

2010 BMW X6 (E71/E72)



Wiring Information

Item	Wire Color	Polarity	Wire Location
12 Volts	red/green (40A)	+	Footwell Module in driver kick, 51 pin plug (X14260), pin 2
Second 12 Volts	red/purple (40A)	+	Footwell Module, 51 pin plug (X14261), pin 34
Starter	black (for starter kill only)	+ low curr	Car Access System under driver dash, 41 pin plug, pin 22
Second Starter	N/A		
Ignition	green (for ignition sense only)	+ low curr	Car Access System under driver dash, 41 pin plug, pin 8
Second Ignition	N/A		
Third Ignition	N/A		
Accessory	N/A		
Second Accessory	N/A		
Third Accessory	N/A		
Key Sense	N/A		
Data Bus	IMMOBILIZER AND IGNITION INTERFACE REQUIRED FOR RS		
Can Bus High	orange/green	data	Footwell Module in driver kick, 51 pin plug (X14260), pin 46
Can Bus Low	green	data	Footwell Module in driver kick, 51 pin plug (X14260), pin 45
Can Bus Sw	N/A		
Power Lock	yellow/red (center dash switch)	-	Car Access System under driver dash, 41 pin plug, pin 29
Power Unlock	same as power lock		
Lock Motor	white or black	5 wire	driver kick or pass dash fuse box ECU, 47 pin plug, pin 36 or 14
Unlock Motor	blue	5 wire	driver kick or pass dash fuse box ECU, 47 pin plug, pin 18
Disarm Defeat	blue	5 wire	passenger kick or pass dash fuse box ECU, 47 pin plug, pin 19
Parking Lights (+)	blue (LF); black/green (RF)	+	Footwell Mod, 51P plug (X14261), pin 50; 51P plug (X14260), pin 8
Parking Lights (-)	black	-	Footwell Module in driver kick, 26 pin plug, pin 1
Hazards	brown/blue	-	Footwell Module in driver kick, 26 pin plug, pin 18
Turn Signal (Left)	blue/green (F); blue/green (R)	+	Footwell Mod, 51P plug (X14260), pin 13; 51P plug (X14261), pin 45

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DirectWire Vehicle Information - 9/30/2013 11:13:18 AM			
Turn Signal (Right)	blue/brown (F); blue/brown (R)	+	Footwell Mod, 51P plug (X14261), pin 40; 51P plug (X14260), pin 12

Wiring Information (Continued)

Item	Wire Color	Polarity	Wire Location
Headlight	yellow/green (L); yellow/blue (R)	+	Footwell Mod, 51P plug (X14260), pin 6; 51P plug (X14261), pin 38
AutoLights			
Reverse Light	yellow/brown	+	Footwell Module in driver kick, 51 pin plug (X14261), pin 47
Left Front Door Trigger	brown/gray/yellow	-	Footwell Module in driver kick, 51 pin plug (X14261), pin 24
Right Front Door Trigger	brown/gray/yellow	-	Footwell Module, 51 pin plug (X14261), pin 13
Left Rear Door Trigger	brown/gray	-	Footwell Module, 51 pin plug (X14261), pin 26
Right Rear Door Trigger	brown/white	-	Footwell Module, 51 pin plug (X14261), pin 15
Dome Supervision	red/blue (without Roof Function Cntrl Center only)	+	Footwell Module in driver kick, 51 pin plug (X14260), pin 35
Trunk/Hatch Pin	gray/brown	-	passenger dash fuse box ECU, 54 pin plug, pin 50
Rear Glass Pin	N/A		
Hood Pin	purple/green	-	Car Access System under driver dash, 41 pin plug, pin 38
Trunk Hatch/Release	gray/yellow	-	release switch or pass dash fuse box ECU, 54 pin plug, pin 44
Trunk Release Motor	gray/green	5 wire	passenger dash fuse box ECU, 47 pin plug, pin 39
Fuel Door Release	unlocks along with driver door		
Power Sliding Door (Left)	N/A		
Power Sliding Door (Right)	N/A		
Factory Alarm Arm	blue/red (driver door key lock)	-	Footwell Module in driver kick, 51 pin plug (X14261), pin 42
Factory Alarm Disarm	white/black (driver door key unlock)	-	Footwell Module in driver kick, 51 pin plug (X14261), pin 46
Disarm No Unlock			
Trunk Alarm Shunt	N/A		
Tachometer	black	ac	data link connector, 16 pin plug, pin 9
Wait to Start	N/A		
Neutral Safety	N/A		
Clutch Pedal	N/A		
Fuel Pump	red/white or white/blue	+	fuel pump under left rear seat
Rear Defroster	black	+ latched	passenger dash fuse box, plug (X11003), pin 1
Mirror Defroster	(LIN BUS)		
Left Front Heated Seat	(LIN BUS or CAN BUS)		
Right Front Heated Seat	(LIN BUS or CAN BUS)		

Wiring Information (Continued)

Item	Wire Color	Polarity	Wire Location
Speed Sense	yellow/purple	ac	Car Access System under driver dash, 41 pin plug, pin 31
Brake Wire	brown/gray (functions with ignition on only)	+	brake switch or Car Access System under driver dash, 41 pin plug, pin 32
Parking Brake	(electric parking brake)		
Horn Trigger	purple/blue	+	passenger dash fuse box, plug (X11002), pin 9
Wipers	black/blue (L), black/brown (H)	+	passenger dash fuse box, plug (X11006), pins 9, 10
Left Front Window (Up/Down)	use factory alarm arm/disarm		
Right Front Window (Up/Down)	see left front window		
Left Rear Window (Up/Down)	see left front window		
Right Rear Window (Up/Down)	see left front window		
Sun Roof (Open/Close)	use factory alarm arm/disarm		
Sun Roof (Limit/Close)	N/A		
Memory Seat 1	(LIN BUS)		
Memory Seat 2	(LIN BUS)		
Memory Seat 3	N/A		
Radio 12V	red/green	+	radio, 16 pin plug, pin 15
Radio Ground	brown	-	radio, 16 pin plug, pin 12
Radio Ignition	(CAN BUS)		
Radio Illumination	gray/red (dimmer)	+	radio, 16 pin plug, pin 14
Factory Amp Turn-on	(same as power ant - HiFi); (MOST BUS - Top HiFi)		
Power Antenna	black	+	radio, 16 pin plug, pin 13
Left Front Speaker (+/-)	red/white - brown/yellow or yellow/red - brown/org	+,-	radio, 16 pin plug, pins 3 - 7
Right Front Speaker (+/-)	red/blue - brown/white or blue/red - brown/orange	+,-	radio, 16 pin plug, pins 2 - 6
Left Rear Speaker (+/-)	yellow/red - yellow/brown or yellow/blk - brn/org	+,-	radio, 16 pin plug, pins 4 - 8
Right Rear Speaker (+/-)	blue/green - blue/brown or blue/black - brown/org	+,-	radio, 16 pin plug, pins 1 - 5
Center Channel (+/-)	black/white - black/brown	+,-	amplifier, 42 pin plug, pins 39 - 40, or 20 pin plug, pins 5 - 15
Subwoofer (+/-)	red/wht - brown/yel (L); red/blue - brown/wht (R)	+,-	amplifier, 42 pin plug, pins 4-3; 23-22, or 20 pin plug, pins 8-18; 6-16
Aux. Audio Input Left (+/-)			
Aux. Audio Input Right (+/-)			
RSE Video (+/-)			

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DirectWire Vehicle RSE Audio Left (+/-)	Information - 9/30/2013 1:13:18 AM		
RSE Audio Right (+/-)			
Satellite Radio 12 Volts	red/purple	+	Sat Radio in left side of trunk, 3 pin plug, pin 1
Satellite Radio Ground	brown	-	Sat Radio in left side of trunk, 3 pin plug, pin 3
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	3.9		left front door
Left Front Tweeter	1		left front door
Right Front Speaker	3.9		right front door
Right Front Tweeter	1		right front door
Left Rear Speaker	3.9		left rear door; left rear pillar
Left Rear Tweeter	1		left rear door; left rear pillar
Right Rear Speaker	3.9		right rear door; right rear pillar
Right Rear Tweeter	1		right rear door; right rear pillar
Center Channel	3.9		top center of dash
Subwoofer	8.5		under front seats
Left Front Headrest			
Right Front Headrest			
Left Right Headrest			
Right Rear Headrest			
Satellite Radio Tuner			left side of trunk

Additional Wiring Notes

Item	Note
Left Front Speaker (+/-)	On models with amplifier, the speaker wires are blue/white - blue/brown at the amplifier in left side of trunk, 42 pin plug, pins 33 - 34, or 20 pin plug, pins 19 - 9.
Right Front Speaker (+/-)	On models with amplifier, the speaker wires are blue/black - blue/brown at the amplifier in left side of trunk, 42 pin plug, pins 11 - 12, or 20 pin plug, pins 17 - 7.
Left Rear Speaker (+/-)	On models with amplifier, the door speaker wires are yellow/red - yellow/brown at the amplifier in left side of trunk, 42 pin plug, pins 31 - 32, or 20 pin plug, pins 14 - 4. The rear pillar speaker wires are yellow/red - yellow/brown at the amplifier, 20 pin plug, pins 1 - 11.
Right Rear Speaker (+/-)	On models with amplifier, the door speaker wires are blue/green - blue/brown at the amplifier in left side of trunk, 42 pin plug, pins 13 - 21, or 20 pin plug, pins 13 - 3. The rear pillar speaker wires are blue/green - blue/brown at the amplifier, 20 pin plug, pins 12 - 2.
Parking Lights (+)	The LR - RR are yellow/black - yellow/purple at the Footwell Module in driver kick, 51 pin plug (X14260), pins 16 - 18.