

## 2012 Mercedes Benz CLS Class (W218)



## Wiring Information

Item	Wire Color	Polarity	Wire Location
<b>12 Volts</b>	red (100A)	+	trunk fuse box, 1 pin plug, pin 1
<b>Second 12 Volts</b>	N/A		
<b>Starter</b>	purple/white (for starter kill only)	+	underhood fuse box, 7 pin plug (3M), pin 4
<b>Second Starter</b>	N/A		
<b>Ignition</b>	black/blue (for ignition sense only)	+	trunk fuse box, 52 pin plug (9I), pin 18
<b>Second Ignition</b>	N/A		
<b>Third Ignition</b>	N/A		
<b>Accessory</b>	N/A		
<b>Second Accessory</b>	N/A		
<b>Third Accessory</b>	N/A		
<b>Key Sense</b>	N/A		
<b>Data Bus</b>	N/A		
<b>Can Bus High</b>	brown/red	data	driver kick or trunk fuse box, 52 pin plug (9I), pin 30
<b>Can Bus Low</b>	brown	data	driver kick or trunk fuse box, 52 pin plug (9I), pin 31
<b>Can Bus Sw</b>	N/A		
<b>Power Lock</b>	gray/blue	-	Left Front Door Module, plug (C5), pin 4
<b>Power Unlock</b>	(same as power lock)	- resistor	
<b>Lock Motor</b>	green/black	5 wire	Left Front Door Module, plug (C7), pin 7
<b>Unlock Motor</b>	green	5 wire	Left Front Door Module, plug (C7), pin 6
<b>Disarm Defeat</b>	green	5 wire	Right Front Door Module, plug (C7), pin 6
<b>Parking Lights (+)</b>	gry/bk (LF), gry/rd (RF); gry/bk (LR), gry/rd (RR)	+	undrhd FB, 18P plg(21M), pins 13, 14; trnk FB, 28P plg(5H),pins17,16
<b>Parking Lights (-)</b>	(LIN bus)		
<b>Hazards</b>	(LIN bus)		
<b>Turn Signal (Left)</b>	black/white (F); black/white (R)	+	underhood FB, 18P plg (20M), pin 18; trunk FB, 28P plg (5H), pin 25
<b>Turn Signal (Right)</b>	black/green (F); black/green (R)	+	underhood FB, 18P plg (18M), pin 11; trunk FB, 28P plg (5H), pin 15

## Wiring Information (Continued)

Item	Wire Color	Polarity	Wire Location
<b>Headlight</b>	yellow/black (L); yellow (R) (low beams)	+	underhood FB, 10 pin plug (15M), pin 8; 10 pin plug (14M), pin 2
<b>AutoLights</b>	(LIN bus)		
<b>Reverse Light</b>	gray/blue	+	trunk fuse box, 28 pin plug (5H), pin 22
<b>Left Front Door Trigger</b>	brown/pink	-	Left Front Door Module, plug (C7), pin 9
<b>Right Front Door Trigger</b>	brown/pink	-	Right Front Door Module, plug (C7), pin 9
<b>Left Rear Door Trigger</b>	purple	-	trunk fuse box, 52 pin plug (9I), pin 4
<b>Right Rear Door Trigger</b>	gray	-	trunk fuse box, 52 pin plug (9I), pin 3
<b>Dome Supervision</b>	(CAN bus, frnt dome lamp); blk/gry(rear dome lamp)	+	overhead control panel, 8 pin plug (C), pin 5
<b>Trunk/Hatch Pin</b>	brown/yellow	-	trunk fuse box, 32 pin plug (6HD), pin 29
<b>Rear Glass Pin</b>	N/A		
<b>Hood Pin</b>	brown/red	-	hood switch or trunk fuse box, 52 pin plug (9I), pin 5
<b>Trunk Hatch/Release</b>	gray (rear handle switch)	-	trunk fuse box, 32 pin plug (6HD), pin 31
<b>Trunk Release Motor</b>	black/white	5 wire	trunk fuse box, 32 pin plug (6HD), pin 3
<b>Fuel Door Release</b>	(unlocks along with doors)		
<b>Power Sliding Door (Left)</b>	N/A		
<b>Power Sliding Door (Right)</b>	N/A		
<b>Factory Alarm Arm</b>	(factory remote only)		
<b>Factory Alarm Disarm</b>	(factory remote only)		
<b>Disarm No Unlock</b>			
<b>Trunk Alarm Shunt</b>	N/A		
<b>Tachometer</b>	black, blue, green, gray, pink, purple, wht or yel	ac	any fuel injector, 2 pin plug, pin 1
<b>Wait to Start</b>	N/A		
<b>Neutral Safety</b>	N/A		
<b>Clutch Pedal</b>	N/A		
<b>Fuel Pump</b>	black/purple	+	underhood fuse box, 5 pin plug (9G), pin 5
<b>Rear Defroster</b>	black	+ latched	trunk fuse box, 1 pin plug (1H), pin 1
<b>Mirror Defroster</b>	(CAN bus)		
<b>Left Front Heated Seat</b>	(LIN bus)		
<b>Right Front Heated Seat</b>	(LIN bus)		

## Wiring Information (Continued)

Item	Wire Color	Polarity	Wire Location
<b>Speed Sense</b>	(wheel speed sensor)		
<b>Brake Wire</b>	black/red	+	trunk fuse box, 32 pin plug (6HD), pin 1
<b>Parking Brake</b>	brown/black	-	parking brake switch, 2 pin plug, pin 2
<b>Horn Trigger</b>	black or black/white	+	underhood fuse box, 10 pin plug (15M), pin 9
<b>Wipers</b>	(CAN bus)		
<b>Left Front Window (Up/Down)</b>	(not recommended because of factory auto up/down)		
<b>Right Front Window (Up/Down)</b>	(not recommended because of factory auto up/down)		
<b>Left Rear Window (Up/Down)</b>	(not recommended because of factory auto up/down)		
<b>Right Rear Window (Up/Down)</b>	(not recommended because of factory auto up/down)		
<b>Sun Roof (Open/Close)</b>	(not recommended because of factory auto open/cls)		
<b>Sun Roof (Limit/Close)</b>	N/A		
<b>Memory Seat 1</b>	(LIN bus)		
<b>Memory Seat 2</b>	(LIN bus)		
<b>Memory Seat 3</b>	(LIN bus)		
<b>Radio 12V</b>	red/blue	+	radio, 16 pin plug, pin 15
<b>Radio Ground</b>	brown	-	radio, 16 pin plug, pin 12
<b>Radio Ignition</b>	(CAN bus)		
<b>Radio Illumination</b>	(CAN bus)		
<b>Factory Amp Turn-on</b>	blue/black (MOST wake up)		radio, 16 pin plug, pin 16
<b>Power Antenna</b>	blue (mobile phone on/off)		radio, 16 pin plug, pin 13
<b>Left Front Speaker (+/-)</b>	green - brown/green	+,-	radio, 16 pin plug, pins 3 - 7
<b>Right Front Speaker (+/-)</b>	orange - brown/orange	+,-	radio, 16 pin plug, pins 2 - 6
<b>Left Rear Speaker (+/-)</b>	purple - brown/purple	+,-	radio, 16 pin plug, pins 4 - 8
<b>Right Rear Speaker (+/-)</b>	white - brown/white	+,-	radio, 16 pin plug, pins 1 - 5
<b>Center Channel (+/-)</b>	gray - brown/gray	+,-	amplifier in trunk left side, 32 pin plug, pins 23 - 28
<b>Subwoofer (+/-)</b>	white - brown (preamp); black (amp turn-on)	+,-	amplifier in trunk left side, 32 pin plug, pins 24 - 29; pin 31
<b>Aux. Audio Input Left (+/-)</b>	black - brown	+,-	radio, 12 pin plug, pins 6 - 11
<b>Aux. Audio Input Right (+/-)</b>	yellow - brown	+,-	radio, 12 pin plug, pins 12 - 11
<b>RSE Video (+/-)</b>	N/A		
<b>RSE Audio Left (+/-)</b>	N/A		
<b>RSE Audio Right (+/-)</b>	N/A		
<b>Satellite Radio 12 Volts</b>	red/yellow	+	Sat Radio in trunk left side, 4 pin plug, pin 2

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DirectWire Vehicle Information - 2/6/2014 1:31:04 AM			
Satellite Radio Ground	brown	-	Sat Radio in trunk left side, 4 pin plug, pin 1
Satellite Radio Ignition	blue/black (MOST wake up)		Sat Radio in trunk left side, 4 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>			left front door
<b>Left Front Tweeter</b>			left front door
<b>Right Front Speaker</b>			right front door
<b>Right Front Tweeter</b>			right front door
<b>Left Rear Speaker</b>			left rear door
<b>Left Rear Tweeter</b>			left rear door (twtr); left rear deck (surr)
<b>Right Rear Speaker</b>			right rear door
<b>Right Rear Tweeter</b>			right rear door (twtr); right rear deck (surr)
<b>Center Channel</b>			top center of dash
<b>Subwoofer</b>			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>			trunk left side

*Additional Wiring Notes*


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Item	Note
<b>Left Front Speaker (+/-)</b>	On models with amplifier, the woofer wires are blue - brown/blue at the amplifier in trunk left side, 32 pin plug, pins 3 - 15. The midrange/tweeter wires are green - brown/green at the amplifier, 32 pin plug, pins 6 - 18.
<b>Right Front Speaker (+/-)</b>	On models with amplifier, the woofer wires are red - brown/red at the amplifier in trunk left side, 32 pin plug, pins 4 - 16. The midrange/tweeter wires are orange - brown/orange at the amplifier, 32 pin plug, pins 5 - 17.
<b>Left Rear Speaker (+/-)</b>	On models with amplifier, the midrange/tweeter wires are purple - brown/purple at the amplifier in trunk left side, 32 pin plug, pins 8 - 20. The surround wires are yellow - brown/yellow at the amplifier, 32 pin plug, pins 10 - 22.
<b>Right Rear Speaker (+/-)</b>	On models with amplifier, the midrange/tweeter wires are white - brown/white at the amplifier in trunk left side, 32 pin plug, pins 7 - 19. The surround wires are pink - brown/pink at the amplifier, 32 pin plug, pins 9 - 21.