

DirectWire

2016 Volkswagen Touareg - North America - Requested by ampire.de

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
Starter Kill	Red	+	Starter Relay in underhood fuse/relay box
Ignition Sense	Black/Blue	+	VESCM above gas pedal, 32 pin plug (B), pin 16
PTS 1	Yellow/Violet	-	Electronic Ignition Switch, black 16 pin plug, pin 13
PTS 2	Yellow/Black	-	Electronic Ignition Switch, black 16 pin plug, pin 14
PTS 3	Black	-	Electronic Ignition Switch, black 16 pin plug, pin 6
Keysense	Black/Gray	-	Electronic Ignition Switch, black 16 pin plug, pin 5
Key Release	Blue/Red	+	Electronic Ignition Switch, black 16 pin plug, pin 15
CAN Bus High	Orange/Gray	Data	OBD-Data Link Connector, black 16 pin plug, pin 6
CAN Bus Low	Orange/Brown	Data	OBD-Data Link Connector, black 16 pin plug, pin 14
CAN Bus High 2	Orange/Green	Data	Steering Column Module, black 16 pin plug, pin 9
CAN Bus Low 2	Orange/Brown	Data	Steering Column Module, black 16 pin plug, pin 8
CAN Bus High 3	Orange/Green	Data	Comfort System Module left of column, 32 pin plug (B), pin 19

Item	Wire Color	Polarity	Wire Location
CAN Bus Low 3	Orange/Brown	Data	Comfort System Module left of column, 32 pin plug (B), pin 20
OBD 12 Volts	Red/Yellow (7.5A)	+	OBD-Data Link Connector, black 16 pin plug, pin 16
OBD Ground	Brown	-	OBD-Data Link Connector, black 16 pin plug, pin 4
OBD Ignition	Black/Blue	+	OBD-Data Link Connector, black 16 pin plug, pin 1
Power Lock	white/brown	- resistor	Driver Door Module, 32 pin plug, pin 28
Lock Motor	violet/green	5 wire	Driver Door Module, 20 pin plug, pin 13
Driver Unlock Motor	blue/green	5 wire	Driver Door Module, 20 pin plug, pin 11
Passenger Unlock Motor	blue/green	5 wire	Passenger Door Module, 20 pin plug, pin 11
Factory Alarm Arm	blue/yellow (driver door key lock)	-	Driver Door Module, 20 pin plug, pin 1
Parking Lights	green/brown (LF); gray/red (RF)	+	VESCM above gas pedal, 17 pin plug (E), pin 2; 17 pin plug (F), pin 12
Parking Lights 2	gray/black (LR); gray/green (RR)	+	Comfort System Module left of column, 17 pin plug (C), pins 6, 12
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 plug (E), pin 5; Comfort System Module, 17 pin plug (C), pin 5
Turn Signal (Right)	black/yellow (F); black/green (R)	+	VESCM, 17 pin plug (F), pin 10; Comfort System Module, 17 pin plug (A), pin 11
Headlight	yellow/green (L); yellow/green (R)	+	VESCM above gas pedal, 17 pin plug (E), pin 15; 17 pin plug (F), pin 15
Reverse Light	blue/yellow	+	Comfort System Module left of column, 17 pin plug (C), pin 14

Item	Wire Color	Polarity	Wire Location
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 Light	violet/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, white 32 pin plug (E), pin 8 or 4
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
Tachometer	(non common wire)	ac	any fuel injector
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
Wiper Deicer	black/white	-	VESCM above gas pedal, 32 pin plug (A), pin 14
Brake Wire	Black/Red	+	Comfort System Module left of column, white 32 pin plug (E), pin 2
Parking Brake	violet/green	-	electric parking brake switch, 12 pin plug, pin 8

Item	Wire Color	Polarity	Wire Location
Horn Trigger	white/violet	+	VESCM above gas pedal, 32 pin plug (B), pin 29
Memory Seat 1	blue	- resistor	Driver Door Module, 32 pin plug, pin 19
Radio 12V	red/yellow	+	radio, black 16 pin plug, pins 15, 16
Radio Ground	brown	-	radio, black 16 pin plug, pin 12
Left Front Speaker (+/-)	yellow - brown/yellow	+,-	radio, brown 8 pin plug, pins 3 - 7
Right Front Speaker (+/-)	green - brown/violet	+,-	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 (+/-)	violet - brown/violet	+,-	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
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

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What Fits

Item	Size	Depth	Location
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

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Additional Wiring Notes

Item	Note
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.
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.