD	CD	CD	CD	CDS2	CD	CD	CD	CD	CD	CD
			SIM271DE20	CD												
			ME97	CD												
			ME97 AMG	CD												
			MED97	CD												
			CDI6	CD												
			CDI60LS	CD												
2009-2011	E-CLASS	WDDK/W207	SIM271DE20	CD	CD	CD	CD	CD	CD	CDS2	CD	CD	CD	CD	CD	CD
			ME97	CD												
			CDID2	CD												
			CDID3	CD												
			CDI6	CD												
1991-2001	G-CLASS	W461	CDI2	CDTS14	CDT	CDTS26		CDTS38	CD	CDT				CDT		
			CDI4	CDTS16												
1990-2010	G-CLASS	WDCY/W463	ME2	CDTS11	CD	CDTS27		CDTS37	CD	CDTS31		CDTS	CDTS	CDTS33		
			MESFI2.8	CDTS7												
			CDI-V1	C												
			CDI2	CDTS14												
			CDI4	CDTS16												
			IFI	CD												
2007-2010	GL-CLASS	WDCE/W164	ME9.7	CDTS8	CD	CDTS25	C	CDT	CD	CDT		CDTS	CDTS	CDTS33	CDS	CDS31
			CDI4	CDTS16												
			CDI6	CDTS18												
			CDI6BIN5EU6													
			CDI5	CDTS17												
			CDI6EU5	CD												
			CDI6BIN5	CD												
			CDI60LS	CD												
2010-2011	GLK-CLASS	WDCG/W204	ME97	CD	CD	CD	CD		CD	CDS2		CD		CD		
			CDID2	CD												
			CDID3	CD												
			CDI6	CD												
1998-2005	M-CLASS	4JGA/W163	ME2	CDTS11	CDT	CDTS26			CD	CDTS32		C		CDT	CDT	
			CDI2	CDTS14												
			CDI-V1	C												
			ME9.7	CDTS8												
			MESFI 17.7	CD												
			MESFI2.8	CDTS7												

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YEARS	MODEL	CHASSIS	ENG TYPE	ENGINE	TRANS	ABS/ESP	Airmatic	TPM/TPC	AB	ICM	XENON LIGHTS	SEAT MODULES	DOOR MODULES	AAC	PTS	ASSYST
2006-2010	M-CLASS	4JGB/W164	ME9.7 (AMG)	CDTS10	CD	CDTS25	C	CDTS37	CD	CDT		CDTS	CDTS	CDTS33	CDS	CDS31
			CDI4	CDTS16												
			CDI6EU5	CD												
			CDI6	CDTS18												
			CDI6BIN5	CD												
			CDI6BIN5EU6	CD												
CDI15	CDTS17															
1996-2011	Maybach	WDBV/W240	MESFI2.7.1	CDTS5	CDT	CDTS26	CDS30	CDT	CD	CDTS31		CDTS	CDTS	CDTS33	CDTS	
			ME2.7.2	CDTS6												
1980-1990	S-CLASS	WDBC/W126							CD							
1991-1998	S-CLASS	WDBG/W140	HFM	CD		CDT			CD	CDTS31	CD			CDT	CDT	
			ME2	CD												
			ME1RE	CDTS12												
			ME1LI	CDTS13												
			ERE	CDTS21												
1999-2002	S-CLASS	WDBN/W220	ME2	CDTS3	CDTS23	CDTS27	CDTS36	CDTS38	CD	CDTS32		C	C	CDT	CDT	
			MESFI2.7	CDTS4												
			CDI2	CDTS14												
			CDI-V1	C												
2002-2005	S-CLASS	WDBN/W220	MESFI2.8	CDTS7	CDS23	CDTS27	CDTS36	CDTS38	CD	CDTS32		C	C	CDT	CDT	
			MESFI2.7.1	CDTS5												
			CDI3	CDTS15												
			CDI-V1	C												
2006-2010	S-CLASS	WDDN/W221	ME9.7	CDTS8	CDTS22	CDTS25	CDTS29	CDTS37	CD	CD	CDT	CDTS	CDT	CDTS33	CDTS	CDS31
			ME9.7 (AMG)	CDTS10												
			ME2.7.2	CDTS6												
			MED17.7													
			MESFI 17.7													
			CDI5	CDTS17												
CDI60LS																
1980-1988	SL-CLASS	WDBB/W107							CD							
1989-2002	SL-CLASS	WDBF/W129	HFM	CD		CDT			CD	CDTS32				CDT		
			ME2	CDTS11												
			ME1RE	CDTS12												
			ME1LI	CDTS13												
			LH1	CD												
			LH2	CD												
			ME1-SFI	CD												
2002-2003	SL-CLASS	WDBS/W230	MESFI2.8	CDTS7	CDT	CDTS26	CDTS36	CDTS38	CD	CDTS32		CDTS	C	CDT	CDT	
			MESFI2.8	CDTS7												

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2003-2010	SL-CLASS	WDBS/W230	ME9.7	CDTS8	CD	CDT	CDTS36	CDTS38	CD	CDTS31		CDTS	C	CDT	CDT	
			MESFI2.7.1	CDTS5												
			ME2.7.2	CDTS6												
1998-2005	SLK-CLASS	WDBK/W170	ME2	CDTS11	CDTS23	CDTS26			CD	CDTS32				CDT		
			MESFI	CDTS2												
2006-2009	SLK-CLASS	WDBW/W171	MESFI	CDTS2	CDTS22	CDTS25		CDTS37	CD	CDT		CDTS	CDT	CDTS33	CDTS	CDS31
			ME9.7	CDTS8												
			MESFI2.8	CD												
2009-2011	SLK-CLASS	W172	SIM271DE20	CD	CD	CD	CD	CD	CD	CDS2	CD	CD	CD	CD	CD	
			MED177	CD												
2005-2009	SLR-CLASS	WDDA/W199	MESFI2.8	CD	CDT	CDTS26		CDTS37	CD	CDTS32			C	CDT		
2009-2011	SLS-CLASS	W197	ME97 AMG	CD	CD	CD		CD	CD	CDS2		CD	CD	CD	CD	
			SIM271DE20	CD												
			ME97	CD												
			CDI6													
2006-2010	R-CLASS	WDCC/W251	ME9.7	CDTS8	CD	CDTS25	CDTS30	CDTS37	CD	CDT		CDTS	CDTS	CDTS33	CDS	CDS31
			MESFI2.8	CDTS7												
			ME9.7 (AMG)	CDTS10												
			CDI60LS													
			CDI6	CDTS18												
			CDI4	CDTS16												

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Notes (说明)			
	Abbreviations for function (功能缩写)	Full name for function	功能全称
	C	DTC	读取和清除故障码
	D	Data Display	读数据流
	T	Actuation Test	动作测试
	S	Indicates special function present, but detail items are not listed	表示有特殊功能, 没有列出具体的项数
	SX(X represents a number) (X表示数字)	Indicates special function present, and detail items are listed	表示有特殊功能, 且列出了具体的项数
	Abbreviations for system (系统缩写)	Full name for system	系统全称
	ECM	Engine control monolith	发动机控制模块
	ME-SFI	Motor electronics	ME-SFI-电控马达
	CDI	Common Rail Diesel Injection	共轨柴油喷射
	TPM/TPC	Tire pressure monitor	轮胎压力监控
	Transmission	Transmission	变速器
	ABS/ESP/ABR	Traction systems ABS, ASR, ETS, ESP	牵引力控制系统ABS, ASR, ETS, ESP
	Airmatic	Airmatic	空气悬挂
	AB	Airbag	气囊
	XENON LIGHTS	Xenon headlamp	氙气大灯
	ICM	Instrument cluster	ICM-带有保养时间显示的仪表板
	PTS	Parktronic system	泊车辅助系统
	ASSYST	Active Service System	自动保养系统
	SEAT MODULES	SEAT MODULES	座椅模块
	DOOR MODULES	DOOR MODULES	车门模块
	AAC	Automatic air conditioning	自动空调

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Notes to the abbreviated function		ENGINE	
C	DTC		ECM
D	Data Display	S1	Ignition
T	Actuation Test	S1	Fuel quantity
S	Indicates special function present, but detail items are not listed	S1	Idle speed selector lever P/N and manual transmission in Neutral
S(X)	Indicates special function present, and detail items are listed	S1	Idle speed selector lever Driver position
		S1	CO setting for models without TWC
ENGINE		S1	Boot strapping
	MESFI		ME2 (DAS)
S2	Learning of the throttle valve stop	S3	Teach in of drive authorization system
S2	Resetting of sensor adaptation	S3	Default initialization
S2	Ignition	S3	Ignition
S2	Fuel quantity	S3	Fuel quantity
S2	Idle speed selector lever P/N and manual transmission in Neutral	S3	Idling specified speed with selector lever in position P or N
S2	Idle speed selector lever Driver position	S3	Idling specified speed with gear engaged
	MESFI2.7		MESFI2.7.1
S4	Default initialization	S5	Default initialization
S4	Ignition	S5	Ignition
S4	Fuel quantity	S5	Fuel quantity
S4	Idling specified speed with selector lever in position P or N	S5	Idling specified speed with selector lever in position P or N
S4	Idling specified speed with gear engaged	S5	Idling specified speed with gear engaged
S4	CO setting for vehicles without TWC	S5	CO setting for vehicles without TWC
	ME2.7.2		MESFI2.8
S6	Activate fuel pump	S7	Teach in of drive authorization system
S6	Resetting of mixture adaptation	S7	Resetting of mixture adaptation
S6	Idling specified speed with gear engaged	S7	Ignition
S6	CO setting for vehicles without TWC	S7	Fuel quantity
		S7	Idling specified speed with selector lever in position P or N
		S7	Idling specified speed with gear engaged
	ME9.7		

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S8	Learning of the throttle valve stop		MED 9.7
S8	Resetting of adaptation data	S9	Learning of the throttle valve stop
S8	ignition	S9	Resetting of adaptation data
S8	Fuel quantity	S9	Fuel quantity
S8	Idling specified speed with selector lever in position P or N	S9	Idling specified speed with selector lever in position P or N
S8	Idling specified speed with gear engaged	S9	Idling specified speed with gear engaged
	ME9.7 (AMG)		ME2 (HHT)
S10	Learning of the throttle valve stop	S11	Ignition
S10	Resetting of adaptation data	S11	Fuel quantity
S10	ignition	S11	Idling speed Selector lever P/N
S10	Fuel quantity	S11	Idling speed Selector lever Drive position
S10	Idling specified speed with selector lever in position P or N	S11	CO setting for models without TWC
S10	Idling specified speed with gear engaged	S11	Self-adaptation
	ME1RE		ME1LI
S12	Ignition	S13	Ignition
S12	Fuel quantity	S13	Fuel quantity
S12	Idling speed Selector lever P/N	S13	CO setting for models without CAT
S12	Idling speed Selector lever Drive position	S13	Self-adaptation
S12	CO setting for models without CAT		
S12	Self-adaptation		MESFI (204)
		S35	Activate fuel pump
	MESFI (169)	S35	Learning of the throttle valve stop
S34	Activate fuel pump	S35	Learning of the recirculated air flap stop
S34	Learning of the throttle valve stop	S35	Resetting of sensor adaptation
S34	Resetting of mixture adaptation	S35	Sensor rotor adaptation
S34	Ignition	S35	Ignition
S34	Fuel quantity	S35	Fuel quantity
S34	Idle speed set value	S35	Idling specified speed with selector lever in position P or N
S34	Electric suction fan for engine or air conditioning	S35	Idling specified speed with gear engaged
	CDI2		CDI3

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S14	Drive authorization		S15	Read coding and change if necessary
S14	Read coding and change if necessary.		S15	Display of coding data
S14	Injector classification / Injector shutoff		S15	Adjustment of injector injection quantities
			S15	Reset quantity mean value adaptation data
			S15	Teaching in the diesel particulate filter after replacing the engine control unit
	CDI4			
S16	Read coding and change if necessary			CDI5
S16	Display of coding data		S17	Reset quantity mean value adaptation data
S16	Reset quantity mean value adaptation data		S17	Adjustment of injector injection quantities
S16	Learning of the throttle valve stop		S17	Resetting air filter learned values after air filter replacement
S16	Resetting air filter learned values after air filter replacement			
	CDI6			CDI A1
S18	Adjustment of injector injection quantities		S19	Adjustment of injector injection quantities
S18	Reset quantity mean value adaptation data		S19	Reset quantity mean value adaptation data
S18	Learning of the throttle valve stop		S19	Regeneration of diesel particulate filter when driving
S18	Activate fuel pump			
	CDID			ERE
S20	Adjustment of injector injection quantities		S21	Variant coding
S20	Regeneration of diesel particulate filter when driving			
S20	Replace component Diesel particulate filter			
S20	Learning of the throttle valve stop			
S20	Resetting the lambda values			
Transmission (CAN)			Transmission	
S22	Definition		S23	Resetting of adaptation data
S22	Assignment of hydraulic shift elements		S24	Control module data
S22	Important information on adaptation limit values		S24	Reset teach-in byte for the air conditioning or automatic heater
S22	Important information on the combination possibilities for adaptation end stop values			
ABS/ESP/ABR (CAN)			ABS/ESP/ABR	

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S25	Road test		S26	Initial startup
S25	Tire pressure loss warner(Activating)		S26	Road test
			S27	Learning process
			S28	Bleeding brake system
Airmatic (CAN)				
S29	Level calibration		Suspension/ABC	
S30	Initial startup with manual settings input for new control unit/Level calibration		S36	1 level calibration
S30	Pneumatic test of component A9/1 (AIRmatic compressor unit)		S36	1 pneumatic inspection
ICM(CAN)			ICM	
S31	Distance unit		S32	Oil change
S31	Temperature unit			
S31	Language		AAC(CAN)	
S31	Time format		S33	Read coding and change if necessary
S31	ASSYST settings		S33	Teach-in of actuator motors after actuator motor replacement
ICM(212,218,207,204,197,172)			TPM(CAN)	
S2	Confirmation of general maintenance		S37	Initial startup(Write wheel electronics identification number.)
S2	Reset general maintenance		S38	Monitoring function