

## 2010 Dodge Challenger



## Wiring Information

Item	Wire Color	Polarity	Wire Location
<b>12 Volts</b>	red	+	battery in trunk or TIPM on passenger fender
<b>Second 12 Volts</b>	lt. blue/red (15A)	+	Wireless Ign Node on ign sw, blk 12 pin plg, pin 1
<b>Starter</b>	lt. green or yellow/gray (for starter kill only)	+	starter or TIPM on passenger fender, green 26 pin plug, pin 23
<b>Second Starter</b>	N/A		
<b>Ignition</b>	pink/white (for ignition sense only)	+	Wireless Ignition Node on ignition switch, black 12 pin plug, pin 3
<b>Second Ignition</b>	N/A		
<b>Third Ignition</b>	N/A		
<b>Accessory</b>	red/orange (for accessory sense only)	+	cigar lighter, gray 3 pin plug, pin 1
<b>Second Accessory</b>	N/A		
<b>Third Accessory</b>	N/A		
<b>Key Sense</b>	N/A		
<b>Data Bus</b>	N/A		
<b>Can Bus High</b>	white/black (CAN C BUS)	data	Wireless Ignition Node on ignition switch, black 12 pin plug, pin 5
<b>Can Bus Low</b>	white/lt. blue (CAN C BUS)	data	Wireless Ignition Node on ignition switch, black 12 pin plug, pin 6
<b>Can Bus Sw</b>	N/A		
<b>Power Lock</b>	purple/dk. green	- 330 ohms	driver kick or instrument cluster, gray 26 pin plug, pin 5
<b>Power Unlock</b>	same as power lock	- 100 ohms	
<b>Lock Motor</b>	lt. green	5 wire	driver kick or instrument cluster, gray 26 pin plug, pin 12
<b>Unlock Motor</b>	tan/lt. green	5 wire	driver kick or instrument cluster, gray 26 pin plug, pin 11
<b>Disarm Defeat</b>	tan	5 wire	passenger kick or instrument cluster, gray 26 pin plug, pin 26
<b>Parking Lights (+)</b>	white/purple	+	passenger kick, harness to rear
<b>Parking Lights (-)</b>	white/brown (see Tech Doc 1082)	-1670 ohms	headlight switch or instrument cluster, gray 26 pin plug, pin 3
<b>Hazards</b>	white/dk. blue	-	hazard switch, black 12 pin plug, pin 1
<b>Turn Signal (Left)</b>	white/lt. green (F); white/dk. green (R)	+	TIPM on pass fender, grn 16 pin plg, pin 10; grn 26 pin plg, pin 10
<b>Turn Signal (Right)</b>	white/tan (F); white/yellow (R)	+	TIPM on pass fender, grn 16 pin plug, pin 3; grn 26 pin plug, pin 4

## Wiring Information (Continued)

Item	Wire Color	Polarity	Wire Location
<b>Headlight</b>	white/brown	-1200 ohms	headlight switch or instrument cluster, gray 26 pin plug, pin 3
<b>AutoLights</b>	same as headlight		
<b>Reverse Light</b>	white/lt. green	+	passenger kick, harness to rear
<b>Left Front Door Trigger</b>	purple	-	driver kick or instrument cluster, white 26 pin plug, pin 3
<b>Right Front Door Trigger</b>	purple/white	-	pass kick or instr cluster, wht 26 pin plug, pin 16
<b>Left Rear Door Trigger</b>	N/A		
<b>Right Rear Door Trigger</b>	N/A		
<b>Dome Supervision</b>	yellow/white	+	passenger A pillar or instrument cluster, white 26 pin plug, pin 12
<b>Trunk/Hatch Pin</b>	purple/orange	-	passenger kick or instrument cluster, gray 26 pin plug, pin 23
<b>Rear Glass Pin</b>	N/A		
<b>Hood Pin</b>	purple/lt. blue	-	hood switch or TIPM on passenger fender, blue 26 pin plug, pin 10
<b>Trunk Hatch/Release</b>	purple/tan	-	release switch or instrument cluster, gray 26 pin plug, pin 22
<b>Trunk Release Motor</b>	tan/yellow	5 wire	passenger kick or instrument cluster, white 26 pin plug, pin 24
<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>	see disarm no unlock		
<b>Disarm No Unlock</b>	Sentry Key and ignition		
<b>Trunk Alarm Shunt</b>	N/A		
<b>Tachometer</b>	NOT brown/yellow	ac	any fuel injector
<b>Wait to Start</b>	N/A		
<b>Neutral Safety</b>	N/A		
<b>Clutch Pedal</b>	yellow/orange (interlock), dk. green/org (upstop)	TDoc 10002	clutch switch, lt. gray 3 pin plug, pins 2 and 1
<b>Fuel Pump</b>	dk. blue/orange	+	fuel pump under rear seat
<b>Rear Defroster</b>	dk. blue	- latched	passenger kick or HVAC Control Module, lt. gray 8 pin plug, pin 5
<b>Mirror Defroster</b>	same as rear defroster		
<b>Left Front Heated Seat</b>	lt. green/gray	-	heated seat switch or instrument cluster, white 26 pin plug, pin 18
<b>Right Front Heated Seat</b>	lt. green/lt. blue	-	heated seat switch or instrument cluster, white 26 pin plug, pin 19

## Wiring Information (Continued)

Item	Wire Color	Polarity	Wire Location
Speed Sense	(wheel speed sensor)		
Brake Wire	dk. green/white	+	brake switch or Wireless Ign Node on ign sw, black 12 pin plug, pin 8
Parking Brake	gray/black	-	parking brake switch or instrument cluster, gray 26 pin plug, pin 18
Horn Trigger	dk. green/orange	5 wire	horns or TIPM on passenger fender, black 15 pin plug, pin 3
Wipers	brown/white (L), brown/orange (H)	+	wiper motor or TIPM on passenger fender, blk 15 pin plg, pins 13, 12
Left Front Window (Up/Down)	motor part of module		
Right Front Window (Up/Down)	motor part of module		
Left Rear Window (Up/Down)	N/A		
Right Rear Window (Up/Down)	N/A		
Sun Roof (Open/Close)	org/tan - org/lt. blue (function with ign on only)	+	sunroof switch, black 4 pin plug, pins 4 and 3
Sun Roof (Limit/Close)	N/A		
Memory Seat 1	N/A		
Memory Seat 2	N/A		
Memory Seat 3	N/A		
Radio 12V	red/orange	+	radio, gray 22 pin plug, pin 1
Radio Ground	black/lt. green	-	radio, gray 22 pin plug, pin 12
Radio Ignition	(CAN B BUS)		
Radio Illumination	(CAN B BUS)		
Factory Amp Turn-on	(CAN B BUS, spkr amp), (same as pwr ant, sub amp)		
Power Antenna	gray/orange	+	radio, gray 22 pin plug, pin 7
Left Front Speaker (+/-)	gray/purple - gray/yellow	+,-	radio, gray 22 pin plug, pins 21 and 22
Right Front Speaker (+/-)	dk. green/purple - dk. green/yellow	+,-	radio, gray 22 pin plug, pins 19 and 20
Left Rear Speaker (+/-)	dk. green/tan - dk. green/gray	+,-	radio, gray 22 pin plug, pins 8 and 9
Right Rear Speaker (+/-)	dk. green/brown - yellow/gray	+,-	radio, gray 22 pin plug, pins 10 and 11
Center Channel (+/-)	gray/brown - gray/orange	+,-	amplifier above driver kick, white 20 pin plug, pins 3 and 12
Subwoofer (+/-)	gray/brown - dk. green/brown	+,-	amplifier above driver kick, 14 pin plug, pins 5 and 13
Aux. Audio Input Left (+/-)	red - tan	+,-	radio, gray 22 pin plug, pins 17 and 15
Aux. Audio Input Right (+/-)	white - tan	+,-	radio, gray 22 pin plug, pins 16 and 15
RSE Video (+/-)	N/A		
RSE Audio Left (+/-)	N/A		
RSE Audio Right (+/-)	N/A		
Satellite Radio 12 Volts	N/A		
Satellite Radio Ground	N/A		
Satellite Radio Ignition	N/A		
Satellite Radio Antenna	N/A		
Satellite Audio Left (+/-)	N/A		
Satellite Audio Right (+/-)	N/A		

## What Fits

Item	Size	Depth	Location
Headunit	double DIN		center of dash
Left Front Speaker	6 x 9		left front door
Left Front Tweeter	3.5		left front dash
Right Front Speaker	6 x 9		right front door
Right Front Tweeter	3.5		right front dash
Left Rear Speaker	6.5		left rear deck
Left Rear Tweeter	N/A		
Right Rear Speaker	6.5		right rear deck
Right Rear Tweeter	N/A		
Center Channel	3.5		top center of dash
Subwoofer	8 or 10		top center of rear deck or left side of trunk
Left Front Headrest			
Right Front Headrest			
Left Right Headrest			
Right Rear Headrest			
Satellite Radio Tuner	(built into radio)		

Additional Wiring Notes

Item	Note
<b>Can Bus High</b>	The CAN B BUS high is white/orange in the driver kick, door harness.
<b>Can Bus Low</b>	The CAN B BUS low is white in the driver kick, door harness.
<b>Left Rear Speaker (+/-)</b>	On models with amplifier, the speaker wires are dk. green/tan - dk. green/gray at the amplifier above driver kick, 14 pin plug, pins 3 and 9.
<b>Right Rear Speaker (+/-)</b>	On models with amplifier, the speaker wires are dk. green/brown - yellow/gray at the amplifier above driver kick, 14 pin plug, pins 4 and 12.
<b>Left Front Speaker (+/-)</b>	On models with amplifier, the door speaker wires are gray/purple - gray/yellow at the amplifier above driver kick, 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>	On models with amplifier, the door speaker wires are dk. green/purple - dk. green/yellow at the amplifier above driver kick, 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.