2015 Mercedes Benz Sprinter

Wiring Information

Item	Wire Color	Polarity	Wire Location
12 Volts	red (150A)	+	fuse/relay box, rear, black 3 pin plug, pin 1
Second 12 Volts	red/gray (25A); red/gray (10A)	+	ignition sw, bk 5P plg, pin 1; wh/bk 8P plg, pin 8
Starter	purple (for starter kill only)	+	fuse/relay box, rear, black 18 pin plug, pin 1
Second Starter	(CAN bus)(INTERFACE MODULE NEEDED FOR REMOTE STRT)		
Ignition	black	+	ignition switch, black 5 pin plug, pin 2
Second Ignition	black/orange	+	ignition switch, black 5 pin plug, pin 3
Third Ignition	black/yellow	+	ignition switch, white/black 8 pin plug, pin 6
Accessory	N/A		
Second Accessory	N/A		
Third Accessory	N/A		
Key Sense	white/red	+	ignition switch, black 5 pin plug, pin 5
Data Bus	N/A		
Can Bus High	brown/red	data	BCM on fuse/relay box in driver kick, 52 pin plug (C9), pin 51
Can Bus Low	brown	data	BCM on fuse/relay box in driver kick, 52 pin plug (C9), pin 52
Can Bus Sw	N/A		
Power Lock	(use the motor wires)	5 wire	
Power Unlock	(use the motor wires)	5 wire	
Lock Motor	dk. blue/red	5 wire	Driver Door Module, black 20 pin plug, pin 12
Unlock Motor	dk. blue/black	5 wire	Driver Door Module, black 20 pin plug, pin 11
Disarm Defeat	dk. blue/black	5 wire	BCM on fuse/relay box in driver kick, 52 pin plug (C9), pin 48
Parking Lights (+)	gry/bk (LF), gry/rd (RF); gry/bk (LR), gry/rd (RR)	+	BCM, 52 pin plug (C9), pins 23, 9; 20 pin plug (C3), pins 1, 12
Parking Lights (-)			
Hazards	(CAN bus)		
Turn Signal (Left)	black/white (F); black/white (R)	+	BCM, 52 pin plug (C9), pin 13; 20 pin plug (C3), pin 15
Turn Signal (Right)	black/dk. green (F); black/dk. green (R)	+	BCM, 52 pin plug (C9), pin 24; 20 pin plug (C3), pin 16

Wiring Information (Continued)

Item	Wire Color	Polarity	Wire Location
Headlight	yellow/black (L); yellow/red (R)	+	BCM on fuse/relay box in driver kick, 12 pin plug (C7), pins 10, 4
AutoLights			
Reverse Light	white/dk. blue	+	BCM on fuse/relay box in driver kick, 20 pin plug (C3), pin 14
Left Front Door Trigger	dk. blue/dk. green	-	Driver Door Module, black 20 pin plug, pin 8
Right Front Door Trigger	dk. blue/dk. green	-	BCM, 52 pin plug (C9), pin 43
Left Rear Door Trigger	yellow/white or pink/white	-	BCM, 52 pin plug (C9), pin 4
Right Rear Door Trigger	pink/white	-	BCM, 52 pin plug (C9), pin 41
Dome Supervision	brown/dk. green	-	BCM on fuse/relay box in driver kick, 18 pin plug (C6), pin 1
Trunk/Hatch Pin	dk. blue/dk. green	-	BCM on fuse/relay box in driver kick, 20 pin plug (C3), pin 6
Rear Glass Pin	N/A		
Hood Pin	brown/pink	-	hood switch, 2 pin plug, pin 1
Trunk Hatch/Release	N/A		
Trunk Release Motor	N/A		
Fuel Door Release	N/A		
Power Sliding Door (Left)	yellow/dk. green	-	left B pillar sliding door sw, 3 pin plug, pin 2
Power Sliding Door (Right)	gray/dk. green	-	right B pillar sliding door sw, 3 pin plug, pin 2
Factory Alarm Arm	(factory remote only)		
Factory Alarm Disarm	(factory remote only)		
Disarm No Unlock	(transponder and keysense)		
Trunk Alarm Shunt	N/A		
Tachometer	yellow/gray	ac	camshaft position sensor or ECM on dr fender, blk 96 pin plg, pin 35
Wait to Start	N/A		
Neutral Safety	N/A		
Clutch Pedal	N/A		
Fuel Pump	black/brown (2.1L); black/gray (3.0L)	+	fuse/relay box, rear, blk 18 pin plug, pin 18 or 5
Rear Defroster	gray/dk. green (L); brown/dk. blue (R)	+; - latch	BCM on fuse/relay box in driver kick, 52 pin plug (C9), pins 1, 2
Mirror Defroster	(CAN bus)		
Left Front Heated Seat	black/gray	5 wire	switch bank module, black 4 pin plug, pin 2
Right Front Heated Seat	black/purple	5 wire	switch bank module, black 4 pin plug, pin 1

Wiring Information (Continued)

Item	Wire Color	Polarity	Wire Location
Speed Sense	white	ac	instrument cluster, white 18 pin plug, pin 8
Brake Wire	pink/green or black/purple (func with ign on only)	+	brake switch or fuse/relay box, rear, black 14 pin plug, pin 3
Parking Brake	brown/white	-	BCM on fuse/relay box in driver kick, 52 pin plug (C9), pin 32
Horn Trigger	dk. green	+	fuse/relay box, rear, black 18 pin plug, pin 16
Wipers	black/purple (L), black/orange (H)	+	fuse/relay box, rear, black 18 pin plug, pins 3, 6
Left Front Window (Up/Down)	black - dk. green	A	Driver Door Module, black 4 pin plug (C2), pins 4 - 3
Right Front Window (Up/Down)	brown/white - red/white	A	BCM on fuse/relay box in driver kick, 12 pin plug (C7), pins 9 - 7
Left Rear Window (Up/Down)	red/white - dk. blue/white	A	BCM on fuse/relay box in driver kick, 20 pin plug (C3), pins 9 - 10
Right Rear Window (Up/Down)	red/yellow - dk. blue/yellow	A	BCM on fuse/relay box in driver kick, 20 pin plug (C3), pins 20 - 19
Sun Roof (Open/Close)	dk. blue - brown	A	roof control module, 6 pin plug, pins 2 - 1
Sun Roof (Limit/Close)	gray	-	roof control module, 6 pin plug, pin 3
Memory Seat 1	N/A		
Memory Seat 2	N/A		
Memory Seat 3	N/A		
Radio 12V	red/black	+	radio, black 16 pin plug, pin A4 or 15
Radio Ground	brown	-	radio, black 16 pin plug, pin A8 or 12
Radio Ignition	(CAN bus - w/preinstall radio); blk/yel (prewire)	+	radio, black 16 pin plug, pin A7
Radio Illumination	(CAN bus - w/preinstall radio); gry/blu (prewire)	+	radio, black 16 pin plug, pin A6
Factory Amp Turn-on	N/A		
Power Antenna	N/A		
Left Front Speaker (+/-)	brown/purple - brown/dk. green	+,-	radio, black 16 pin plug, pins B5 - B6 or 3 - 7
Right Front Speaker (+/-)	brown/orange - brown/dk. blue	+,-	radio, black 16 pin plug, pins B3 - B4 or 2 - 6
Left Rear Speaker (+/-)	brown/red - brown/white	+,-	radio, black 16 pin plug, pins B7 - B8 or 4 - 8
Right Rear Speaker (+/-)	brown/pink - brown/gray	+,-	radio, black 16 pin plug, pins B1 - B2 or 1 - 5
Center Channel (+/-)	(paralleled with front speakers)		
Subwoofer (+/-)	N/A		
Aux. Audio Input Left (+/-)	black - brown	+,-	radio, 12 pin plug, pins 6 - 11
Aux. Audio Input Right (+/-)	yellow - brown	+,-	radio, 12 pin plug, pins 12 - 11
RSE Video (+/-)	N/A		
RSE Audio Left (+/-)	N/A		
RSE Audio Right (+/-)	N/A		
Satellite Radio 12 Volts	N/A		
Satellite Radio Ground	N/A		
Satellite Radio Ignition	N/A		
Satellite Radio Antenna	N/A		
Satellite Audio Left (+/-)	N/A		
Satellite Audio Right (+/-)	N/A		

What Fits

Item	Size	Depth	Location
Headunit	irregular		center of dash
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
Power Lock	The driver door motor wires are dk. blue/red - dk. blue/black at the Driver Door Module, black 20 pin plug, pins 12 - 11. The passenger door motor wires are dk. blue/red - dk. blue/black at the BCM on fuse/relay box in driver kick, 52 pin plug (C9), pins 49 - 48. The side and rear motor wires are dk. blue/brown - dk. blue/black at the BCM on fuse/relay box in driver kick, 12 pin plug (C7), pins 12 - 11.
Ignition	Can also use black/brown (+)(for ignition sense only) at the fuse/relay box, rear, black 18 pin plug, pin 18.
Can Bus High	There have been reports of the CAN bus wires being flipped on some models.