

2017 Mercedes Benz GLA Class (X156) - North America			
Item	Wire Color	Polarity	Wire Location
12 Volts	Red/Green (40A)	+	SAM Control Unit under driver dash, 4 pin plug, pin 1
Ground	(chassis ground)		
Starter Kill	Violet/White	+	Underhood Fuse/Relay Box, plug (MR1), pin 13
Ignition Sense	Black	+	SAM Control Unit under driver dash, 48 pin plug (B2), pin 48
CAN Bus High	Brown/Red (CAN B)	Data	SAM Control Unit under driver dash, 48 pin plug (B2), pin 47
CAN Bus Low	Brown (CAN B)	Data	SAM Control Unit under driver dash, 48 pin plug (B2), pin 46
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/Blue (10A)	+	OBD-Data Link Connector, 16 pin plug, pin 16
OBD Ground	Brown	-	OBD-Data Link Connector, 16 pin plug, pin 4
Power Lock	Gray/Blue	- Resistor	Left Front Door Control Unit, plug (C5), pin 4
Power Unlock	(same as power lock)	-	
Lock Motor	Pink/Yellow	Reverse	SAM Control Unit under driver dash, 48 pin plug (B2), pin 41
Driver Unlock Motor	Green	Reverse	Left Front Door Control Unit, plug (C7), pin 6
Passenger Unlock Motor	Pink/Blue	Reverse	SAM Control Unit under driver dash, 48 pin plug (B2), pin 39
Factory Alarm Arm	(factory remote only)		
Factory Alarm Disarm	(factory remote only)		
Parking Lights	Blue/Black (LF); Blue/Red (RF)	+	SAM Control Unit under driver dash, 24 pin plug (UH1), pin 21 (LF); 24 pin plug (UH2), pin 10 (RF)
Parking Lights 2	Black/Orange (LR); Gray/Pink (RR)	+	SAM Control Unit under driver dash, 48 pin plug (B2), pin 19 (LR); 48 pin plug (B1), pin 30 (RR)
Parking Lights MUX	Blue/Black	MUX	SAM Control Unit under driver dash, 14 pin plug (IP), pin 2
Hazards	(LIN)		
Turn Signal (Left)	Black/White (LF); Yellow/White (LR)	+	SAM Control Unit under driver dash, 24 pin plug (UH1), pin 4 (LF); 48 pin plug (B1), pin 39 (LR)
Turn Signal (Right)	Black/Green (RF); Gray/Red or Gray/Blue (RR)	+	SAM Control Unit under driver dash, 24 pin plug (UH2), pin 24 (RF); 48 pin plug (B2), pin 3 (RR)
Headlight	Yellow (L); Yellow (R)	+	SAM Control Unit under driver dash, 24 pin plug (UH2), pin 15 (L); 24 pin plug (UH1), pin 3 (R)
AutoLights	Blue/White	MUX	SAM Control Unit under driver dash, 14 pin plug (IP), pin 3
Reverse Light	Gray/Yellow	+	SAM Control Unit under driver dash, 48 pin plug (B1), pin 25
Left Front Door Trigger	Brown/Pink	-	Left Front Door Control Unit, plug (C7), pin 9
Right Front Door Trigger	Brown/Pink	-	Right Front Door Control Unit, plug (C7), pin 9
Left Rear Door Trigger	Pink/White	-	SAM Control Unit under driver dash, 48 pin plug (B1), pin 23
Right Rear Door Trigger	White	-	SAM Control Unit under driver dash, 48 pin plug (B1), pin 19
Dome Light	(LIN)		
Trunk/Hatch Pin	Yellow/Green	-	SAM Control Unit under driver dash, 48 pin plug (B1), pin 21
Hood Pin	Yellow/Gray	-	SAM Control Unit under driver dash, 24 pin plug (UH2), pin 22
Trunk/Hatch Release	Gray/Black (rear handle switch)	-	SAM Control Unit under driver dash, 48 pin plug (B1), pin 9
Trunk Release Motor	Violet	Reverse	SAM Control Unit under driver dash, 48 pin plug (B2), pin 1
Fuel Door Release	Yellow/Blue - Yellow/Green (lock/unlock)	Reverse	SAM Control Unit under driver dash, 48 pin plug (B2), pin 28 - 40
Tachometer	Yellow/Blue	AC	Camshaft Position Sensor, engine driver side front, 3 pin plug, pin 2
Fuel Pump	Black/Violet	+	Passenger Footwell Fuse Box, plug (P2), pin 8
Rear Defroster	Yellow/Red	+ Latched	A/C Control Unit, 16 pin plug (C1), pin 10
Mirror Defroster	(CAN B)		
Left Front Heated Seat	(LIN)		
Right Front Heated Seat	(LIN)		

2017 Mercedes Benz GLA Class (X156) - North America			
Item	Wire Color	Polarity	Wire Location
Speed Sense	(wheel speed sensor)		
Brake Wire	Black/Red	+	SAM Control Unit under driver dash, 24 pin plug (UH2), pin 3
Parking Brake	(electric parking brake)		
Horn Trigger	Yellow/Black	+	SAM Control Unit under driver dash, 24 pin plug (UH2), pin 17
Wipers	Yellow/Violet	+	SAM Control Unit under driver dash, 24 pin plug (UH2), pin 18
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/Green	+	Radio, 16 pin plug, pin 15
Radio Ground	Brown	-	Radio, 16 pin plug, pin 12
Radio Ignition	(CAN B)		
Factory Amp Turn-on	(MOST)		
Left Front Speaker (+/-)	Brown/Green - Green	+,-	Radio, 8 pin plug, pins 3 - 7
Right Front Speaker (+/-)	Brown/Orange - Orange	+,-	Radio, 8 pin plug, pins 2 - 6
Left Rear Speaker (+/-)	White - Brown/White	+,-	Radio, 8 pin plug, pins 4 - 8
Right Rear Speaker (+/-)	Pink - Brown/Pink	+,-	Radio, 8 pin plug, pins 1 - 5
Left Front Speaker - With Amp	Brown/Green - Green	+,-	Amplifier under center of cargo floor, 32 pin plug, pins 6 - 18
Right Front Speaker - With Amp	Brown/Orange - Orange	+,-	Amplifier under center of cargo floor, 32 pin plug, pins 5 - 17
Left Rear Speaker - With Amp	Violet - Brown/Violet	+,-	Amplifier under center of cargo floor, 32 pin plug, pins 8 - 20
Right Rear Speaker - With Amp	White - Brown/White	+,-	Amplifier under center of cargo floor, 32 pin plug, pins 7 - 19
Left Rear Surround - With Amp	Yellow - Brown/Yellow	+,-	Amplifier under center of cargo floor, 32 pin plug, pins 10 - 22
Right Rear Surround - With Amp	Pink - Brown/Pink	+,-	Amplifier under center of cargo floor, 32 pin plug, pins 9 - 21
Center Channel - With Amp	Gray - Brown/Gray	+,-	Amplifier under center of cargo floor, 32 pin plug, pins 23 - 28
Subwoofer - With Amp	Blue - Brown/Blue (coil 1); Red - Brown/Red (coil 2)	+,-	Amplifier under center of cargo floor, 32 pin plug, pins 3 - 15 (coil 1); pins 4 - 16 (coil 2)
Rearview Camera Video	(LVDS)		

---

© 2018 Directed. All rights reserved.

DirectWire and its vehicle information are for the sole use of authorized Directed personnel and its participating dealers and distributors. The information contained on these pages may contain confidential and privileged information. Any unauthorized review, use, disclosure or distribution is prohibited.