

2009 Porsche 911 Carrera 997



Wiring Information

Item	Wire Color	Polarity	Wire Location
12 Volts	red/blue (80A)	+	ignition relay above driver kick
Second 12 Volts	red/gray (150A)	+	driver dash fuse holder A
Starter	red/gray (for starter kill only)	+	starter relay above driver kick
Second Starter	N/A		
Ignition	black (for ignition sense only)	+	ignition relay above driver kick
Second Ignition			
Third Ignition			
Accessory	black/gray (for accessory sense only)	+	heater relay above driver kick
Second Accessory			
Third Accessory			
Key Sense	N/A		
Data Bus			
Can Bus High	yellow	data	VESCM, 42 pin plug (A), pin 37
Can Bus Low	black	data	VESCM, 42 pin plug (A), pin 38
Can Bus Sw	N/A		
Power Lock	black/white	-	central lock switch or Rear Control Unit, 23 pin plug (A), 12
Power Unlock	same as power lock	-	
Lock Motor	brown/red	5 wire	Driver Door Control Unit, 20 pin plug, pin 2
Unlock Motor	black/red	5 wire	Driver Door Control Unit, 20 pin plug, pin 1
Disarm Defeat	black/red	5 wire	Passenger Door Control Unit, 20 pin plug, pin 1
Parking Lights (+)	gray	+	headlight sw or Front End Control Unit, 42 pin plug (A), pin 29
Parking Lights (-)	N/A		
Hazards	black/orange	-	hazard switch or Front End Control Unit, 42 pin plug (A), pin 28
Turn Signal (Left)	black/white (F); black/white (R)	+	Front End Control Unit, 42 pin plg (B), pin 34; 42 pin plg (A), pin 36
Turn Signal (Right)	black/green (F); black/green (R)	+	Front End Control Unit, 42 pin plg (B), pin 21; 42 pin plg (A), pin 31

Wiring Information (Continued)

Item	Wire Color	Polarity	Wire Location
Headlight	red	+	headlight sw or Front End Control Unit, 42 pin plug (A), pin 38
AutoLights	yellow/red (interrupt to turn off autolights)	+	headlight switch or VESCM, 42 pin plug (A), pin 33
Reverse Light	black/blue	+	Rear Control Unit, 23 pin plug (A), pin 22
Left Front Door Trigger	green/black	-	Driver Door Control Unit, 20 pin plug, pin 13
Right Front Door Trigger	green/black	-	Passenger Door Control Unit, 20 pin plug, pin 13
Left Rear Door Trigger	N/A		
Right Rear Door Trigger	N/A		
Dome Supervision	brown/purple	-	VESCM, 42 pin plug (A), pin 35
Trunk/Hatch Pin	brown/white	-	Rear Control Unit, 23 pin plug (A), pin 5
Rear Glass Pin	N/A		
Hood Pin	yellow/white	-	Front End Control Unit, 42 pin plug (B), pin 19
Trunk Hatch/Release	white/red (front), red/black (rear)	-	release switch or VESCM, 42 pin plug (A), pins 12 and 13
Trunk Release Motor	blue (rear)	5 wire	Rear Control Unit, 23 pin plug (A), pin 19
Fuel Door Release	blue	5 wire	VESCM, 42 pin plug (A), pin 25
Power Sliding Door (Left)	N/A		
Power Sliding Door (Right)	N/A		
Factory Alarm Arm	brown/black	-	Driver Door Control Unit, 20 pin plug, pin 15
Factory Alarm Disarm	same as factory alarm arm	- 250 ohms	
Disarm No Unlock	Transponder and ignition		
Trunk Alarm Shunt	N/A		
Tachometer	brown/blue, brown/yellow, gray/brown or blue/brown	ac	any fuel injector or ECM, 96 pin plug (B), pins 49, 50, 51 or 52
Wait to Start	N/A		
Neutral Safety	N/A		
Clutch Pedal	brown (in), yellow/purple (out)	- N.O.	clutch switch, 2 pin plug, pins B and A
Fuel Pump	green/black	+	fuel pump relay above driver kick
Rear Defroster	brown/red	+ latched	VESCM, 42 pin plug (B), pin 10
Mirror Defroster	white/green	5 wire	Driver and Passenger Door Control Unit, 12 pin plug, pin 7
Left Front Heated Seat	red/brown	5 wire	VESCM, 42 pin plug (B), pin 25
Right Front Heated Seat	red/brown	5 wire	VESCM, 42 pin plug (A), pin 1

Wiring Information (Continued)

Item	Wire Color	Polarity	Wire Location
Speed Sense	white/brown	ac	Front End Control Unit, 42 pin plug (A), pin 37
Brake Wire	black/yellow (functions with ignition on only)	+	brake switch or Rear Control Unit, 23 pin plug (A), pin 6
Parking Brake	yellow	-	parking brake switch, 2 pin plug, pin 1
Horn Trigger	black/yellow (L), black/orange (H)	+	Front End Control Unit, 42 pin plug (B), pins 22 and 1
Wipers	black/orange (L), black (H)	+	VEBCM, 42 pin plug (B), pins 1 and 4
Left Front Window (Up/Down)	use factory alarm arm/disarm		
Right Front Window (Up/Down)	see left front window		
Left Rear Window (Up/Down)	N/A		
Right Rear Window (Up/Down)	N/A		
Sun Roof (Open/Close)	green/brown (functions with ignition on only)	- resistor	convertible top/glass roof switch
Sun Roof (Limit/Close)	N/A		
Memory Seat 1	blue/black	- resistor	Driver Door Control Unit, 28 pin plug, pin 27
Memory Seat 2	same as memory seat 1	- resistor	
Memory Seat 3	N/A		
Radio 12V	red/brown	+	radio, 16 pin plug (A), pin 15
Radio Ground	brown	-	radio, 16 pin plug (A), pin 12
Radio Ignition	(CAN bus)		
Radio Illumination	(CAN bus)		
Factory Amp Turn-on	white/red (base amp), MOST bus (BOSE amp)	+	radio, 12 pin plug (C), pin 4
Power Antenna	white	+	radio, 16 pin plug (A), pin 14
Left Front Speaker (+/-)	white - white/black	+,-	radio, 8 pin plug (B), pins 3 and 7
Right Front Speaker (+/-)	gray - gray/black	+,-	radio, 8 pin plug (B), pins 2 and 6
Left Rear Speaker (+/-)	green - green/black	+,-	radio, 8 pin plug (B), pins 4 and 8
Right Rear Speaker (+/-)	purple - purple/black	+,-	radio, 8 pin plug (B), pins 1 and 5
Center Channel (+/-)	blue - blue/black	+,-	amp, 20 pin plg, pins 4, 14 (base), 32 pin plg, pins 8, 20 (BOSE)
Subwoofer (+/-)	orange - orange/brown (BOSE amp)	+,-	amplifier, 32 pin plug, pins 10 and 22
Aux. Audio Input Left (+/-)	pink - orange	+,-	radio, 12 pin plug (D), pins 2 and 8
Aux. Audio Input Right (+/-)	green - orange	+,-	radio, 12 pin plug (D), pins 7 and 8
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		

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DirectWire Vehicle Information - 12/9/2011 1:40:21 AM			
Satellite Audio Left (+/-)	N/A		
Satellite Audio Right (+/-)	N/A		

What Fits

Item	Size	Depth	Location
Headunit	irregular		center of dash
Left Front Speaker	8.0		left front door
Left Front Tweeter	1.0 (tweeter), 3.0 (midrange)		left front dash (tweeter), door (midrange)
Right Front Speaker	8.0		right front door
Right Front Tweeter	1.0 (tweeter), 3.0 (midrange)		right front dash (tweeter), door (midrange)
Left Rear Speaker	3.0		left rear side panel
Left Rear Tweeter	1.0		left rear side panel
Right Rear Speaker	3.0		right rear side panel
Right Rear Tweeter	1.0		right rear side panel
Center Channel	2.5		top center of dash
Subwoofer	4.0 x 6.0		right side of front center console
Left Front Headrest			
Right Front Headrest			
Left Right Headrest			
Right Rear Headrest			
Satellite Radio Tuner	(built into radio)		

Additional Wiring Notes

Item	Note
Left Front Heated Seat	The VESCM (Vehicle Electrical System Control Module) is under the driver dash.
Right Front Heated Seat	The VESCM (Vehicle Electrical System Control Module) is under the driver dash.
Speed Sense	The Front End Control Unit is in the right side of the front luggage compartment.
Horn Trigger	The Front End Control Unit is in the right side of the front luggage compartment.
Wipers	The VESCM (Vehicle Electrical System Control Module) is under the driver dash.
Trunk Hatch/Release	The VESCM (Vehicle Electrical System Control Module) is under the driver dash.
Power Lock	The Rear Control Unit is under the driver seat.
Trunk Release Motor	The Rear Control Unit is under the driver seat. The front trunk release motor wire is brown/black (5 wire) at the Front End Control Unit, 42 pin plug (B), pin 36. The Front End Control Unit is in the right side of the front luggage compartment.
Hood Pin	The Front End Control Unit is in the right side of the front luggage compartment.
Trunk/Hatch Pin	The Rear Control Unit is under the driver seat.
Reverse Light	The Rear Control Unit is under the driver seat.
Brake Wire	The Rear Control Unit is under the driver seat.
Hazards	The Front End Control Unit is in the right side of the front luggage compartment.
Turn Signal (Left)	The Front End Control Unit is in the right side of the front luggage compartment.
Turn Signal (Right)	The Front End Control Unit is in the right side of the front luggage compartment.
AutoLights	The VESCM (Vehicle Electrical System Control Module) is under the driver dash.
Parking Lights (+)	The Front End Control Unit is in the right side of the front luggage compartment.
Headlight	The Front End Control Unit is in the right side of the front luggage compartment.
Dome Supervision	The VESCM (Vehicle Electrical System Control Module) is under the driver dash.
Fuel Door Release	The VESCM (Vehicle Electrical System Control Module) is under the driver dash.
Factory Alarm Arm	Meter this wire while turning the key in the driver door key cylinder.
Can Bus High	The VESCM (Vehicle Electrical System Control Module) is under the driver dash.
Can Bus Low	The VESCM (Vehicle Electrical System Control Module) is under the driver dash.
Tachometer	The ECM (Engine Control Module) is in the left front corner of the engine compartment.
Rear Defroster	The VESCM (Vehicle Electrical System Control Module) is under the driver dash.
Left Front Speaker (+/-)	If equipped, the amplifier is under the passenger seat. On vehicles with amplifier, the low range wires are white/red - white/brown at the amplifier, 20 pin plug, pins 5 and 15 (base amp), or 32 pin plug, pins 3 and 15 (BOSE amp). The high range wires are white - white/black at the amplifier, 20 pin plug, pins 12 and 2 (base amp), or 32 pin plug, pins 7 and 19 (BOSE amp).
Right Front Speaker (+/-)	If equipped, the amplifier is under the passenger seat. On vehicles with amplifier, the low range wires are gray/red - gray/brown at the amplifier, 20 pin plug, pins 10 and 20 (base amp), or 32 pin plug, pins 5 and 17 (BOSE amp). The high range wires are gray - gray/black at the amplifier, 20 pin plug, pins 13 and 3 (base amp), or 32 pin plug, pins 18 and 6 (BOSE amp).
Subwoofer (+/-)	If equipped, the amplifier is under the passenger seat. The subwoofer amp turn on wire is white/yellow at the amplifier, 32 pin plug, pin 23.
Center Channel (+/-)	If equipped, the amplifier is under the passenger seat.
Left Rear Speaker (+/-)	If equipped, the amplifier is under the passenger seat. On vehicles with amplifier, the speaker wires are green - green/black at the amplifier, 20 pin plug, pins 6 and 16 (base amp), or 32 pin plug, pins 12 and 11 (BOSE amp).
Right Rear Speaker (+/-)	If equipped, the amplifier is under the passenger seat. On vehicles with amplifier, the speaker wires are purple - purple/black at the amplifier, 20 pin plug, pins 17 and 7 (base amp), or 32 pin plug, pins 13 and 14 (BOSE amp).