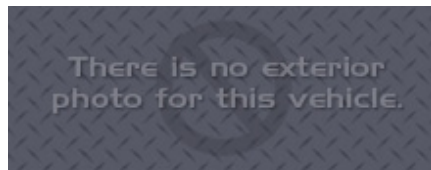


## 2004 Dodge RAM



## Remote Start, Security, Keyless Entry, Accessories

Item	Wire Color	Polarity	Wire Location
12 Volts	red (40A)	+	ignition harness
Second 12 Volts	red (40A)	+	ignition harness
Starter	yellow	+	ignition harness
Second Starter	N/A		
Ignition	pink/white	+	ignition harness
Second Ignition	pink/lt. green	+	ignition harness
Third Ignition	N/A		
Accessory	dk. blue and pink/yellow (16 AWG)	+	ignition harness
Second Accessory	pink/yellow (14 AWG)	+	ignition harness
Third Accessory	pink/yellow (10 AWG)	+	ignition harness
Keysense	purple/tan	-	ignition harness
Data Bus			
Can Bus High			
Can Bus Low			
Can Bus Sw			
Power Lock	purple/dk. green	- 820 ohms	driver kick, door harness
Power Unlock	same as power lock	- 330 ohms	
Lock Motor	lt. green	5 wire	driver kick, door harness
Driver Unlock Motor	tan/lt. green	5 wire	driver kick, door harness
Passenger Unlock Motor	purple/lt. blue	5 wire	passenger kick, door harness
Parking Lights (-)	white/lt. green	-	headlight switch
Parking Lights (+)	white/yellow (L), white/gray (R)	+	harness at top of driver fender
Hazards	white/orange	-	hazard switch
Turn Signal (Left)	use hazards		
Turn Signal (Right)	use hazards		
Headlight	white/lt. green	-	headlight switch
AutoLights			
Reverse Light	white/lt. green	+	inside mirror or plug by PCM
Left Front Door Trigger	purple	-	driver kick
Right Front Door Trigger	purple/white	-	passenger kick
Left Rear Door Trigger	purple/orange	-	driver kick
Right Rear Door Trigger	purple/yellow	-	passenger kick

*Remote Start, Security, Keyless Entry, Accessories (Continued)*

Item	Wire Color	Polarity	Wire Location
Dome Supervision	yellow/lt. blue or yellow/orange	+	driver A pillar or cluster
Trunk/Hatch Pin	N/A		
Rear Glass Pin	N/A		
Hood Pin	N/A		
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	purple/lt. blue	- 2K ohms	driver kick, door harness
Factory Alarm Disarm	same as factory alarm arm	- 480 ohms	
Disarm No Unlock	see factory alarm disarm		
Trunk Alarm Shunt	N/A		
Tachometer	dk. blue/gray	ac	PCM, orange plug, pin 34
Wait to Start	see Tech Doc 1091		
Neutral Safety			
Clutch Pedal			
Fuel Pump			
Rear Defroster			
Mirror Defroster			
Left Front Heated Seat	lt. green/dk. green	+ resistor	driver heated seat switch, 6 pin plug, pin 6
Right Front Heated Seat	lt. green/white	+ resistor	passenger heated seat switch, 6 pin plug, pin 6
Speed Sense	dk. green/yellow		PCM, top black plug, pin 13
Brake Wire	white/tan	+	brake switch
Parking Brake	dk. green/white	-	parking brake switch
Horn Trigger	dk. green/purple	-	horn switch
Wipers	brown/white (L), brown/orange (H)	+	wiper motor
Left Front Window (Up/Down)	orange/lt. green - orange/white	A	driver window switch in door
Right Front Window (Up/Down)	orange/tan - orange/gray	A	driver kick, door harness
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)	N/A		
Sun Roof (Limit/Close)	N/A		
Memory Seat 1	N/A		
Memory Seat 2	N/A		
Memory Seat 3	N/A		

<i>Audio</i>			
Item	Wire Color	Polarity	Wire Location
<b>Radio 12V</b>	gray/red	+	radio harness
<b>Radio Ground</b>	black and black/lt. green	-	radio harness
<b>Radio Ignition</b>	pink/yellow	+	radio harness
<b>Radio Illumination</b>	orange/tan (dimmer)	+	radio harness
<b>Factory Amp Turn-on</b>	dk. green	+	radio harness
<b>Power Antenna</b>	N/A		
<b>Left Front Speaker (+/-)</b>	dk. green/yellow - dk. green/lt. blue	+,-	radio harness or amplifier
<b>Right Front Speaker (+/-)</b>	gray/yellow - gray/lt. blue	+,-	radio harness or amplifier
<b>Left Rear Speaker (+/-)</b>	gray/lt. green - gray/dk. green	+,-	radio harness or amplifier
<b>Right Rear Speaker (+/-)</b>	dk. green/lt. green - dk. green/gray	+,-	radio harness or amplifier
<b>Center Channel (+/-)</b>			
<b>Subwoofer (+/-)</b>			
<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>			
<b>Satellite Radio Ground</b>			
<b>Satellite Radio Ignition</b>			
<b>Satellite Radio Antenna</b>			
<b>Satellite Audio Left (+/-)</b>			
<b>Satellite Audio Right (+/-)</b>			

<i>What Fits</i>			
Item	Size	Depth	Location
<b>Headunit</b>			
<b>Left Front Speaker</b>			
<b>Left Front Tweeter</b>			
<b>Right Front Speaker</b>			
<b>Right Front Tweeter</b>			
<b>Left Rear Speaker</b>			
<b>Left Rear Tweeter</b>			
<b>Right Rear Speaker</b>			
<b>Right Rear Tweeter</b>			
<b>Center Channel</b>			
<b>Subwoofer</b>			
<b>Left Front Headrest</b>			
<b>Right Front Headrest</b>			
<b>Left Rear Headrest</b>			
<b>Right Rear Headrest</b>			
<b>Satellite Radio Tuner</b>			

*Wiring Notes: Parking Lights (-)***Notes:**

Parking lights are negative trigger thru a 249 or 330 ohm resistor. MUST use a relay.

*Wiring Notes: Hazards***Notes:**

Hazards are negative trigger thru a 120 ohm resistor. MUST use a relay.

*Wiring Notes: Headlight***Notes:**

Headlights and parking lights are negative trigger thru a 1.4K ohm resistor. MUST use a relay.

*Wiring Notes: Reverse Light***Notes:**

The PCM is on the passenger side firewall.

*Wiring Notes: Left Front Door Trigger***Notes:**

Use all four wires and diode isolate each. See Tech Doc 1076 for wiring information.

*Wiring Notes: Tachometer***Notes:**

The PCM is on the passenger side firewall. On diesel models, the tach wire is at the ECM on the lower driver side of the engine, 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 ignition coil or fuel injector and use the wire that is NOT brown/white.

*Wiring Notes: Wait to Start***Notes:**

On the remote start, make sure to program the Accessory State During Wait To Start to ON.

*Wiring Notes: Left Front Heated Seat***Notes:**

The high setting is 150 ohms, and low setting is 250 ohms.

*Wiring Notes: Right Front Heated Seat***Notes:**

The high setting is 150 ohms, and low setting is 250 ohms.

*Wiring Notes: Speed Sense***Notes:**

The PCM is on the passenger side firewall. On diesel models, the vss wire is at the ECM on the lower driver side of the engine, 50 pin plug, pin 11.

*Wiring Notes: Left Front Speaker (+/-)***Notes:**

The amplifier is behind the glove box.



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