

2014 Mercedes Benz S Class (W222) - North America

**Wiring Information**

Item	Wire Color	Polarity	Wire Location
12 Volts	red (40A)	+	Front SAM Control Unit in driver kick, 2 pin plug, pin 1
Starter	violet (for starter kill only)	+	underhood fuse/relay box, plug (S4), pin 3
Ignition	pink/green (for ignition sense only)	+	Front SAM Control Unit in driver kick, 52 pin plug (RBA), pin 44
CAN Bus High	brown/red	data	Front SAM Control Unit in driver kick, 52 pin plug (RBA), pin 42
CAN Bus Low	brown	data	Front SAM Control Unit in driver kick, 52 pin plug (RBA), pin 43
Power Lock	violet	-	Left Front Door Module, plug (C5), pin 4
Power Unlock	(same as power lock)	- resistor	
Lock Motor	orange	5 wire	Left Front Door Module, plug (C7), pin 7
Driver Unlock Motor	gray	5 wire	Left Front Door Module, plug (C7), pin 6
Passenger Unlock Motor	gray	5 wire	Right Front Door Module, plug (C7), pin 6
Factory Alarm Arm	(factory remote only)		
Factory Alarm Disarm	(factory remote only)		
Parking Lights (+)	(CAN bus - Front); black/red (LR); black/red (RR)	+	Rear SAM Control Unit bhnd right rear seat, 48 pin plg(HD), pins26,25
Parking Lights (-)	(LIN bus)		
Hazards	(CAN bus)		
Turn Signal (Left)	(CAN bus - Front); black/blue (R)	+	Rear SAM Control Unit bhnd right rear seat, 20 pin plug (HL), pin 2
Turn Signal (Right)	(CAN bus - Front); black/blue (R)	+	Rear SAM Control Unit bhnd right rear seat, 28 pin plug (HR), pin 2
Headlight	(CAN bus)		
AutoLights	(LIN bus)		
Reverse Light	black/white	+	Rear SAM Control Unit bhnd right rear seat, 20 pin plug (HL), pin 15
Left Front Door Trigger	blue	-	Left Front Door Module, plug (C7), pin 9
Right Front Door Trigger	blue	-	Right Front Door Module, plug (C7), pin 9

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Item	Wire Color	Polarity	Wire Location
Left Rear Door Trigger	blue	-	Left Rear Door Module, plug (C7), pin 9
Right Rear Door Trigger	blue	-	Right Rear Door Module, plug (C7), pin 9
Dome Light	(LIN bus)		
Trunk/Hatch Pin	green	-	Rear SAM Control Unit bhnd right rear seat, 48 pin plug (HD), pin 36
Hood Pin	brown/blue	-	Front SAM Control Unit in driver kick, 52 pin plug (RBA), pin 47
Trunk/Hatch Release	green/white (rear handle switch)	-	Rear SAM Control Unit bhnd right rear seat, 48 pin plug (HD), pin 37
Trunk Release Motor	blue/violet or blue/brown	5 wire	Rear SAM Control Unit bhnd right rear seat, 48 pin plug (HD), pin 1
Fuel Door Release	brown/gray	5 wire	Rear SAM Control Unit bhnd right rear seat, 28 pin plug (HR), pin 1
Tachometer	yellow/gray	ac	camshaft position sensor, engine driver side front, 3 pin plug, pin 2
Fuel Pump	pink/black	+	trunk fuse/relay box, plug (S11), pin 2
Rear Defroster	red/green	+ latched	Rear SAM Control Unit bhnd right rear seat, 28 pin plug (HR), pin 27
Mirror Defroster	(CAN bus)		
Left Front Heated Seat	(LIN bus)		
Right Front Heated Seat	(LIN bus)		
Speed Sense	(wheel speed sensor)		
Brake Wire	black/white	+	Rear SAM Control Unit bhnd right rear seat, 52 pin plug (RBA1), pin 38
Parking Brake	(electric parking brake)		
Horn Trigger	gray/green	+	Front SAM Control Unit in driver kick, 31 pin plug (MR2), pin 30
Wipers	(LIN bus)		
Left Front Window (Up/Down)	(not recommended because of factory auto up/down)		
Right Front Window (Up/Down)	(not recommended because of factory auto up/down)		
Left Rear Window (Up/Down)	(not recommended because of factory auto up/down)		

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Item	Wire Color	Polarity	Wire Location
Right Rear Window (Up/Down)	(not recommended because of factory auto up/down)		
Sun Roof (Open/Close)	(CAN bus)		
Memory Seat 1	(LIN bus)		
Memory Seat 2	(LIN bus)		
Memory Seat 3	(LIN bus)		
Radio 12V	red	+	radio, 16 pin plug, pin 15
Radio Ground	brown	-	radio, 16 pin plug, pin 12
Radio Ignition	(CAN bus)		
Factory Amp Turn-on	orange (MOST wake up)		radio, 16 pin plug, pin 16
Left Front Speaker (+/-)	black - black/red	+,-	radio, 16 pin plug, pins 3 - 7
Right Front Speaker (+/-)	gray/green - black	+,-	radio, 16 pin plug, pins 2 - 6
Left Rear Speaker (+/-)	green - brown/green	+,-	radio, 16 pin plug, pins 4 - 8
Right Rear Speaker (+/-)	green - red/green	+,-	radio, 16 pin plug, pins 1 - 5
Center Channel (+/-)	gray/white - gray/green	+,-	amplifier in left side of trunk, 32 pin plug, pins 12 - 11
Subwoofer (+/-)	black - black/red (L); gray - black/red (R)	+,-	radio, 16 pin plug, pins 3 - 7; 1 - 5
Aux. Audio Input Left (+/-)	brown - yellow	+,-	radio, 12 pin plug, pins 6 - 11
Aux. Audio Input Right (+/-)	black - yellow	+,-	radio, 12 pin plug, pins 12 - 11
RSE Video (+/-)	(digital video)		
RSE Audio Left (+/-)	(MOST bus)		
RSE Audio Right (+/-)	(MOST bus)		
Satellite Radio 12 Volts	(built into tuner unit in left side of trunk)		

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What Fits

Item	Size	Depth	Location
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2014 Mercedes Benz S Class (W222) - North America***Additional Wiring Notes***

Item	Note
Left Front Speaker (+/-)	On models with amplifier, the speaker wires are black - black/red at the amplifier in left side of trunk, 32 pin plug, pins 14 - 13.
Left Rear Speaker (+/-)	On models with amplifier, the speaker wires are green - brown/green (midrange/tweeter); brown/green - green (surround) at the amplifier in left side of trunk, 32 pin plug, pins 7 - 19; 9 - 21.
Right Front Speaker (+/-)	On models with amplifier, the speaker wires are gray/green - black at the amplifier in left side of trunk, 32 pin plug, pins 5 - 17.
Right Rear Speaker (+/-)	On models with amplifier, the speaker wires are green - red/green (midrange/tweeter); brown/yellow - yellow (surround) at the amplifier in left side of trunk, 32 pin plug, pins 8 - 20; 10 - 22.
Subwoofer (+/-)	On models with amplifier, the speaker wires are blue/white - blue (L); brown/white - brown (R) at the amplifier in left side of trunk, 32 pin plug, pins 3 - 15; 4 - 16.