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Wiring Information

Item	Wire Color	Polarity	Wire Location
12 Volts	Red/White (40A)	+	VESCM above driver kick, black-green 73 pin plug, pin 1
Second 12 Volts	Red (40A)	+	VESCM above driver kick, black-blue 73 pin plug, pin 66
Ground	(chassis ground)		
Starter Kill	Red	+	Underhood Fuse Box, below Fuse 22 (30A), pin 22A
Starter	Red/Black	+	Driver Kick, blue 17 pin plug, pin 5
Second Starter	Red/Black (alternate location)	+	VESCM above driver kick, black-blue 73 pin plug, pin 45
Ignition	Black/Violet	+	Driver Kick, black 17 pin plug, pin 9
Second Ignition	Black/Violet (alternate location)	+	VESCM above driver kick, black-blue 73 pin plug, pin 14
PTS 1	Violet	-	Start Stop Button, black 10 pin plug, pin 5 (A/T); black 6 pin plug, pin 3 (M/T)
PTS 2	Violet/Blue	-	Start Stop Button, black 10 pin plug, pin 7 (A/T); black 6 pin plug, pin 6 (M/T)
PTS 3	Violet (PTS 1 alternate)	-	VESCM above driver kick, black-blue 73 pin plug, pin 39
PTS 4	Violet/Blue (PTS 2 alternate)	-	VESCM above driver kick, black-blue 73 pin plug, pin 38
CAN Bus High	Red (DIAG CAN)	Data	OBD-Data Link Connector, black 16 pin plug, pin 6
CAN Bus Low	Orange/Brown (DIAG CAN)	Data	OBD-Data Link Connector, black 16 pin plug, pin 14
CAN Bus High 2	Green	Data	Driver Kick, door harness
CAN Bus Low 2	Orange/Brown	Data	Driver Kick, door harness
CAN Bus High 3	Green	Data	VESCM above driver kick, black-blue 73 pin plug, pin 16
CAN Bus Low 3	Orange/Brown	Data	VESCM above driver kick, black-blue 73 pin plug, pin 17

2023 Volkswagen GolfGTI(SmartKey) - Requested by: ampire.de



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Item	Wire Color	Polarity	Wire Location
OBD 12 Volts	Red/White (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
OBD Connector	Violet-Black		Under Driver Dash, Above Driver Kick
IMMO Antenna	Black - Brown	RF	Right of Start Stop Button, black 17 pin plug, pins 12 - 13
IMMO Antenna 2	Black - Brown	RF	Access-Start Authorization Module above VESCM, gray 32 pin plug, pins 18 - 19
Driver LF Antenna	Black/White - Blue/White	RF	Outside Antenna under middle driver side of vehicle, black 2 pin plug, pins 1 - 2
Driver LF Antenna 2	Black/White - Blue/White	RF	Access-Start Authorization Module above VESCM, gray 32 pin plug, pins 22 - 23
Passenger LF Antenna	Gray - Blue	RF	Outside Antenna under middle passenger side of vehicle, black 2 pin plug, pins 1 - 2
Passenger LF Antenna 2	Gray - Blue	RF	Access-Start Authorization Module above VESCM, gray 32 pin plug, pins 24 - 25
Center LF Antenna	Black - Brown	RF	Inside Antenna in center console under cup holder, black 2 pin plug, pins 1 - 2
Center LF Antenna 2	Black - Brown	RF	Access-Start Authorization Module above VESCM, gray 32 pin plug, pins 18 - 19
Rear LF Antenna	Black - Green	RF	Outside Antenna in rear bumper right of center, black 2 pin plug, pins 1 - 2
Rear LF Antenna 2	Black - Green	RF	Access-Start Authorization Module above VESCM, gray 32 pin plug, pins 20 - 21
Power Lock	Brown/Green	- Resistor	Driver Door Module, blue 32 pin plug, pin 28
Power Unlock	(same as power lock)	-	

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Item	Wire Color	Polarity	Wire Location
Lock Motor	Blue/Green	Reverse	VEBCM above driver kick, black-blue 73 pin plug, pin 11
Driver Unlock Motor	Violet	Reverse	Driver Door Module, white 20 pin plug, pin 11
Passenger Unlock Motor	Brown/Yellow	Reverse	VEBCM above driver kick, black-blue 73 pin plug, pin 10
Factory Alarm Arm	Green/White (key lock)	- Resistor	Driver Door Module, white 20 pin plug, pin 1
Factory Alarm Disarm	(same as factory alarm arm)	-	
Parking Lights	Gray/Black (LR); Gray/Red (RR)	+	VEBCM above driver kick, black-green 73 pin plug, pin 10 (LR); black-blue 73 pin plug, pin 65 (RR)
Parking Lights 2	(LF-RF are CAN)		
Parking Lights -	(LIN)		
Hazards	(LIN)		
Turn Signal (Left)	Black/White (LF); Black/White or Black/Red (LR)	+	VEBCM above driver kick, black 46 pin plug, pin 24 (LF); black-blue 73 pin plug, pin 60 (LR)
Turn Signal (Right)	Black/Green (RF); Black/Green or Black/Violet (RR)	+	VEBCM above driver kick, black 46 pin plug, pin 9 (RF); black-green 73 pin plug, pin 27 (RR)
Headlight	Yellow (L); Yellow/Blue (R)	+	VEBCM above driver kick, black-green 73 pin plug, pin 5 (L); black 46 pin plug, pin 1 (R)
AutoLights	(LIN)		
Reverse Light	White	+	Driver Kick, black 17 pin plug, pin 5
Reverse Light 2	White (alternate location)	+	VEBCM above driver kick, black 46 pin plug, pin 20
Left Front Door Trigger	Brown/Yellow	-	Driver Door Module, white 20 pin plug, pin 5
Right Front Door Trigger	Brown/Yellow	-	Passenger Door Module, white 20 pin plug, pin 5
Left Rear Door Trigger	Black/Gray	-	VEBCM above driver kick, black-blue 73 pin plug, pin 50
Right Rear Door Trigger	Black/Green	-	VEBCM above driver kick, black-blue 73 pin plug, pin 48
Dome Light	(LIN)		

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Item	Wire Color	Polarity	Wire Location
Trunk/Hatch Pin	White	-	VESCM above driver kick, black-blue 73 pin plug, pin 52
Hood Pin	Brown/Green	-	VESCM above driver kick, black 46 pin plug, pin 14
Trunk/Hatch Release	White (rear handle switch)	-	VESCM above driver kick, black-blue 73 pin plug, pin 32
Trunk Release Motor	White	Reverse	VESCM above driver kick, black-blue 73 pin plug, pin 9
Fuel Door Release	Gray - Violet/Brown (lock-unlock)	Reverse	VESCM above driver kick, black-blue 73 pin plug, pins 4 - 3
Tachometer	White/Yellow	AC	Camshaft Position Sensor, engine top driver side, black 3 pin plug, pin 2
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	Green/Black	- Latched	VESCM above driver kick, black-green 73 pin plug, pin 24
Mirror Defroster	(CAN)		
Left Front Heated Seat	(CAN)		
Right Front Heated Seat	(CAN)		
Heated Steering Wheel	(inside steering wheel)		
Brake Wire	Black/Red	+	Driver Kick, green 17 pin plug, pin 4
Brake Wire 2	Black/Red (alternate location)	+	VESCM above driver kick, black-green 73 pin plug, pin 58
Parking Brake	Violet/Green (EPB indicator)	-	Electric Parking Brake Switch, black 12 pin plug, pin 8
Parking Brake 2	Violet/Green (alternate location)	-	Passenger Kick, black 17 pin plug, pin 8
Horn Trigger	Red/Brown	-	VESCM above driver kick, black 46 pin plug, pin 43
Wipers	(LIN)		

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Item	Wire Color	Polarity	Wire Location
All Windows Up-Down	(use factory alarm arm-disarm)		
Sun Roof (Open/Close)	(use factory alarm arm-disarm)		
Memory Seat 1	Red/Black	MUX	Memory Seat Switch, black 6 pin plug, pin 5
Memory Seat 2	(same as memory seat 1)		
Radio 12V	Red	+	Radio in dash or behind glove box, black 8 pin plug, pin 8
Radio Ground	Brown	-	Radio in dash or behind glove box, black 8 pin plug, pin 7
Factory Amp Turn-on	(Ethernet)		
Left Front Speaker (+/-)	Red/Yellow - Brown/Yellow	+,-	Radio in dash, brown 8 pin plug, pins 3 - 7
Right Front Speaker (+/-)	Red/Green - Brown/Green	+,-	Radio in dash, brown 8 pin plug, pins 2 - 6
Left Rear Speaker (+/-)	Blue/Black - White/Black	+,-	Radio in dash, brown 8 pin plug, pins 4 - 8
Right Rear Speaker (+/-)	Blue/White - Black/White	+,-	Radio in dash, brown 8 pin plug, pins 1 - 5
Left Front Speaker - With Amp	Red/Gray - Brown/Gray (coil 1); Red/Black - Brown/Black (coil 2)	+,-	Amplifier in left rear quarter panel, black 38 pin plug, pins 17 - 5 (coil 1); pins 18 - 6 (coil 2)
Right Front Speaker - With Amp	Red/Green - Brown/Green (coil 1); Red/Violet - Brown/Violet (coil 2)	+,-	Amplifier in left rear quarter panel, black 38 pin plug, pins 19 - 7 (coil 1); pins 20 - 8 (coil 2)
Left Front Tweeter - With Amp	Red/Yellow - Brown/Yellow	+,-	Amplifier in left rear quarter panel, black 38 pin plug, pins 21 - 9
Right Front Tweeter - With Amp	Green/Yellow - Brown/Blue	+,-	Amplifier in left rear quarter panel, black 38 pin plug, pins 22 - 10
Left Rear Speaker - With Amp	Red/White - Brown/White	+,-	Amplifier in left rear quarter panel, black 38 pin plug, pins 12 - 11
Right Rear Speaker - With Amp	Blue/Yellow - Brown/Green	+,-	Amplifier in left rear quarter panel, black 38 pin plug, pins 14 - 13
Center Channel - With Amp	Blue/Black - Brown/Black (w/o Mobile Online Services)	+,-	Amplifier in left rear quarter panel, black 38 pin plug, pins 38 - 30
Subwoofer - With Amp	White/Yellow - Brown/Yellow (coil 1); White - Brown (coil 2)	+,-	Amplifier in left rear quarter panel, black 38 pin plug, pins 15 - 3 (coil 1); pins 16 - 4 (coil 2)

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Item	Wire Color	Polarity	Wire Location
Rearview Camera Video	(Ethernet)		

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What Fits

Item	Size	Depth	Location
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