

2011 Volvo XC60



Wiring Information

Item	Wire Color	Polarity	Wire Location
12 Volts	red/black (50A)	+	CEM, green 2 pin plug, pin 1
Second 12 Volts	red/blue (50A)	+	CEM, green 2 pin plug, pin 2
Starter	blue (push-button start)	+	start-stop switch or CEM, blue 76 pin plug, pin 3
Second Starter	N/A		
Ignition	gray/black (for ignition sense only)	+	CEM, green 76 pin plug, pin 63
Second Ignition	N/A		
Third Ignition	N/A		
Accessory	green/orange (for accessory sense only)	+	front 12V outlet
Second Accessory	N/A		
Third Accessory	N/A		
Key Sense	N/A		
Data Bus	N/A		
Can Bus High	gray/orange (medium speed CAN)	data	data link conn, 16 pin plug, pin 3 or CEM, green 76 pin plug, pin 30
Can Bus Low	purple/orange (medium speed CAN)	data	data link conn, 16 pin plug, pin 11 or CEM, green 76 pin plug, pin 31
Can Bus Sw	N/A		
Power Lock	gray/purple	-	Driver Door Module, 24 pin plug, pin 21
Power Unlock	purple/black	-	Driver Door Module, 24 pin plug, pin 5
Lock Motor	purple/green	5 wire	Driver Door Module, 22 pin plug, pin 10
Unlock Motor	blue/green	5 wire	Driver Door Module, 22 pin plug, pin 7
Disarm Defeat	blue/brown	5 wire	Passenger Door Module, 22 pin plug, pin 7
Parking Lights (+)	grn/org (LF), gry/red (RF); pur (LR), yel/blk (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, 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/purple (F); green/orange (R)	+	CEM, green 76 pin plug, pin 66; brown 76 pin plug, pin 69

Wiring Information (Continued)

Item	Wire Color	Polarity	Wire Location
Headlight	gray/brown (L), purple/orange (R)	+	CEM, green 76 pin plug, pins 55 and 73
AutoLights	(LIN bus)		
Reverse Light	green/brown	+	CEM, brown 76 pin plug, pin 73
Left Front Door Trigger	green/purple	- N.C.	CEM, brown 76 pin plug, pin 11
Right Front Door Trigger	green/black	- N.C.	CEM, brown 76 pin plug, pin 29
Left Rear Door Trigger	green	- N.C.	CEM, brown 76 pin plug, pin 10
Right Rear Door Trigger	yellow	- N.C.	CEM, brown 76 pin plug, pin 28
Dome Supervision	gray/black	-	CEM, black 20 pin plug, pin 14
Trunk/Hatch Pin	yellow/orange	- N.C.	CEM, brown 76 pin plug, pin 30
Rear Glass Pin	N/A		
Hood Pin	blue/orange	- N.C.	CEM, green 76 pin plug, pin 39
Trunk Hatch/Release	gray/yellow (rear handle switch)	-	CEM, brown 76 pin plug, pin 24
Trunk Release Motor	gray/brown	5 wire	CEM, brown 76 pin plug, pin 63
Fuel Door Release	yellow/blue	+	CEM, brown 76 pin plug, pin 62
Power Sliding Door (Left)	N/A		
Power Sliding Door (Right)	N/A		
Factory Alarm Arm	factory remote only		
Factory Alarm Disarm	see disarm no unlock		
Disarm No Unlock	Transponder and push-button start		
Trunk Alarm Shunt	N/A		
Tachometer	grn/blu, gry/yl, pur/gy, yel/og, blu/rd, or grn/wh	ac	any fuel injector, 2 pin plug, pin 2
Wait to Start	N/A		
Neutral Safety	N/A		
Clutch Pedal	gray/brown	-	clutch switch or CEM, brown 76 pin plug, pin 42
Fuel Pump	yellow/orange	+	CEM, brown 76 pin plug, pin 76
Rear Defroster	yellow/red	- latched	CEM, brown 76 pin plug, pin 2
Mirror Defroster	(CAN bus)		
Left Front Heated Seat	(LIN bus)		
Right Front Heated Seat	(LIN bus)		

Wiring Information (Continued)

Item	Wire Color	Polarity	Wire Location
Speed Sense	orange (with sunroof)	ac	CEM, black 20 pin plug, pin 1
Brake Wire	purple/white	+	brake switch or CEM, brown 76 pin plug, pin 45
Parking Brake	blue/red (electric parking brake)	+	CEM, blue 76 pin plug, pin 69
Horn Trigger	purple/green	-	CEM, green 76 pin plug, pin 11
Wipers	(LIN bus)		
Left Front Window (Up/Down)	blue - green	reverse	Driver Door Module, 22 pin plug, pins 12 and 1
Right Front Window (Up/Down)	green/black - gray/yellow	reverse	Passenger Door Module, 22 pin plug, pins 12 and 1
Left Rear Window (Up/Down)	gray/brown - purple/orange	reverse	Left Rear Door Module, 22 pin plug, pins 12 and 1
Right Rear Window (Up/Down)	purple/white - yellow/orange	reverse	Right Rear Door Module, 22 pin plug, pins 12 and 1
Sun Roof (Open/Close)	pur/brn - yel/org (function with ignition on only)	-	sunroof switch, 16 pin plug, pins 15 and 8
Sun Roof (Limit/Close)	N/A		
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	yellow/red	+	radio, 8 pin plug, pin 1
Radio Ground	black/gray	-	radio, 8 pin plug, pin 8
Radio Ignition	(CAN bus)		
Radio Illumination	(CAN bus)		
Factory Amp Turn-on	(MOST bus)		
Power Antenna	green/purple	+	radio, 8 pin plug, pin 2
Left Front Speaker (+/-)	green/black - gray/black	+,-	radio, 12 pin plug, pins 6 and 12
Right Front Speaker (+/-)	purple/black - yellow/black	+,-	radio, 12 pin plug, pins 1 and 7
Left Rear Speaker (+/-)	green/red - gray/red	+,-	radio, 12 pin plug, pins 3 and 9
Right Rear Speaker (+/-)	purple/red - yellow/red	+,-	radio, 12 pin plug, pins 4 and 10
Center Channel (+/-)	green - gray	+,-	amplifier, 16 pin plug, pins 10 and 2
Subwoofer (+/-)	green/purple - gray (1); purple - yellow (2)	+,-	amplifier, 16 pin plug, pins 9 and 1; 11 and 3
Aux. Audio Input Left (+/-)	brown - green	+,-	radio, 8 pin plug, pins 5 and 7
Aux. Audio Input Right (+/-)	white - green	+,-	radio, 8 pin plug, pins 6 and 7
RSE Video (+/-)	yellow - shield (input); white - shield (output)	+,-	monitor/DVD, 16 pin plg, pins 11 and 12; 13 and 14

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RSE Audio Left (+/-)	white - shield	+, -	monitor/DVD, 16 pin plug, pins 7 and 6
RSE Audio Right (+/-)	orange - shield	+, -	monitor/DVD, 16 pin plug, pins 5 and 6
Satellite Radio 12 Volts	red	+	Digital Audio Receiver, 2 pin plug, pin 1
Satellite Radio Ground	black	-	Digital Audio Receiver, 2 pin plug, pin 2
Satellite Radio Ignition	(MOST bus)		
Satellite Radio Antenna	(coaxial cable)		
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	3	left front door
Left Front Tweeter	1 (tweeter), 2 (midrange)	1	left front door
Right Front Speaker	6.5	3	right front door
Right Front Tweeter	1 (tweeter), 2 (midrange)	1	right front door
Left Rear Speaker	6.5	3	left rear door
Left Rear Tweeter	1	1	left rear door
Right Rear Speaker	6.5	3	right rear door
Right Rear Tweeter	1	1	right rear door
Center Channel	3	2	top center of dash
Subwoofer	6.5	3	luggage compartment floor
Left Front Headrest			
Right Front Headrest			
Left Right Headrest			
Right Rear Headrest			
Satellite Radio Tuner			center front of luggage compartment

Additional Wiring Notes

Item	Note
Can Bus High	The CEM (Central Electronic Module) is behind the glove box. The high speed CAN high is blue/black at the data link connector, 16 pin plug, pin 6 or the CEM, blue 76 pin plug, pin 6.
Can Bus Low	The CEM (Central Electronic Module) is behind the glove box. The high speed CAN low is green/black at the data link connector, 16 pin plug, pin 14 or the CEM, blue 76 pin plug, pin 7.
Hazards	The CEM (Central Electronic Module) is behind the glove box.
Turn Signal (Left)	The CEM (Central Electronic Module) is behind the glove box.
Turn Signal (Right)	The CEM (Central Electronic Module) is behind the glove box.
Headlight	The CEM (Central Electronic Module) is behind the glove box.
Reverse Light	The CEM (Central Electronic Module) is behind the glove box.
Left Front Door Trigger	The CEM (Central Electronic Module) is behind the glove box.
Right Front Door Trigger	The CEM (Central Electronic Module) is behind the glove box.
Left Rear Door Trigger	The CEM (Central Electronic Module) is behind the glove box.
Right Rear Door Trigger	The CEM (Central Electronic Module) is behind the glove box.
Dome Supervision	The CEM (Central Electronic Module) is behind the glove box.
Trunk/Hatch Pin	The CEM (Central Electronic Module) is behind the glove box.
Hood Pin	The CEM (Central Electronic Module) is behind the glove box.
Trunk Release Motor	The CEM (Central Electronic Module) is behind the glove box.
Fuel Door Release	The CEM (Central Electronic Module) is behind the glove box.
Fuel Pump	The CEM (Central Electronic Module) is behind the glove box.
Rear Defroster	The CEM (Central Electronic Module) is behind the glove box.
Satellite Radio 12 Volts	If equipped, the Digital Audio Receiver is in the center front of the luggage compartment.
12 Volts	The CEM (Central Electronic Module) is behind the glove box.
Second 12 Volts	The CEM (Central Electronic Module) is behind the glove box.
Ignition	The CEM (Central Electronic Module) is behind the glove box.
Starter	The CEM (Central Electronic Module) is behind the glove box.
Trunk Hatch/Release	The CEM (Central Electronic Module) is behind the glove box. On vehicles with power liftgate, the close is gray/brown (-) at the Power Liftgate Module in the liftgate, connector 2, pin 4.
Parking Lights (+)	The CEM (Central Electronic Module) is behind the glove box.
Brake Wire	The CEM (Central Electronic Module) is behind the glove box.
Parking Brake	The CEM (Central Electronic Module) is behind the glove box.
Horn Trigger	The CEM (Central Electronic Module) is behind the glove box.
Center Channel (+/-)	If equipped, the amplifier is under the passenger seat.
Left Front Speaker (+/-)	If equipped, the amplifier is under the passenger seat. On vehicles with amplifier, the speaker wires are green/black - gray/black at the amplifier, 16 pin plug, pins 9 and 1.
Right Front Speaker (+/-)	If equipped, the amplifier is under the passenger seat. On vehicles with amplifier, the speaker wires are purple/black - yellow/black at the amplifier, 16 pin plug, pins 11 and 3.
Left Rear Speaker (+/-)	If equipped, the amplifier is under the passenger seat. On vehicles with amplifier, the speaker wires are green/red - gray/red at the amplifier, 16 pin plug, pins 12 and 4.
Right Rear Speaker (+/-)	If equipped, the amplifier is under the passenger seat. On vehicles with amplifier, the speaker wires are purple/red - yellow/red at the amplifier, 16 pin plug, pins 13 and 5.
Clutch Pedal	The CEM (Central Electronic Module) is behind the glove box.
Speed Sense	The CEM (Central Electronic Module) is behind the glove box.
Subwoofer (+/-)	If equipped, the amplifier is under the passenger seat.