2009 Mercedes Benz C Class (W204)

Wiring Information

Item	Wire Color	Polarity	Wire Location
12 Volts	red (40A)	+	trunk fuse box, 1 pin plug (2V), pin 1
Second 12 Volts	N/A		
Starter	purple/white (for starter kill only)	+	underhood fuse box, 6 pin plug (3M), pin 4
Second Starter	N/A		
Ignition	pink/red (for ignition sense only)	+	trunk fuse box, 7 pin plug (13A), pin 5
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 or trunk fuse box, 50 pin plug (9I), pin 30
Can Bus Low	brown	data	driver kick or trunk fuse box, 50 pin plug (9I), pin 31
Can Bus Sw	N/A		
Power Lock	(ribbon harness)	-	Left Front Door Module, plug (C5), pin 4
Power Unlock	same as power lock	- resistor	
Lock Motor	gray/black	5 wire	Left Front Door Module, plug (C7), pin 7
Unlock Motor	gray/blue	5 wire	Left Front Door Module, plug (C7), pin 6
Disarm Defeat	gray/blue	5 wire	Right Front Door Module, plug (C7), pin 6
Parking Lights (+)	gray (LF), gray/white (RF)	+	underhood fuse box, 18 pin plug (21M), pins 13 and 14
Parking Lights (-)	(LIN bus)		
Hazards	(LIN bus)		
Turn Signal (Left)	black/white (LF)	+	underhood fuse box, 18 pin plug (20M), pin 18
Turn Signal (Right)	black/green (RF)	+	underhood fuse box, 18 pin plug (18M), pin 11

Wiring Information (Continued)

Item	Wire Color	Polarity	Wire Location
Headlight	white/black (L); white (R) (high beams)	+	underhood fuse box, 10P plg 14M, pin 1; 10P plg 15M, pin 10
AutoLights			
Reverse Light	gray/blue	+	trunk fuse box, 28 pin plug (5H), pin 22
Left Front Door Trigger	brown/pink	-	Left Front Door Module, plug (C7), pin 9
Right Front Door Trigger	brown/pink	-	Right Front Door Module, plug (C7), pin 9
Left Rear Door Trigger	brown/pink	-	trunk fuse box, 50 pin plug (9I), pin 4
Right Rear Door Trigger	brown/gray	-	trunk fuse box, 50 pin plug (9I), pin 3
Dome Supervision	CAN bus (frnt dome lamp); blk/gry (rear dome lamp)	+	overhead control panel, 8 pin plug (C), pin 5
Trunk/Hatch Pin	brown/yellow	-	trunk fuse box, 32 pin plug (6HD), pin 29
Rear Glass Pin	N/A		
Hood Pin	brown/red	-	hood switch or trunk fuse box, 50 pin plug (9I), pin 5
Trunk Hatch/Release	green/white	-	trunk fuse box, 32 pin plug (6HD), pin 31
Trunk Release Motor	black/white	5 wire	trunk fuse box, 32 pin plug (6HD), pin 3
Fuel Door Release	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			
Trunk Alarm Shunt	N/A		
Tachometer	white/stripe	ac	any fuel injector
Wait to Start	N/A		
Neutral Safety	N/A		
Clutch Pedal	brown (in), brown/black (out)	- N.O.	clutch switch, 2 pin plug, pins 1 and 2
Fuel Pump	pink/red	+	trunk fuse box, 50 pin plug (9I), pin 18
Rear Defroster	black	+ latched	trunk fuse box, 1 pin plug (1H), pin 1
Mirror Defroster	(CAN bus)		
Left Front Heated Seat	black/gray	5 wire	trunk fuse box, 8 pin plug (7I), pin 7
Right Front Heated Seat	black/purple	5 wire	trunk fuse box, 8 pin plug (7I), pin 8

Wiring Information (Continued)

Item	Wire Color	Polarity	Wire Location
Speed Sense			
Brake Wire	black/red	+	trunk fuse box, 32 pin plug (6HD), pin 1
Parking Brake	brown/black	-	parking brake switch, 2 pin plug, pin 2
Horn Trigger	black/white	+	underhood fuse box, 10 pin plug (15M), pin 9
Wipers	(CAN bus)		
Left Front Window (Up/Down)			
Right Front Window (Up/Down)			
Left Rear Window (Up/Down)			
Right Rear Window (Up/Down)			
Sun Roof (Open/Close)			
Sun Roof (Limit/Close)			
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)		
Radio Illumination	(CAN bus)		
Factory Amp Turn-on	blue/black (MOST wake up)		radio, 16 pin plug, pin 16
Power Antenna	purple (mobile phone on/off)		radio, 16 pin plug, pin 13
Left Front Speaker (+/-)	green - brown/green	+,-	radio, 16 pin plug, pins 3 and 7
Right Front Speaker (+/-)	orange - brown/orange	+,-	radio, 16 pin plug, pins 2 and 6
Left Rear Speaker (+/-)	pink - brown/pink	+,-	radio, 16 pin plug, pins 4 and 8
Right Rear Speaker (+/-)	white - brown/white	+,-	radio, 16 pin plug, pins 1 and 5
Center Channel (+/-)	gray - brown/gray	+,-	amplifier, 32 pin plug, pins 23 and 28
Subwoofer (+/-)	green - brown/green (1); purple - brown/purple (2)	+,-	amplifier, 32 pin plug, pins 4 and 16; 3 and 15
Aux. Audio Input Left (+/-)	black - brown	+,-	radio, 12 pin plug, pins 6 and 11
Aux. Audio Input Right (+/-)	yellow - brown	+,-	radio, 12 pin plug, pins 12 and 11
RSE Video (+/-)			
RSE Audio Left (+/-)	black - brown	+,-	radio, 8 pin plug, pins 8 and 3
RSE Audio Right (+/-)	yellow - brown	+,-	radio, 8 pin plug, pins 4 and 3

Satellite Radio 12 Volts	red/purple	+	Satellite Radio Control Unit, 4 pin plug, pin 2
Satellite Radio Ground	brown	-	Satellite Radio Control Unit, 4 pin plug, pin 1
Satellite Radio Ignition	blue/black (MOST wake up)		Satellite Radio Control Unit, 4 pin plug, pin 3
Satellite Radio Antenna	(coaxial cable)		
Satellite Audio Left (+/-)	(MOST bus)		
Satellite Audio Right (+/-)	(MOST bus)		

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 deck (surround)
Right Rear Speaker			right rear door
Right Rear Tweeter			right rear deck (surround)
Center Channel			top center of dash
Subwoofer			top center of rear deck
Left Front Headrest			
Right Front Headrest			
Left Right Headrest			
Right Rear Headrest			
Satellite Radio Tuner			center front of luggage compartment

Additional Wiring Notes

Item	Note
Parking Lights (+)	The LR - RR wires are black/blue - black/brown at the trunk fuse box, 28 pin plug (5H), pins 1 and 2.
Turn Signal (Left)	The LR wire is black/white at the trunk fuse box, 28 pin plug (5H), pin 25.
Turn Signal (Right)	The RR wire is black/green at the trunk fuse box, 28 pin plug (5H), pin 15.
Satellite Radio 12 Volts	If equipped, the Satellite Radio Control Unit is in the center front of the luggage compartment.
Center Channel (+/-)	If equipped, the amplifier is in the left side of the luggage compartment.
Subwoofer (+/-)	If equipped, the amplifier is in the left side of the luggage compartment.
Left Front Speaker (+/-)	If equipped, the amplifier is in the left side of the luggage compartment. On vehicles with amplifier, the speaker wires are green - brown/green at the amplifier, 32 pin plug, pins 6 and 18.
Right Front Speaker (+/-)	If equipped, the amplifier is in the left side of the luggage compartment. On vehicles with amplifier, the speaker wires are orange - brown/orange at the amplifier, 32 pin plug, pins 5 and 17.
Left Rear Speaker (+/-)	If equipped, the amplifier is in the left side of the luggage compartment. On vehicles with amplifier, the speaker wires are pink - brown/pink at the amplifier, 32 pin plug, pins 8 and 20. The surround speaker wires are blue - brown/blue at the amplifier, 32 pin plug, pins 10 and 22.
Right Rear Speaker (+/-)	If equipped, the amplifier is in the left side of the luggage compartment. On vehicles with amplifier, the speaker wires are white - brown/white at the amplifier, 32 pin plug, pins 7 and 19. The surround speaker wires are yellow - brown/yellow at the amplifier, 32 pin plug, pins 9 and 21.
Trunk Hatch/Release	Meter this wire while opening the luggage compartment from the handle on the rear of the vehicle.