

2011 Dodge RAM



Wiring Information

Item	Wire Color	Polarity	Wire Location
12 Volts	yellow/red (30A)	+	junction connector above driver kick, black 43 pin plug, pin 3
Second 12 Volts	lt. blue/red (10A)	+	Wireless Ign Node on ign sw, blk 12 pin plg, pin 1
Starter	yellow/gray (for starter kill only)	+	gry plug next to TIPM or TIPM on dr fender, blue 26 pin plug, pin 8
Second Starter	N/A		
Ignition	pink/white or pink/tan (for ignition sense only)	+	Wireless Ignition Node on ignition switch, black 12 pin plug, pin 3
Second Ignition	N/A		
Third Ignition	N/A		
Accessory	dk. blue/pink (for accessory sense only)	+	cigar lighter, gray 3 pin plug, pin 1
Second Accessory	N/A		
Third Accessory	N/A		
Key Sense	N/A		
Data Bus	N/A		
Can Bus High	white/lt. green (CAN C bus)	data	Wireless Ignition Node on ignition switch, black 12 pin plug, pin 5
Can Bus Low	white/lt. blue (CAN C bus)	data	Wireless Ignition Node on ignition switch, black 12 pin plug, pin 6
Can Bus Sw	N/A		
Power Lock	purple/lt. green	- 330 ohms	passenger door lock switch, green 10 pin plug, pin 8
Power Unlock	same as power lock	- 100 ohms	
Lock Motor	tan/white	5 wire	driver kick, door harness
Unlock Motor	tan/lt. green	5 wire	driver kick, door harness
Disarm Defeat	tan/brown	5 wire	driver kick, harness to rear
Parking Lights (+)	white/lt. green (L); white/tan (R)	+	TIPM on dr fender, brn 40 pin plg, pin 19; blk/red 50 pin plug, pin 6
Parking Lights (-)	white	-1000 ohms	headlight switch, black 10 pin plug, pin 1
Hazards	white/brown	-	hazard switch, black 12 pin plug, pin 4
Turn Signal (Left)	white/lt. blue (F); white/dk. green (R)	+	TIPM on dr fender, gry 16 pin plg, pin 9; blk/red 50 pin plug, pin 49
Turn Signal (Right)	white (F); white/yellow (R)	+	TIPM on dr fender, gry 16 pin plg, pin 7; blk/red 50 pin plug, pin 50

Wiring Information (Continued)

Item	Wire Color	Polarity	Wire Location
Headlight	white	- 660 ohms	headlight switch, black 10 pin plug, pin 1
AutoLights	same as headlight	- resistor	
Reverse Light	white/red	+	TIPM on driver fender, brown 40 pin plug, pin 15
Left Front Door Trigger	purple	-	driver kick, door harness
Right Front Door Trigger	purple/white	-	driver kick, harness to rear
Left Rear Door Trigger	purple/gray	-	driver kick, harness to rear
Right Rear Door Trigger	purple/yellow	-	driver kick, harness to rear
Dome Supervision	yellow/white	+	driver A pillar or instrument cluster, black 10 pin plug, pin 5
Trunk/Hatch Pin	N/A		
Rear Glass Pin	N/A		
Hood Pin	purple/lt. blue	-	hood switch or TIPM on driver fender, gray 16 pin plug, pin 3
Trunk Hatch/Release	N/A		
Trunk Release Motor	N/A		
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 and ignition		
Trunk Alarm Shunt	N/A		
Tachometer	NOT brown/white (gas models)	ac	any fuel injector
Wait to Start	N/A		
Neutral Safety	N/A		
Clutch Pedal	yellow/dk. blue	-	clutch switch, 2 pin plug, pin 1
Fuel Pump	dk. blue/orange	+	TIPM on driver fender, brown 40 pin plug, pin 10
Rear Defroster	black	5 wire	driver kick, harness to rear
Mirror Defroster	(CAN IHS bus)		
Left Front Heated Seat	(LIN bus)		
Right Front Heated Seat	(LIN bus)		

Wiring Information (Continued)

Item	Wire Color	Polarity	Wire Location
Speed Sense	dk. green/brown (gas models)	ac	PCM on passenger firewall, plug towards driver side, pin 32
Brake Wire	white	+	brake switch or Wireless Ign Node on ign sw, black 12 pin plug, pin 8
Parking Brake	dk. green/white	-	parking brake switch, black 1 pin plug, pin 1
Horn Trigger	dk. green/purple (without EVIC only)	-	horn switch, white 6 pin plug, pin 3
Wipers	brown/white (L), brown/orange (H)	+	wiper motor or TIPM on dr fender, brown 40 pin plug, pins 12 and 11
Left Front Window (Up/Down)	orange/lt. green - orange/white (use 529T only)	A	Driver Door Module, red 5 pin plug, pins 4 and 5
Right Front Window (Up/Down)	orange/brown - orange/purple (use 529T only)	A	Passenger Door Module, red 5 pin plug, pins 4 and 5
Left Rear Window (Up/Down)	orange/white - orange/gray	A	driver kick, door harness
Right Rear Window (Up/Down)	orange/lt. blue - orange/dk. blue	A	driver kick, door harness
Sun Roof (Open/Close)	org/tan - org/lt. blue (function with ign on only)	+	sunroof switch, black 4 pin plug, pins 4 and 3
Sun Roof (Limit/Close)	N/A		
Memory Seat 1	purple/brown	- resistor	memory switch or driver kick, harness to rear
Memory Seat 2	same as memory seat 1	- resistor	
Memory Seat 3	N/A		
Radio 12V	yellow/red	+	radio, gray 22 pin plug, pin 1
Radio Ground	black/orange	-	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 (+/-)	gray - gray/orange	+,-	amplifier under driver dash, black 16 pin plug, pins 3 and 11
Subwoofer (+/-)	gry/brn - dk grn/brn (1); gry/wht - dk grn/wht (2)	+,-	amplifier, blk 16 pin plug, pins 14, 6; wht 22 pin plug, pins 11, 22
Aux. Audio Input Left (+/-)	white - tan (Uconnect audio)	+,-	radio, gray 22 pin plug, pins 16 and 15
Aux. Audio Input Right (+/-)	red - tan (Uconnect audio)	+,-	radio, gray 22 pin plug, pins 17 and 15
RSE Video (+/-)	gry/brn - gry/pnk (1); gry/lt. blu - gry/yel (2)	+,-	radio, white 22 pin plug, pins 6 and 7; 9 and 10

DirectWire Vehicle Information - 1/22/2014 12:15:32 AM			
RSE Audio Left (+/-)	see notes		
RSE Audio Right (+/-)	see RSE audio left notes		
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		

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.

What Fits

Item	Size	Depth	Location
Headunit	double DIN		center of dash
Left Front Speaker	6 x 9		left front door
Left Front Tweeter	3.5		left front dash
Right Front Speaker	6 x 9		right front door
Right Front Tweeter	3.5		right front dash
Left Rear Speaker	5.25 or 6 x 9		left rear door or left rear pillar
Left Rear Tweeter			left rear roof
Right Rear Speaker	5.25 or 6 x 9		right rear door or right rear pillar
Right Rear Tweeter			right rear roof
Center Channel	2.5		top center of dash
Subwoofer	10		behind center of rear seat
Left Front Headrest			
Right Front Headrest			
Left Right Headrest			
Right Rear Headrest			
Satellite Radio Tuner	(built into radio)		

Additional Wiring Notes

Item	Note
RSE Video (+/-)	The rear view camera wires are dk. green/brown - dk. green/orange at the radio, white 22 pin plug, pins 3 and 4.
Can Bus High	The CAN IHS bus high is white/gray in the driver kick, door harness.
Can Bus Low	The CAN IHS bus low is white/orange in the driver kick, door harness.
Left Front Speaker (+/-)	If equipped, the amplifier is under the driver dash. On vehicles with amplifier, the speaker wires are gray/purple - gray/yellow at the amplifier, black 16 pin plug, pins 8 and 16. The tweeter wires are gray - gray/yellow at the amplifier, white 22 pin plug, pins 20 and 9.
Right Front Speaker (+/-)	If equipped, the amplifier is under the driver dash. On vehicles with amplifier, the speaker wires are dk. green/purple - dk. green/yellow at the amplifier, 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 Rear Speaker (+/-)	If equipped, the amplifier is under the driver dash. On vehicles with amplifier, the speaker wires are gray/lt. green - gray/dk. green at the amplifier, black 16 pin plug, pins 13 and 5. The tweeter wires are dk. green/tan - dk. green/lt. blue at the amplifier, white 22 pin plug, pins 10 and 21.
Right Rear Speaker (+/-)	If equipped, the amplifier is under the driver dash. On vehicles with amplifier, the speaker wires are dk. green/lt. green - dk. green/gray at the amplifier, black 16 pin plug, pins 4 and 12. The tweeter wires are dk. green - yellow/gray at the amplifier, black 16 pin plug, pins 10 and 2.
Subwoofer (+/-)	If equipped, the amplifier is under the driver dash.
Speed Sense	On diesel A/T models, it is dk. green/brown at the PCM, rearward 76 pin plug, pin 69. The PCM (Powertrain Control Module) is on the lower driver front of the engine.
Horn Trigger	On vehicles with EVIC, use gray/lt. blue or gray/yellow (5 wire) at the horns or the TIPM on the driver fender, green 26 pin plug, pin 24 or 18.
RSE Audio Left (+/-)	Audio 1: dk. green/tan (left), dk. green/white (right), gray/purple (common) at radio, white 22 pin plug, pins 18, 20, and 19. Audio 2: dk. green/lt. blue (left), dk. green/dk. blue (right), gray/orange (common) at radio, white 22 pin plug, pins 21, 22, and 12. Audio 3: dk. green/purple (left), dk. green/yellow (right), gray/dk. blue (common) at radio, white 22 pin plug, pins 13, 14, and 1.
Tachometer	On diesel models, use dk. blue/gray at the PCM, forward gray 76 pin plug, pin 51, or at the camshaft position sensor, forward of the PCM, 3 pin plug, pin 3. The PCM (Powertrain Control Module) is on the lower driver front of the engine.