

2012 Volkswagen Touareg



Wiring Information

Item	Wire Color	Polarity	Wire Location
12 Volts	red/yellow (30A)	+	Comfort System Module left of column, 17 pin plug (A), pin 15
Second 12 Volts	N/A		
Starter	yellow/purple, yellow/black, black	-	electronic ignition switch, 16 pin plug, pins 13, 14, 6
Second Starter	green/yel (SS1); green/wht (SS2) (push-button st)	-	start/stop button, 4 pin plug, pins 3, 4
Ignition	black/blue (for ignition sense only)	+	VESCM above gas pedal, 32 pin plug (B), pin 16
Second Ignition	N/A		
Third Ignition	N/A		
Accessory	gray/red (for accessory sense only)	+	Comfort System Module left of column, 32 pin plug (B), pin 15
Second Accessory	N/A		
Third Accessory	N/A		
Key Sense	black/gray	-	electronic ignition switch, 16 pin plug, pin 5
Data Bus	IMMOBILIZER AND IGNITION INTERFACE REQUIRED FOR RS		
Can Bus High	orange/green (Comfort System CAN)	data	Comfort System Module left of column, 32 pin plug (B), pin 19
Can Bus Low	orange/brown (Comfort System CAN)	data	Comfort System Module left of column, 32 pin plug (B), pin 20
Can Bus Sw	N/A		
Power Lock	brown/green	- resistor	Driver Door Module, 32 pin plug, pin 28
Power Unlock	(same as power lock)	- resistor	
Lock Motor	purple/green	5 wire	Driver Door Module, 20 pin plug, pin 13
Unlock Motor	blue/green	5 wire	Driver Door Module, 20 pin plug, pin 11
Disarm Defeat	blue/green	5 wire	Passenger Door Module, 20 pin plug, pin 11
Parking Lights (+)	green/brown (LF); gray/red (RF)	+	VESCM above gas pedal, 17 pin plg(E), pin 2; 17 pin plg(F), pin 12
Parking Lights (-)	(LIN bus)		
Hazards	gray/blue	-	VESCM above gas pedal, 32 pin plug (A), pin 8
Turn Signal (Left)	yellow/blue (F); black/white (R)	+	VESCM, 17 pin plg (E), pin 5; Cmft System Mod, 17 pin plg (A), pin 12
Turn Signal (Right)	black/yellow (F); black/green (R)	+	VESCM, 17 pin plg(F), pin10; Cmft System Mod, 17 pin plg (C), pin 13

Wiring Information (Continued)

Item	Wire Color	Polarity	Wire Location
Headlight	yellow/green (L); yellow/green (R)	+	VESCM above gas pedal, 17 pin plg(E), pin15; 17 pin plg(F), pin15
AutoLights	(LIN bus)		
Reverse Light	blue/yellow	+	Comfort System Module left of column, 17 pin plug (C), pin 14
Left Front Door Trigger	red/blue	-	Driver Door Module, 20 pin plug, pin 5
Right Front Door Trigger	red/blue	-	Passenger Door Module, 20 pin plug, pin 5
Left Rear Door Trigger	red/blue	-	Left Rear Door Module, 20 pin plug, pin 5
Right Rear Door Trigger	red/blue	-	Right Rear Door Module, 20 pin plug, pin 5
Dome Supervision	purple/blue	-	VESCM above gas pedal, 17 pin plug (D), pin 9
Trunk/Hatch Pin	black/blue or black/white	-	Comfort System Module left of column, 32 pin plug (E), pin 8 or 4
Rear Glass Pin	N/A		
Hood Pin	yellow/white	-	VESCM above gas pedal, 32 pin plug (B), pin 3
Trunk Hatch/Release	white/brown	-	Driver Door Module, 32 pin plug, pin 23
Trunk Release Motor	black/yellow (without closing assist only)	5 wire	Comfort System Module left of column, 17 pin plug (A), pin 5
Fuel Door Release	blue/brown or blue/green (lock/unlock)	5 wire	Comfort System Module left of column, 17 pin plug (A), pin 6 or 7
Power Sliding Door (Left)	N/A		
Power Sliding Door (Right)	N/A		
Factory Alarm Arm	blue/yellow (driver door key lock)	-	Driver Door Module, 20 pin plug, pin 1
Factory Alarm Disarm	(same as factory alarm arm)	- 250 ohms	
Disarm No Unlock	(transponder and ignition)		
Trunk Alarm Shunt	N/A		
Tachometer	(non common wire)	ac	any fuel injector
Wait to Start	N/A		
Neutral Safety	N/A		
Clutch Pedal	N/A		
Fuel Pump	red/green	+	driver kick, harness to rear
Rear Defroster	yellow/red	+ latched	Comfort System Module left of column, 32 pin plug (B), pin 4
Mirror Defroster	(CAN bus, mirror def); black/white(windshield def)	-	VESCM above gas pedal, 32 pin plug (A), pin 14
Left Front Heated Seat	(CAN bus)		
Right Front Heated Seat	(CAN bus)		

Wiring Information (Continued)

Item	Wire Color	Polarity	Wire Location
Speed Sense	(wheel speed sensor)		
Brake Wire	black/red	+	Comfort System Module left of column, 32 pin plug (E), pin 2
Parking Brake	purple/green	-	electric parking brake switch, 12 pin plug, pin 8
Horn Trigger	white/purple	+	VESCM above gas pedal, 32 pin plug (B), pin 29
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)		
Sun Roof (Limit/Close)	N/A		
Memory Seat 1	blue/red	- resistor	Driver Door Module, 32 pin plug, pin 19
Memory Seat 2	(same as memory seat 1)	- resistor	
Memory Seat 3	(same as memory seat 1)	- resistor	
Radio 12V	red/yellow	+	radio, black 16 pin plug, pins 15, 16
Radio Ground	brown	-	radio, black 16 pin plug, pin 12
Radio Ignition	(CAN bus)		
Radio Illumination	(CAN bus)		
Factory Amp Turn-on	(MOST bus)		
Power Antenna	N/A		
Left Front Speaker (+/-)	yellow - brown/yellow	+,-	radio, brown 8 pin plug, pins 3 - 7
Right Front Speaker (+/-)	green - brown/purple	+,-	radio, brown 8 pin plug, pins 2 - 6
Left Rear Speaker (+/-)	gray - brown/gray	+,-	radio, brown 8 pin plug, pins 4 - 8
Right Rear Speaker (+/-)	purple - brown/purple	+,-	radio, brown 8 pin plug, pins 1 - 5
Center Channel (+/-)	red/blue - brn/blue (mid); red/yel - brn/yel (tw)	+,-	amplifier in left rear quarter panel, 32 pin plug, pins 5 - 17; 12 - 11
Subwoofer (+/-)	N/A		
Aux. Audio Input Left (+/-)	green - gray	+,-	radio, 12 pin plug, pins 1 - 2
Aux. Audio Input Right (+/-)	yellow - gray	+,-	radio, 12 pin plug, pins 7 - 2
RSE Video (+/-)	(coaxial cable)		
RSE Audio Left (+/-)	(MOST bus)		
RSE Audio Right (+/-)	(MOST bus)		
Satellite Radio 12 Volts	(built into radio)		
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	irregular		center of dash
Left Front Speaker	6.5	3	left front door
Left Front Tweeter	1 (tweeter); 2 (midrange)	1; 2	left front door
Right Front Speaker	6.5	3	right front door
Right Front Tweeter	1 (tweeter); 2 (midrange)	1; 2	right front door
Left Rear Speaker	6.5	3	left rear door
Left Rear Tweeter	1	1	left rear door
Right Rear Speaker	6.5	3	right rear door
Right Rear Tweeter	1	1	right rear door
Center Channel	3	1.75	top center of dash
Subwoofer	N/A		
Left Front Headrest			
Right Front Headrest			
Left Right Headrest			
Right Rear Headrest			
Satellite Radio Tuner	(built into radio)		

Additional Wiring Notes

Item	Note
Aux. Audio Input Left (+/-)	On models with navigation, they are green - gray at the navigation module in the glove box, 12 pin plug, pins 7 - 1.
Aux. Audio Input Right (+/-)	On models with navigation, they are yellow - gray at the navigation module in the glove box, 12 pin plug, pins 2 - 1.
Radio 12V	On models with navigation, it is red/yellow at the radio in the right rear quarter panel, black 10 pin plug, pins 10.
Radio Ground	On models with navigation, it is brown at the radio in the right rear quarter panel, black 10 pin plug, pins 9.
Left Front Speaker (+/-)	On models with navigation, they are yellow - brown/yellow at the radio in the right rear quarter panel, brown 8 pin plug, pins 3 - 7. On models with amplifier, they are yellow - brown/yellow (tweeter); red/green - brown/green (midrange); red/black - brown/black (woofer) at the amplifier in left rear quarter panel, 32 pin plug, pins 8 - 20; 6 - 18; 25 - 24.
Right Front Speaker (+/-)	On models with navigation, they are green - brown/purple at the radio in the right rear quarter panel, brown 8 pin plug, pins 2 - 6. On models with amplifier, they are green - brown/purple (tweeter); blue/yellow - brown/green (midrange); blue/black - white/black (woofer) at the amplifier in left rear quarter panel, 32 pin plug, pins 9 - 21; 7 - 19; 29 - 30.
Left Rear Speaker (+/-)	On models with navigation, they are purple - brown/purple at the radio in the right rear quarter panel, brown 8 pin plug, pins 4 - 8. On models with amplifier, they are gray - brown/gray (tweeter); red/blue - brown/blue (woofer) at the amplifier in left rear quarter panel, 32 pin plug, pins 3 - 15; 23 - 28.
Right Rear Speaker (+/-)	On models with navigation, they are purple - brown/purple at the radio in the right rear quarter panel, brown 8 pin plug, pins 1 - 5. On models with amplifier, they are purple - brown/purple (tweeter); red/purple - brown/purple (woofer) at the amplifier in left rear quarter panel, 32 pin plug, pins 4 - 16; 10 - 22.
Parking Lights (+)	The LR - RR wires are gray/black - gray/green (+) at the Comfort System Module left of column, 17 pin plug (C), pins 6 - 12.