

2016 Volkswagen Golf(SmartKey) - Requested by: ampire.de



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Wiring Information

Item	Wire Color	Polarity	Wire Location
12 Volts	Red/White (40A)	+	VESCM above driver kick, white 73 pin plug, pin 1
Ground	(chassis ground)		
Starter	Black/Red	+	Electronic Steering Column Lock Module, black 16 pin plug, pin 12
Ignition	Black/White or Black	+	Electronic Steering Column Lock Module, black 16 pin plug, pin 6
Second Ignition	Black/Green or Black/Gray	+	Electronic Steering Column Lock Module, black 16 pin plug, pin 8
PTS 1	Violet/Blue	-	Electronic Steering Column Lock Module, black 16 pin plug, pin 4
PTS 2	Violet	-	Electronic Steering Column Lock Module, black 16 pin plug, pin 13
Keysense	Blue/Green	+	Electronic Steering Column Lock Module, black 16 pin plug, pin 7
CAN Bus High	Orange/Red	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	Electronic Steering Column Lock Module, black 16 pin plug, pin 16
CAN Bus Low 2	Orange/Brown	Data	Electronic Steering Column Lock Module, black 16 pin plug, pin 15
OBD 12 Volts	Red/White (10A)	+	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
IMMO Antenna	Blue	RF	Immobilizer Reader Coil in steering column, 2 pin plug, pin 1
Power Lock	Green	- Resistor	Driver Door Module, blue 32 pin plug, pin 13
Power Unlock	(same as power lock)	-	

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Lock Motor	Yellow	Reverse	Driver Door Module, black 20 pin plug, pin 13
Driver Unlock Motor	Violet	Reverse	Driver Door Module, black 20 pin plug, pin 11
Passenger Unlock Motor	Violet	Reverse	Passenger Door Module, black 20 pin plug, pin 11
Factory Alarm Arm	Green/White (key lock)	- Resistor	Driver Door Module, black 20 pin plug, pin 1
Factory Alarm Disarm	(same as factory alarm arm)	-	
Parking Lights	Gray/Yellow	+	Headlight Switch, red 10 pin plug, pin 3
Parking Lights Interrupt	Red/White	Cut	Headlight Switch, red 10 pin plug, pin 8
Hazards	Brown/Red	-	VESCM above driver kick, white 73 pin plug, pin 42
Turn Signal (Left)	Black/White (LF); Black/White (LR)	+	VESCM above driver kick, white 46 pin plug, pin 36 (LF); black 73 pin plug, pin 60 (LR)
Turn Signal (Right)	Black/Green (RF); Black/Green (RR)	+	VESCM above driver kick, white 46 pin plug, pin 20 (RF); white 73 pin plug, pin 31 (RR)
Headlight	Yellow/Black (L); Yellow/Blue (R)	+	VESCM above driver kick, white 73 pin plug, pin 5 (L); white 46 pin plug, pin 1 (R)
AutoLights	Violet	Cut	VESCM above driver kick, white 73 pin plug, pin 16
Reverse Light	White	+	VESCM above driver kick, white 73 pin plug, pin 11
Left Front Door Trigger	Brown/Yellow	-	Driver Door Module, black 20 pin plug, pin 5
Right Front Door Trigger	Brown/Yellow	-	Passenger Door Module, black 20 pin plug, pin 5
Left Rear Door Trigger	Black/Gray	-	VESCM above driver kick, black 73 pin plug, pin 50
Right Rear Door Trigger	Black/Green	-	VESCM above driver kick, black 73 pin plug, pin 48
Dome Light	Brown (some models only); (CAN Bus if not present)		VESCM above driver kick, white 73 pin plug, pin 67
Trunk/Hatch Pin	White	-	VESCM above driver kick, black 73 pin plug, pin 52
Hood Pin	Brown/Green	-	VESCM above driver kick, white 46 pin plug, pin 14
Trunk/Hatch Release	White (rear handle switch)	-	VESCM above driver kick, black 73 pin plug, pin 32

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Trunk Release Motor	White	Reverse	VESCM above driver kick, black 73 pin plug, pin 9
Fuel Door Release	Violet/Brown or Violet/Gray (lock/unlock)	Reverse	VESCM above driver kick, black 73 pin plug, pin 3 or 4
Tachometer	Blue (camshaft position sensor)	AC	Junction Connector in front of engine driver side, black 14 pin plug, pin 8
Clutch Pedal	Violet/White	-	Clutch Switch, black 5 pin plug, pin 4
Clutch Pedal 2	White/Red	Cut	Clutch Switch, black 5 pin plug, pin 2
Fuel Pump	Red/Blue	+	Driver Kick, blue 17 pin plug, pin 15
Rear Defroster	Black/Green	- Latched	VESCM above driver kick, white 73 pin plug, pin 24
Mirror Defroster	(CAN Bus)		
Left Front Heated Seat	(CAN Bus)		
Right Front Heated Seat	(CAN Bus)		
Speed Sense	(wheel speed sensor)		
Brake Wire	Black/Red	+	VESCM above driver kick, white 73 pin plug, pin 58
Parking Brake	Brown/Yellow	-	Parking Brake Switch, black 2 pin plug, pin 1
Horn Trigger	Red/Brown	-	VESCM above driver kick, white 46 pin plug, pin 24
Wipers	(CAN and LIN Bus)		
All Windows Up-Down	(use factory alarm arm/disarm)		
Sun Roof (Open/Close)	(use factory alarm arm/disarm)		
Radio 12V	Red	+	Radio in glove box, black 8 pin plug, pin 8
Radio Ground	Brown	-	Radio in glove box, black 8 pin plug, pin 7
Radio Ignition	(Infotainment CAN)		
Radio Illumination	(Infotainment CAN)		
Factory Amp Turn-on	(MOST Bus)		
Left Front Speaker (+/-)	Red/Yellow - Brown/Yellow	+,-	Radio in glove box, brown 8 pin plug, pins 3 - 7
Right Front Speaker (+/-)	Red/Green - Brown/Green	+,-	Radio in glove box, brown 8 pin plug, pins 2 - 6
Left Rear Speaker (+/-)	Blue/Black - White/Black	+,-	Radio in glove box, brown 8 pin plug, pins 4 - 8

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Right Rear Speaker (+/-)	Blue/White - Black/White or Black/White - Blue/White	+,-	Radio in glove box, brown 8 pin plug, pins 1 - 5
Left Front Speaker - With Amp	Red/Black - Brown/Black (coil 1); Red/Gray - Brown/Green (coil 2)	+,-	Amplifier under driver seat, black 38 pin plug, pins 15 - 3 (coil 1); pins 14 - 13 (coil 2)
Right Front Speaker - With Amp	Red/Violet - Brown/Violet (coil 1); Red/Green - Brown/Green (coil 2)	+,-	Amplifier under driver seat, black 38 pin plug, pins 21 - 9 (coil 1); pins 22 - 10 (coil 2)
Left Front Tweeter - With Amp	Red/Yellow - Brown/Yellow	+,-	Amplifier under driver seat, black 38 pin plug, pins 12 - 11
Right Front Tweeter - With Amp	Green/White - Brown/Red	+,-	Amplifier under driver seat, black 38 pin plug, pins 18 - 6
Left Rear Speaker - With Amp	Red/White - Brown/White	+,-	Amplifier under driver seat, black 38 pin plug, pins 19 - 7
Right Rear Speaker - With Amp	Blue/Yellow - Brown/Green	+,-	Amplifier under driver seat, black 38 pin plug, pins 20 - 8
Left Rear Tweeter - With Amp	Green/Yellow - Brown/Blue	+,-	Amplifier under driver seat, black 38 pin plug, pins 31 - 32
Right Rear Tweeter - With Amp	Blue/Black - Brown/Black	+,-	Amplifier under driver seat, black 38 pin plug, pins 33 - 34
Subwoofer - With Amp	White/Yellow - Brown/Yellow (coil 1); White - Brown (coil 2)	+,-	Amplifier under driver seat, black 38 pin plug, pins 17 - 5 (coil 1); pins 16 - 4 (coil 2)
Aux. Audio Input Left (+/-)	Gray - Green or Green - Brown	+,-	Radio in glove box, green 12 pin plug, pins 7 - 1
Aux. Audio Input Right (+/-)	Yellow - Green or Yellow - Brown	+,-	Radio in glove box, green 12 pin plug, pins 2 - 1
Rearview Camera Video	White - Black	+,-	Radio in glove box, blue 12 pin plug, pins 6 - 12



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What Fits

Item	Size	Depth	Location
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