

2013 Jeep Wrangler




Wiring Information

Item	Wire Color	Polarity	Wire Location
12 Volts	red	+	battery or underhood fuse box
Second 12 Volts	lt. blue/red (10A)	+	ignition switch, black 5 pin plug, pin 5
Starter	yellow/gray (for starter kill only)	+	starter or underhood fuse box, blue 26 pin plug, pin 8
Second Starter	purple/brown (use interface mod or Tech Doc 1084)	- 180 ohms	ignition switch, black 5 pin plug, pin 2
Ignition	pink/white	+	ignition switch, black 5 pin plug, pin 3
Second Ignition	N/A		
Third Ignition	N/A		
Accessory	same as second starter	- 560 ohms	
Second Accessory	N/A		
Third Accessory	N/A		
Key Sense	same as second starter	-8.5K ohms	
Data Bus	N/A		
Can Bus High	white/black (CAN C bus)	data	SKREEM around ignition switch, black 8 pin plug, pin 6
Can Bus Low	white/lt. blue (CAN C bus)	data	SKREEM around ignition switch, black 8 pin plug, pin 7
Can Bus Sw	N/A		
Power Lock	purple/lt. green	-1000 ohms	driver kick, door harness, black 14 pin plug, pin 5
Power Unlock	same as power lock	- 249 ohms	
Lock Motor	tan/white	5 wire	driver kick, door harness, black 14 pin plug, pin 8
Unlock Motor	tan/lt. green	5 wire	driver kick, door harness, black 14 pin plug, pin 1
Disarm Defeat	tan/brown	5 wire	passenger kick, door harness, black 14 pin plug, pin 8
Parking Lights (+)	white/orange (L), white/purple (R)	+	passenger kick, harness to rear
Parking Lights (-)	(LIN bus)		
Hazards	white/dk. blue	-	hazard switch, black 8 pin plug, pin 1
Turn Signal (Left)	white/lt. green (F); white/dk. green (R)	+	turn signal light (F); passenger kick, harness to rear (R)
Turn Signal (Right)	white/tan (F); white/yellow (R)	+	turn signal light (F); passenger kick, harness to rear (R)

Wiring Information (Continued)

Item	Wire Color	Polarity	Wire Location
Headlight	white/dk. blue (L), white/orange (R)	+	headlights or underhood fuse box, green 26 pin plug, pins 3 and 11
AutoLights	N/A		
Reverse Light	white/gray	+	passenger kick, harness to rear
Left Front Door Trigger	purple	-	driver kick, door harness, black 14 pin plug, pin 4
Right Front Door Trigger	purple/white	-	passenger kick, door harness, blk 14 pin plg, pin4
Left Rear Door Trigger	purple/gray	-	passenger kick, harness to rear
Right Rear Door Trigger	purple/yellow	-	passenger kick, harness to rear
Dome Supervision	yellow/white	+	underdash light or passenger kick, harness to rear
Trunk/Hatch Pin	purple/orange	-	passenger kick, harness to rear
Rear Glass Pin	N/A		
Hood Pin	purple/lt. blue	-	hood switch or underhood fuse box, gray 16 pin plug, pin 3
Trunk Hatch/Release	N/A		
Trunk Release Motor	lt. green/white (unlock only)	5 wire	passenger kick, harness to rear
Fuel Door Release	N/A		
Power Sliding Door (Left)	N/A		
Power Sliding Door (Right)	N/A		
Factory Alarm Arm	arms on lock with door open		
Factory Alarm Disarm	see disarm no unlock		
Disarm No Unlock	Sentry Key, ignition, and keysense		
Trunk Alarm Shunt	N/A		
Tachometer	bn/yl, bn/dk bu, bn/lt bu, bn/tn, bn/og, or bn/pu	ac	any fuel injector, black 2 pin plug, pin 2
Wait to Start	N/A		
Neutral Safety	N/A		
Clutch Pedal	yellow/orange	-	clutch switch under hood, black 3 pin plug, pin 2
Fuel Pump	dk. blue/orange	+	underhood fuse box, brown 40 pin plug, pin 10
Rear Defroster	dk. blue/white	+ latched	passenger kick, harness to rear
Mirror Defroster	same as rear defroster		
Left Front Heated Seat	(LIN bus)		
Right Front Heated Seat	(LIN bus)		

Wiring Information (Continued)

Item	Wire Color	Polarity	Wire Location
Speed Sense	(wheel speed sensor)		
Brake Wire	white/tan	+	brake switch, gray 6 pin plug, pin 6
Parking Brake	dk. green/white	-	parking brake switch, black 1 pin plug, pin 1
Horn Trigger	gray/yellow	+	horn or underhood fuse box, green 26 pin plug, pin 18
Wipers	brown/lt. blue (L), brown/orange (H)	+	wiper mtr or underhood fuse box, brown 40 pin plug, pins 12 and 11
Left Front Window (Up/Down)	lt. blue - white	A	front power window switch, black 14 pin plug, pins 14 and 13
Right Front Window (Up/Down)	brown/lt. blue - purple/white	A	front power window switch, black 14 pin plug, pins 7 and 3
Left Rear Window (Up/Down)	orange/white - orange/gray	A	front power window switch, black 14 pin plug, pins 8 and 9
Right Rear Window (Up/Down)	orange/lt. blue - orange/dk. blue	A	front power window switch, black 14 pin plug, pins 1 and 2
Sun Roof (Open/Close)	N/A		
Sun Roof (Limit/Close)	N/A		
Memory Seat 1	N/A		
Memory Seat 2	N/A		
Memory Seat 3	N/A		
Radio 12V	yellow/red	+	radio, gray 22 pin plug, pin 1
Radio Ground	black	-	radio, gray 22 pin plug, pin 12
Radio Ignition	(CAN IHS bus)		
Radio Illumination	(CAN IHS bus)		
Factory Amp Turn-on	(CAN IHS bus)		
Power Antenna	N/A		
Left Front Speaker (+/-)	gray/purple - gray/yellow	+,-	radio, gray 22 pin plug, pins 21 and 22
Right Front Speaker (+/-)	dk. green/purple - dk. green/yellow	+,-	radio, gray 22 pin plug, pins 19 and 20
Left Rear Speaker (+/-)	gray/lt. green - gray/dk. green	+,-	radio, gray 22 pin plug, pins 8 and 9
Right Rear Speaker (+/-)	dk. green/lt. green - dk. green/gray	+,-	radio, gray 22 pin plug, pins 10 and 11
Center Channel (+/-)	N/A		
Subwoofer (+/-)	gry/brn - dk grn/brn (1); gry/wht - dk grn/wht (2)	+,-	amplifier under driver dash, blk 16 pin plug, pins 14 and 6; 3 and 11
Aux. Audio Input Left (+/-)	dk. green/orange - dk. green (hands free audio)	+,-	radio, gray 10 pin plug, pins 1 and 6
Aux. Audio Input Right (+/-)	dk. green/yellow - dk. green (hands free audio)	+,-	radio, gray 10 pin plug, pins 2 and 6
RSE Video (+/-)	N/A		
RSE Audio Left (+/-)	N/A		
RSE Audio Right (+/-)	N/A		

Copyright © 2011 Directed Electronics. All Rights Reserved. DirectWire and its vehicle information are for the sole use of authorized Directed Electronics personnel and its participating dealers and distributors. The information contained on these pages may contain confidential and privileged information. Any unauthorized review, use, disclosure or distribution is prohibited.

DirectWire Vehicle Information - 2/3/2014 3:21:04 AM			
Satellite Radio 12 Volts	N/A		
Satellite Radio Ground	N/A		
Satellite Radio Ignition	N/A		
Satellite Radio Antenna	N/A		
Satellite Audio Left (+/-)	N/A		
Satellite Audio Right (+/-)	N/A		

What Fits

Item	Size	Depth	Location
Headunit	double DIN		center of dash
Left Front Speaker	6.5		left front dash
Left Front Tweeter	0.75		left front dash
Right Front Speaker	6.5		right front dash
Right Front Tweeter	0.75		right front dash
Left Rear Speaker	6.5		left rear roof
Left Rear Tweeter	N/A		
Right Rear Speaker	6.5		right rear roof
Right Rear Tweeter	N/A		
Center Channel	N/A		
Subwoofer	8		right rear quarter panel
Left Front Headrest			
Right Front Headrest			
Left Right Headrest			
Right Rear Headrest			
Satellite Radio Tuner	(built into radio)		

Additional Wiring Notes

Item	Note
Right Front Speaker (+/-)	On models with amplifier, the speaker wires are dk. green/purple - dk. green/yellow at the amplifier under driver dash, black 16 pin plug, pins 7 and 15. The tweeter wires are gray/dk. green - gray/lt. green at the amplifier, white 22 pin plug, pins 19 and 8.
Left Front Speaker (+/-)	On models with amplifier, the speaker wires are gray/purple - gray/yellow at the amplifier under driver dash, black 16 pin plug, pins 8 and 16. The tweeter wires are gray/orange - gray/yellow at the amplifier, white 22 pin plug, pins 20 and 9.
Left Rear Speaker (+/-)	On models with amplifier, the speaker wires are gray/lt. green - gray/dk. green at the amplifier under driver dash, black 16 pin plug, pins 13 and 5.
Right Rear Speaker (+/-)	On models with amplifier, the speaker wires are dk. green/lt. green - dk. green/gray at the amplifier under driver dash, black 16 pin plug, pins 4 and 12.
Can Bus Low	The CAN IHS bus low is white/orange at the instrument cluster, brown 20 pin plug, pin 15.
Can Bus High	The CAN IHS bus high is white/gray at the instrument cluster, brown 20 pin plug, pin 16.
Clutch Pedal	May need to interrupt dk. green/orange, pin 1 of the clutch switch during remote start to avoid check engine light.