

iSCAN / D91 Specification



D91 For VOLVO® 1988 - 2006

Version: V4.00 Date: March 16, 2007

Available Models List

Model	Connector	System List
200 series	AB-connector	Power train
400 series	AB-connector	Power train, Body
700 series	AB-connector	Power train, Chassis
800 series	AB-connector, OBD-II	Power train, Chassis, Body, Electronics, Service
900 series	AB-connector, OBD-II	Power train, Chassis, Body, Electronics
S40 / V40	OBD-II	Power train, Chassis, Body, Electronics, Service
V50	OBD-II	Power train, Chassis, Body, Electronics, Service
S60	OBD-II	Power train, Chassis, Body, Electronics, Service, Software Download
S70 / V70	OBD-II	Power train, Chassis, Body, Electronics, Service, Software Download
V70XC / XC70	OBD-II	Power train, Chassis, Body, Electronics, Service, Software Download
C70 COUPE / C70 CONV	OBD-II	Power train, Chassis, Body, Electronics, Service, Software Download
S80	OBD-II	Power train, Chassis, Body, Electronics, Service, Software Download
XC90	OBD-II	Power train, Chassis, Body, Electronics, Service
ETM (Magnet Marelli)	OBD-II	Software Download

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200 Series AB-Connecotor

System	Version	Read Codes	Clear Codes	Data Stream	Activation	Adaptation
Engine	Fuel - LH 2.4	✓	✓			
	Fuel - LH 3.1	✓	✓			
	Ignition - EZ 116K	✓	✓			

400 Series AB-Connecotor

System	Version	Read Codes	Clear Codes	Data Stream	Activation	Adaptation
Engine	Fenix 3B	✓	✓			
Brakes	ABS	✓	✓			
Body	Air Bag	✓	✓			
Cruise Control		✓	✓			

700 Series AB-Connecotor

System	Version	Read Codes	Clear Codes	Data Stream	Activation	Adaptation
Engine	Fuel - LH 2.4	✓	✓			
	REGINA	✓	✓			
	Ignition - EZ 116K	✓	✓			
	Ignition - REX-I	✓	✓			
	Turbo Control	✓	✓			
Brakes	ABS	✓	✓			
Cruise Control		✓	✓			

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800 Series AB-Connecotor (before 1996)

System	Version	Read Codes	Clear Codes	Data Stream	Activation	Adaptation
Engine	Fuel - LH 3.2	✓	✓			
	Ignition - EZ 129K	✓	✓			
	Fenix 5.2	✓	✓			
	Motronic 4.3	✓	✓			
Electrical	Instrument Cluster	✓	✓			✓ Reset
Transmission	AW 50-42	✓	✓			
Brakes	ABS	✓	✓			
Body	Power Seat	✓	✓			
	Air Bag 2.2/2.3	✓	✓			
	Climate Control	✓	✓			
Cruise Control		✓	✓			
SIR (Service reset)						✓ Reset

800 Series OBD-II (after 1996)

System	Version	Read Codes	Clear Codes	Data Stream	Activation	Adaptation
Engine	Motronic 4.3	✓	✓			
	Motronic 4.4	✓	✓	✓		
	Diesel MSA 15.7	✓	✓	✓		
Electrical	Instrument Cluster	✓	✓	✓		✓
	Immobilizer	✓	✓	✓		
Transmission	AW 50-42	✓	✓	✓		
	AW 50-42 TDI	✓	✓	✓		
Brakes	ABS	✓	✓	✓		
Body	Left Seat	✓	✓	✓		
	Right Seat	✓	✓	✓		
	Airbag 6.2	✓	✓	✓		
	Climate Control	✓	✓	✓		
Cruise Control		✓	✓			
SIR (Service reset)						✓ Reset

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900 Series AB-Connecotor (before 1996)

System	Version	Read Codes	Clear Codes	Data Stream	Activation	Adaptation
Engine	Fuel - LH 2.4	✓	✓			
	Ignition - EZ 116K	✓	✓			
	REGINA	✓	✓			
	REX-I	✓	✓			
	Motronic 1.8	✓	✓			
	Turbo Control	✓	✓			
Transmission	AW 30-40	✓	✓			
	AW 30-42	✓	✓			
Brakes	ABS	✓	✓			
Body	Power Seat	✓	✓			
	Air Bag 2.2/2.3	✓	✓			
Cruise Control		✓	✓			

900 Series OBD-II Connector (after 1996)

System	Version	Read Codes	Clear Codes	Data Stream	Activation	Adaptation
Engine	Fuel - LH 2.4 (940)	✓	✓			
	Ignition - EZ 116K (940)	✓	✓			
	Motronic 4.4	✓	✓	✓		
Electrical	Immobilizer	✓	✓	✓		
Transmission	AW 30-40/30-43	✓	✓	✓		
Brakes	ABS	✓	✓			
Body	Left Seat	✓	✓	✓		
	Right Seat	✓	✓	✓		
	Airbag 6.2	✓	✓	✓		
Cruise Control		✓	✓			

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S40 / V40 Series OBD-II Connector (before 1998)

System	Version	Read Codes	Clear Codes	Data Stream	Activation	Adaptation
Engine	DSA	✓	✓	✓		
	Fenix 5.1	✓	✓	✓		
	EMS2000	✓	✓	✓		
	Melco 1	✓	✓	✓		
Electrical	Immobilizer	✓	✓	✓		
	Instrument Cluster	✓	✓	✓		
Transmission	AW 50-42	✓	✓	✓		
Brakes	ABS	✓	✓	✓		
Body	Climate Control	✓	✓	✓		
	Airbag 6.2	✓	✓	✓		
	Airbag 6.2	✓	✓	✓		
Cruise Control		✓	✓			

S40 / V40 Series OBD-II Connector (1999~2003)

System	Version	Read Codes	Clear Codes	Data Stream	Activation	Adaptation
Engine	DSA	✓	✓	✓		
	Fenix 5.1	✓	✓	✓		
	EMS2000	✓	✓	✓		
	Melco 1	✓	✓	✓		
	Cruise Control	✓	✓			
	Gas Control Module	✓	✓			
Electrical	DIM/Instrument Cluster	✓	✓	✓		Service Reset / Setting
	IMMOBILIZER	✓	✓			
	LOCK & ALARM	✓	✓			
	CEM/Central Electronic	✓	✓			
	GDM / Gas Discharge Light Module	✓	✓			
Transmission	AW5042 / AW5550	✓	✓	✓		
Brakes	ABS / BCM	✓	✓	✓		
Suspension & Steering	EPS	✓	✓			
Body	SRS/Airbag	✓	✓	✓		
	CCM/Climate Control	✓	✓	✓		✓ (2001-2004)
	CPM	✓	✓			✓
	TIMER4	✓	✓			

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S40 Series OBD-II Connector (2004~2006) / V50 Series OBD-II Connector (2004~2006)

System	Version	Read Codes	Clear Codes	Data Stream	Activation	Adaptation
Engine	B5244S4/B5244S5	✓	✓	✓		
	B4164S3	✓	✓	✓	✓	
	B4184S11	✓	✓	✓	✓	
Electrical (*NOTE)	DIM/Instrument Cluster	✓	✓	✓	✓	Service Reset / Setting
	CEM/Central Electronic	✓	✓	✓	✓	
	SWM/Steering Wheel	✓	✓	✓		
	AEM/Accessory Electronic	✓	✓			
	REM/Rear Electronic	✓	✓			
	AUD/Audio	✓	✓			
	PHM/Phone	✓	✓			
	MPM/Media Player	✓	✓			
	AFM/AM & FM Tuner	✓	✓			
	ICM/Infotainment Control	✓	✓			
	MMM/Multimedia	✓	✓			
	SUB/Subwoofer Module	✓	✓			
	ATM/Antenna	✓	✓			
	TMC/Traffic Message	✓	✓			
GPS/Global Positioning System	✓	✓				
Transmission	TCM AW50/51AWD, AW55-50/51SN	✓	✓			
	TCM CFT23	✓	✓			
	DEM	✓	✓	✓ (2005-2006)		
Brakes	ABS / BCM	✓	✓	✓		
Suspension & Steering	EPS	✓	✓		✓	
Body (*NOTE)	SRS/Airbag	✓	✓	✓		
	CCM/Climate Control	✓	✓	✓		
	DDM/Driver Door	✓	✓	✓	✓	
	PDM/Passenger Door	✓	✓	✓	✓	
	PSM/Power Seat	✓	✓			
	CPM/Combustion Preheater	✓	✓			
	TMC/Trailer	✓	✓			

NOTE 1: Special adapter needed for OBD-II IM3 multiplexer.

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S70 Series OBD-II Connector (1997~2000) / **V70 Series** OBD-II Connector (1997~2000) / **V70XC Series** OBD-II Connector (1998~2000)

System	Version	Read Codes	Clear Codes	Data Stream	Activation	Adaptation
Engine	Motronic 4.4	✓	✓	✓		
	B5202FS/B5234FS/B5252FS (FENIX 5.2)	✓	✓			
	B5254 DENSO (K-Line)	✓	✓	✓		
	B5254 DENSO (CAN)	✓	✓	✓		
	B5244S (K-Line)	✓	✓	✓		
	B5244S / B5244T / B5234T3 (CAN)	✓	✓	✓		
	D5252T (diesel)	✓	✓	✓		
Transmission	AW 50-42 for B5202FS/B5252FS/ D5152T-MSA15.7	✓	✓	✓		
	AW5042 for others	✓	✓	✓		
	AW42AWD / AW5550	✓	✓	✓		
	AW 5042(CAN)	✓	✓	✓		
Body (NOTE)	Keyless Entry	✓	✓	✓		
	Airbag	✓	✓	✓		
	Combustion Preheater	✓	✓	✓		
	Climate Control	✓	✓	✓		
	Left Seat	✓	✓	✓		
	Right Seat	✓	✓	✓		
Brakes	ABS / BCM	✓	✓	✓		
Electrical	DIM/Instrument Cluster	✓	✓	✓		Service Reset / Setting
	Immobilizer	✓	✓	✓		
	Lock and Alarm	✓	✓	✓		
	Road Traffic Info.	✓	✓	✓		
Cruise Control		✓	✓			
SIR (Service reset)						✓ Reset

NOTE : Some versions not supported.

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C70 Coupe OBD-II Connector (1998~2002) / **C70 Conv** OBD-II Connector (1998~2005)

System	Version	Read Codes	Clear Codes	Data Stream	Activation	Adaptation
Engine	Motronic 4.4	✓	✓	✓		
	DSA	✓	✓	✓		
	B5254 DENSO	✓	✓	✓		
	B5244S / B5244T / B5234T3(CAN)	✓	✓	✓		
Transmission	AW 50-42 for B5202FS/B5252FS/ D5152T-MSA15.7	✓	✓	✓		
	AW5042 for others	✓	✓	✓		
	AW42AWD / AW5550	✓	✓	✓		
	AW 5042(CAN)	✓	✓	✓		
Body (NOTE)	Keyless Entry	✓	✓	✓		
	Airbag	✓	✓	✓		
	Combustion Preheater	✓	✓	✓		
	Climate Control	✓	✓	✓		
	Left Seat	✓	✓	✓		
	Right Seat	✓	✓	✓		
Brakes	ABS / BCM	✓	✓	✓		
Electrical	DIM/Instrument Cluster	✓	✓	✓		Service Reset / Setting
	Immobilizer	✓	✓	✓		
	Lock and Alarm	✓	✓	✓		
	Road Traffic Info.	✓	✓	✓		
Cruise Control		✓	✓			
SIR (Service reset)						✓ Reset

NOTE : Some versions not supported.

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S80 Series OBD-II Connector (1999~2006)

System	Version	Read Codes	Clear Codes	Data Stream	Activation	Adaptation
Engine	ECM(B52xx)	✓	✓	✓ (*NOTE2)	✓ (1999-2001)	
	ECM(B62xx)	✓	✓	✓	✓ (1999-2001)	
	ECM(D5252T)	✓	✓	✓		
	ECM(D5244Tx)	✓	✓	✓		
Transmission	4T65xx series	✓	✓	✓		
	AW 50xx/55xx series	✓	✓	✓		
	DEM	✓	✓	✓ (2005-2006)		
Body (NOTE 1)	SRS/Airbag	✓	✓	✓		
	CCM/Climate Control	✓	✓	✓		✓ (1999-2005)
	DDM/Driver Door	✓	✓	✓	✓	
	PDM/Passenger Door	✓	✓	✓	✓	
	PSM/Power Seat	✓	✓	✓		
Brakes	BCM/ABS	✓	✓	✓	✓	
	SAS/Steering Wheel Angle	✓	✓	✓		
Electrical (NOTE 1)	DIM/Instrument Cluster	✓	✓	✓	✓	Service Reset / Setting
	CEM/Central Electronic	✓	✓	✓	✓	✓ (1999-2005)
	SWM/Steering Wheel	✓	✓	✓		
	AEM/Accessory Electronic	✓	✓	✓		
	REM/Rear Electronic	✓	✓	✓		
	UEM/Upper Electronic	✓	✓	✓		
	AUM/Audio	✓	✓	✓		
	PHM/Phone	✓	✓	✓		
RTI/Road Traffic Info.	✓	✓	✓			
Suspension		✓	✓			

NOTE 1: Special adapter needed for OBD-II IM3 multiplexer.

NOTE 2: Some versions not supported.

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S60 Series OBD-II (2002~2006) / **V70 Series** OBD-II (2000~2006) / **V70XC Series** OBD-II (2000~2001) / **XC70 Series** OBD-II (2001~2006)

System	Version	Read Codes	Clear Codes	Data Stream	Activation	Adaptation
Engine	ECM(B52xx)	✓	✓	✓ (*NOTE2)	✓ (2000-2001)	
	ECM(D5244Tx)	✓	✓	✓		
Transmission	AW 50xx/55xx series	✓	✓	✓		
	DEM	✓	✓	✓ (2005-)		
Body (NOTE 1)	SRS/Airbag	✓	✓	✓		
	CCM/Climate Control	✓	✓	✓		✓ (2000-2005)
	DDM/Driver Door	✓	✓	✓	✓	
	PDM/Passenger Door	✓	✓	✓	✓	
	PSM/Power Seat	✓	✓			
Brakes	BCM/ABS	✓	✓	✓	✓	
	SAS/Steering Wheel Angle	✓	✓			
Electrical (NOTE 1)	DIM/Instrument Cluster	✓	✓	✓	✓	Service Reset / Setting
	CEM/Central Electronic	✓	✓	✓	✓	✓ (2000-2005)
	SWM/Steering Wheel	✓	✓	✓		
	AEM/Accessory Electronic	✓	✓			
	REM/Rear Electronic	✓	✓	✓		
	UEM/Upper Electronic	✓	✓	✓		
	AUM/Audio	✓	✓			
	PHM/Phone	✓	✓			
	RTI/Road Traffic Info.	✓	✓			
Suspension		✓	✓			

NOTE 1: Special adapter needed for OBD-II IM3 multiplexer.

NOTE 2: Some versions not supported.

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XC90 Series OBD-II Connector (2003~2006)

System	Version	Read Codes	Clear Codes	Data Stream	Activation	Adaptation
Engine	B5244T2/B6294T	✓	✓	✓ (2005-2006)		
	D5244Tx	✓	✓	✓		
	B8444S (V8)	✓	✓	✓		
Transmission	AW50/51AWD	✓	✓	✓		
	4T65AWD	✓	✓	✓		
	TF-80SC AWD (for V8 model)	✓	✓	✓		
	DEM	✓	✓	✓ (2005-2006)		
Body (NOTE 1)	SRS/Airbag	✓	✓	✓		
	CCM/Climate Control	✓	✓	✓		✓ (2003-2005)
	DDM/Driver Door	✓	✓	✓	✓	
	PDM/Passenger Door	✓	✓	✓	✓	
	PSM/Power Seat	✓	✓			
Brakes	BCM	✓	✓	✓	✓	
	BCM (for V8 model)	✓	✓	✓		
	SAS/Steering Wheel Angle	✓	✓			
	SAS/Steering Wheel Angle (for V8 model)	✓	✓	✓		
Electrical (NOTE 1)	DIM/Instrument Cluster	✓	✓	✓	✓	Service Reset / Setting
	CEM/Central Electronic	✓	✓	✓	✓	✓ (2003-2005)
	CEM/Central Electronic (for V8 model)	✓	✓	✓		
	SWM/Steering Wheel	✓	✓	✓		
	AEM/Accessory Electronic	✓	✓			
	REM/Rear Electronic	✓	✓	✓		
	UEM/Upper Electronic	✓	✓	✓		
	AUM/Audio	✓	✓			
	PHM/Phone	✓	✓			
	MP1/MD Player	✓	✓			
	MP2/CD Player	✓	✓			
	ICM/Infotainment Control	✓	✓			
	MMM/Multimedia	✓	✓			
	SUB/Subwoofer Module	✓	✓			
ATM/Antenna	✓	✓				
Suspension		✓	✓			

NOTE 1: Special adapter needed for OBD-II IM3 multiplexer.

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SOFTWARE DOWNLOAD OBD-II Connector

Model	Version	Year	Description
S70 / V70	ETM / Magnet Marelli	1999~2000	Software download
S80	ETM / Magnet Marelli	1999~2002	Software download