

2005 Dodge RAM



Wiring Information

Item	Wire Color	Polarity	Wire Location
12 Volts	red (40A)	+	ignition harness
Second 12 Volts	red (40A)	+	ignition harness
Starter	yellow or yellow/orange	+	ignition harness or starter button (SRT-10)
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
Key Sense	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 wire	- 330 ohms	
Lock Motor	lt. green	5 wire	driver kick, door harness
Unlock Motor	tan/lt. green	5 wire	driver kick, door harness
Disarm Defeat	purple/lt. blue	5 wire	passenger kick, door harness
Parking Lights (+)	white/yellow (L), white/gray (R)	+	harness at top of driver fender
Parking Lights (-)	white/lt. green	-	headlight switch
Hazards	white/orange	-	hazard switch
Turn Signal (Left)	use hazards wire		
Turn Signal (Right)	use hazards wire		

Wiring Information (Continued)

Item	Wire Color	Polarity	Wire Location
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 panel
Right Front Door Trigger	purple/white	-	passenger kick panel
Left Rear Door Trigger	purple/orange	-	driver kick panel
Right Rear Door Trigger	purple/yellow	-	passenger kick panel
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	- 644 ohms	driver kick, door harness
Factory Alarm Disarm	same as factory alarm arm wire	-1565 ohms	
Disarm No Unlock	see factory alarm disarm		
Trunk Alarm Shunt			
Tachometer	dk. blue/gray	ac	PCM, orange plug, pin 34
Wait to Start	see DirectFax document 1091		
Neutral Safety			
Clutch Pedal			
Fuel Pump			
Rear Defroster			
Mirror Defroster			
Left Front Heated Seat			
Right Front Heated Seat			

Wiring Information (Continued)

Item	Wire Color	Polarity	Wire Location
Speed Sense	dk. green/yellow		PCM, top black plug, pin 13
Brake Wire	white/tan	+	brake pedal switch
Parking Brake	dk. green/white	-	parking brake switch
Horn Trigger	dk. green/purple	-	horn switch
Wipers	brown/white (L), brown/orange (H)	+	windshield 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)	motor part of module		
Sun Roof (Limit/Close)	N/A		
Memory Seat 1	N/A		
Memory Seat 2	N/A		
Memory Seat 3	N/A		
Radio 12V	gray/red	+	radio harness
Radio Ground	black and black/lt. green	-	radio harness
Radio Ignition	pink/yellow	+	radio harness
Radio Illumination	orange/tan (dimmer)	+	radio harness
Factory Amp Turn-on	N/A		
Power Antenna	N/A		
Left Front Speaker (+/-)	dk. green/yellow - dk. green/lt. blue	+,-	radio harness or amplifier
Right Front Speaker (+/-)	gray/yellow - gray/lt. blue	+,-	radio harness or amplifier
Left Rear Speaker (+/-)	gray/lt. green - gray/dk. green	+,-	radio harness or amplifier
Right Rear Speaker (+/-)	dk. green/lt. green - dk. green/gray	+,-	radio harness or amplifier
Center Channel (+/-)			
Subwoofer (+/-)			
Aux. Audio Input Left (+/-)			
Aux. Audio Input Right (+/-)			
RSE Video (+/-)			
RSE Audio Left (+/-)			
RSE Audio Right (+/-)			
Satellite Radio 12 Volts			
Satellite Radio Ground			
Satellite Radio Ignition			
Satellite Radio Antenna			
Satellite Audio Left (+/-)			
Satellite Audio Right (+/-)			

What Fits

Item	Size	Depth	Location
Headunit	DIN and a half		center of dash
Left Front Speaker	6 x 9	5.25	left front door
Left Front Tweeter			
Right Front Speaker	6 x 9	5.25	right front door
Right Front Tweeter			
Left Rear Speaker	5.25	3.5	left rear door
Left Rear Tweeter			
Right Rear Speaker	5.25	3.5	right rear door
Right Rear Tweeter			
Center Channel			
Subwoofer			
Left Front Headrest			
Right Front Headrest			
Left Right Headrest			
Right Rear Headrest			
Satellite Radio Tuner			

Additional Wiring Notes

Item	Note
Wait to Start	On the remote start, make sure to program the Accessory State During Wait To Start to ON.
Power Lock	Lock is negative trigger thru an 820 ohm resistor. Unlock is negative trigger thru a 330 ohm resistor. MUST use relays.
Parking Lights (-)	Parking lights are negative trigger thru a 270 ohm resistor. MUST use a relay.
Hazards	Hazards are negative trigger thru a 120 ohm resistor. MUST use a relay.
Headlight	Headlights and parking lights are negative trigger thru a 470 ohm resistor. MUST use a relay.
Reverse Light	The PCM is on the passenger side firewall.
Left Front Door Trigger	Use all four wires and diode isolate each. See DirectFax document 1076 for wiring information.
Factory Alarm Arm	This will also do door locks. Arm/lock is negative trigger thru a 644 ohm resistor. Disarm/unlock is negative trigger thru a 1565 ohm resistor. Single pulse will do disarm without unlocking the doors. Unlock requires a double pulse. MUST use relays.
Tachometer	The PCM is on the passenger side firewall. On SRT-10 models, the tach wire is in the black plug, pin 18. 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.
Speed Sense	The PCM is on the passenger side firewall. On SRT-10 models, the vss wire is in the white plug, pin 27. On diesel models, the vss wire is at the ECM on the lower driver side of the engine, 50 pin plug, pin 11.
Left Front Speaker (+/-)	The amplifier is behind the glove box.
Wait to Start	On the remote start, make sure to program the Accessory State During Wait To Start to ON.