

## 2006 Mercedes Benz S Class



### Wiring Information

Item	Wire Color	Polarity	Wire Location
12 Volts	red (common 60A)	+	electronic ignition switch, 4 pin plug, pin 2
Second 12 Volts	red (common 60A)	+	electronic ignition switch, 4 pin plug, pin 3
Starter	purple (for starter kill only)	+	right underhood fuse box, plug (M2), pin 5
Second Starter	N/A		
Ignition	pink/red (for ignition sense only)	+	electronic ignition switch, 4 pin plug, pin 1
Second Ignition	N/A		
Third Ignition	N/A		
Accessory	N/A		
Second Accessory	N/A		
Third Accessory	N/A		
Key Sense	N/A		
Data Bus	N/A		
Can Bus High	brown/red	data	driver kick, door harness
Can Bus Low	brown	data	driver kick, door harness
Can Bus Sw	N/A		
Power Lock	see factory alarm arm		
Power Unlock	see factory alarm disarm		
Lock Motor	(vacuum)		
Unlock Motor	(vacuum)		
Disarm Defeat	(vacuum)		
Parking Lights (+)	gray/black (LR), gray/red (RR)	+	Rear SAM Module, 32 pin plug (C4), pins 30 and 25
Parking Lights (-)			
Hazards	(CAN bus)		
Turn Signal (Left)	black/white (LR)	+	Rear SAM Module, 32 pin plug (C4), pin 31
Turn Signal (Right)	black/green (RR)	+	Rear SAM Module, 32 pin plug (C4), pin 32

*Wiring Information (Continued)*

Item	Wire Color	Polarity	Wire Location
<b>Headlight</b>	yellow (L)	+	Left Front SAM Module, 6 pin plug (C1), pin 1
<b>AutoLights</b>			
<b>Reverse Light</b>	green/pink	+	Rear SAM Module, 32 pin plug (C4), pin 24
<b>Left Front Door Trigger</b>	gray/red	-	Rear SAM Module, 20 pin plug (C3), pin 5
<b>Right Front Door Trigger</b>	gray/black	-	Rear SAM Module, 20 pin plug (C3), pin 20
<b>Left Rear Door Trigger</b>	gray/purple	-	Rear SAM Module, 20 pin plug (C3), pin 19
<b>Right Rear Door Trigger</b>	gray/black	-	Rear SAM Module, 20 pin plug (C3), pin 15
<b>Dome Supervision</b>	(CAN bus)		
<b>Trunk/Hatch Pin</b>	brown/black	-	Rear SAM Module, 8 pin plug (C2), pin 1
<b>Rear Glass Pin</b>	N/A		
<b>Hood Pin</b>	brown/red	-	Right Front SAM Module, 20 pin plug (C3), pin 15
<b>Trunk Hatch/Release</b>	brown	-	Left Front Door Module, plug (C6), pin 8
<b>Trunk Release Motor</b>	(vacuum)		
<b>Fuel Door Release</b>	N/A		
<b>Power Sliding Door (Left)</b>	N/A		
<b>Power Sliding Door (Right)</b>	N/A		
<b>Factory Alarm Arm</b>	red/blue	- resistor	Left Front Door Module, plug (C7), pin 1
<b>Factory Alarm Disarm</b>	same as factory alarm arm	-	
<b>Disarm No Unlock</b>			
<b>Trunk Alarm Shunt</b>	N/A		
<b>Tachometer</b>	gray/stripe	ac	any fuel injector, 2 pin plug, pin 2
<b>Wait to Start</b>	N/A		
<b>Neutral Safety</b>	N/A		
<b>Clutch Pedal</b>	N/A		
<b>Fuel Pump</b>	blue/white	+	rear fuse box, plug (I1), pin 11
<b>Rear Defroster</b>	blue/yellow	+ latched	rear fuse box, plug (I3)
<b>Mirror Defroster</b>	(CAN bus)		
<b>Left Front Heated Seat</b>	(CAN bus)		
<b>Right Front Heated Seat</b>	(CAN bus)		

## Wiring Information (Continued)

Item	Wire Color	Polarity	Wire Location
<b>Speed Sense</b>			
<b>Brake Wire</b>	black/blue/white (functions with ignition on only)	+	brake switch, 2 pin plug, pin 2
<b>Parking Brake</b>	brown/black	-	parking brake switch, 2 pin plug, pin 2
<b>Horn Trigger</b>	black/yellow	+	right underhood fuse box, plug (MR1), pin 6
<b>Wipers</b>	green (L), red (H)	+	left underhood fuse box, plug (M1), pins 3 and 4
<b>Left Front Window (Up/Down)</b>			
<b>Right Front Window (Up/Down)</b>			
<b>Left Rear Window (Up/Down)</b>			
<b>Right Rear Window (Up/Down)</b>			
<b>Sun Roof (Open/Close)</b>			
<b>Sun Roof (Limit/Close)</b>			
<b>Memory Seat 1</b>	(CAN bus)		
<b>Memory Seat 2</b>	(CAN bus)		
<b>Memory Seat 3</b>	(CAN bus)		
<b>Radio 12V</b>	red/yellow	+	radio, 10 pin plug, pin 2
<b>Radio Ground</b>	brown	-	radio, 10 pin plug, pin 1
<b>Radio Ignition</b>	(CAN bus)		
<b>Radio Illumination</b>	(CAN bus)		
<b>Factory Amp Turn-on</b>	blue/black (MOST wake up)		radio, 10 pin plug, pin 3
<b>Power Antenna</b>			
<b>Left Front Speaker (+/-)</b>	green - brown/green	+,-	amplifier, 14 pin plug, pins 7 and 8, or 32 pin plug, pins 27 and 32
<b>Right Front Speaker (+/-)</b>	black - brown/black	+,-	amplifier, 14 pin plug, pins 13 and 14, or 32 pin plug, pins 24 and 29
<b>Left Rear Speaker (+/-)</b>	pink - brown/pink	+,-	amplifier, 14 pin plug, pins 9 and 10, or 32 pin plug, pins 25 and 30
<b>Right Rear Speaker (+/-)</b>	white - brown/white	+,-	amplifier, 14 pin plug, pins 11 and 12, or 32 pin plug, pins 26 and 31
<b>Center Channel (+/-)</b>	gray/green - gray/white	+,-	amplifier, 14 pin plug, pins 5 and 6, or 32 pin plug, pins 23 and 28
<b>Subwoofer (+/-)</b>	blue - blue/white (1); blue/yellow - brown (2)	+,-	amplifier, 14 pin plug, pins 1 and 2; 3 and 4
<b>Aux. Audio Input Left (+/-)</b>			
<b>Aux. Audio Input Right (+/-)</b>			
<b>RSE Video (+/-)</b>	white - (shield)	+,-	radio, 10 pin plug, pins 9 and 10
<b>RSE Audio Left (+/-)</b>			
<b>RSE Audio Right (+/-)</b>			

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Direct Wire Vehicle Information - 1/9/2013 6:03:41 AM			
Satellite Radio 12 Volts	red/yellow	+	Satellite Radio Control Unit, 3 pin plug, pin 2
Satellite Radio Ground	brown	-	Satellite Radio Control Unit, 3 pin plug, pin 1
Satellite Radio Ignition	blue/black (MOST wake up)		Satellite Radio Control Unit, 3 pin plug, pin 3
Satellite Radio Antenna	(coaxial cable)		
Satellite Audio Left (+/-)	(MOST bus)		
Satellite Audio Right (+/-)	(MOST bus)		

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*What Fits*

Item	Size	Depth	Location
<b>Headunit</b>	irregular		center of dash
<b>Left Front Speaker</b>	6.5		left front door
<b>Left Front Tweeter</b>	1.5		left front door
<b>Right Front Speaker</b>	6.5		right front door
<b>Right Front Tweeter</b>	1.5		right front door
<b>Left Rear Speaker</b>	6.5		left rear door
<b>Left Rear Tweeter</b>	1.5		left rear door
<b>Right Rear Speaker</b>	6.5		right rear door
<b>Right Rear Tweeter</b>	1.5		right rear door
<b>Center Channel</b>	3		top center of dash
<b>Subwoofer</b>	10		top center of rear deck
<b>Left Front Headrest</b>			
<b>Right Front Headrest</b>			
<b>Left Right Headrest</b>			
<b>Right Rear Headrest</b>			
<b>Satellite Radio Tuner</b>			left side of luggage compartment

*Additional Wiring Notes*

Item	Note
<b>Left Front Door Trigger</b>	The Rear SAM Module is under the right rear seat, attached to the rear fuse box.
<b>Right Front Door Trigger</b>	The Rear SAM Module is under the right rear seat, attached to the rear fuse box.
<b>Left Rear Door Trigger</b>	The Rear SAM Module is under the right rear seat, attached to the rear fuse box.
<b>Right Rear Door Trigger</b>	The Rear SAM Module is under the right rear seat, attached to the rear fuse box.
<b>Trunk/Hatch Pin</b>	The Rear SAM Module is under the right rear seat, attached to the rear fuse box.
<b>Hood Pin</b>	The Right Front SAM Module is in the right rear corner of the engine compartment, attached to the right underhood fuse box.
<b>Reverse Light</b>	The Rear SAM Module is under the right rear seat, attached to the rear fuse box.
<b>Factory Alarm Arm</b>	Meter this wire while turning the key in the driver door key cylinder.
<b>Parking Lights (+)</b>	The Rear SAM Module is under the right rear seat, attached to the rear fuse box. The LF wire is gray/black at the Left Front SAM Module, 20 pin plug (C3), pin 1. The Left Front SAM Module is in the left rear corner of the engine compartment, attached to the left underhood fuse box. The RF wire is gray/red at the Right Front SAM Module, 20 pin plug (C3), pin 1. The Right Front SAM Module is in the right rear corner of the engine compartment, attached to the right underhood fuse box.
<b>Turn Signal (Left)</b>	The Rear SAM Module is under the right rear seat, attached to the rear fuse box. The LF wire is gray/black at the Left Front SAM Module, 6 pin plug (C1), pin 6. The Left Front SAM Module is in the left rear corner of the engine compartment, attached to the left underhood fuse box.
<b>Turn Signal (Right)</b>	The Rear SAM Module is under the right rear seat, attached to the rear fuse box. The RF wire is gray/black at the Right Front SAM Module, 6 pin plug (C1), pin 6. The Right Front SAM Module is in the right rear corner of the engine compartment, attached to the right underhood fuse box.
<b>Headlight</b>	The Left Front SAM Module is in the left rear corner of the engine compartment, attached to the left underhood fuse box. The R wire is yellow at the Right Front SAM Module, 6 pin plug (C1), pin 4. The Right Front SAM Module is in the right rear corner of the engine compartment, attached to the right underhood fuse box.
<b>Left Front Speaker (+/-)</b>	The amplifier is in the left side of the luggage compartment.
<b>Right Front Speaker (+/-)</b>	The amplifier is in the left side of the luggage compartment.
<b>Left Rear Speaker (+/-)</b>	The amplifier is in the left side of the luggage compartment.
<b>Right Rear Speaker (+/-)</b>	The amplifier is in the left side of the luggage compartment.
<b>Center Channel (+/-)</b>	The amplifier is in the left side of the luggage compartment.
<b>Subwoofer (+/-)</b>	The amplifier is in the left side of the luggage compartment. On some models, the wire colors are gray - brown/gray (1); purple - brown/purple (2) at the amplifier, 32 pin plug, pins 4 and 17; 14 and 13.
<b>Satellite Radio 12 Volts</b>	The Satellite Radio Control Unit is in the left side of the luggage compartment.