Fuses and relays Jeep Grand Cherokee (WK2; 2010-2020)

car-box.info/jeep/cherokee/grand-wk2-2010-2020.html

This material discusses in detail the fuse diagrams of the Jeep Grand Cherokee (fourth generation; WK2): 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020 model year.

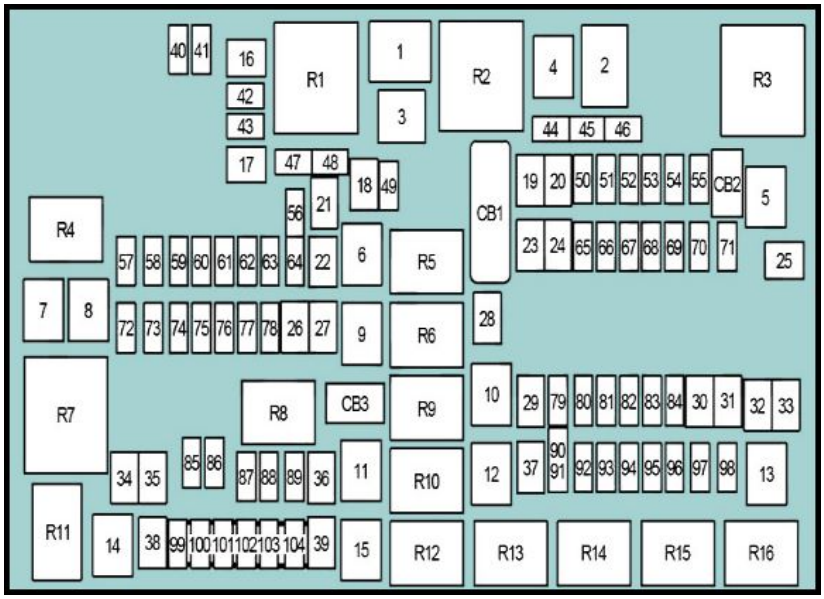
> Fuses #93, #90, #67 (*2014-2020 model year*) or #6, #7, #36 (*2010-2013 model year*) in the engine bay are reresponsible for the cigarette lighter.

In the engine compartment

Located on the passenger's side of the engine bay, behind the plastic cover.

2014-2020 model year

Diagram



No.	Description	Amps
R1	Radiator Fan (Low)	
R2	Radiator Fan (High)	
R3	Air Suspension	
R4	SCR: Selective Catalytic Reduction	
R5	Auto Shut Down (PCM)	
R6	Ignition (Accessory/Run №1)	
R7	Starter	
R8	Ignition (Run/Start)	
R9	Air Pump (№2) / Fuel Heater (№1)	
R10	EBL	
R11	Empty	
R12	Ignition (Run/Only №2)	
R13	Frame Heater	
R14	Ignition (Run/Accessory №2)	

Diagram		
R15	Ignition (Run/Only №1)	
R16	Blower Motor	
CB1	Power Door Lock / Power Window	25 A
CB2	Memory Seat Module / Driver Power Seat	25 A
CB3	Passenger Power Seat	25 A
1	Empty	-
2	Empty	-
3	Radiator Fan	60 A
4	Empty	-
5	Compressor for Air Suspension	40 A
6	Anti-lock Brakes/Electronic Stability Control (Pump)	40 A
7	2016-2020: Starter Solenoid	30 A
	2014-2015: Starter Solenoid	40 A
8	Diesel (2014-2015): Emission sensors	40 A
9	Diesel: Fuel Heater, Brake Vacuum Pump (2016-2020)	30 A
	Gasoline (2016-2020): Brake Vacuum Pump	30 A
10	Body Control Module (BCM) (Exterior Lighting №2)	40 A
11	Trailer Tow Electric Brake	30 A
12	Body Control Module (BCM) (Power Locks)	40 A
13	Blower Motor Front	40 A
14	Body Control Module (BCM) (Exterior Lighting №1)	40 A
15	2018-2020: LTR (Low Temperature Radiator) Engine Cooling Pump	40 A
16	Empty	-
17	Headlamp Washer	30 A
18	Empty	-

Diagram

19	2016-2020: Headrest Solenoid	20 A
20	Passenger Door Module	30 A
21	Empty	-
22	Engine Control Module	20 A
23	Body Control Module (BCM) (Interior Lights №1)	30 A
24	Driver Door Module	30 A
25	Front Wipers	30 A
26	Anti-lock Brakes (ABS) / Stability Control Module (Valves)	30 A
27	Empty	-
28	Trailer Tow Backup Lights	20 A
29	Trailer Tow Parking Lights	20 A
30	Trailer Tow Receptacle, Trailer Tow (Separate E-Brake), Trailer Tow (BUX)	30 A
31	Empty	-
32	Drive Train Control Module	30 A
33	Empty	-
34	Electronic Limited Slip Differential Module	30 A
35	Sunroof, Sunroof Shade Motor	30 A
36	Rear Window Defroster	30 A
37	2015-2020: Rear Blower Motor	25 A
	2014: Rear Blower Motor	30 A
38	Power Inverter 115V AC	30 A
39	Power Liftgate	30 A
40	Daytime Running Lights, Headlamp Leveling	10 A
41	Empty	-
42	Horn	20 A

Diagram		
43	Empty	-
44	Diagnostic Connector (DLC)	10 A
45	2018-2020: Cyber Security Gateway	5 A
46	2014-2017: Tire Pressure Monitor	10 A
47	Empty	-
48	Empty	-
49	Climate Control System / Integrated Central Stack	10 A
50	Air Suspension Module, Electronic Limited Slip Differentials	20 A
51	2015-2020: Radio Frequency Hub Module, Keyless Ignition Node Module, Steering Column Lock	15 A
	2014: Radio Frequency Hub Module, Keyless Ignition Node Module, Steering Column Lock	10 A
52	Intelligent Battery Sensor	5 A
53	Trailer Tow – Left Turn/Stop Lights	20 A
54	Empty	-
55	Empty	-
56	Diesel: Additional Content	15 A
57	2016-2020: NOX Sensor	20 A
	2014: Transmission Control Module	15 A
	2014-2015: Left HID Headlamps	15 A
58	2016-2020: Left HID Headlamps	15 A
59	Diesel: Purging Pump	10 A
60	Transmission Control Module	15 A
61	Diesel (2015-2020): Transmission Control Module, PM Sensor	10 A
62	Air Conditioning Clutch	10 A
63	Petrol: Ignition Coils, Short Runner Valve Actuator	20 A

Diagram

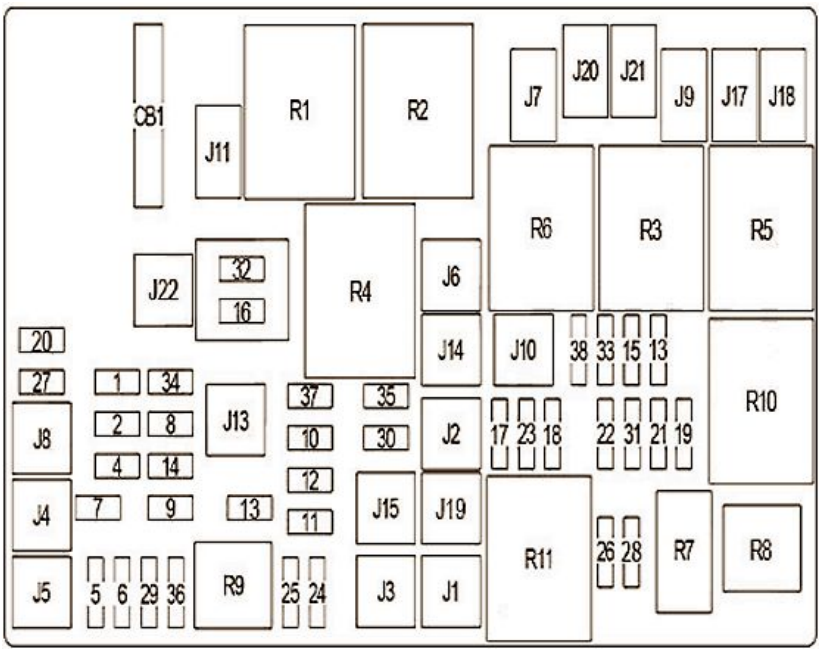
	Diesel: Urea Heater	20 A
64	Fuel Injectors, Powertrain Control Module (PCM)	25 A
65	Empty	-
66	Sunroof, Rain Sensor, Passenger Window Switches, Dedicated Short Range Communications (DSRC), Inside Rearview Mirror, Charging USB Port, DTV	10 A
67	**USB Charging Port,** Left/Right Seatback Video Screen Module, CD/DVD/Bluetooth Hands-free Module, UCI Port	15 A
68	Rear Wiper Motor	20 A
69	2015-2020: Spotlight Feed	15 A
70	**Fuel Pump Fuse**	20 A
71	Audio Amp, ANCM	30 A
72	2016-2020: Powertrain Control Module (PCM)	10 A
73	Right HID Headlamp	15 A
74	2014-2015: Brake Vacuum Pump	20 A
75	2016-2020: Dual Batt Control	10 A
76	Anti-lock Brakes (ABS) /Electronic Stability Control Unit	10 A
77	Electronic Limited Slip Differential Module, Drivetrain Control Module	10 A
78	Electric Power Steering, Engine Control Module	10 A
79	Empty	-
80	Compass, Universal Garage Door Opener, Anti-Intrusion Module	10 A
81	Trailer Tow Right Turn/Stop Lights	20 A
82	Steering Column Control Module, Cruise Control Module, DTV	10 A
83	Fuel Door Switch	10 A
84	Switch Bank, Instrument Cluster	15 A
85	Airbag Module	10 A

Diagram		
86		10 A
87	Trailer Tow Module, Air Suspension Control Module, Steering Column Control Module	10 A
88	Integrated Trailer Brake Module (ITBM), Instrument Panel Cluster, Security Gateway (SGW)	15 A
89	Empty	-
90	**12V Power Outlet (Rear seats)**	20 A
91	Empty	
92	Rear Console Lamp	10 A
93	**Jeep Grand Cherokee Cigarette Lighter Fuse**	20 A
94	Shifter, Transfer Case Module	10 A
95	Rear Camera, Park ASsist Module, License Lamp, Rear Blind Spot Sensors	10 A
96	Rear Seat Heater Switch, Flashlamp Charger	10 A
97	2015-2020: Rear Heated Seats, Heated Steering Wheel	20 A
	2014: Heated Steering Wheel, Rear Heated Seats	25 A
98	2015-2020: Ventilated Seats, Front Heated Seats	20 A
	2014: Ventilated Seats, Front Heated Seats	25 A
99	Climate Control System, Dedicated Short Range Communications (DSRC), Driver Assistance Systems Module, Adaptive Cruise Control, HALF	10 A
100	Active Damping Control Unit	10 A
101	Smart High Beams, In Car Temperature Sensor, Electrochromatic Mirror, Humidity Sensor	15 A

Diagram		
102	Empty	-
103	• Rear HVAC • Cabin Heater (Diesel)	10 A
104	12V Power Outlets (Dashboard, Center Console, Rear Cargo)	20 A

2010-2013 model year

Diagram



No.	Description	Amps
R1	Ignition (Run/Accessory Relay)	
R2	Ignition (Run Relay)	
R3	Starter Relay	
R4	Ignition (Run-Start)	
R5	• Transmission Control Module • Powertrain Control Module	
R6	Trailer Tow Lamps/Park Lamps	
R7	Diesel: Fuel Pump Relay	

Diagram		
R8	Reserve	
R9	EBL: Electrical Back Light	
R10	Automatic Shutdown Relay	
R11	Radiator Fan (Low)	
1	Center High-Mounted Stop Light (CHMSL), Stop Lamp Switch	15 A
2	Air Suspension, Electronic Limit Slip Differential	20 A
3	Daytime Running Light Relay (DRL), Liftgate Unlock	20 A
4	Reserve	-
5	115V AC Power Inverter	25 A
6	**Jeep Grand Cherokee cigarette lighter, 12V Power Outlet #1, Rain Sensor**	20 A
7	**12V Power Outlet #2 (Switchable), cigarette lighter fuse**	20 A
8	Heated Steering Wheel, Front Heated Seat	20 A
9	Rear Seat Heater	20 A
10	Hands-Free Module, Vanity Lamp, Universal Garage Door Opener	20 A
11	Ventilation, Heating & Air Conditioning (Climate Control)	10 A
12	Audio Amplifier, Radio	30 A
13	Main #2 Instrument Cluster, ITM, Siren, Steering Control Module, Wireless Control Module,	20 A
14	Back Up Camera	20 A
15	Adaptive Cruise Control, Power Seat Module, Audio Telematics, Air Suspension Module, Daytime Running Lights Relay, Instrument Cluster	20 A
16	Occupant Restraint Controller	10 A
17	Reserve	-
18	Reserve	-
19	Auto Shut Down (№1 and №2)	25 A

Diagram		
20	Switch Steering Wheel, Instrument Cluster Interior Lighting Feed, Steering Control Module (Temperature/Compass Display), Switch Bank	15 A
21	Auto Shut Down (#3)	20 A
22	Horn Right	10 A
23	Horn Left	10 A
24	Rear Wiper	25 A
25	**Fuel Pump Fuse, Diesel Lift Pump**	20 A
26	Reserve	-
27	Ignition Switch, Keyless Entry Module, Wireless Control Module	10 A
28	Transmission Control Module (TCM), Powertrain Control Module (PCM)	10 A
29	Tire Pressure Monitoring System (TPMS)	10 A
30	Diagnostic Connector (DLC)	15 A
31	Reserve	-
32	Occupant Restraint Controller	10 A
33	Transmission Control Module (TCM), Powertrain Control Module (PCM)	10 A
34	Park Assist, IR Sensor, Climate Control System, Compass Module	10 A
35	Left Rear Parklamps	15 A
36	**12V Power Outlet #3, Cigar Lighter**	20 A
37	Electronic Stability Control Unit, Stop Lamp Switch Sensor, ABS	10 A
38	Door & Liftgate Lock/Unlock Motors	25 A
J1	Air Suspension	40 A
J2	Power Liftgate Module	30 A
J3	Trailer Tow	30 A
J4	Driver Door Node	25 A
J5	Passenger Door Node	25 A

Diagram		
J6	ABS Pump	40 A
J7	ABS Valve	30 A
J8	Power Seats	40 A
J9	E-Brake	30 A
J10	Headlamp Wash Relay	30 A
J11	Drive Train Control Unit	30 A
J13	DVD, Video System 3 Module, Streaming Video Module, Video System 2 Module, Display	60 A
J14	Park Lamps, Trailer Tow Lamps	20 A
J15	Rear Window Defroster	30 A
J17	Starter Solenoid	40 A
J18	Transmission Control Relay, Powertrain Control Module (PCM)	20 A
J19	Radiator Fan	60 A
J20	Front Wiper	30 A
J21	Front and Rear Washer	20 A
J22	Sunroof	25 A
CB1	Power Vent Window / Power Windows	25 A