

2010 Volvo S80 - Requested by: ampire.de


<http://www.directechs.com>

Wiring Information

Item	Wire Color	Polarity	Wire Location
12 Volts	red/black (50A)	+	CEM behind glove box, green 2 pin plug, pin 1
Second 12 Volts	red/blue (50A)	+	CEM behind glove box, green 2 pin plug, pin 2
Ignition	gray/black (for ignition sense only)	+	CEM behind glove box, green 76 pin plug, pin 63
Accessory	green/orange (for accessory sense only)	+	front 12V outlet
PTS 1	blue/white to blue	+	start-stop switch or CEM behind glove box, blue 76 pin plug, pin 3
CAN Bus High	blue/black (HS CAN)	data	data link connector, 16 pin plug, pin 6
CAN Bus Low	green/black (HS CAN)	data	data link connector, 16 pin plug, pin 14
CAN Bus High 2	gray/orange (MS CAN)	data	data link connector, 16 pin plug, pin 3
CAN Bus Low 2	violet/orange (MS CAN)	data	data link connector, 16 pin plug, pin 11
Power Lock	gray/violet	-	Driver Door Module, 24 pin plug, pin 21
Power Unlock	violet/black	-	Driver Door Module, 24 pin plug, pin 5
Lock Motor	violet/green	5 wire	Driver Door Module, 22 pin plug, pin 10
Driver Unlock Motor	blue/green	5 wire	Driver Door Module, 22 pin plug, pin 7
Passenger Unlock Motor	blue/brown	5 wire	Passenger Door Module, 22 pin plug, pin 7
Factory Alarm Arm	(factory remote only)		
Factory Alarm Disarm	(see disarm no unlock)		
Disarm No Unlock	(proximity key and push-button)		
Parking Lights	grn/og (LF), gry/rd (RF); pur/gn (LR), yel/bk (RR)	+	CEM, green 76 pin plug, pins 18, 15; brown 76 pin plug, pins 49, 47
Parking Lights -	(LIN bus)		
Hazards	gray/red	-	hazard switch or CEM behind glove box, blue 76 pin plug, pin 13
Turn Signal (Left)	blue/green (F); gray/orange (R)	+	CEM, green 76 pin plug, pin 4; brown 76 pin plug, pin 44
Turn Signal (Right)	yellow/violet (F); green/orange (R)	+	CEM, green 76 pin plug, pin 66; brown 76 pin plug, pin 69

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Headlight	gray/brown (L); violet/orange (R)	+	CEM behind glove box, green 76 pin plug, pins 55, 73
AutoLights	(LIN bus)		
Reverse Light	green/brown	+	CEM behind glove box, brown 76 pin plug, pin 73
Left Front Door Trigger	green/violet	- N.C.	CEM behind glove box, brown 76 pin plug, pin 11
Right Front Door Trigger	green/black or black/green	- N.C.	CEM behind glove box, brown 76 pin plug, pin 29
Left Rear Door Trigger	green	- N.C.	CEM behind glove box, brown 76 pin plug, pin 10
Right Rear Door Trigger	yellow	- N.C.	CEM behind glove box, brown 76 pin plug, pin 28
Dome Light	gray/black	-	CEM behind glove box, black 20 pin plug, pin 14
Trunk/Hatch Pin	yellow/orange	- N.C.	CEM behind glove box, brown 76 pin plug, pin 30
Hood Pin	blue/orange	- N.C.	CEM behind glove box, green 76 pin plug, pin 39
Trunk/Hatch Release	blue/red (rear handle switch)	-	CEM behind glove box, brown 76 pin plug, pin 24
Trunk Release Motor	yellow/violet	5 wire	CEM behind glove box, brown 76 pin plug, pin 63
Fuel Door Release	yellow/blue	+	CEM behind glove box, brown 76 pin plug, pin 62
Tachometer	grn/blu, gry/yl, pur/gy, yel/og, blu/rd, or grn/wh	ac	any fuel injector, 2 pin plug, pin 2
Clutch Pedal	gray/brown	-	clutch switch or CEM, brown 76 pin plug, pin 42
Fuel Pump	yellow/orange	+	CEM behind glove box, brown 76 pin plug, pin 76
Rear Defroster	yellow/red	- latched	CEM behind glove box, brown 76 pin plug, pin 2
Mirror Defroster	(CAN bus)		
Left Front Heated Seat	(LIN bus)		
Right Front Heated Seat	(LIN bus)		
Speed Sense	orange (with sunroof)	ac	CEM behind glove box, black 20 pin plug, pin 1
Brake Wire	violet/white	+	brake switch or CEM behind glove box, brown 76 pin plug, pin 45
Parking Brake	(electric parking brake)		
Horn Trigger	violet/green	-	CEM behind glove box, green 76 pin plug, pin 11

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Wipers	(LIN bus)		
Left Front Window (Up/Down)	blue - green	A	Driver Door Module, 22 pin plug, pins 12 - 1
Right Front Window (Up/Down)	green/black - gray/yellow	A	Passenger Door Module, 22 pin plug, pins 12 - 1
Left Rear Window (Up/Down)	gray/brown - violet/orange	A	Left Rear Door Module, 22 pin plug, pins 12 - 1
Right Rear Window (Up/Down)	violet/white - yellow/orange	A	Right Rear Door Module, 22 pin plug, pins 12 - 1
Sun Roof (Open/Close)	violet/brown - yellow/orange (funct w/ign on only)	-	sunroof switch, 4 pin plug, pins 2 - 3
Memory Seat 1	(switch is part of module)		
Memory Seat 2	(switch is part of module)		
Memory Seat 3	(switch is part of module)		
Radio 12V	gray/yellow or yellow/red	+	radio, 12 pin plug (C2), pin 1
Radio Ground	black	-	radio, 12 pin plug (C2), pin 8
Radio Ignition	(CAN bus)		
Radio Illumination	(CAN bus)		
Factory Amp Turn-on	(MOST bus)		
Power Antenna	green/violet	+	radio, 12 pin plug (C2), pin 2
Left Front Speaker (+/-)	green/black - gray/black	+,-	radio, 12 pin plug (C1), pins 6 - 12
Right Front Speaker (+/-)	violet/black - yellow/black	+,-	radio, 12 pin plug (C1), pins 1 - 7
Left Rear Speaker (+/-)	green/red - gray/red	+,-	radio, 12 pin plug (C1), pins 3 - 9
Right Rear Speaker (+/-)	violet/red - yellow/red	+,-	radio, 12 pin plug (C1), pins 4 - 10
Center Channel (+/-)	green - gray	+,-	amplifier under passenger seat, 16 pin plug, pins 10 - 2
Aux. Audio Input Left (+/-)	brown - green	+,-	radio, 12 pin plug (C2), pins 10 - 11
Aux. Audio Input Right (+/-)	white - green	+,-	radio, 12 pin plug (C2), pins 12 - 11
Satellite Radio 12 Volts	red	+	Sat Radio in trunk center front, 2 pin plug, pin 1
Satellite Radio Ground	black	-	Sat Radio in trunk center front, 2 pin plug, pin 2
Satellite Radio Ignition	(MOST bus)		
Satellite Radio Antenna	(coaxial cable)		

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Satellite Audio Left (+/-)	(MOST bus)		
Satellite Audio Right (+/-)	(MOST bus)		

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What Fits

Item	Size	Depth	Location
Headunit	irregular		center of dash
Left Front Speaker	6.5	2	left front door
Left Front Tweeter	1 (tweeter); 2 (midrange)	1; 3	left front door
Right Front Speaker	6.5	2	right front door
Right Front Tweeter	1 (tweeter); 2 (midrange)	1; 3	right front door
Left Rear Speaker	6.5	2.3	left rear door
Left Rear Tweeter	1	1	left rear door
Right Rear Speaker	6.5	2.3	right rear door
Right Rear Tweeter	1	1	right rear door
Center Channel	3	2	top center of dash
Satellite Radio Tuner			center front of trunk

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Item	Note
Left Front Speaker (+/-)	On models with amplifier, the speaker wires are green/black - gray/black at the amplifier under passenger seat, 16 pin plug, pins 9 - 1.
Left Rear Speaker (+/-)	On models with amplifier, the speaker wires are green/red - gray/red at the amplifier under passenger seat, 16 pin plug, pins 12 - 4.
Right Front Speaker (+/-)	On models with amplifier, the speaker wires are purple/black - yellow/black at the amplifier under passenger seat, 16 pin plug, pins 11 - 3.
Right Rear Speaker (+/-)	On models with amplifier, the speaker wires are purple/red - yellow/red at the amplifier under passenger seat, 16 pin plug, pins 13 - 5.