

2001 Mercedes Benz S Class



Wiring Information

Item	Wire Color	Polarity	Wire Location
12 Volts	red	+	ignition harness
Second 12 Volts			
Starter	purple/yellow	+	ignition harness
Second Starter			
Ignition	pink/red	+	ignition harness
Second Ignition	pink/green	+	ignition harness
Third Ignition			
Accessory			
Second Accessory			
Third Accessory			
Key Sense			
Data Bus			
Can Bus High			
Can Bus Low			
Can Bus Sw			
Power Lock	red/blue	-	LF door control module
Power Unlock	same wire as power lock		
Lock Motor			
Unlock Motor			
Disarm Defeat			
Parking Lights (+)			
Parking Lights (-)			
Hazards			
Turn Signal (Left)			
Turn Signal (Right)			

Wiring Information (Continued)

Item	Wire Color	Polarity	Wire Location
Headlight			
AutoLights			
Reverse Light			
Left Front Door Trigger	see notes	-	rear SAM control module
Right Front Door Trigger			
Left Rear Door Trigger			
Right Rear Door Trigger			
Dome Supervision	comes on with unlock		
Trunk/Hatch Pin	brown/black	-	trunk pin switch
Rear Glass Pin			
Hood Pin	brown/red	-	hood pin switch
Trunk Hatch/Release	brown	-	trunk release switch
Trunk Release Motor			
Fuel Door Release			
Power Sliding Door (Left)			
Power Sliding Door (Right)			
Factory Alarm Arm	arms with lock		
Factory Alarm Disarm	disarms with unlock		
Disarm No Unlock			
Trunk Alarm Shunt			
Tachometer	NOT blk/yel or blk/grn	ac	any ignition coil
Wait to Start			
Neutral Safety			
Clutch Pedal			
Fuel Pump			
Rear Defroster			
Mirror Defroster			
Left Front Heated Seat			
Right Front Heated Seat			

Wiring Information (Continued)

Item	Wire Color	Polarity	Wire Location
Speed Sense			
Brake Wire	black/blue/white	+	brake pedal switch
Parking Brake			
Horn Trigger	black/yellow or blk/yel/red	+	horn
Wipers	green and red	+	windshield wiper motor
Left Front Window (Up/Down)	red - black		LF door control module
Right Front Window (Up/Down)	red - black		RF door control module
Left Rear Window (Up/Down)	red - black		LF door control module
Right Rear Window (Up/Down)	red - black		RR door control module
Sun Roof (Open/Close)	green - purple		sunroof motor
Sun Roof (Limit/Close)			
Memory Seat 1			
Memory Seat 2			
Memory Seat 3			
Radio 12V			
Radio Ground			
Radio Ignition			
Radio Illumination			
Factory Amp Turn-on			
Power Antenna			
Left Front Speaker (+/-)	green - green/brown	+,-	audio amp, left side of trunk
Right Front Speaker (+/-)	black - brown/black	+,-	audio amp, left side of trunk
Left Rear Speaker (+/-)	pink - brown/pink	+,-	audio amp, left side of trunk
Right Rear Speaker (+/-)	white - brown/white	+,-	audio amp, left side of trunk
Center Channel (+/-)			
Subwoofer (+/-)			
Aux. Audio Input Left (+/-)			
Aux. Audio Input Right (+/-)			
RSE Video (+/-)			
RSE Audio Left (+/-)			
RSE Audio Right (+/-)			
Satellite Radio 12 Volts			
Satellite Radio Ground			
Satellite Radio Ignition			
Satellite Radio Antenna			
Satellite Audio Left (+/-)			
Satellite Audio Right (+/-)			

What Fits

Item	Size	Depth	Location
Headunit			
Left Front Speaker			
Left Front Tweeter			
Right Front Speaker			
Right Front Tweeter			
Left Rear Speaker			
Left Rear Tweeter			
Right Rear Speaker			
Right Rear Tweeter			
Center Channel			
Subwoofer			
Left Front Headrest			
Right Front Headrest			
Left Right Headrest			
Right Rear Headrest			
Satellite Radio Tuner			

Additional Wiring Notes

Item	Note
Left Front Door Trigger	The LF door trigger is gray/red, RF door is gray/black, LR door is gray/purple, and the RR door is gray/black. Use all 4 and diode isolate each. The rear SAM (Signal Acquisition and actuation Module) is attached to the rear fuse/relay module. All the door trigger wires are in connector 3.
Power Lock	Lock is negative trigger and unlock is negative trigger thru a resistor. The resistor value is not available at this time. Meter the wire while turning the key in the door to get the resistor value.