

## 2008 Dodge RAM

### Wiring Information

Item	Wire Color	Polarity	Wire Location
<b>12 Volts</b>	red	+	battery or TIPM
<b>Second 12 Volts</b>	lt. blue/red (2A) (for reference only, do not use)	+	ignition switch, black 6 pin plug, pin 6
<b>Starter</b>	yellow/gray (not for remote start)	+	starter or near battery, gray plug
<b>Second Starter</b>	purple/brown	- 180 ohms	ignition switch, black 6 pin plug, pin 2
<b>Ignition</b>	pink/white	+	ignition switch, black 6 pin plug, pin 3
<b>Second Ignition</b>	N/A		
<b>Third Ignition</b>	N/A		
<b>Accessory</b>	same as second starter	- 610 ohms	
<b>Second Accessory</b>	N/A		
<b>Third Accessory</b>	N/A		
<b>Key Sense</b>	same as second starter	-8.5K ohms	
<b>Data Bus</b>	N/A		
<b>Can Bus High</b>	white/orange	data	SKREEM, black 8 pin plug, pin 6
<b>Can Bus Low</b>	white	data	SKREEM, black 8 pin plug, pin 7
<b>Can Bus Sw</b>	N/A		
<b>Power Lock</b>	purple/dk. green	- 820 ohms	driver kick or instrument cluster, gray 16 pin plug, pin 3
<b>Power Unlock</b>	same as power lock	- 330 ohms	
<b>Lock Motor</b>	lt. green	5 wire	driver kick or instrument cluster, white 26 pin plug, pin 10
<b>Unlock Motor</b>	tan/lt. green	5 wire	driver kick or instrument cluster, white 26 pin plug, pin 1
<b>Disarm Defeat</b>	purple/lt. blue	5 wire	passenger kick or instrument cluster, white 26 pin plug, pin 24
<b>Parking Lights (+)</b>	white/yellow (L), white/gray (R)	+	harness at top of driver fender
<b>Parking Lights (-)</b>	white/lt. green	-1.13Kohms	headlight switch or instrument cluster, gray 16 pin plug, pin 5
<b>Hazards</b>	white/orange	- 120 ohms	hazard switch or instrument cluster, gray 16 pin plug, pin 8
<b>Turn Signal (Left)</b>	white/lt. green (F), white/dk. green (R)	+	harness at top of driver fender
<b>Turn Signal (Right)</b>	white/tan (F), white/yellow (R)	+	harness at top of driver fender

## Wiring Information (Continued)

Item	Wire Color	Polarity	Wire Location
<b>Headlight</b>	white/lt. green	- 660 ohms	headlight switch or instrument cluster, gray 16 pin plug, pin 5
<b>AutoLights</b>	N/A		
<b>Reverse Light</b>	white/lt. green	+	harness at top of driver fender
<b>Left Front Door Trigger</b>	purple	-	dr kick or instr cluster, gray 26 pin plug, pin 1
<b>Right Front Door Trigger</b>	purple/white	-	pass kick or instr cluster, gry 26 pin plg, pin 4
<b>Left Rear Door Trigger</b>	purple/gray	-	dr kick or instr cluster, gray 26 pin plug, pin 2
<b>Right Rear Door Trigger</b>	purple/yellow	-	pass kick or instr cluster, gry 26 pin plg, pin 3
<b>Dome Supervision</b>	yellow/lt. blue	+	A pillar or instrument cluster, white 26 pin plug, pin 21
<b>Trunk/Hatch Pin</b>	N/A		
<b>Rear Glass Pin</b>	N/A		
<b>Hood Pin</b>	purple/lt. blue	-	hood pin switch
<b>Trunk Hatch/Release</b>	N/A		
<b>Trunk Release Motor</b>	N/A		
<b>Fuel Door Release</b>	N/A		
<b>Power Sliding Door (Left)</b>	N/A		
<b>Power Sliding Door (Right)</b>	N/A		
<b>Factory Alarm Arm</b>	arms on lock with door open		
<b>Factory Alarm Disarm</b>	factory remote only		
<b>Disarm No Unlock</b>	Sentry Key, ignition, and keysense		
<b>Trunk Alarm Shunt</b>	N/A		
<b>Tachometer</b>	dk. blue/gray	ac	PCM, second plug down from top, pin 34
<b>Wait to Start</b>	see Tech Doc 1091		
<b>Neutral Safety</b>	N/A		
<b>Clutch Pedal</b>	black (in), yellow/dk. blue (out)	- N.O.	clutch pedal switch
<b>Fuel Pump</b>	orange/red (gas), brown (diesel)	+	TIPM, gry 22 pin plg, pin 18; gry 14 pin plg, pin4
<b>Rear Defroster</b>	black or dk. blue/white	+ latched	driver kick, harness to rear
<b>Mirror Defroster</b>	dk. blue/gray	+ latched	driver kick, harness to rear
<b>Left Front Heated Seat</b>	lt. green/white	5 wire	left heated seat switch, gray 6 pin plug, pin 3
<b>Right Front Heated Seat</b>	lt. green/white	5 wire	right heated seat switch, green 6 pin plug, pin 3

*Wiring Information (Continued)*

Item	Wire Color	Polarity	Wire Location
<b>Speed Sense</b>	dk. green/brown	ac	PCM, bottom plug, pin 32
<b>Brake Wire</b>	white/tan	+	brake pedal switch
<b>Parking Brake</b>	dk. green/white	-	parking brake switch or instrument cluster, gray 26 pin plug, pin 22
<b>Horn Trigger</b>	dk. green/purple	-	horn switch or instrument cluster, gray 26 pin plug, pin 14
<b>Wipers</b>	brown/white (L), brown/orange (H)	+	windshield wiper motor
<b>Left Front Window (Up/Down)</b>	orange/lt. green - orange/white	A	driver window switch in door
<b>Right Front Window (Up/Down)</b>	orange/tan - orange/gray	A	driver kick, door harness
<b>Left Rear Window (Up/Down)</b>	orange/white - orange/gray	A	driver kick, door harness
<b>Right Rear Window (Up/Down)</b>	orange/dk. blue -orange/lt. blue	A	driver kick, door harness
<b>Sun Roof (Open/Close)</b>	motor part of module		
<b>Sun Roof (Limit/Close)</b>	N/A		
<b>Memory Seat 1</b>	N/A		
<b>Memory Seat 2</b>	N/A		
<b>Memory Seat 3</b>	N/A		
<b>Radio 12V</b>	gray/red	+	radio, black 22 pin plug, pins 1 and 12
<b>Radio Ground</b>	black/lt. green and black	-	radio, black 22 pin plug, pins 11 and 22
<b>Radio Ignition</b>	(CAN BUS)		
<b>Radio Illumination</b>	(CAN BUS)		
<b>Factory Amp Turn-on</b>	(CAN BUS)		
<b>Power Antenna</b>	N/A		
<b>Left Front Speaker (+/-)</b>	dk. green/yellow - dk. green/lt. blue	+,-	radio, black 22 pin plug, pins 10 and 9
<b>Right Front Speaker (+/-)</b>	gray/yellow - gray/lt. blue	+,-	radio, black 22 pin plug, pins 7 and 8
<b>Left Rear Speaker (+/-)</b>	gray/lt. green - gray/dk. green	+,-	radio, black 22 pin plug, pins 18 and 19
<b>Right Rear Speaker (+/-)</b>	dk. green/lt. green - dk. green/gray	+,-	radio, black 22 pin plug, pins 21 and 20
<b>Center Channel (+/-)</b>	gray/brown - gray/orange	+,-	amplifier, white 20 pin plug, pins 3 and 12
<b>Subwoofer (+/-)</b>	N/A		
<b>Aux. Audio Input Left (+/-)</b>			
<b>Aux. Audio Input Right (+/-)</b>			
<b>RSE Video (+/-)</b>			
<b>RSE Audio Left (+/-)</b>			
<b>RSE Audio Right (+/-)</b>			
<b>Satellite Radio 12 Volts</b>	gray/red	+	Satellite Receiver, black 12 pin plug, pin 6
<b>Satellite Radio Ground</b>	black	-	Satellite Receiver, black 12 pin plug, pin 4
<b>Satellite Radio Ignition</b>	(CAN BUS)		
<b>Satellite Radio Antenna</b>	(coaxial cable)		

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Satellite Audio Left (+/-)	dk. green/orange - dk. green (common)	+, -	Satellite Receiver, black 12 pin plug, pins 1, 8
Satellite Audio Right (+/-)	dk. green/yellow - dk. green (common)	+,-	Satellite Receiver, black 12 pin plug, pins 7, 8

*What Fits*

Item	Size	Depth	Location
Headunit	double DIN		center of dash
Left Front Speaker	6 x 9		left front door
Left Front Tweeter			left front dash
Right Front Speaker	6 x 9		right front door
Right Front Tweeter			right front dash
Left Rear Speaker	5.25		left rear door or side panel
Left Rear Tweeter	N/A		
Right Rear Speaker	5.25		right rear door or side panel
Right Rear Tweeter	N/A		
Center Channel			top center of dash
Subwoofer	N/A		
Left Front Headrest			
Right Front Headrest			
Left Right Headrest			
Right Rear Headrest			
Satellite Radio Tuner			behind glove box

*Smart Starter Kill Relay*

Relay Type:	n/a
Part #:	n/a
OE Relay Part #:	
Location:	n/a

<b>Notes:</b>
n/a

<b>Alternate Part Notes:</b>
n/a

*Immobilizer Bypass Module*

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<b>Required:</b>	<b>Yes</b>
<b>Type:</b>	<b>Sentry Key</b>
<b>Part #:</b>	<b>PKU-CH2X</b>
<b>Alternate Part #'s:</b>	<b>20402, 29402, 556CW, 556UW</b>

<b>Notes:</b>
<b>Standard on all models.</b>

*Combo Interface Module*

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<b>Required:</b>	<b>No</b>
<b>Type:</b>	<b>Data Bus</b>
<b>Part #:</b>	<b>XK532</b>
<b>Alternate Part #'s:</b>	<b>IOM-Chrysler-7</b>

<b>Notes:</b>
<b>For wire colors see Data Bus. See DirectFax document 1907 for additional wiring information. When using the combo module it is not necessary to use doc 1084. That part takes care of 2nd starter and accessory, locks, and bypass.</b>

*Door Lock Interface Module*

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<b>Required:</b>	<b>No</b>
<b>Type:</b>	<b>Data Bus</b>
<b>Part #:</b>	<b>XK03</b>
<b>Alternate Part #'s:</b>	<b>456LW</b>

<b>Notes:</b>
<b>For wire colors see Data Bus.</b>

*Additional Wiring Notes*

Item	Note
<b>Fuel Pump</b>	The TIPM (Totally Integrated Power Module) is in the engine compartment, on the driver fender.
<b>12 Volts</b>	The TIPM (Totally Integrated Power Module) is in the engine compartment, on the driver fender.
<b>Satellite Radio 12 Volts</b>	If equipped, the Satellite Receiver is behind the glove box.
<b>Center Channel (+/-)</b>	If equipped, the amplifier is behind the glove box.
<b>Left Rear Speaker (+/-)</b>	If equipped, the amplifier is behind the glove box. On vehicles with amplifier, the speaker wires are gray/lt. green - gray/dk. green at the amplifier, white 14 pin plug, pins 3 and 9.
<b>Right Rear Speaker (+/-)</b>	If equipped, the amplifier is behind the glove box. On vehicles with amplifier, the speaker wires are dk. green/lt. green - dk. green/gray at the amplifier, white 14 pin plug, pins 4 and 12.
<b>Wait to Start</b>	On the remote start, make sure to program the Accessory State During Wait To Start to ON.
<b>Can Bus High</b>	The SKREEM (Sentry Key Remote Entry Module) is around the ignition key switch.
<b>Can Bus Low</b>	The SKREEM (Sentry Key Remote Entry Module) is around the ignition key switch.
<b>Second Starter</b>	If interface module is not available, see Tech Doc 1084 for wiring information.
<b>Left Front Door Trigger</b>	Use all four wires and diode isolate each wire from each other and the instrument cluster. See Tech Doc 1076 for wiring information.
<b>Wait to Start</b>	On the remote start, make sure to program the Accessory State During Wait To Start to ON.
<b>Speed Sense</b>	The PCM (Powertrain Control Module) is in the engine compartment, on the passenger firewall.
<b>Starter</b>	There is no positive starter wire required for remote start. Just use the negative second starter wire.
<b>Tachometer</b>	The PCM (Powertrain Control Module) is in the engine compartment, on the passenger firewall. On diesel models, the tach wire is at the ECM on the lower driver side of the engine, front 60 pin plug, pin 24, or at the camshaft position sensor just left of the ECM, in a 3 pin plug. On gas models, can also go to any fuel injector and use the wire that is NOT brown/white.
<b>Right Rear Window (Up/Down)</b>	The rear power sliding window wires are orange/lt. green (5wi) and orange/purple (5wi) at the switch on the dash.
<b>Left Front Speaker (+/-)</b>	If equipped, the amplifier is behind the glove box. On vehicles with amplifier, the door speaker wires are dk. green/yellow - dk. green/lt. blue at the amplifier, white 14 pin plug, pins 1 and 7. The dash speaker wires are gray/orange - gray/yellow at the amplifier, white 20 pin plug, pins 1 and 10.
<b>Right Front Speaker (+/-)</b>	If equipped, the amplifier is behind the glove box. On vehicles with amplifier, the door speaker wires are gray/yellow - gray/lt. blue at the amplifier, white 14 pin plug, pins 2 and 8. The dash speaker wires are gray/dk. green - gray/lt. green at the amplifier, white 20 pin plug, pins 2 and 11.