

## 2006 Dodge RAM

### Wiring Information

Item	Wire Color	Polarity	Wire Location
<b>12 Volts</b>	red	+	battery
<b>Second 12 Volts</b>	lt. blue/red (2A) (for reference only, do not use)	+	ignition harness
<b>Starter</b>	dk. green/yellow	+	ign harn or starter button (SRT-10)
<b>Second Starter</b>	purple/brown	-	ignition harness
<b>Ignition</b>	pink/white	+	ignition harness
<b>Second Ignition</b>	N/A		
<b>Third Ignition</b>	N/A		
<b>Accessory</b>	same as second starter wire		
<b>Second Accessory</b>	N/A		
<b>Third Accessory</b>			
<b>Key Sense</b>	N/A		
<b>Data Bus</b>			
<b>Can Bus High</b>			
<b>Can Bus Low</b>			
<b>Can Bus Sw</b>			
<b>Power Lock</b>	purple/dk. green	-	DKP or cluster, sml gry plug, pin 3
<b>Power Unlock</b>	same as power lock wire		
<b>Lock Motor</b>	lt. green	5wi	DKP or cluster, white plug, pin 10
<b>Unlock Motor</b>	tan/lt. green	5wi	DKP or cluster, white plug, pin 1
<b>Disarm Defeat</b>	purple/lt. blue	5wi	PKP or cluster, white plug, pin 24
<b>Parking Lights (+)</b>	white/yel (L), white/gray (R)	+	harness at top of driver fender
<b>Parking Lights (-)</b>	white/lt. green	-	sw or cluster, sml gry plug, pin 5
<b>Hazards</b>	white/orange	-	sw or cluster, sml gry plug, pin 8
<b>Turn Signal (Left)</b>	wht/lt grn (F), wht/dk grn (R)	+	harness at top of driver fender
<b>Turn Signal (Right)</b>	white/tan (F), white/yel (R)	+	harness at top of driver fender

*Wiring Information (Continued)*

Item	Wire Color	Polarity	Wire Location
<b>Headlight</b>	white/lt. green	-	sw or cluster, sml gry plug, pin 5
<b>AutoLights</b>			
<b>Reverse Light</b>	white/lt. green	+	harness at top of driver fender
<b>Left Front Door Trigger</b>	see notes	-	each kick or cluster, lrg gray plug
<b>Right Front Door Trigger</b>			
<b>Left Rear Door Trigger</b>			
<b>Right Rear Door Trigger</b>			
<b>Dome Supervision</b>	yellow/lt. blue	+	A pillar or cluster, wht plg, pin 21
<b>Trunk/Hatch Pin</b>	N/A		
<b>Rear Glass Pin</b>			
<b>Hood Pin</b>	N/A		
<b>Trunk Hatch/Release</b>	N/A		
<b>Trunk Release Motor</b>			
<b>Fuel Door Release</b>			
<b>Power Sliding Door (Left)</b>	N/A		
<b>Power Sliding Door (Right)</b>			
<b>Factory Alarm Arm</b>	arms on lock with door open		
<b>Factory Alarm Disarm</b>	factory remote only		
<b>Disarm No Unlock</b>	with ignition and Sentry Key		
<b>Trunk Alarm Shunt</b>			
<b>Tachometer</b>	dk. blue/gray	ac	PCM, black/orange plug, pin 34
<b>Wait to Start</b>	see DirectFax document 1091		
<b>Neutral Safety</b>			
<b>Clutch Pedal</b>			
<b>Fuel Pump</b>			
<b>Rear Defroster</b>			
<b>Mirror Defroster</b>			
<b>Left Front Heated Seat</b>			
<b>Right Front Heated Seat</b>			

*Wiring Information (Continued)*

Item	Wire Color	Polarity	Wire Location
<b>Speed Sense</b>	dk. blue/orange (SRT-10 only)	ac	PCM, black/gray plug, pin 27
<b>Brake Wire</b>	white/tan	+	brake pedal switch
<b>Parking Brake</b>	dk. green/white	-	sw or cluster, lrg gry plug, pin 22
<b>Horn Trigger</b>	dk. green/purple	-	sw or cluster, lrg gry plug, pin 14
<b>Wipers</b>	brown/wht (L), brown/org (H)	+	windshield wiper motor
<b>Left Front Window (Up/Down)</b>	orange/lt. green - orange/wht	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/lt. blu -orange/dk. blu	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 harness
<b>Radio Ground</b>	black and black/lt. green	-	radio harness
<b>Radio Ignition</b>	(CAN data bus)		
<b>Radio Illumination</b>	N/A		
<b>Factory Amp Turn-on</b>	N/A		
<b>Power Antenna</b>	N/A		
<b>Left Front Speaker (+/-)</b>	dk. grn/yel - dk. grn/lt. blue	+,-	radio harness or amp behind glovebox
<b>Right Front Speaker (+/-)</b>	gray/yellow - gray/lt. blue	+,-	radio harness or amp behind glovebox
<b>Left Rear Speaker (+/-)</b>	gray/lt. grn - gray/dk. grn	+,-	radio harness or amp behind glovebox
<b>Right Rear Speaker (+/-)</b>	dk. grn/lt. grn - dk. grn/gray	+,-	radio harness or amp behind glovebox
<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>			

*What Fits*

Item	Size	Depth	Location
Headunit			
Left Front Speaker			
Left Front Tweeter			
Right Front Speaker			
Right Front Tweeter			
Left Rear Speaker			
Left Rear Tweeter			
Right Rear Speaker			
Right Rear Tweeter			
Center Channel			
Subwoofer			
Left Front Headrest			
Right Front Headrest			
Left Right Headrest			
Right Rear Headrest			
Satellite Radio Tuner			

*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>556CW, 556UW, DesignTech 20402, DesignTech 29402</b>

<b>Notes:</b>
<b>Standard on all models except the ST.</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>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>

*Additional Wiring Notes*

Item	Note
<b>Wait to Start</b>	On the remote start, make sure to program the Accessory State During Wait To Start to ON.
<b>Power Lock</b>	Lock is negative trigger thru an 820 ohm resistor. Unlock is negative trigger thru a 330 ohm resistor. MUST use relays. Can also use Directed interface module.
<b>Speed Sense</b>	The PCM is on the passenger side firewall. The black/gray plug is the second plug down from the top.
<b>Second Starter</b>	The second starter wire is negative trigger thru an 180 ohm resistor. MUST use a relay. Refer to DirectFax document 1084 for wiring information.
<b>Headlight</b>	Headlights and parking lights are negative trigger thru a 660 ohm resistor. MUST use a relay.
<b>Left Front Door Trigger</b>	The LF door is purple in pin 1. The RF door is purple/white in pin 4. The LR door is purple/orange or purple/gray in pin 2. The RR door is purple/yellow or tan/yellow in pin 3. Use all four wires and diode isolate each wire from each other and the instrument cluster. See DirectFax document 1076 for wiring information.
<b>Hazards</b>	Hazards are negative trigger thru a 120 ohm resistor. MUST use a relay.
<b>Tachometer</b>	The PCM is on the passenger side firewall. The black/orange plug is the second plug down from the top. On SRT-10 models, the tach wire is in the top black plug, pin 18. 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 ignition coil or fuel injector and use the wire that is NOT brown/white.
<b>Accessory</b>	The accessory wire is negative trigger thru a 610 ohm resistor. MUST use a relay. Refer to DirectFax document 1084 for wiring information.
<b>Parking Lights (-)</b>	Parking lights are negative trigger thru a 1130 ohm resistor. MUST use a relay.
<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>Wait to Start</b>	On the remote start, make sure to program the Accessory State During Wait To Start to ON.