

1998 Volvo V70

Wiring Information

Item	Wire Color	Polarity	Wire Location
12 Volts	red/black & red	+	ignition harness
Second 12 Volts			
Starter	yellow/white	+	ignition harness
Second Starter			
Ignition	blue/red	+	ignition harness
Second Ignition	green/yellow	+	ignition harness
Third Ignition			
Accessory	yellow/purple	5wi	ignition harness
Second Accessory	blue/yellow	+	ignition harness
Third Accessory			
Key Sense	yellow (required)	+	ignition harness
Data Bus			
Can Bus High			
Can Bus Low			
Can Bus Sw			
Power Lock	yellow/gray	-	keyless module
Power Unlock	gray/red	-	keyless module
Lock Motor	yellow		drivers kick panel
Unlock Motor	blue/brown		drivers kick panel
Disarm Defeat	yellow/brown		passengers kick panel
Parking Lights (+)	white		light switch
Parking Lights (-)			
Hazards			
Turn Signal (Left)			
Turn Signal (Right)			

Wiring Information (Continued)

Item	Wire Color	Polarity	Wire Location
Headlight	yellow	+	light switch
AutoLights			
Reverse Light			
Left Front Door Trigger	pink/black	-	keyless module
Right Front Door Trigger			
Left Rear Door Trigger			
Right Rear Door Trigger			
Dome Supervision			
Trunk/Hatch Pin	blue/brown	-	keyless module
Rear Glass Pin			
Hood Pin	yellow/black	-	keyless module
Trunk Hatch/Release	yellow/white	-	keyless module
Trunk Release Motor			
Fuel Door Release			
Power Sliding Door (Left)			
Power Sliding Door (Right)			
Factory Alarm Arm	arms with lock		
Factory Alarm Disarm	disarms with unlock		
Disarm No Unlock			
Trunk Alarm Shunt			
Tachometer	blue		ignition coil
Wait to Start			
Neutral Safety			
Clutch Pedal			
Fuel Pump			
Rear Defroster			
Mirror Defroster			
Left Front Heated Seat			
Right Front Heated Seat			

Wiring Information (Continued)

Item	Wire Color	Polarity	Wire Location
Speed Sense	yellow/black		keyless module
Brake Wire	yellow	+	brake switch
Parking Brake			
Horn Trigger	yellow/red	-	keyless module
Wipers	blue (L), yellow (H)	+	steering column
Left Front Window (Up/Down)	blu/grn - green	A	drivers door switch
Right Front Window (Up/Down)	blu/wht - white	A	drivers switch or kick panel
Left Rear Window (Up/Down)	grn/gry - yel/blk	A	drivers switch or kick panel
Right Rear Window (Up/Down)	blu/grn - blu/blk	A	drivers switch or kick panel
Sun Roof (Open/Close)			
Sun Roof (Limit/Close)			
Memory Seat 1			
Memory Seat 2			
Memory Seat 3			
Radio 12V			
Radio Ground			
Radio Ignition			
Radio Illumination			
Factory Amp Turn-on			
Power Antenna			
Left Front Speaker (+/-)			
Right Front Speaker (+/-)			
Left Rear Speaker (+/-)			
Right Rear Speaker (+/-)			
Center Channel (+/-)			
Subwoofer (+/-)			
Aux. Audio Input Left (+/-)			
Aux. Audio Input Right (+/-)			
RSE Video (+/-)			
RSE Audio Left (+/-)			
RSE Audio Right (+/-)			
Satellite Radio 12 Volts			
Satellite Radio Ground			
Satellite Radio Ignition			
Satellite Radio Antenna			
Satellite Audio Left (+/-)			
Satellite Audio Right (+/-)			

What Fits

Item	Size	Depth	Location
Headunit			
Left Front Speaker			
Left Front Tweeter			
Right Front Speaker			
Right Front Tweeter			
Left Rear Speaker			
Left Rear Tweeter			
Right Rear Speaker			
Right Rear Tweeter			
Center Channel			
Subwoofer			
Left Front Headrest			
Right Front Headrest			
Left Right Headrest			
Right Rear Headrest			
Satellite Radio Tuner			

Smart Starter Kill Relay

Relay Type:	n/a
Part #:	n/a
OE Relay Part #:	
Location:	n/a

Notes:
n/a

Alternate Part Notes:
n/a

Immobilizer Bypass Module

Required:	Yes
Type:	Transponder
Part #:	556UW
Alternate Part #'s:	DesignTech 20402, DesignTech 29402

Notes:

Additional Wiring Notes

Item	Note
Disarm No Unlock	A single pulse on the unlock wire will disarm the factory alarm without unlocking the doors.
Left Front Door Trigger	To avoid the dome light delay, there are 4 separate door trigger wires at the keyless module. They are: LF white/black, RF yellow/brown, LR gray/white, RR yellow/white. All 4 wires are negative trigger and must be diode isolated from each other. The keyless module is located above the hood release. It is a black box with 2 green plugs.
Hood Pin	The keyless module is located above the hood release. It is a black box with 2 green plugs.
Horn Trigger	This triggers the alarm horn, the vehicle horns only work with the ignition on. The keyless module is located above the hood release. It is a black box with 2 green plugs.
Parking Lights (+)	If you have factory daytime running lights, and you use the white at the switch for parking lights, the headlights will flash as well. The solution is to wire the white at the switch as a 5 wire system. Also, there are 2 white wires at the switch. They go to the same pin. treat them like one wire.
Power Lock	The keyless module is located above the hood release. It is a black box with 2 green plugs.
Power Unlock	Requires a double pulse for unlock. The keyless module is located above the hood release. It is a black box with 2 green plugs.
Trunk/Hatch Pin	The keyless module is located above the hood release. It is a black box with 2 green plugs.
Trunk Hatch/Release	The keyless module is located above the hood release. It is a black box with 2 green plugs.
Speed Sense	The keyless module is located above the hood release. It is a black box with 2 green plugs.