

# DirectWire

2008 Jeep Grand Cherokee - North America - Requested by ampire.de

## Wiring Information

Item	Wire Color	Polarity	Wire Location
12 Volts	red/orange (40A)	+	fuse box, top 40 pin plug, pin 39
Second 12 Volts	lt. blue/red (20A)	+	Wireless Ignition Node on ignition switch, black 12 pin plug, pin 1
Starter	yellow/gray (for starter kill only)	+	starter or starter relay in Power Distribution Center on driver fender
Ignition	pink/white (for ignition sense only)	+	Wireless Ignition Node on ignition switch, black 12 pin plug, pin 3
Accessory	red/lt. green (for accessory sense only)	+	instrument panel power outlet
CAN Bus High	white/lt. green (CAN C BUS)	data	Wireless Ignition Node on ignition switch, black 12 pin plug, pin 5
CAN Bus Low	white/lt. blue (CAN C BUS)	data	Wireless Ignition Node on ignition switch, black 12 pin plug, pin 6
CAN Bus High 2	white/orange (CAN B BUS)	data	driver kick, door harness
CAN Bus Low 2	white (CAN B BUS)	data	driver kick, door harness
Power Lock	lt. green/dk. green	-	fuse box, rear plug, pin 27
Power Unlock	tan/lt. green (driver), violet/lt. grn (passenger)	-	fuse box, rear plug, pins 26, 33
Lock Motor	lt. green/lt. blue	5 wire	driver kick or fuse box, bottom plug, pin 36
Driver Unlock Motor	lt. green/dk. green	5 wire	driver kick or fuse box, bottom plug, pin 35
Passenger Unlock Motor	lt. green/tan	5 wire	driver kick or fuse box, bottom plug, pin 34
Hazards	white/dk. blue	-	hazard switch, black 12 pin plug, pin 4

Item	Wire Color	Polarity	Wire Location
Turn Signal (Left)	white/lt. green (F), white/dk. green (R)	+	FCM attached to IPM, plug (C2), pin 10; IPM/underhood fuse relay box, plug (C2), pin 15
Turn Signal (Right)	white/tan (F), white/orange (R)	+	FCM attached to IPM, plug (C2), pin 8; IPM/underhood fuse relay box, plug (C1), pin 23
Headlight	white/dk. blue (L), white/tan (R)	+	FCM attached to IPM, plug (C2), pins 6 and 1
Reverse Light	white/lt. green	+	IPM/underhood fuse relay box, plug (C2), pin 2
Left Front Door Trigger	violet	-	Driver Door Module, brown 20 pin plug, pin 5
Right Front Door Trigger	violet/white	-	Passenger Door Module, 20 pin plug, pin 5
Left Rear Door Trigger	violet/gray	-	driver kick, harness to rear
Right Rear Door Trigger	violet/yellow	-	driver kick, harness to rear
Dome Light	yellow/orange	-	driver kick, harness to rear
Trunk/Hatch Pin	violet/orange	-	driver kick, harness to rear
Rear Glass Pin	violet/brown or violet/yellow	-	driver kick, harness to rear
Hood Pin	violet/lt. blue	-	hood switch or IPM/underhood fuse relay box, plug (C2), pin 5
Trunk/Hatch Release	lt. green/orange (glass)	-	fuse box, rear plug, pin 34
Trunk Release Motor	orange/gray (glass)	+	driver kick or fuse box, bottom plug, pin 25
Tachometer	NOT dk. green/lt. green	ac	any fuel injector
Fuel Pump	orange/red	+	fuel pump relay in Power Distribution Center on driver fender

<b>Item</b>	<b>Wire Color</b>	<b>Polarity</b>	<b>Wire Location</b>
Rear Defroster	dk. blue	- latched	fuse box, rear plug, pin 20
Left Front Heated Seat	lt. green/brown	5 wire	Heated Seats Module under passenger seat, plug (C1), pin 3
Right Front Heated Seat	lt. green/violet	5 wire	Heated Seats Module under passenger seat, plug (C1), pin 4
Speed Sense	dk. green/brown	ac	PCM on passenger fender, plug towards rear, pin 32
Brake Wire	white/tan	+	brake switch or fuse box, top plug, pin 21
Parking Brake	dk. green/white	-	parking brake switch
Horn Trigger	dk. green/orange	+	horn or IPM/underhood fuse relay box, plug (C2), pin 35
Wipers	brown/white (L), brown/orange (H)	+	wiper motor or IPM/underhood fuse relay box, plug (C2), pins 28 and 27
Left Front Window (Up/Down)	orange/lt. blue - orange/dk. blue	A	Driver Door Module, plug (C1), pins 10 and 9
Right Front Window (Up/Down)	dk. blue/orange - lt. green/orange	A	Passenger Door Module, plug (C1), pins 10 and 9
Left Rear Window (Up/Down)	orange/white - orange/gray	A	driver kick, door harness
Right Rear Window (Up/Down)	orange/lt. blue - orange/dk. blue	A	driver kick, door harness
Memory Seat 1	lt. green/orange	- resistor	memory switch or Driver Door Module, plug (C3), pin 5
Radio 12V	red/orange	+	radio, gray 22 pin plug, pin 1
Radio Ground	black	-	radio, gray 22 pin plug, pin 12
Left Front Speaker (+/-)	gray/violet - gray/yellow	+,-	radio, gray 22 pin plug, pins 21 and 22

<b>Item</b>	<b>Wire Color</b>	<b>Polarity</b>	<b>Wire Location</b>
Right Front Speaker (+/-)	dk. green/violet - dk. green/yellow	+,-	radio, gray 22 pin plug, pins 19 and 20
Left Rear Speaker (+/-)	dk. green/dk. blue - dk. green/violet	+,-	radio, gray 22 pin plug, pins 8 and 9
Right Rear Speaker (+/-)	gray/dk. blue - gray/tan	+,-	radio, gray 22 pin plug, pins 10 and 11
RSE Video (+/-)	gray to gray/orange - lt. blue to gray/lt. green	+,-	DVD player, 16 pin plug, pins 8 and 7
RSE Audio Left (+/-)	gray/brown - gray/dk. blue (common)	+,-	DVD player, 16 pin plug, pins 5 and 14
RSE Audio Right (+/-)	gray/white - gray/dk. blue (common)	+,-	DVD player, 16 pin plug, pins 13 and 14

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## Additional Wiring Notes

Item	Note
Tachometer	On diesel vehicles, use yellow/gray at the camshaft position sensor or the ECM under battery, 96 pin plug, pin 33.
Left Front Speaker (+/-)	If equipped, the amplifier is in the driver side rear quarter panel. On vehicles with amplifier, the door speaker wires are gray/purple - gray/yellow at the amplifier, white 14 pin plug, pins 1 and 7. The dash speaker wires are gray/orange - gray/yellow at the amplifier, white 20 pin plug, pins 1 and 10.
Right Front Speaker (+/-)	If equipped, the amplifier is in the driver side rear quarter panel. On vehicles with amplifier, the door speaker wires are dk. green/purple - dk. green/yellow at the amplifier, white 14 pin plug, pins 2 and 8. The dash speaker wires are gray/dk. green - gray/lt. green at the amplifier, white 20 pin plug, pins 2 and 11.
Left Rear Speaker (+/-)	If equipped, the amplifier is in the driver side rear quarter panel. On vehicles with amplifier, the speaker wires are gray/lt. green - gray/dk. green at the amplifier, white 14 pin plug, pins 3 and 9.
Right Rear Speaker (+/-)	If equipped, the amplifier is in the driver side rear quarter panel. On vehicles with amplifier, the speaker wires are dk. green/lt. green - dk. green/gray at the amplifier, white 14 pin plug, pins 4 and 12.