

## 2013 Volkswagen Golf



### Wiring Information

Item	Wire Color	Polarity	Wire Location
<b>12 Volts</b>	red (30A)	+	VESCM, relay box under driver dash, black 52 pin plug, pin 1
<b>Second 12 Volts</b>	red/yellow (30A)	+	VESCM, rly box under dr dash, bn 52 pin plg, pin42
<b>Starter</b>	red/black	+	VESCM, brown 52 pin plug, pin 14, or white 52 pin plug, pin 29
<b>Second Starter</b>	pur/yel (SS1); pur/blk (SS2) (push-button start)	- resistor	start system button, 4 pin plug, pins 3, 4
<b>Ignition</b>	black	+	VESCM, relay box under driver dash, brown 52 pin plug, pin 31
<b>Second Ignition</b>	N/A		
<b>Third Ignition</b>	N/A		
<b>Accessory</b>	black/purple (for accessory sense only)	+	VESCM, relay box under driver dash, white 52 pin plug, pin 28
<b>Second Accessory</b>	N/A		
<b>Third Accessory</b>	N/A		
<b>Key Sense</b>	black (with push-button start)	+	VESCM, relay box under driver dash, brown 52 pin plug, pin 13
<b>Data Bus</b>	N/A		
<b>Can Bus High</b>	orange/green	data	VESCM, relay box under driver dash, brown 52 pin plug, pin 15
<b>Can Bus Low</b>	orange/brown	data	VESCM, relay box under driver dash, brown 52 pin plug, pin 16
<b>Can Bus Sw</b>	N/A		
<b>Power Lock</b>	brown/green (driver door lock switch)	- 800 ohms	Driver Door Module, gray 32 pin plug, pin 32
<b>Power Unlock</b>	(same as power lock)	-	
<b>Lock Motor</b>	yellow	5 wire	Driver Door Module, black 20 pin plug, pin 13
<b>Unlock Motor</b>	purple	5 wire	Driver Door Module, black 20 pin plug, pin 12
<b>Disarm Defeat</b>	purple	5 wire	Passenger Door Module, black 20 pin plug, pin 12
<b>Parking Lights (+)</b>	gray/yellow (some models only)	+	VESCM, relay box under driver dash, black 52 pin plug, pin 19
<b>Parking Lights (-)</b>	N/A		
<b>Hazards</b>	brown/red	-	VESCM, relay box under driver dash, brown 52 pin plug, pin 7
<b>Turn Signal (Left)</b>	black/white (F); black/white (R)	+	VESCM under dr dash, blk 52 pin plg, pin 10; brn 52 pin plg, pin 51
<b>Turn Signal (Right)</b>	black/green (F); black/green (R)	+	VESCM under dr dash, brn 52 pin plug, pin 50; blk 52 pin plug, pin 9

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## Wiring Information (Continued)

Item	Wire Color	Polarity	Wire Location
Headlight	white/black	+	VESCM, relay box under driver dash, black 52 pin plug, pin 22
AutoLights	purple (interrupt to turn off autolights)	+	VESCM, rly box under dr dash, bk 52 pin plg, pin20
Reverse Light	gray/white	+	VESCM, relay box under driver dash, black 52 pin plug, pin 28
Left Front Door Trigger	brown/yellow	-	Driver Door Module, black 20 pin plug, pin 7
Right Front Door Trigger	brown/yellow	-	Passenger Door Module, black 20 pin plug, pin 7
Left Rear Door Trigger	white (with power window)	-	Left Rear Door Module, 18 pin plug, pin 7
Right Rear Door Trigger	white (with power window)	-	Right Rear Door Module, 18 pin plug, pin 7
Dome Supervision	red/purple	-	VESCM, relay box under driver dash, brown 52 pin plug, pin 10
Trunk/Hatch Pin	brown/blue	-	VESCM, relay box under driver dash, black 52 pin plug, pin 29
Rear Glass Pin	N/A		
Hood Pin	brown/green	-	VESCM, relay box under driver dash, black 52 pin plug, pin 14
Trunk Hatch/Release	purple (rear handle switch)	-	VESCM, relay box under driver dash, black 52 pin plug, pin 13
Trunk Release Motor	red/blue	5 wire	VESCM, relay box under driver dash, white 52 pin plug, pin 11
Fuel Door Release	(locks/unlocks along with doors)		
Power Sliding Door (Left)	N/A		
Power Sliding Door (Right)	N/A		
Factory Alarm Arm	green/white (driver door key lock)	-	Driver Door Module, black 20 pin plug, pin 16
Factory Alarm Disarm	(same as factory alarm arm)	- 180 ohms	
Disarm No Unlock	(transponder and ignition)		
Trunk Alarm Shunt	N/A		
Tachometer	red/blk, red/yel, red/pur, red/gray, or red/blue	ac	any fuel injector, 2 pin plug, pin 2
Wait to Start	N/A		
Neutral Safety	N/A		
Clutch Pedal	purple/white or purple/black	-	VESCM, rly box under dr dash, bn 52 pin plg, pin30
Fuel Pump	blue/red (2.5L and TDI)	+	fuel pump relay under driver dash
Rear Defroster	black/green	- latched	VESCM, relay box under driver dash, white 52 pin plug, pin 22
Mirror Defroster	yellow	-	Driver Door Module, gray 32 pin plug, pin 28
Left Front Heated Seat	(CAN and LIN bus)		
Right Front Heated Seat	(CAN and LIN bus)		

*Wiring Information (Continued)*

Item	Wire Color	Polarity	Wire Location
<b>Speed Sense</b>	white/purple (with power sunroof)	ac	instrument cluster, 32 pin plug, pin 9
<b>Brake Wire</b>	black/red (functions with ignition on only)	+	VESCM, relay box under driver dash, brown 52 pin plug, pin 17
<b>Parking Brake</b>	brown/yellow	-	parking brake switch or instrument cluster, 32 pin plug, pin 25
<b>Horn Trigger</b>	red/brown	-	VESCM, relay box under driver dash, white 52 pin plug, pin 41
<b>Wipers</b>	(CAN and LIN 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>	N/A		
<b>Memory Seat 2</b>	N/A		
<b>Memory Seat 3</b>	N/A		
<b>Radio 12V</b>	red/yellow	+	radio, 16 pin plug, pins 15, 16
<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>	(CAN bus)		
<b>Power Antenna</b>	N/A		
<b>Left Front Speaker (+/-)</b>	brown/green - brown/blue or green - brown	+,-	radio, 16 pin plug, pins 3 - 7
<b>Right Front Speaker (+/-)</b>	brown/red - brown/black or blue - brown	+,-	radio, 16 pin plug, pins 2 - 6
<b>Left Rear Speaker (+/-)</b>	red/white - brown/white or white - brown	+,-	radio, 16 pin plug, pins 4 - 8
<b>Right Rear Speaker (+/-)</b>	red/purple - brown/purple or yellow - brown	+,-	radio, 16 pin plug, pins 1 - 5
<b>Center Channel (+/-)</b>	N/A		
<b>Subwoofer (+/-)</b>	N/A		
<b>Aux. Audio Input Left (+/-)</b>	yellow - green	+,-	radio, 12 pin plug, pins 1 - 2
<b>Aux. Audio Input Right (+/-)</b>	gray - green	+,-	radio, 12 pin plug, pins 7 - 2
<b>RSE Video (+/-)</b>	N/A		
<b>RSE Audio Left (+/-)</b>	yellow - green (CD changer audio)	+,-	radio, 12 pin plug, pins 12 - 6
<b>RSE Audio Right (+/-)</b>	blue - green (CD changer audio)	+,-	radio, 12 pin plug, pins 11 - 6

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DirectWire Vehicle Information - 2/5/2014 1:29:58 AM			
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		

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*What Fits*

Item	Size	Depth	Location
<b>Headunit</b>	irregular		center of dash
<b>Left Front Speaker</b>	6.5	2.5	left front door
<b>Left Front Tweeter</b>	1	1	left front door
<b>Right Front Speaker</b>	6.5	2.5	right front door
<b>Right Front Tweeter</b>	1	1	right front door
<b>Left Rear Speaker</b>	6.5	2.5	left rear door or side panel
<b>Left Rear Tweeter</b>	1	1	left rear door or side panel
<b>Right Rear Speaker</b>	6.5	2.5	right rear door or side panel
<b>Right Rear Tweeter</b>	1	1	right rear door or side panel
<b>Center Channel</b>	N/A		
<b>Subwoofer</b>	N/A		
<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>Right Rear Door Trigger</b>	On models without power window, it is black/green (-) at the VESCM, relay box under driver dash, black 52 pin plug, pin 30.
<b>Fuel Pump</b>	On 2.0L models, it is black/purple (+) in the driver kick, harness to rear.
<b>Left Front Speaker (+/-)</b>	On models with amplifier, the woofer wires are brown/red - brown/black at the amplifier under driver seat, 38 pin plug, pins 18 - 6. The tweeter wires are green/white - gray/white at the amplifier, 38 pin plug, pins 8 - 20.
<b>Right Front Speaker (+/-)</b>	On models with amplifier, the woofer wires are brown/green - brown/blue at the amplifier under driver seat, 38 pin plug, pins 15 - 3. The tweeter wires are white/red - blue/red at the amplifier, 38 pin plug, pins 19 - 7.
<b>Left Rear Speaker (+/-)</b>	On models with amplifier, the woofer wires are red/white - brown/white at the amplifier under driver seat, 38 pin plug, pins 9 - 21. The tweeter wires are blue/black - brown/black at the amplifier, 38 pin plug, pins 13 - 14.
<b>Right Rear Speaker (+/-)</b>	On models with amplifier, the woofer wires are red/purple - brown/purple at the amplifier under driver seat, 38 pin plug, pins 22 - 10. The tweeter wires are gray - brown/gray at the amplifier, 38 pin plug, pins 12 - 11.
<b>Parking Lights (+)</b>	If the gray/yellow is not present, interrupt the headlight switch off wire to turn on the parking lights. It is black/yellow at the VESCM, relay box under driver dash, black 52 pin plug, pin 18.
<b>Left Rear Door Trigger</b>	On models without power window, it is black/blue (-) at the VESCM, relay box under driver dash, black 52 pin plug, pin 41.