

## 2009 Porsche Cayenne



### Wiring Information

Item	Wire Color	Polarity	Wire Location
<b>12 Volts</b>	red (150A)	+	driver dash fuse box
<b>Second 12 Volts</b>	N/A		
<b>Starter</b>	red/black (for starter kill only)	+	starter or starter relay in underhood fuse box
<b>Second Starter</b>	N/A		
<b>Ignition</b>	black (for ignition sense only)	+	driver dash fuse box
<b>Second Ignition</b>	N/A		
<b>Third Ignition</b>	N/A		
<b>Accessory</b>	N/A		
<b>Second Accessory</b>	N/A		
<b>Third Accessory</b>	N/A		
<b>Key Sense</b>	N/A		
<b>Data Bus</b>	use KIVW interface module		
<b>Can Bus High</b>	orange/green	data	VESCM, 26 pin plug (A), pin 1
<b>Can Bus Low</b>	orange/brown	data	VESCM, 26 pin plug (A), pin 2
<b>Can Bus Sw</b>	N/A		
<b>Power Lock</b>	brown/green	- 780 ohms	Driver Door Module, gray 32 pin plug, pin 6
<b>Power Unlock</b>	same as power lock	-	
<b>Lock Motor</b>	blue/green	5 wire	Driver Door Module, black 12 pin plug, pin 11
<b>Unlock Motor</b>	green/yellow	5 wire	Driver Door Module, black 12 pin plug, pin 12
<b>Disarm Defeat</b>	green/yellow	5 wire	Passenger Door Module, black 12 pin plug, pin 12
<b>Parking Lights (+)</b>	black/blue (LF); gray/red (RF)	+	VESCM, 6 pin plug (C), pin 4; 6 pin plug (K), pin 3
<b>Parking Lights (-)</b>	green/yellow	-	VESCM, 26 pin plug (A), pin 17
<b>Hazards</b>	purple	-	VESCM, 26 pin plug (A), pin 10
<b>Turn Signal (Left)</b>	black/white (F); black/white (R)	+	VESCM, 6 pin plug (L), pin 1; 6 pin plug (K), pin 6
<b>Turn Signal (Right)</b>	black/green (R); black/green (R)	+	VESCM, 6 pin plug (D), pins 6 and 5

*Wiring Information (Continued)*

Item	Wire Color	Polarity	Wire Location
<b>Headlight</b>	green/yellow	-	VESCM, 26 pin plug (A), pin 5
<b>AutoLights</b>	yellow/white (interrupt to turn off autolights)	-	VESCM, 26 pin plug (A), pin 26
<b>Reverse Light</b>	red/yellow	+	VESCM, 26 pin plug (A), pin 20
<b>Left Front Door Trigger</b>	red/blue	-	Driver Door Module, black 12 pin plug, pin 2
<b>Right Front Door Trigger</b>	red/blue	-	Passenger Door Module, black 12 pin plug, pin 2
<b>Left Rear Door Trigger</b>	red/blue	-	Left Rear Door Module, black 12 pin plug, pin 2
<b>Right Rear Door Trigger</b>	red/blue	-	Right Rear Door Module, black 12 pin plug, pin 2
<b>Dome Supervision</b>	blue/white	-	VESCM, 16 pin plug (P), pin 14
<b>Trunk/Hatch Pin</b>	yellow	-	Comfort System Control Module, 23 pin plug, pin 13
<b>Rear Glass Pin</b>	blue	-	Comfort System Control Module, 23 pin plug, pin 4
<b>Hood Pin</b>	black/yellow	-	VESCM, 26 pin plug (A), pin 19
<b>Trunk Hatch/Release</b>	yellow/blue (liftgate), yellow (liftgate glass)	-	Comfort System Control Module, 23 pin plug, pins 12 and 3
<b>Trunk Release Motor</b>	blue/green (liftgate), blue/red (liftgate glass)	5 wire	Comfort System Control Module, 23 pin plug, pins 21 and 20
<b>Fuel Door Release</b>	purple/yellow	5 wire	Comfort System Control Module, 23 pin plug, pin 19
<b>Power Sliding Door (Left)</b>	N/A		
<b>Power Sliding Door (Right)</b>	N/A		
<b>Factory Alarm Arm</b>	blue/yellow	-	Driver Door Module, black 12 pin plug, pin 8
<b>Factory Alarm Disarm</b>	same as factory alarm arm	- 250 ohms	
<b>Disarm No Unlock</b>	Transponder and ignition		
<b>Trunk Alarm Shunt</b>	N/A		
<b>Tachometer</b>	non common wire (V6), NOT red/stripe (V8)	ac	any fuel injector
<b>Wait to Start</b>	N/A		
<b>Neutral Safety</b>	N/A		
<b>Clutch Pedal</b>	black (in), purple (out)	+ N.O.	clutch switch, 4 pin plug, pins 2 and 3
<b>Fuel Pump</b>	red/yellow (L), red/black (R)	+	driver kick, harness to rear
<b>Rear Defroster</b>	black	- latched	rear window defogger relay, plug D, pin 7F
<b>Mirror Defroster</b>	purple/black	-	Driver Door Control Module, gray 32 pin plug, pin 9
<b>Left Front Heated Seat</b>	black/white	+ resistor	driver heated seat switch, 6 pin plug, pin 6
<b>Right Front Heated Seat</b>	black/white	+ resistor	passenger heated seat switch, 6 pin plug, pin 6

*Wiring Information (Continued)*

Item	Wire Color	Polarity	Wire Location
<b>Speed Sense</b>	white/purple (some models only)	ac	instrument cluster, blue 32 pin plug, pin 3
<b>Brake Wire</b>	black/red	+	Comfort System Control Module, 23 pin plug, pin 6
<b>Parking Brake</b>	purple/white	-	parking brake switch, 4 pin plug, pin 2
<b>Horn Trigger</b>	purple	+	VESCM, 4 pin plug (G), pin 1
<b>Wipers</b>	(CAN bus)		
<b>Left Front Window (Up/Down)</b>	use factory alarm arm/disarm		
<b>Right Front Window (Up/Down)</b>	see left front window		
<b>Left Rear Window (Up/Down)</b>	see left front window		
<b>Right Rear Window (Up/Down)</b>	see left front window		
<b>Sun Roof (Open/Close)</b>	use factory alarm arm/disarm		
<b>Sun Roof (Limit/Close)</b>	N/A		
<b>Memory Seat 1</b>	blue/yellow	+ resistor	Memory Seat Module, 26 pin plug, pin 13
<b>Memory Seat 2</b>	same as memory seat 1	+ resistor	
<b>Memory Seat 3</b>	blue/green	+ resistor	Memory Seat Module, 26 pin plug, pin 8
<b>Radio 12V</b>	red/yellow	+	radio, 16 pin plug, pin 15
<b>Radio Ground</b>	brown	-	radio, 16 pin plug, pin 12
<b>Radio Ignition</b>	(CAN bus)		
<b>Radio Illumination</b>	(CAN bus)		
<b>Factory Amp Turn-on</b>	white/red (base amp), MOST bus (BOSE amp)	+	radio, 12 pin plug, pin 4
<b>Power Antenna</b>	white	+	radio, 16 pin plug, pin 14
<b>Left Front Speaker (+/-)</b>	red - brown/red or blue/black - black	+,-	radio, 8 pin plug, pins 3 and 7
<b>Right Front Speaker (+/-)</b>	red - brown/red or orange/brown - orange/black	+,-	radio, 8 pin plug, pins 2 and 6
<b>Left Rear Speaker (+/-)</b>	blue - brown/blue or blue/white - black/white	+,-	radio, 8 pin plug, pins 4 and 8
<b>Right Rear Speaker (+/-)</b>	blue - brown/blue or gray/red - blue/red	+,-	radio, 8 pin plug, pins 1 and 5
<b>Center Channel (+/-)</b>	blu/red - gry/red (base), red/yel - brn/yel (BOSE)	+,-	amplifier, 20 pin plug, pins 4 and 14, or 32 pin plug, pins 8 and 20
<b>Subwoofer (+/-)</b>	gray/red - blue/red (BOSE amp)	+,-	amplifier, 32 pin plug, pins 10 and 22
<b>Aux. Audio Input Left (+/-)</b>	gray - yellow	+,-	radio, 12 pin plug, pins 2 and 8
<b>Aux. Audio Input Right (+/-)</b>	green - yellow	+,-	radio, 12 pin plug, pins 7 and 8
<b>RSE Video (+/-)</b>	N/A		
<b>RSE Audio Left (+/-)</b>	N/A		

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DirectWire Vehicle RSE Audio Right (+/-)	Information - 11/30/2011 2:08:41 AM 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		

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*What Fits*

Item	Size	Depth	Location
<b>Headunit</b>	irregular		center of dash
<b>Left Front Speaker</b>	8.6		left front door
<b>Left Front Tweeter</b>	1.8 (tweeter), 3.1 (midrange)		left front dash (tweeter), door (midrange)
<b>Right Front Speaker</b>	8.6		right front door
<b>Right Front Tweeter</b>	1.8 (tweeter), 3.1 (midrange)		right front dash (tweeter), door (midrange)
<b>Left Rear Speaker</b>	6.6		left rear door
<b>Left Rear Tweeter</b>	2.3		left rear door (tweeter), pillar (surround)
<b>Right Rear Speaker</b>	6.6		right rear door
<b>Right Rear Tweeter</b>	2.3		right rear door (tweeter), pillar (surround)
<b>Center Channel</b>	2.3		top center of dash
<b>Subwoofer</b>			spare tire well
<b>Left Front Headrest</b>			
<b>Right Front Headrest</b>			
<b>Left Right Headrest</b>			
<b>Right Rear Headrest</b>			
<b>Satellite Radio Tuner</b>	(built into radio)		

*Additional Wiring Notes*

Item	Note
<b>Can Bus High</b>	The VESCM (Vehicle Electrical System Control Module) is under the driver dash, above the accelerator pedal.
<b>Can Bus Low</b>	The VESCM (Vehicle Electrical System Control Module) is under the driver dash, above the accelerator pedal.
<b>Trunk Release Motor</b>	The Comfort System Control Module is in the right rear quarter panel.
<b>Hood Pin</b>	The VESCM (Vehicle Electrical System Control Module) is under the driver dash, above the accelerator pedal.
<b>Parking Lights (-)</b>	The VESCM (Vehicle Electrical System Control Module) is under the driver dash, above the accelerator pedal.
<b>Headlight</b>	The VESCM (Vehicle Electrical System Control Module) is under the driver dash, above the accelerator pedal.
<b>AutoLights</b>	The VESCM (Vehicle Electrical System Control Module) is under the driver dash, above the accelerator pedal.
<b>Hazards</b>	The VESCM (Vehicle Electrical System Control Module) is under the driver dash, above the accelerator pedal.
<b>Parking Lights (+)</b>	The VESCM (Vehicle Electrical System Control Module) is under the driver dash, above the accelerator pedal. The LR - RR wires are gray/black - gray at the Comfort System Control Module, 12 pin plug, pin 10; 12 pin plug, pin 5. The Comfort System Control Module is in the right rear quarter panel.
<b>Turn Signal (Left)</b>	The VESCM (Vehicle Electrical System Control Module) is under the driver dash, above the accelerator pedal.
<b>Turn Signal (Right)</b>	The VESCM (Vehicle Electrical System Control Module) is under the driver dash, above the accelerator pedal.
<b>Trunk Hatch/Release</b>	The Comfort System Control Module is in the right rear quarter panel. Meter these wires while opening the liftgate/liftgate glass from the handles on the rear of the vehicle.
<b>Trunk/Hatch Pin</b>	The Comfort System Control Module is in the right rear quarter panel.
<b>Factory Alarm Arm</b>	Meter this wire while turning the key in the driver door key cylinder. On some models, this wire only controls the power locks and power windows, and will not control the factory alarm.
<b>Horn Trigger</b>	The VESCM (Vehicle Electrical System Control Module) is under the driver dash, above the accelerator pedal.
<b>Reverse Light</b>	The VESCM (Vehicle Electrical System Control Module) is under the driver dash, above the accelerator pedal. Also found black/blue (+) at the Comfort System Control Module, 23 pin plug, pin 22. The Comfort System Control Module is in the right rear quarter panel.
<b>Dome Supervision</b>	The VESCM (Vehicle Electrical System Control Module) is under the driver dash, above the accelerator pedal.
<b>Rear Defroster</b>	The rear window defogger relay is on the VESCM assembly. The VESCM (Vehicle Electrical System Control Module) is under the driver dash, above the accelerator pedal.
<b>Subwoofer (+/-)</b>	If equipped, the amplifier is in the right rear quarter panel. The subwoofer amp turn on wire is red at the amplifier, 32 pin plug, pin 23.
<b>Memory Seat 1</b>	The Memory Seat Module is under the driver seat.
<b>Memory Seat 3</b>	The Memory Seat Module is under the driver seat.
<b>Center Channel (+/-)</b>	If equipped, the amplifier is in the right rear quarter panel.
<b>Left Front Speaker (+/-)</b>	If equipped, the amplifier is in the right rear quarter panel. On vehicles with amplifier, the speaker wires are red - brown/red at the amplifier, 20 pin plug, pins 12 and 2 (base amp), or 32 pin plug, pins 7 and 19 (BOSE amp). The low range wires are white/black - brown/black at the amplifier, 32 pin plug, pins 3 and 15 (BOSE amp).
<b>Right Front Speaker (+/-)</b>	If equipped, the amplifier is in the right rear quarter panel. On vehicles with amplifier, the speaker wires are red - brown/red at the amplifier, 20 pin plug, pins 13 and 3 (base amp), or 32 pin plug, pins 18 and 6 (BOSE amp). The low range wires are white/red - brown/red at the amplifier, 32 pin plug, pins 5 and 17 (BOSE amp).