2004 MercedesBenz EClass(W211)EU - Requested by: ampire.de

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Wiring Information

Item	Wire Color	Polarity	Wire Location
12 Volts	red (20A)	+	Electronic Ignition Switch, 5 pin plug (C), pin 1
Second 12 Volts	red (150A)	+	driver dash fuse box
Ground	(chassis ground)		
Starter	violet/white or violet (for starter kill only)	+	underhood fuse box, 6 pin plug (B2), pin 5
Ignition	pink/red (for ignition sense only)	+ low curr	Electronic Ignition Switch, 5 pin plug (C), pin 2
CAN Bus High	brown/red	data	Central Gateway Module under driver dash, 10 pin plug, pin 10
CAN Bus Low	brown	data	Central Gateway Module under driver dash, 10 pin plug, pin 9
Power Lock	(CAN bus)		
Power Unlock	(CAN bus)		
Lock Motor	black	5 wire	Left Front Door Module, plug (C5), pin 3
Driver Unlock Motor	red	5 wire	Left Front Door Module, plug (C5), pin 2
Passenger Unlock Motor	red	5 wire	Right Front Door Module, plug (C5), pin 2
Factory Alarm Arm	(factory remote only)		
Factory Alarm Disarm	(factory remote only)		
Parking Lights	gray/black (LF), gray/red (RF)	+	underhood fuse box, 4 pin plug (I12), pins 1 and 2
Hazards	(CAN bus)		
Turn Signal (Left)	black/white (LF)	+	underhood fuse box, 10 pin plug (M3), pin 5
Turn Signal (Right)	black/green (RF)	+	Passenger Side SAM on pass floorboard, 6 pin plug (I3), pin 1
Headlight	yellow/black (L)	+	underhood fuse box, 10 pin plug (M3), pin 2
Reverse Light	gray/yellow	+	trunk fuse box, 14 pin plug (C14), pin 8
Left Front Door Trigger	brown/yellow	-	trunk fuse box, 12 pin plug (C2), pin 9
Right Front Door Trigger	brown/white	-	trunk fuse box, 12 pin plug (C2), pin 8
Left Rear Door Trigger	brown/blue	-	trunk fuse box, 12 pin plug (C2), pin 11
Right Rear Door Trigger	brown/violet	-	trunk fuse box, 12 pin plug (C2), pin 10

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Item	Wire Color	Polarity	Wire Location
Dome Light	(CAN bus)		
Trunk/Hatch Pin	green	-	trunk fuse box, 28 pin plug (C21), pin 4
Hood Pin	brown/red	-	trunk fuse box, 8 pin plug (C4), pin 1
Trunk/Hatch Release	gray/yellow (rear handle switch)	-	trunk fuse box, 28 pin plug (C21), pin 5
Trunk Release Motor	red/brown or gray/pink	5 wire	trunk fuse box, 28 pin plug (C21), pin 11 or 7
Fuel Door Release	brown or red/yellow	5 wire	trunk fuse box, 4 pin plug (C13), pin 2 or 3
Tachometer	gray/stripe	ac	any fuel injector
Fuel Pump	red/green	+	trunk fuse box, 7 pin plug (C1), pin 3
Rear Defroster	red/yellow	+ latched	trunk fuse box, 5 pin plug (C20), pin 5
Mirror Defroster	(CAN bus)		
Left Front Heated Seat	white/green	5 wire	Seat Ventilation Module under driver seat, 6 pin plug (C1), pin 3
Right Front Heated Seat	white/gray	5 wire	Seat Ventilation Module under driver seat, 6 pin plug (C1), pin 4
Speed Sense	(wheel speed sensor)		
Brake Wire	black/red	+	brake switch, 2 pin plug, pin 2
Parking Brake	brown/white	-	parking brake switch, 2 pin plug, pin 1
Horn Trigger	yellow	+	underhood fuse box, 14 pin plug (M2), pin 10
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)		
Memory Seat 1	(LIN bus)		
Memory Seat 2	(LIN bus)		
Memory Seat 3	(LIN bus)		
Radio 12V	red/yellow	+	radio, 12 pin plug, pin 1
Radio Ground	brown	-	radio, 12 pin plug, pin 2
Radio Ignition	(CAN bus)		

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Item	Wire Color	Polarity	Wire Location
Radio Illumination	(CAN bus)		
Factory Amp Turn-on	pink (MOST wake up)		radio, 12 pin plug, pin 3
Left Front Speaker (+/-)	green - brown/green	+,-	amplifier in trunk left side, 14 pin plug, pins 7 - 8
Right Front Speaker (+/-)	black - brown/black	+,-	amplifier in trunk left side, 14 pin plug, pins 13 - 14
Left Rear Speaker (+/-)	pink - brown/pink	+,-	amplifier in trunk left side, 14 pin plug, pins 9 - 10
Right Rear Speaker (+/-)	white - brown/white	+,-	amplifier in trunk left side, 14 pin plug, pins 11 - 12
Center Channel (+/-)	blue - brown/white	+,-	amplifier in trunk left side, 14 pin plug, pins 5 - 6
Subwoofer (+/-)	yellow - brown/yellow (1); orange - brown/org (2)	+,-	amplifier in trunk left side, 14 pin plug, pins 1 - 2; 3 - 4
Aux. Audio Input Left (+/-)	white - (shield)	+,-	radio, 3 pin plug, pins 3 - 2
Aux. Audio Input Right (+/-)	brown - (shield)	+,-	radio, 3 pin plug, pins 1 - 2

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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; left rear deck (surround)
Right Rear Speaker			right rear door
Right Rear Tweeter			right rear door; right rear deck (surround)
Center Channel			top center of dash
Subwoofer			top center of rear deck

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Additional Wiring Notes

Item	Note
Headlight	The (R) is yellow at the Passenger Side SAM on passenger floorboard, 6 pin plug (I3), pin 6.
Left Rear Speaker (+/-)	The surround speaker wires are gray - brown/gray, or pink - brown/pink, at the amplifier, 4 pin plug, pins 1 - 2.
Parking Lights	The LR - RR are gray/black - gray/red, or black/red - black/red, at the trunk fuse box, 14 pin plug (C14), pins 4 - 10.
Right Rear Speaker (+/-)	The surround speaker wires are purple - brown/purple, or gray - brown/gray at the amplifier, 4 pin plug, pins 3 - 4.
Turn Signal (Left)	The (LR) is black/white at the trunk fuse box, 14 pin plug (C14), pin 11.
Turn Signal (Right)	The (RR) is black/green at the trunk fuse box, 14 pin plug (C14), pin 3.