

2019 MercedesBenz GLCClass(X253)



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Wiring Information

Item	Wire Color	Polarity	Wire Location
12 Volts	Red (50A)	+	Front SAM Control Unit under driver dash, 2 pin plug, pin 1
Ground	(chassis ground)		
Starter Kill	Violet	+	Underhood Fuse/Relay Box, 6 pin plug (S4), pin 3
Ignition Sense	Black/Red	+	Front SAM Control Unit under driver dash, 31 pin plug (MR2), pin 29
CAN Bus High	Brown/Red (CAN B)	Data	Front SAM Control Unit under driver dash, 52 pin plug (RBA1), pin 42
CAN Bus Low	Brown (CAN B)	Data	Front SAM Control Unit under driver dash, 52 pin plug (RBA1), pin 43
CAN Bus High 2	Gray/White (CAN D)	Data	OBD-Data Link Connector, 16 pin plug, pin 6
CAN Bus Low 2	Gray (CAN D)	Data	OBD-Data Link Connector, 16 pin plug, pin 14
OBD 12 Volts	Red/Green (5A)	+	OBD-Data Link Connector, 16 pin plug, pin 16
OBD Ground	Brown	-	OBD-Data Link Connector, 16 pin plug, pin 4
Power Lock	Yellow	- Resistor	Left Front Door Control Unit, 10 pin plug (C5), pin 4
Power Unlock	(same as power lock)	-	
Lock Motor	Orange	Reverse	Left Front Door Control Unit, 10 pin plug (C7), pin 7
Driver Unlock Motor	Gray	Reverse	Left Front Door Control Unit, 10 pin plug (C7), pin 6
Passenger Unlock Motor	Gray	Reverse	Right Front Door Control Unit, 10 pin plug (C7), pin 6
Factory Alarm Arm	(factory remote only)		
Factory Alarm Disarm	(factory remote only)		
Parking Lights	Blue/Green (LF); Gray/Yellow (RF)	+	Front SAM Control Unit under driver dash, 31 pin plug (MR1), pin 29 (LF); 31 pin plug (MR2), pin 17 (RF)

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Item	Wire Color	Polarity	Wire Location
Parking Lights 2	Black/Violet (LR); Gray/Blue (RR)	+	Rear SAM Control Unit in trunk right side, 28 pin plug (HR), pin 6 (LR); 20 pin plug (HL), pin 10 (RR)
Parking Lights MUX	Green	MUX	Front SAM Control Unit under driver dash, 28 pin plug (COC), pin 23
Hazards	(LIN)		
Turn Signal (Left)	Blue/Brown (LF w/o LED); Black/White (LR)	+	Front SAM Control Unit, 31 pin plug (MR1), pin 10 (LF); Rear SAM Control Unit, 20 pin plug (HL), pin 18 (LR)
Turn Signal (Right)	Gray/Violet (RF w/o LED); Black/Green (RR)	+	Front SAM Control Unit, 31 pin plug (MR2), pin 4 (RF); Rear SAM Control Unit, 28 pin plug (HR), pin 10 (RR)
Headlight	Gray/Orange (L); Gray/Pink (R) (w/o LED)	+	Front SAM Control Unit under driver dash, 31 pin plug (MR1), pin 7 (L); 31 pin plug (MR2), pin 2 (R)
AutoLights	Violet	MUX	Front SAM Control Unit under driver dash, 28 pin plug (COC), pin 20
Reverse Light	Black/Green or Black/Blue	+	Rear SAM Control Unit in trunk right side, 20 pin plug (HL), pin 15
Left Front Door Trigger	Blue	-	Left Front Door Control Unit, 10 pin plug (C7), pin 9
Right Front Door Trigger	Blue	-	Right Front Door Control Unit, 10 pin plug (C7), pin 9
Left Rear Door Trigger	Blue	-	Left Rear Door Control Unit, 10 pin plug (C7), pin 9
Right Rear Door Trigger	Blue	-	Right Rear Door Control Unit, 10 pin plug (C7), pin 9
Dome Light	(CAN B)		
Trunk/Hatch Pin	Blue/Brown	-	Rear SAM Control Unit in trunk right side, 48 pin plug (HD), pin 36
Hood Pin	Blue	-	Front SAM Control Unit under driver dash, 52 pin plug (RBA1), pin 47
Trunk/Hatch Release	Green/White or Green/Violet (rear handle switch)	-	Rear SAM Control Unit in trunk right side, 48 pin plug (HD), pin 37

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Trunk Release Motor	Blue/Red	Reverse	Rear SAM Control Unit in trunk right side, 48 pin plug (HD), pin 45
Fuel Door Release	(locks/unlocks with doors)		
Tachometer	Red/Black (2.0L)	AC	Camshaft Position Sensor, engine driver side front, 3 pin plug, pin 2
Fuel Pump	Pink/Black	+	Trunk Fuse/Relay Box, plug (S11), pin 5
Rear Defroster	Violet/Green	+ Latched	Rear SAM Control Unit in trunk right side, 28 pin plug (HR), pin 27
Mirror Defroster	(CAN B)		
Left Front Heated Seat	(LIN)		
Right Front Heated Seat	(LIN)		
Speed Sense	(wheel speed sensor)		
Brake Wire	Black/White	+	Rear SAM Control Unit in trunk right side, 52 pin plug (RBA1), pin 38
Parking Brake	(electric parking brake)		
Horn Trigger	Yellow/Green	+	Front SAM Control Unit under driver dash, 31 pin plug (MR2), pin 30
Wipers	(LIN)		
All Windows Up-Down	(not recommended because of factory auto up/down)		
Sun Roof (Open/Close)	(LIN)		
Memory Seat 1	(LIN)		
Memory Seat 2	(LIN)		
Memory Seat 3	(LIN)		
Radio 12V	Red	+	Radio, 16 pin plug, pin 15
Radio Ground	Brown	-	Radio, 16 pin plug, pin 12
Radio Ignition	(CAN HMI)		
Factory Amp Turn-on	(MOST)		
Left Front Speaker (+/-)	Blue/Black - Blue	+,-	Radio, 8 pin plug, pins 3 - 7
Right Front Speaker (+/-)	Green/Black - Green	+,-	Radio, 8 pin plug, pins 2 - 6
Left Rear Speaker (+/-)	White/Black - White	+,-	Radio, 8 pin plug, pins 4 - 8
Right Rear Speaker (+/-)	Gray/Black - Gray	+,-	Radio, 8 pin plug, pins 1 - 5

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Subwoofer (+/-)	Violet/Black - Violet (front bass)	+,-	Radio, 8 pin plug, pins 3 - 6
Left Front Speaker - With Amp	Pink/Black - Pink	+,-	Amplifier in trunk right side, 32 pin plug, pins 3 - 15
Right Front Speaker - With Amp	Violet/Black - Violet	+,-	Amplifier in trunk right side, 32 pin plug, pins 4 - 16
Left Front Tweeter - With Amp	Blue - Blue/Black	+,-	Amplifier in trunk right side, 32 pin plug, pins 13 - 14
Right Front Tweeter - With Amp	Green/Black - Green	+,-	Amplifier in trunk right side, 32 pin plug, pins 5 - 17
Left Rear Speaker - With Amp	Orange/Black - Orange	+,-	Amplifier in trunk right side, 32 pin plug, pins 7 - 19
Right Rear Speaker - With Amp	Brown/Black - Brown	+,-	Amplifier in trunk right side, 32 pin plug, pins 8 - 20
Left Rear Surround - With Amp	White/Black - White	+,-	Amplifier in trunk right side, 32 pin plug, pins 9 - 21
Right Rear Surround - With Amp	Yellow/Black - Yellow	+,-	Amplifier in trunk right side, 32 pin plug, pins 10 - 22
Center Channel - With Amp	Gray/Black - Gray	+,-	Amplifier in trunk right side, 32 pin plug, pins 12 - 11
Rearview Camera Video	(LVDS)		

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What Fits

Item	Size	Depth	Location
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