

DirectWire

2009 Dodge/Ram Viper SRT/10 - North America

Wiring Information

Item	Wire Color	Polarity	Wire Location
12 Volts	red (30A)	+	ignition switch, pin 5
Second 12 Volts	violet/red (30A), white/red (40A)	+	BCM in driver kick, black plug (C5), pins 1, 2
Ground	(chassis ground)		
Starter	yellow/orange to pink/orange	+	starter switch, pin 3 or BCM in driver kick, black/white plug (C3), pin 27
Ignition	red/orange	+	ignition switch, pin 3
Accessory	brown/violet	- resistor	ignition switch, pin 2 or BCM in driver kick, black/gray plug (C2), pin 20
Keysense	same as accessory	- resistor	
J1850	white/violet (PCI bus)	data	data link connector, black 16 pin plug, pin 2
Power Lock	lt. green/yellow	-1500 ohm	BCM in driver kick, black/white plug (C3), pin 21
Power Unlock	same as power lock	- 249 ohms	
Lock Motor	power door latch; no door lock motor		
Driver Unlock Motor	power door latch; no door lock motor		
Passenger Unlock Motor	power door latch; no door lock motor		
Factory Alarm Arm	arms on lock with door open		
Factory Alarm Disarm	violet/lt. blue (driver door key unlock)	-1970 ohms	BCM in driver kick, black/white plug (C3), pin 14
Disarm No Unlock	see factory alarm disarm		
Parking Lights	white/yellow	+	BCM in driver kick, black/green plug (C4), pin 33
Parking Lights -	white/black	-	headlight switch or BCM in driver kick, black/gray plug (C2), pin 21
Hazards	same as turn signals		
Turn Signal (Left)	lt. green (F), white/dk. green (R)	+	turn signal switch, pins 2 and 4
Turn Signal (Right)	tan (F), white/red (R)	+	turn signal switch, pins 6 and 5
Headlight	white/brown	-	headlight switch or BCM in driver kick, black/green plug (C4), pin 24
Reverse Light	white/lt. green	+	reverse light in trunk
Left Front Door Trigger	violet	-	BCM in driver kick, black/white plug (C3), pin 6
Right Front Door Trigger	violet/white	-	BCM in driver kick, black/white plug (C3), pin 16
Dome Light	black/brown	+	BCM in driver kick, black/gray plug (C2), pin 12
Trunk/Hatch Pin	violet/orange	-	BCM in driver kick, black/white plug (C3), pin 8
Hood Pin	violet/lt. blue	-	BCM in driver kick, black/gray plug (C2), pin 32
Trunk/Hatch Release	violet/tan (rear handle switch)	-	BCM in driver kick, black/white plug (C3), pin 18
Trunk Release Motor	white/tan	5 wire	BCM in driver kick, black/green plug (C4), pin 32
Tachometer	NOT pink/dk. blue or pink/brown	ac	any fuel injector
Clutch Pedal	pink/orange	+	clutch switch, green 2 pin plug, pin 2 or BCM in driver kick, black/white plug (C3), pin 27
Fuel Pump	red	+	fuel pump relay in power distribution center
Rear Defroster	dk. blue/lt. blue	- latched	A/C Heater Control, black plug (C2), pin 15
Speed Sense	dk. blue/violet	ac	PCM, black/green plug (C4), pin 29
Brake Wire	white/tan	+	brake switch, pin 2
Parking Brake	violet/tan	-	parking brake switch
Horn Trigger	dk. green/white	-	BCM in driver kick, black/green plug (C4), pin 17
Wipers	brown (L), brown/orange (H)	+	wiper switch, pins 6 and 5
Left Front Window (Up/Down)	orange/dk. blue - orange/white	A	BCM in driver kick, black/green plug (C4), pins 29 and 31
Right Front Window (Up/Down)	orange/brown - orange/yellow	A	passenger window relays near steering column
Radio 12V	gray/red	+	radio, dk. gray plug (C1), pins 1 and 12
Radio Ground	black/lt. green	-	radio, dk. gray plug (C1), pins 11 and 22

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Radio Ignition	red/white	+	radio, dk. gray plug (C1), pin 2
Radio Illumination	orange/brown (dimmer)	+	radio, dk. gray plug (C1), pin 3
Factory Amp Turn-on	same as power antenna		
Power Antenna	dk. green/red	+	radio, dk. gray plug (C1), pin 13
Left Front Speaker (+/-)	dk. green - dk. green/brown (preamp)	+,-	radio, dk. gray plug (C1), pins 10 and 9
Right Front Speaker (+/-)	violet - gray/brown (preamp)	+,-	radio, dk. gray plug (C1), pins 7 and 8
Left Rear Speaker (+/-)	dk. green/dk. blue - dk. green/orange (preamp)	+,-	radio, dk. gray plug (C1), pins 18 and 19
Right Rear Speaker (+/-)	gray/dk. blue - dk. blue/orange (preamp)	+,-	radio, dk. gray plug (C1), pins 21 and 20
Subwoofer (+/-)	gry/brn - dk grn/brn (1), gry/wht - dk grn/wht (2)	+,-	amplifier, green plug (C2), pins 4 and 3 (1), 12 and 11 (2)
Satellite Radio 12 Volts	white/orange	+	Satellite Receiver, black plug (C1), pin 6
Satellite Radio Ground	black	-	Satellite Receiver, black plug (C1), pin 4
Satellite Radio Ignition	yellow/gray	+	Satellite Receiver, black plug (C1), pin 5
Satellite Radio Antenna	(coaxial cable)		
Satellite Audio Left (+/-)	violet/tan - violet/yellow	+,-	Satellite Receiver, black plug (C1), pins 1 and 8
Satellite Audio Right (+/-)	violet/white - violet/yellow	+,-	Satellite Receiver, black plug (C1), pins 7 and 8

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What Fits

Item	Size	Depth	Location
Headunit	irregular		center of dash
Left Front Speaker	6.5		left front door
Left Front Tweeter	0.787		left front dash
Right Front Speaker	6.5		right front door
Right Front Tweeter	0.787		right front dash
Left Rear Speaker	2.5		behind left headrest
Right Rear Speaker	2.5		behind right headrest
Subwoofer	6.5		between seats
Satellite Radio Tuner			rear deck

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Additional Wiring Notes

Item	Note
Power Lock	To pop open the driver door use a negative trigger thru a 3570 ohms resistor on the same wire. To pop open the passenger door use a negative trigger thru a 3570 ohms resistor on a lt. green/lt. blue wire at the BCM in driver kick, black/white plug (C3), pin 22.
Speed Sense	The PCM (Powertrain Control Module) is in the left front of the engine compartment. Also found at the ABS Module, pin 13.
Left Front Window (Up/Down)	May not be possible to install window automation systems because of the smart glass feature on the vehicle.
Right Front Window (Up/Down)	May not be possible to install window automation systems because of the smart glass feature on the vehicle.
Left Front Speaker (+/-)	The speaker wires are gray/purple - gray/yellow at the amplifier, green plug (C2), pins 13 and 14. The tweeter wires are gray/orange - gray at the amplifier, green plug (C2), pins 10 and 9. The amplifier is under the passenger seat.
Right Front Speaker (+/-)	The speaker wires are dk. green/purple - dk. green/yellow at the amplifier, green plug (C2), pins 16 and 15. The tweeter wires are gray/dk. green - gray/lt. green at the amplifier, green plug (C2), pins 2 and 1. The amplifier is under the passenger seat.
Left Rear Speaker (+/-)	The speaker wires are dk. green/tan - dk. green/gray at the amplifier, green plug (C2), pins 5 and 6. The amplifier is under the passenger seat.
Right Rear Speaker (+/-)	The speaker wires are dk. green/orange - yellow/gray at the amplifier, green plug (C2), pins 8 and 7. The amplifier is under the passenger seat.
Subwoofer (+/-)	The amplifier is under the passenger seat.
Satellite Radio 12 Volts	If equipped, the Satellite Receiver is in the rear deck.