2015 Mercedes Benz C Class (W205)
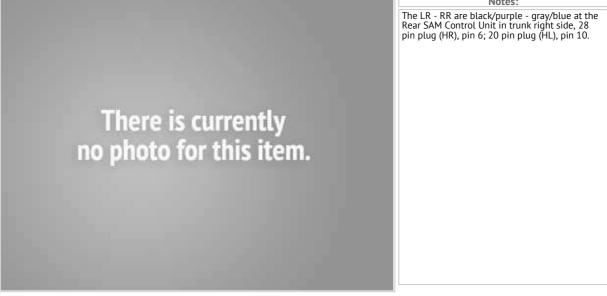
Remote Start, Security, Keyless Entry, Accessories

Item	Wire Color	Polarity	Wire Location
12 Volts	red (50A)	+	Front SAM Control Unit under driver dash, 2 pin plug, pin 1
Second 12 Volts	N/A		
Starter	purple/white (for starter kill only)	+	underhood fuse/relay box, plug (S4), pin 3
Second Starter	N/A		
Ignition	black/red (for ignition sense only)	+	Front SAM Control Unit under driv dash, 31 pin plug (MR2), pin 29
Second Ignition	N/A		
Third Ignition	N/A		
Accessory	N/A		
Second Accessory	N/A		
Third Accessory	N/A		
Keysense	N/A		
Data Bus	N/A		
Can Bus High	brown/red	data	Front SAM Control Unit under driv dash, 52 pin plug (RBA1), pin 42
Can Bus Low	brown	data	Front SAM Control Unit under driv dash, 52 pin plug (RBA1), pin 43
Can Bus Sw	N/A		
Power Lock	yellow	- resistor	Left Front Door Control Unit, plug (C5), pin 4
Power Unlock	(same as power lock)	-	
Lock Motor	orange	5 wire	Left Front Door Control Unit, plug (C7), pin 7
Driver Unlock Motor	gray	5 wire	Left Front Door Control Unit, plug (C7), pin 6
Passenger Unlock Motor	gray	5 wire	Right Front Door Control Unit, plug (C7), pin 6
Parking Lights (-)	(LIN bus)		
Parking Lights (+)	blue/green (LF); gray/yellow (RF)	+	Front SAM, 31 pin plug (MR1), pin 29; 31 pin plug (MR2), pin 17
Hazards	(LIN bus)		
Turn Signal (Left)	blue/brown (F)(w/o LED only); black/white (R)	+	Frnt SAM, 31 pin plg(MR1), pin 10; Rear SAM, 20 pin plg (HL), pin 18
Turn Signal (Right)	gray/purple (F)(w/o LED only); black/green (R)	+	Front SAM, 31 pin plg(MR2), pin 4; Rear SAM, 28 pin plg (HR), pin 10
Headlight	gray/orange (L); gray/pink (R) (w/o LED only)	+	Front SAM, 31 pin plug (MR1), pin 7; 31 pin plug (MR2), pin 2
AutoLights	(LIN bus)		
Reverse Light	black/green or black/blue	+	Rear SAM Control Unit in trunk right side, 20 pin plug (HL), pin 15
Left Front Door Trigger	blue	-	Left Front Door Control Unit, plug (C7), pin 9
Right Front Door Trigger	blue	-	Right Front Door Control Unit, plug (C7), pin 9
Left Rear Door Trigger	blue	-	Left Rear Door Control Unit, plug (C7), pin 9
Right Rear Door Trigger	blue	-	Right Rear Door Control Unit, plug (C7), pin 9

Remote Start, Security, Keyless Entry, Accessories (Continued)

Item	Wire Color	Polarity	Wire Location
Dome Supervision	(CAN bus)		
Trunk/Hatch Pin			
Rear Glass Pin	N/A		
Hood Pin	blue	-	Front SAM Control Unit under driv dash, 52 pin plug (RBA1), pin 47
Trunk/Hatch Release	green/white (rear handle switch)	-	Rear SAM Control Unit in trunk right side, 48 pin plug (HD), pin 37
Trunk Release Motor	brown/purple or red	5 wire	Rear SAM Control Unit in trunk R side, 48 pin plug (HD), pin 1 or 2
Fuel Door Release	(locks/unlocks along with doors)		
Power Sliding Door (Left)	N/A		
Power Sliding Door (Right)	N/A		
Factory Alarm Arm	(factory remote only)		
Factory Alarm Disarm	(factory remote only)		
Disarm No Unlock	N/A		
Trunk Alarm Shunt	N/A		
Tachometer	red/black (I4); yellow/white (V6)	ac	camshaft position sensor, engine driver side front, 3 pin plug, pin 2
Wait to Start	N/A		
Neutral Safety	N/A		
Clutch Pedal	N/A		
Fuel Pump	pink/black	+	trunk fuse/relay box, plug (S11), pin 5
Rear Defroster	purple/green	+ latched	Rear SAM Control Unit in trunk right side, 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 in trunk R side, 52 pin plug (RBA1), pin 38
Parking Brake	(electric parking brake)		
Horn Trigger	yellow/green	+	Front SAM Control Unit under driv dash, 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)		
Right Rear Window (Up/Down)	(not recommended because of factory auto up/down)		
Sun Roof (Open/Close)	(LIN bus)		
Sun Roof (Limit/Close)	N/A		
Memory Seat 1	(LIN bus)		
Memory Seat 2	(LIN bus)		
Memory Seat 3	(LIN bus)		

Audio			
Item	**Wire Color**	**Polarity**	**Wire Location**
Radio 12V	red	+	radio, 16 pin plug, pin 15
Radio Ground	brown	-	radio, 16 pin plug, pin 12
Radio Ignition	(CAN bus)		
Radio Illumination	N/A		
Factory Amp Turn-on	orange (MOST wake up)		radio, 16 pin plug, pin 16
Power Antenna	N/A		
Left Front Speaker (+/-)	blue/black - blue	+,-	radio, 8 pin plug, pins 3 - 7
Right Front Speaker (+/-)	green/black - green	+,-	radio, 8 pin plug, pins 2 - 6
Left Rear Speaker (+/-)	white/black - white	+,-	radio, 8 pin plug, pins 4 - 8
Right Rear Speaker (+/-)	gray/black - gray	+,-	radio, 8 pin plug, pins 7 - 5
Center Channel (+/-)	gray/black - gray (with amplifier)	+,-	amplifier in trunk right side, 32 pin plug, pins 12 - 11
Subwoofer (+/-)	purple/black - purple	+,-	radio, 8 pin plug, pins 1 - 7
Aux. Audio Input Left (+/-)	N/A		
Aux. Audio Input Right (+/-)	N/A		
RSE Video (+/-)	N/A		
RSE Audio Left (+/-)	N/A		
RSE Audio Right (+/-)	N/A		
Satellite Radio 12 Volts	(built into tuner unit under cargo floor R side)		
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 door
Left Front Tweeter			left front door
Right Front Speaker			right front door
Right Front Tweeter			right front door
Left Rear Speaker			left rear door
Left Rear Tweeter			left rear door (tweeter); rear shelf (surround)
Right Rear Speaker			right rear door
Right Rear Tweeter			right rear door (tweeter); rear shelf (surround)
Center Channel			top center of dash
Subwoofer			left and right front footwell
Left Front Headrest			
Right Front Headrest			
Left Rear Headrest			
Right Rear Headrest			
Satellite Radio Tuner	(built into tuner unit under cargo floor R side)		

Wiring Photo and Notes: Parking Lights (+)

Notes:

The LR - RR are black/purple - gray/blue at the Rear SAM Control Unit in trunk right side, 28 pin plug (HR), pin 6; 20 pin plug (HL), pin 10.
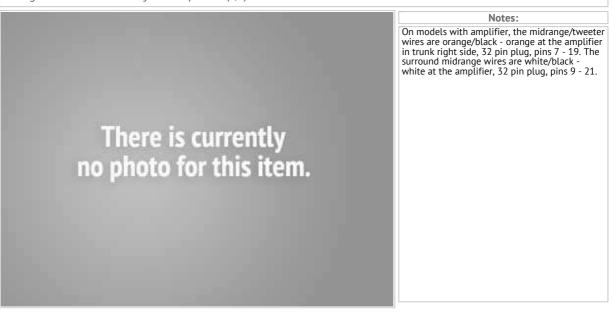
Wiring Photo and Notes: Left Front Speaker (+/-)

Notes:

On models with amplifier, the midrange/tweeter wires are blue - blue/black at the amplifier in trunk right side, 32 pin plug, pins 13 - 14.

There is currently no photo for this item.

Wiring Photo and Notes: Right Front Speaker (+/-)

Notes:
On models with amplifier, the midrange/tweeter wires are green/black - green at the amplifier in trunk right side, 32 pin plug, pins 5 - 17.

There is currently no photo for this item.

Wiring Photo and Notes: Left Rear Speaker (+/-)

Notes:
On models with amplifier, the midrange/tweeter wires are orange/black - orange at the amplifier in trunk right side, 32 pin plug, pins 7 - 19. The surround midrange wires are white/black - white at the amplifier, 32 pin plug, pins 9 - 21.

There is currently no photo for this item.

Wiring Photo and Notes: Right Rear Speaker (+/-)

Notes:

On models with amplifier, the midrange/tweeter wires are brown/black - brown at the amplifier in trunk right side, 32 pin plug, pins 8 - 20. The surround midrange wires are yellow/black - yellow at the amplifier, 32 pin plug, pins 10 - 22.

Wiring Photo and Notes: Subwoofer (+/-)

Notes:

On models with amplifier, the front bass wires are pink/black - pink (L); purple/black - purple (R) at the amplifier in trunk right side, 32 pin plug, pins 3 - 15; 4 - 16.