

2016 Dodge/Ram GrandCaravan - Requested by: empire.de



<http://www.directechs.com>

Wiring Information

Item	Wire Color	Polarity	Wire Location
12 Volts	yellow/red (30A)	+	junction connector behind parking brake, black 43 pin plug, pin 3
Second 12 Volts	lt. blue/red (10A)	+	Wireless Ignition Node on ignition switch, black 12 pin plug, pin 1
Ground	(chassis ground)		
Starter	yellow/gray (for starter kill only)	+	starter or TIPM/underhood fuse box, blue 26 pin plug (C2), pin 8
Ignition	pink/white (for ignition sense only)	+	Wireless Ignition Node on ignition switch, black 12 pin plug, pin 3
Accessory	dk. blue/pink (for accessory sense only)	+	cigar lighter
Data Bus	(INTERFACE MODULE IS REQUIRED FOR REMOTE START)		
CAN Bus High	white/lt. blue (CAN C BUS)	data	Wireless Ignition Node on ignition switch, black 12 pin plug, pin 5
CAN Bus Low	white/brown (CAN C BUS)	data	Wireless Ignition Node on ignition switch, black 12 pin plug, pin 6
CAN Bus High 3	white/gray (CAN IHS BUS)	data	driver kick, harness to rear
CAN Bus Low 3	white/orange (CAN IHS BUS)	data	driver kick, harness to rear
Power Lock	violet/dk. green (base models)	- 330 ohms	driver kick, door harness
Power Unlock	(same as power lock)	- 100 ohms	
Lock Motor	tan/white	5 wire	driver kick, door harness
Driver Unlock Motor	tan/lt. green	5 wire	driver kick, door harness
Passenger Unlock Motor	tan/brown	5 wire	driver kick, harness to rear
Factory Alarm Arm	(factory remote only)		
Factory Alarm Disarm	(see disarm no unlock)		
Disarm No Unlock	(Sentry Key and ignition)		
Parking Lights	white/violet	+	driver kick, harness to rear
Parking Lights -	white/lt. green (see Tech Doc 1082)	-1130 or -3300 ohms	headlight switch, black 6 pin plug, pin 3
Hazards	white/dk. blue	-	hazard switch, black 12 pin plug, pin 1

2016 Dodge/Ram GrandCaravan - Requested by: ampire.de



<http://www.directechs.com>

Item	Wire Color	Polarity	Wire Location
Turn Signal (Left)	white/lt. green (F); white/dk. green (R)	+	TIPM/underhood fuse box, gray 16 pin plug (C4), pin 16; black 50 pin plug (C7), pin 49
Turn Signal (Right)	white/tan (F); white/yellow (R)	+	TIPM/underhood fuse box, gray 16 pin plug (C4), pin 11; black 50 pin plug (C7), pin 50
Headlight	white/lt. green (need to relay isolate from switch)	- 660 ohms	headlight switch, black 6 pin plug, pin 3
AutoLights	(same as headlight)		
Reverse Light	white/lt. green	+	driver kick, harness to rear
Left Front Door Trigger	violet	-	driver kick, door harness
Right Front Door Trigger	violet/white	-	driver kick, harness to rear
Left Rear Door Trigger	violet/gray	-	driver kick, harness to rear
Right Rear Door Trigger	violet/yellow	-	driver kick, harness to rear
Dome Light	yellow/violet	+	passenger A pillar or instrument cluster, black 10 pin plug, pin 2
Trunk/Hatch Pin	violet	-	driver kick, harness to rear
Hood Pin	violet/lt. blue	-	hood switch or TIPM/underhood fuse box, gray 16 pin plug (C4), pin 3
Trunk/Hatch Release	violet/tan (power liftgate)	-4700 ohms	switch or Power Liftgate Module in LR quarter panel, gray 22 pin plug, pin 14
Power Sliding Door (Left)	violet/dk. green (B pillar switch)	- resistor	driver kick, harness to rear
Power Sliding Door (Right)	violet/yellow (B pillar switch)	- resistor	driver kick, harness to rear
Tachometer	brn/yel, brn/dk. blu, brn/lt. blu, brn/tan, brn/org, or brn/pur	ac	any fuel injector, black 2 pin plug, pin 2
Fuel Pump	dk. blue/orange	+	driver kick, harness to rear
Rear Defroster	dk. blue/white	+ latched	driver kick, harness to rear
Mirror Defroster	(CAN IHS BUS)		
Left Front Heated Seat	(CAN IHS BUS)		

2016 Dodge/Ram GrandCaravan - Requested by: ampire.de



<http://www.directechs.com>

Item	Wire Color	Polarity	Wire Location
Right Front Heated Seat	(CAN IHS BUS)		
Speed Sense	dk. green/brown	ac	PCM on driver side of engine, white 96 pin plug, pin 34
Brake Wire	white/dk. green	+	brake switch or Wireless Ignition Node on ignition switch, black 12 pin plug, pin 8
Parking Brake	dk. green/white	-	parking brake switch, black 1 pin plug, pin 1
Horn Trigger	gray/lt. blue (1); gray/yellow (2)	+	TIPM/underhood fuse box, green 26 pin plug (C3), pins 24, 18
Wipers	brown/white (LO); brown/orange (HI)	+	TIPM/underhood fuse box, brown 40 pin plug (C5), pins 12, 11
Left Front Window (Up/Down)	orange/lt. green - orange/white (base models)	A	driver window switch, 14 pin plug, pins 10 - 9
Right Front Window (Up/Down)	orange/tan - orange/gray (base models)	A	driver kick, door harness
Left Rear Window (Up/Down)	orange/white - orange/gray (base models)	A	driver kick, door harness
Right Rear Window (Up/Down)	orange/lt. blue - orange/dk. blue (base models)	A	driver kick, door harness
Sun Roof (Open/Close)	orange/tan - orange/lt. blue (function with ignition on only)	+	sunroof switch, black 4 pin plug, pins 4 - 3
Memory Seat 1	violet/brown	- resistor	memory switch or Driver Door Module, black 10 pin plug, pin 6
Memory Seat 2	(same as memory seat 1)	- resistor	
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	gray/orange	+	radio, gray 22 pin plug, pin 7
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 (+/-)	dk. green/tan - dk. green/gray	+,-	radio, gray 22 pin plug, pins 8 - 9

2016 Dodge/Ram GrandCaravan - Requested by: ampire.de



<http://www.directechs.com>

Item	Wire Color	Polarity	Wire Location
Right Rear Speaker (+/-)	dk. green/brown - yellow/gray	+,-	radio, gray 22 pin plug, pins 10 - 11
Center Channel (+/-)	gray/brown - gray/orange	+,-	amplifier in LR quarter panel, white 22 pin plug, pins 11 - 22
Subwoofer (+/-)	gray/brown - dk. green/brown (1); gray/white - dk. green/white (2)	+,-	amplifier in LR quarter panel, black 16 pin plug, pins 14 - 6; 3 - 11
Aux. Audio Input Left (+/-)	gray/lt. green - gray/dk. green	+,-	auxiliary AV port, white 8 pin plug, pins 1 - 3
Aux. Audio Input Right (+/-)	dk. green/lt. blue - gray/dk. green	+,-	auxiliary AV port, white 8 pin plug, pins 2 - 3
RSE Video (+/-)	gray/orange - gray/lt. blue (1); gray/orange - gray/lt. blue (2)	+,-	radio, white 22 pin plug, pins 6 - 7; 9 - 10
RSE Audio Left (+/-)	(see notes)		
RSE Audio Right (+/-)	(see RSE audio left)		
Satellite Radio 12 Volts	(built into radio)		



<http://www.directechs.com>

What Fits

Item	Size	Depth	Location
Headunit	double DIN		center of dash
Left Front Speaker	6 x 9		left front door
Left Front Tweeter	2.5 or 3.5		left front dash
Right Front Speaker	6 x 9		right front door
Right Front Tweeter	2.5 or 3.5		right front dash
Left Rear Speaker	6 x 9		left rear quarter panel
Left Rear Tweeter	2.5		left rear pillar
Right Rear Speaker	6 x 9		right rear quarter panel
Right Rear Tweeter	2.5		right rear pillar
Center Channel	3.5		top center of dash
Subwoofer	8		left rear quarter panel
Satellite Radio Tuner	(built into radio)		

2016 Dodge/Ram GrandCaravan - Requested by: ampire.de



<http://www.directechs.com>

Additional Wiring Notes

Item	Note
Left Front Speaker (+/-)	On vehicles with amplifier, the door speaker wires are gray/purple - gray/yellow at the amplifier in LR quarter panel, black 16 pin plug, pins 8 - 16. The dash speaker wires are gray/orange - gray/yellow at the amplifier, white 22 pin plug, pins 20 - 9.
Left Front Window (Up/Down)	Except base models, use orange/lt. green - orange/white at the Driver Door Module, red 5 pin plug, pins 4 - 5.
Left Rear Speaker (+/-)	On vehicles with amplifier, the quarter panel speaker wires are dk. green/tan - dk. green/gray at the amplifier in LR quarter panel, black 16 pin plug, pins 13 - 5. The rear pillar speaker wires are dk. green/dk. blue - dk. green/tan at the amplifier, white 22 pin plug, pins 10 - 21.
Left Rear Window (Up/Down)	Except base models, use tan/yellow - tan/lt. blue at the Left Rear Door Module, lt. gray 10 pin plug, pins 10 - 9.
Power Lock	Except base models, use lt. green/white at the passenger door lock switch or the Passenger Door Module, black 10 pin plug, pin 4.
Right Front Speaker (+/-)	On vehicles with amplifier, the door speaker wires are dk. green/purple - dk. green/yellow at the amplifier in LR quarter panel, black 16 pin plug, pins 7 - 15. The dash speaker wires are gray/dk. green - gray/lt. green at the amplifier, white 22 pin plug, pins 19 - 8.
Right Front Window (Up/Down)	Except base models, use orange/brown - orange/purple at the Passenger Door Module, red 5 pin plug, pins 4 - 5.
Right Rear Speaker (+/-)	On vehicles with amplifier, the quarter panel speaker wires are dk. green/brown - yellow/gray at the amplifier in LR quarter panel, black 16 pin plug, pins 4 - 12. The rear pillar speaker wires are gray/dk. blue - gray/tan at the amplifier, black 16 pin plug, pins 10 - 2.
Right Rear Window (Up/Down)	Except base models, use orange/brown - orange/purple at the Right Rear Door Module, lt. gray 10 pin plug, pins 10 - 9.
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, 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, 12. Audio 3: dk. green/purple (left), dk. green/yellow (right), gray/lt. blue (common) at radio, white 22 pin plug, pins 13, 14, 1.