

2010 Volkswagen Passat - North America

**Wiring Information**

Item	Wire Color	Polarity	Wire Location
12 Volts	red/white (50A)	+	VESCM, relay box under driver dash, 2 pin plug (L), pin 1
Starter	red/gray (without auto start/stop); red/brown (with auto start/stop)	+	VESCM, relay box under driver dash, 12 pin plug (G), pin 1; electronic ignition switch, black 16 pin plug, pin 6
Ignition	red/violet	+	VESCM, relay box under driver dash, 12 pin plug (G), pin 11
Keysense	green	+	electronic ignition switch, black 16 pin plug, pin 16
CAN Bus High	orange/black	data	data link connector, black 16 pin plug, pin 6
CAN Bus Low	orange/brown	data	data link connector, black 16 pin plug, pin 14
CAN Bus High 2	orange/green	data	VESCM, relay box under driver dash, 12 pin plug (G), pin 8
CAN Bus Low 2	orange/brown	data	VESCM, relay box under driver dash, 12 pin plug (G), pin 7
IMMO Antenna	white	RF	electronic ignition switch, black 16 pin plug, pin 1
Power Lock	brown/green	- 765 ohms	Driver Door Module, 32 pin plug, pin 32
Power Unlock	(same as power lock)	-	
Lock Motor	white	5 wire	Driver Door Module, 20 pin plug, pin 13
Driver Unlock Motor	white	5 wire	Driver Door Module, 20 pin plug, pin 12
Passenger Unlock Motor	white	5 wire	Passenger Door Module, 20 pin plug, pin 12
Factory Alarm Arm	white (driver door key lock)	-	Driver Door Module, 20 pin plug, pin 16
Factory Alarm Disarm	(same as factory alarm arm)	- 250 ohms	
Disarm No Unlock	(transponder and ignition)		
Parking Lights (+)	gray/yellow	+	headlight switch, black 10 pin plug, pin 3
Parking Lights Interrupt	red/black	cut	headlight switch, black 10 pin plug, pin 8
Hazards	brown/red	-	VESCM, relay box under driver dash, 12 pin plug (G), pin 9

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Item	Wire Color	Polarity	Wire Location
Turn Signal (Left)	black/white (F); black or black/white (R)	+	VESCM, 11 pin plug (D), pin 11; 12 pin plug (C), pin 11
Turn Signal (Right)	black/green (F); black/green (R)	+	VESCM, 11 pin plug (A), pin 6; 12 pin plug (B), pin 10
Headlight	white/black	+	VESCM, relay box under driver dash, 16 pin plug (E), pin 8
AutoLights	violet (interrupt to turn off)	+	VESCM, relay box under driver dash, 16 pin plug (E), pin 14
Reverse Light	gray/white	+	VESCM, relay box under driver dash, 12 pin plug (C), pin 12
Left Front Door Trigger	white	-	Driver Door Module, 20 pin plug, pin 7
Right Front Door Trigger	white	-	Passenger Door Module, 20 pin plug, pin 7
Left Rear Door Trigger	white	-	Left Rear Door Module, 20 pin plug, pin 12
Right Rear Door Trigger	white	-	Right Rear Door Module, 20 pin plug, pin 12
Dome Light	red/violet	-	VESCM, relay box under driver dash, 12 pin plug (B), pin 11
Trunk/Hatch Pin	yellow/blue (sedan); brown/black (wagon)	-	driv kick or Comfort Module behind glove box, 18 pin plug, pin 15
Hood Pin	brown/green	-	VESCM, relay box under driver dash, 8 pin plug (F), pin 5
Trunk/Hatch Release	green/white	-	Driver Door Module, 32 pin plug, pin 30
Trunk Release Motor	red/violet	5 wire	dr kick or Comfort Mod bhnd glove box, 18P plg, pin 4 or 8P plg, pin 8
Fuel Door Release	violet	-	Driver Door Module, 32 pin plug, pin 13
Tachometer	brown/stripes (4-cyl); non common wire (6-cyl)	ac	any fuel injector
Clutch Pedal	violet/black	-	VESCM, relay box under driver dash, 16 pin plug (E), pin 7
Fuel Pump	red/black	-	VESCM, relay box under driver dash, 11 pin plug (A), pin 10
Rear Defroster	black (sedan); red/black (wagon)	+ latched	VESCM, relay box under driver dash, 10 pin plug (K), pin 1

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Item	Wire Color	Polarity	Wire Location
Mirror Defroster	yellow	-	Driver Door Module, 32 pin plug, pin 28
Left Front Heated Seat	(CAN bus)		
Right Front Heated Seat	(CAN bus)		
Speed Sense	white/violet (with power sunroof)	ac	instrument cluster, 32 pin plug, pin 9
Brake Wire	black/red (functions with ignition on only)	+	VEBCM, relay box under driver dash, 16 pin plug (E), pin 2
Parking Brake	blue/white	-	electronic parking brake switch, 10 pin plug, pin 7
Horn Trigger	black/white	+	VEBCM, relay box under driver dash, 6 pin plug (J), pin 6
Wipers	(LIN bus)		
Left Front Window (Up/Down)	(use factory alarm arm/disarm)		
Right Front Window (Up/Down)	(see left front window)		
Left Rear Window (Up/Down)	(see left front window)		
Right Rear Window (Up/Down)	(see left front window)		
Sun Roof (Open/Close)	(use factory alarm arm/disarm)		
Memory Seat 1	blue/yellow or white	+ resistor	Memory Seat Module under driver seat, 26 pin plug, pin 13
Memory Seat 2	(same as memory seat 1)	+ resistor	
Memory Seat 3	blue/green	+ resistor	Memory Seat Module under driver seat, 26 pin plug, pin 8
Radio 12V	red/yellow	+	radio, 16 pin plug, pins 15, 16
Radio Ground	brown	-	radio, 16 pin plug, pin 12
Radio Ignition	(CAN bus)		
Radio Illumination	(CAN bus)		
Factory Amp Turn-on	(CAN bus)		
Left Front Speaker (+/-)	red/blue - brown/blue or white - black	+,-	radio, 16 pin plug, pins 3 - 7
Right Front Speaker (+/-)	red/green - brown/green or yellow - black	+,-	radio, 16 pin plug, pins 2 - 6
Left Rear Speaker (+/-)	red/white - brown/white or black - brown	+,-	radio, 16 pin plug, pins 4 - 8

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Item	Wire Color	Polarity	Wire Location
Right Rear Speaker (+/-)	red/violet - brown/violet or green - black	+,-	radio, 16 pin plug, pins 1 - 5
Aux. Audio Input Left (+/-)	green - gray	+,-	radio, 12 pin plug, pins 12 - 2
Aux. Audio Input Right (+/-)	yellow - gray	+,-	radio, 12 pin plug, pins 11 - 2
Satellite Radio 12 Volts	red/black	+	Satellite Radio in trunk R side, 8 pin plug, pin 2
Satellite Radio Ground	brown	-	Satellite Radio in trunk R side, 8 pin plug, pin 1
Satellite Radio Ignition	(CAN bus)		
Satellite Radio Antenna	(coaxial cable)		
Satellite Audio Left (+/-)	violet - blue	+,-	Satellite Radio, 8 pin plug, pins 6 - 5
Satellite Audio Right (+/-)	white - blue	+,-	Satellite Radio, 8 pin plug, pins 7 - 5

2010 Volkswagen Passat - North America***What Fits***

Item	Size	Depth	Location
Headunit	irregular		center of dash
Left Front Speaker	6.5		left front door
Left Front Tweeter			left front door
Right Front Speaker	6.5		right front door
Right Front Tweeter			right front door
Left Rear Speaker	6.5		left rear door
Left Rear Tweeter			left rear door
Right Rear Speaker	6.5		right rear door
Right Rear Tweeter			right rear door
Satellite Radio Tuner			right side of trunk

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**Additional Wiring Notes**

Item	Note
Left Front Speaker (+/-)	On models with amplifier, the low range wires are red/blue - brown/blue at the amplifier under driver seat, 24 pin plug, pins 9 - 8. The mid range wires are blue - brown/blue at the amplifier, 23 pin plug, pins 3 - 2. The high range wires are red/gray - brown/gray at the amplifier, 23 pin plug, pins 9 - 6.
Left Rear Speaker (+/-)	On models with amplifier, the low range wires are red/white - brown/white at the amplifier under driver seat, 24 pin plug, pins 4 - 10. The high range wires are blue/purple - white/purple at the amplifier, 24 pin plug, pins 1 - 7.
Right Front Speaker (+/-)	On models with amplifier, the low range wires are red/green - brown/green at the amplifier under driver seat, 23 pin plug, pins 11 - 12. The mid range wires are blue/black - brown/black at the amplifier, 24 pin plug, pins 12 - 11. The high range wires are red/black - brown/black at the amplifier, 23 pin plug, pins 15 - 18.
Right Rear Speaker (+/-)	On models with amplifier, the low range wires are red/purple - brown/purple at the amplifier under driver seat, 24 pin plug, pins 3 - 2. The high range wires are blue/gray - white/gray at the amplifier, 24 pin plug, pins 6 - 5.