

2011 Jeep Wrangler - North America

**Wiring Information**

Item	Wire Color	Polarity	Wire Location
12 Volts	yellow/red (30A) (with amplifier); red (without amplifier)	+	amplifier under driver dash; battery or underhood fuse box
Second 12 Volts	lt. blue/red (10A only)	+	ignition switch, black 5 pin plug, pin 5
Ground	(chassis ground)		
Starter	yellow/gray (for starter kill only)	+	starter or underhood fuse box, blue 26 pin plug, pin 8
Second Starter	violet/brown (use interface module or Tech Doc 1084)	- 180 ohms	ignition switch, black 5 pin plug, pin 2
Ignition	pink/white	+	Sentry Key Module on ignition switch, black 8 pin plug, pin 3 or ignition switch, black 5 pin plug, pin 3
Accessory	(same as second starter)	- 560 ohms	
MUX Ignition	violet/brown	- resistor	Sentry Key Module on ignition switch, black 8 pin plug, pin 1 or ignition switch, black 5 pin plug, pin 2
Keysense	(same as second starter)	- 8500 ohms	
CAN Bus High	white/black (CAN C bus)	data	Sentry Key Module on ignition switch, black 8 pin plug, pin 6
CAN Bus Low	white/lt. blue (CAN C bus)	data	Sentry Key Module on ignition switch, black 8 pin plug, pin 7
CAN Bus High 2	white/lt. blue (Diagnostic CAN C)	data	OBD-data link connector, black 16 pin plug, pin 6
CAN Bus Low 2	white/dk. blue (Diagnostic CAN C)	data	OBD-data link connector, black 16 pin plug, pin 14
CAN Bus High 3	white/gray (CAN IHS bus)	data	instrument cluster, brown 20 pin plug, pin 16
CAN Bus Low 3	white/orange (CAN IHS bus)	data	instrument cluster, brown 20 pin plug, pin 15
Power Lock	violet/lt. green	-1000 ohms	driver kick, door harness, black 14 pin plug, pin 5
Power Unlock	(same as power lock)	- 180 ohms	
Lock Motor	tan/white	5 wire	driver kick, door harness, black 14 pin plug, pin 8
Driver Unlock Motor	tan/lt. green	5 wire	driver kick, door harness, black 14 pin plug, pin 1
Passenger Unlock Motor	tan/brown	5 wire	passenger kick, door harness, black 14 pin plug, pin 8

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Item	Wire Color	Polarity	Wire Location
Factory Alarm Arm	(arms on lock with door open)		
Factory Alarm Disarm	(see disarm no unlock)		
Disarm No Unlock	(Sentry Key, ignition, and keysense)		
Parking Lights (+)	white/orange (L); white/violet (R)	+	driver running board, harness from under driver seat
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)
Headlight	white/dk. blue (L); white/tan (R)	+	headlights or underhood fuse box, green 26 pin plug, pins 3, 11
Reverse Light	white/gray	+	passenger kick, harness to rear
Left Front Door Trigger	violet	-	driver kick, door harness, black 14 pin plug, pin 4
Right Front Door Trigger	violet/white	-	passenger kick, door harness, blk 14 pin plg, pin4
Left Rear Door Trigger	violet/gray	-	passenger kick, harness to rear
Right Rear Door Trigger	violet/yellow	-	passenger kick, harness to rear
Dome Light	yellow/white	+	underdash light or passenger kick, harness to rear
Trunk/Hatch Pin	violet/orange	-	passenger kick, harness to rear
Hood Pin	violet/lt. blue	-	hood switch or underhood fuse box, gray 16 pin plug, pin 3
Trunk Release Motor	lt. green/white (unlock only)	5 wire	passenger kick, harness to rear
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
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

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Item	Wire Color	Polarity	Wire Location
Mirror Defroster	(same as rear defroster)		
Left Front Heated Seat	(LIN bus)		
Right Front Heated Seat	(LIN bus)		
Speed Sense	dk. green/brown	ac	PCM on driver fender, plug towards passenger side, pin 32
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. blu or brown/wht (LO); brown/orange (HI)	+	wiper motor or underhood fuse box, brown 40 pin plug, pins 12, 11
Left Front Window (Up/Down)	lt. blue - white	A	front power window switch, black 14 pin plug, pins 14 - 13
Right Front Window (Up/Down)	brown/lt. blue - violet/white	A	front power window switch, black 14 pin plug, pins 7 - 3
Left Rear Window (Up/Down)	orange/white - orange/gray	A	front power window switch, black 14 pin plug, pins 8 - 9
Right Rear Window (Up/Down)	orange/lt. blue - orange/dk. blue	A	front power window switch, black 14 pin plug, pins 1 - 2
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)		
Left Front Speaker (+/-)	gray/violet - gray/yellow	+,-	radio, gray 22 pin plug, pins 21 - 22
Right Front Speaker (+/-)	dk. green/violet - dk. green/yellow	+,-	radio, gray 22 pin plug, pins 19 - 20
Left Rear Speaker (+/-)	gray/lt. green - gray/dk. green	+,-	radio, gray 22 pin plug, pins 8 - 9
Right Rear Speaker (+/-)	dk. green/lt. green - dk. green/gray	+,-	radio, gray 22 pin plug, pins 10 - 11
Subwoofer (+/-)	gry/brn - dk grn/brn (1); gry/wht - dk grn/wht (2)	+,-	amplifier under driver dash, black 16 pin plug, pins 14 - 6; 3 - 11

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Item	Wire Color	Polarity	Wire Location
Satellite Radio 12 Volts	(built into radio)		

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**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
Right Rear Speaker	6.5		right rear roof
Subwoofer	8		right rear quarter panel
Satellite Radio Tuner	(built into radio)		

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**Additional Wiring Notes**

Item	Note
Clutch Pedal	May need to interrupt dk. green/orange, pin 1 of the clutch switch during remote start to avoid check engine light.
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 - 16. The tweeter wires are gray/orange - gray/yellow at the amplifier, white 22 pin plug, pins 20 - 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 - 5.
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 - 15. The tweeter wires are gray/dk. green - gray/lt. green at the amplifier, white 22 pin plug, pins 19 - 8.
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 - 12.