

2004 Volvo V70



Wiring Information

Item	Wire Color	Polarity	Wire Location
12 Volts	red/black (10A)	+	ignition harness
Second 12 Volts			
Starter	yellow/white	+	ignition harness
Second Starter	N/A		
Ignition	blue/red	+	ignition harness
Second Ignition	N/A		
Third Ignition	N/A		
Accessory	purple	+	ignition harness
Second Accessory	blue	+	ignition harness
Third Accessory			
Key Sense	yellow (required)	+	ignition harness
Data Bus			
Can Bus High			
Can Bus Low			
Can Bus Sw			
Power Lock	purple/white	-	driver door module in door
Power Unlock	blue/white (double pulse)	-	driver door module in door
Lock Motor	yellow	5wi	driver door module in door
Unlock Motor	gray	5wi	driver door module in door
Disarm Defeat	gray	5wi	driver rear door harness
Parking Lights (+)	white (L), gray (R)	+	fuse box under driver dash
Parking Lights (-)	N/A		
Hazards	yellow	-	hazard switch
Turn Signal (Left)	use hazards wire		
Turn Signal (Right)	use hazards wire		

Wiring Information (Continued)

Item	Wire Color	Polarity	Wire Location
Headlight	gray	+	headlight relay on CEM
AutoLights			
Reverse Light	blue	+	reverse light relay on REM
Left Front Door Trigger	white	+	underdash light
Right Front Door Trigger			
Left Rear Door Trigger			
Right Rear Door Trigger			
Dome Supervision	comes on with unlock		
Trunk/Hatch Pin	common with door trigger wire		
Rear Glass Pin			
Hood Pin	yellow	-	hood pin switch under hood
Trunk Hatch/Release	N/A		
Trunk Release Motor			
Fuel Door Release			
Power Sliding Door (Left)	N/A		
Power Sliding Door (Right)			
Factory Alarm Arm	arms with lock		
Factory Alarm Disarm	disarms with unlock		
Disarm No Unlock	disarms with remote start		
Trunk Alarm Shunt			
Tachometer	NOT grn/wht, red/wht, or black	ac	any ignition coil
Wait to Start	N/A		
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	wheel speed sensor		
Brake Wire	yellow	+	brake pedal switch
Parking Brake	yellow	-	parking brake switch
Horn Trigger	yellow/gray	-	horn relay under hood
Wipers	blue (L), yellow (H)	+	windshield wiper motor
Left Front Window (Up/Down)	red/black - purple	A	LF window switch in door
Right Front Window (Up/Down)	red/black - purple	A	RF window switch in door
Left Rear Window (Up/Down)	red/black - purple	A	LR window switch in door
Right Rear Window (Up/Down)	red/black - purple	A	RR window switch in door
Sun Roof (Open/Close)	green - black	A	sunroof motor at front of roof
Sun Roof (Limit/Close)	N/A		
Memory Seat 1			memory switch on driver seat
Memory Seat 2			memory switch on driver seat
Memory Seat 3			memory switch on driver seat
Radio 12V	red	+	radio harness
Radio Ground	brown	-	radio harness
Radio Ignition	purple	+	radio harness
Radio Illumination	N/A		
Factory Amp Turn-on	N/A		
Power Antenna	blue/white	+	radio harness
Left Front Speaker (+/-)	gray/red - gray	+,-	radio harness or amp under pass seat
Right Front Speaker (+/-)	gray/red - gray	+,-	radio harness or amp under pass seat
Left Rear Speaker (+/-)	gray/white - gray	+,-	radio harness or amp under pass seat
Right Rear Speaker (+/-)	gray/white - gray	+,-	radio harness or amp under pass seat
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			

Additional Wiring Notes

Item	Note
Hazards	Also found at the CEM (Central Electronic Module), which is part of the fuse/relay box under the driver side dash.
Hood Pin	Also found at the CEM (Central Electronic Module), which is part of the fuse/relay box under the driver side dash.
Horn Trigger	Also found at the CEM (Central Electronic Module), which is part of the fuse/relay box under the driver side dash.
Reverse Light	The REM (Rear Electronic Module) is part of the fuse/relay box in the driver side of the trunk.
Power Lock	Meter this wire while turning the key in the driver door key cylinder.
Power Unlock	Meter this wire while turning the key in the driver door key cylinder.
Headlight	The CEM (Central Electronic Module) is part of the fuse/relay box under the driver side dash.