

2006 Volvo S80 - Requested by: ampire.de


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### Wiring Information

Item	Wire Color	Polarity	Wire Location
12 Volts	red (x2) (50A each)	+	driver kick, harness to rear or CEM
Second 12 Volts	red (x2) (50A each)	+	driver kick, harness to rear or fuse box
Starter	yellow/white	+	ignition switch, 8 pin plug, pin 7
Ignition	blue/red	+	ignition switch, 8 pin plug, pin 1
Accessory	blue	+	ignition switch, 8 pin plug, pin 8
Second Accessory	violet	+	ignition switch, 8 pin plug, pin 6
Keysense	yellow (required)	+	ignition switch, 8 pin plug, pin 3
CAN Bus High	white	data	driver kick, door harness or data link connector, 16 pin plug, pin 3
CAN Bus Low	green	data	driver kick, door harness or data link connector, 16 pin plug, pin 11
Power Lock	use factory alarm arm		
Power Unlock	use factory alarm disarm		
Lock Motor	yellow	5 wire	REM, black 32 pin plug, pin 23
Driver Unlock Motor	gray	5 wire	DDM, gray 12 pin plug, pin 6
Passenger Unlock Motor	gray	5 wire	REM, black 32 pin plug, pin 24
Factory Alarm Arm	violet/white	-	DDM, green 30 pin plug, pin 13
Factory Alarm Disarm	blue/white (double pulse)	-	DDM, green 30 pin plug, pin 12
Disarm No Unlock	keysense and ignition		
Parking Lights	white (LF), gray (RF)	+	CEM, top rear, 36 pin plug, pins 19 and 20
Parking Lights -	(LIN BUS)		
Hazards	yellow	-	hazard switch, 5 pin plug, pin 3
Turn Signal (Left)	green (F); green (R)	+	CEM, top rear, 32 pin plug, pin 31; REM, brn 32 pin plug, pin 11
Turn Signal (Right)	green/white (F); green/white (R)	+	CEM, top rear, 32 pin plug, pin 32; REM, brn 32 pin plug, pin 10

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Item	Wire Color	Polarity	Wire Location
Headlight	blue/white (L), blue/yellow (R)	+	CEM, top rear, 32 pin plug, pins 7 and 4
Reverse Light	blue	+	REM, brown 32 pin plug, pin 7
Left Front Door Trigger	pink	- N.C.	REM, rear, 14 pin plug, pin 12
Right Front Door Trigger	pink	- N.C.	REM, rear, 36 pin plug, pin 29
Left Rear Door Trigger	pink	- N.C.	REM, rear, 14 pin plug, pin 3
Right Rear Door Trigger	pink	- N.C.	REM, rear, 36 pin plug, pin 33
Dome Light	white	+	underdash light
Trunk/Hatch Pin	black/blue or blue/black	- N.C.	REM, black 10 pin plug, pin 2
Hood Pin	yellow or yellow/green	- N.C.	hood switch or REM, rear, 14 pin plug, pin 4
Trunk/Hatch Release	gray/green or green/gray	-	REM, black 10 pin plug, pin 3
Trunk Release Motor	gray/white	5 wire	REM, black 10 pin plug, pin 8
Fuel Door Release	blue/black (unlock only)	5 wire	REM, brown 32 pin plug, pin 9
Tachometer	NOT green	ac	any fuel injector
Clutch Pedal	black (in), brown (out)	- resistor	clutch switch
Fuel Pump	blue	+	driver kick, harness to rear
Rear Defroster	red (x2)	+ latched	REM, black 32 pin plug, pins 15 and 16
Mirror Defroster	(CAN BUS)		
Left Front Heated Seat	(LIN BUS)		
Right Front Heated Seat	(LIN BUS)		
Speed Sense	(wheel speed sensor)		
Brake Wire	yellow/red	+	brake switch or driver kick, harness to rear
Parking Brake	yellow	-	parking brake switch
Horn Trigger	yellow	-	SWM, green 10 pin plug, pin 10
Wipers	blue (L), yellow (H)	+	wiper motor, 4 pin plug, pin 1 and 2
Left Front Window (Up/Down)	red/black - violet	A	DDM, gray 12 pin plug, pins 3 and 4
Right Front Window (Up/Down)	red/black - violet	A	PDM, gray 12 pin plug, pins 3 and 4

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Item	Wire Color	Polarity	Wire Location
Left Rear Window (Up/Down)	green/brown - blue	A	REM, black 32 pin plug, pins 1 and 2
Right Rear Window (Up/Down)	green/brown - blue	A	REM, brown 32 pin plug, pins 1 and 2
Sun Roof (Open/Close)	green - black	A	Sunroof Module, 2 pin plug, pins 2 and 1
Memory Seat 1	switch part of module		
Memory Seat 2	switch part of module		
Memory Seat 3	switch part of module		
Radio 12V	red	+	radio, 12 pin plug (A), pin 1
Radio Ground	brown	-	radio, 12 pin plug (A), pin 12
Radio Ignition	violet	+	radio, 12 pin plug (A), pin 2
Radio Illumination	(CAN BUS)		
Factory Amp Turn-on	(DIN cable)		
Power Antenna	blue/white	+	radio, 12 pin plug (A), pin 9
Left Front Speaker (+/-)	gray/red - gray	+,-	radio, 12 pin plug (B), pins 1 and 2
Right Front Speaker (+/-)	gray/red - gray	+,-	radio, 12 pin plug (B), pins 5 and 6
Left Rear Speaker (+/-)	gray/white - gray	+,-	radio, 12 pin plug (B), pins 7 and 8
Right Rear Speaker (+/-)	gray/white - gray	+,-	radio, 12 pin plug (B), pins 11 and 12
Center Channel (+/-)	gray/red - gray	+,-	radio, 12 pin plug (A), pins 10 and 11

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**What Fits**

Item	Size	Depth	Location
Headunit	irregular		center of dash
Left Front Speaker	6.5		left front door
Left Front Tweeter			left front door
Right Front Speaker	6.5		right front door
Right Front Tweeter			right front door
Left Rear Speaker	5.25 (door), 6 x 9 (deck)		left rear door, left rear deck
Left Rear Tweeter			left rear deck
Right Rear Speaker	5.25 (door), 6 x 9 (deck)		left rear door, left rear deck
Right Rear Tweeter			left rear deck
Center Channel			top center of dash



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### Additional Wiring Notes

Item	Note
12 Volts	The CEM (Central Electronic Module) is under the driver dash.
Second 12 Volts	The fuse box is in the left end of the driver dash.
CAN Bus High	The data link connector is under the driver dash.
CAN Bus Low	The data link connector is under the driver dash.
Passenger Unlock Motor	The REM (Rear Electronic Module) is in the left side of the cargo compartment.
Left Front Door Trigger	The REM (Rear Electronic Module) is in the left side of the cargo compartment.
Fuel Door Release	The REM (Rear Electronic Module) is in the left side of the cargo compartment.
Driver Unlock Motor	The DDM (Driver Door Module) is in the driver door.
Factory Alarm Arm	The DDM (Driver Door Module) is in the driver door. Meter this wire while turning the key in the driver door key cylinder.
Factory Alarm Disarm	The DDM (Driver Door Module) is in the driver door. Meter this wire while turning the key in the driver door key cylinder.
Headlight	The CEM (Central Electronic Module) is under the driver dash.
Hood Pin	The REM (Rear Electronic Module) is in the left side of the cargo compartment.
Horn Trigger	The SWM (Steering Wheel Module) is in the steering column.
Left Front Speaker (+/-)	If equipped, the amplifier is under the passenger seat. On vehicles with amplifier, the speaker wires are gray/red - gray at the amplifier, 12 pin plug, pins 1 and 2.
Left Front Window (Up/Down)	The DDM (Driver Door Module) is in the driver door.
Lock Motor	The REM (Rear Electronic Module) is in the left side of the cargo compartment.
Left Rear Door Trigger	The REM (Rear Electronic Module) is in the left side of the cargo compartment.
Left Rear Speaker (+/-)	If equipped, the amplifier is under the passenger seat. On vehicles with amplifier, the speaker wires are gray/white - gray at the amplifier, 12 pin plug, pins 7 and 8.
Left Rear Window (Up/Down)	The REM (Rear Electronic Module) is in the left side of the cargo compartment.
Parking Lights	The CEM (Central Electronic Module) is under the driver dash. The LR is gray/white at the REM, rear, 36 pin plug, pin 6. The RR is gray at the REM, rear, 36 pin plug, pin 5. The REM (Rear Electronic Module) is in the left side of the cargo compartment.
Rear Defroster	The REM (Rear Electronic Module) is in the left side of the cargo compartment.
Right Front Door Trigger	The REM (Rear Electronic Module) is in the left side of the cargo compartment.
Right Front Speaker (+/-)	If equipped, the amplifier is under the passenger seat. On vehicles with amplifier, the speaker wires are gray/red - gray at the amplifier, 12 pin plug, pins 5 and 6.

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Item	Note
Right Front Window (Up/Down)	The PDM (Passenger Door Module) is in the passenger door.
Reverse Light	The REM (Rear Electronic Module) is in the left side of the cargo compartment.
Right Rear Door Trigger	The REM (Rear Electronic Module) is in the left side of the cargo compartment.
Right Rear Speaker (+/-)	If equipped, the amplifier is under the passenger seat. On vehicles with amplifier, the speaker wires are gray/white - gray at the amplifier, 12 pin plug, pins 11 and 12.
Right Rear Window (Up/Down)	The REM (Rear Electronic Module) is in the left side of the cargo compartment.
Sun Roof (Open/Close)	The Sunroof Module is in front of the sunroof opening.
Trunk/Hatch Pin	The REM (Rear Electronic Module) is in the left side of the cargo compartment.
Trunk/Hatch Release	The REM (Rear Electronic Module) is in the left side of the cargo compartment. Meter this wire while opening the trunk from the handle on the rear of the vehicle.
Trunk Release Motor	The REM (Rear Electronic Module) is in the left side of the cargo compartment.
Turn Signal (Left)	The CEM (Central Electronic Module) is under the driver dash. The REM (Rear Electronic Module) is in the left side of the cargo compartment.
Turn Signal (Right)	The CEM (Central Electronic Module) is under the driver dash. The REM (Rear Electronic Module) is in the left side of the cargo compartment.