



<http://www.directechs.com>

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) | - | |

2018 Volkswagen Golf(SmartKey) - Requested by: ampire.de



<http://www.directechs.com>

| Item | Wire Color | Polarity | Wire Location |
|--------------------------|--|------------|---|
| 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 |

2018 Volkswagen Golf(SmartKey) - Requested by: ampire.de



| Item | Wire Color | Polarity | Wire Location |
|---------------------------|---|-----------|---|
| 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 |

2018 Volkswagen Golf(SmartKey) - Requested by: ampire.de



<http://www.directechs.com>

| Item | Wire Color | Polarity | Wire Location |
|--------------------------------|--|----------|---|
| 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 |



<http://www.directechs.com>

What Fits

| Item | Size | Depth | Location |
|------|------|-------|----------|
|------|------|-------|----------|