

2019 Jeep Grand Cherokee - Capacities and Recommended Fluids

3.0L Diesel Engine

Description	Capacities	Type	Part Number	Global Part Number
Engine Oil With Filter	8 Quarts / 7.7 Liters	<p>We recommend you use 5W-40 synthetic engine oil such as Mopar or Shell Rotella that meets FCA Material Standard MS-10902 and the API CJ-4 engine oil category is required.</p> <p>We recommend you use Mopar Engine Oil Filters.</p>	68001332PB	68231021GB
Cooling System *	12 Quarts / 11.4 Liters	We recommend you use MOPAR Antifreeze/Coolant 10 Year/150,000 Mile Formula OAT (Organic Additive Technology).	68163848AB	68163848GB
Fuel Selection	24.6 Gallons / 93 Liters	<p>Use good quality diesel fuel from a reputable supplier in your vehicle. Federal law requires that you must fuel this vehicle with Ultra Low Sulfur Highway Diesel fuel (15 ppm Sulfur maximum) and prohibits the use of Low Sulfur Highway Diesel fuel (500 ppm Sulfur maximum) to avoid damage to the emissions control system. For most year-round service, No. 2 diesel fuel meeting ASTM specification D-975 Grade S15 will provide good performance. We recommend you use a blend of up to 5% biodiesel, meeting ASTM specification D-975 with your diesel engine.</p> <p>This vehicle is compatible with biodiesel blends greater than 5% but no greater than 20% biodiesel meeting ASTM specification D-7467 provided the shortened maintenance intervals are followed as directed.</p> <p>We recommend you use Mopar Fuel Filter. Must meet 3 micron rating. Using a fuel filter that does not meet the manufacturers filtration and water separating requirements can severely impact fuel system life and reliability.</p> <p>NOTE: If the vehicle is exposed to extreme cold (below 20°F or -7°C), or is required to operate at colder-than-normal conditions for prolonged periods, use climatized No. 2 diesel fuel or dilute the No. 2 diesel fuel with 50% No. 1 diesel fuel. This will provide better protection from fuel gelling or wax-plugging of the fuel filters.</p>	—	—

Description	Capacities	Type	Part Number	Global Part Number
Diesel Exhaust Fluid (DEF)	8 Gallons / 30.3 Liters	Mopar Diesel Exhaust Fluid (API Certified) (DEF) or equivalent that has been API Certified to the ISO 22241 standard. Use of fluids not API Certified to ISO 22241 may result in system damage.	68035704AC	—
* Includes heater and coolant reservoir filled to MAX level.				

3.6L Engine

Description	Capacities	Type	Part Number	Global Part Number
Engine Oil With Filter	6 Quarts / 5.6 Liters	We recommend you use API Certified SAE 0W-20 Engine Oil, meeting the requirements of FCA Material Standard MS-6395 such as Mopar, Pennzoil, and Shell Helix. Refer to your engine oil filler cap for correct SAE grade. We recommend you use MOPAR Engine Oil Filters.	68218950AB	68218950GA
Cooling System *	10.4 Quarts / 9.9 Liters	We recommend you use MOPAR Antifreeze/Coolant 10 Year/150,000 Mile Formula OAT (Organic Additive Technology).	68163848AB	68163848GB
Fuel Selection	24.6 Gallons / 93 Liters	87 Octane (R+M)/2 Method, 0-15% Ethanol (Do Not Use E-85).	—	—
Spark Plugs	GAP	We recommend you use MOPAR Spark Plugs.	—	—
	.043 in / 1.10 mm		—	—
* Includes heater and coolant reservoir filled to MAX level.				

5.7L Engine

Description	Capacities	Type	Part Number	Global Part Number
Engine Oil With Filter	7 Quarts / 6.6 Liters	We recommend you use API Certified SAE 5W-20 Engine Oil, meeting the requirements of FCA Material Standard MS-6395 such as MOPAR, Pennzoil, and Shell Helix. Refer to your engine oil filler cap for correct SAE grade. We recommend you use MOPAR Engine Oil Filters.	68218890AB	68218890GB
Cooling System *	15.4 Quarts / 14.6 Liters	We recommend you use MOPAR Antifreeze/Coolant 10 Year/150,000 Mile Formula OAT (Organic Additive Technology).	68163848AB	68163848GB

Description	Capacities	Type	Part Number	Global Part Number
Cooling System – With Trailer Tow Package *	16 Quarts / 15.2 Liters	We recommend you use MOPAR Antifreeze/Coolant 10 Year/150,000 Mile Formula OAT (Organic Additive Technology).	68163848AB	68163848GB
Fuel Selection	24.6 Gallons / 93 Liters	89 Octane Recommended - 87 Octane Acceptable, 0-15% Ethanol (Do Not Use E-85).	—	—
Spark Plugs	GAP	We recommend you use MOPAR Spark Plugs.	—	—
	.031 in / .8 mm		—	—
* Includes heater and coolant reservoir filled to MAX level.				

6.2L Engine

Description	Capacities	Type	Part Number	Global Part Number
Engine Oil With Filter	8.3 Quarts / 7.8 Liters	For best performance and maximum protection under all types of operating conditions, the manufacturer only recommends full synthetic engine oils. The manufacturer recommends the use of Pennzoil Ultra 0W-40 or equivalent MOPAR engine oil meeting the requirements of FCA Material Standard MS- 12633 for use in all operating temperatures. We recommend you use MOPAR Engine Oil Filters.	68171066PB	68171066GA
Cooling System *	14.7 Quarts / 13.9 Liters Intercooler 4.0 Quarts / 3.9 Liters	Engine/Intercooler Coolant We recommend you use MOPAR Antifreeze/Coolant 10 Year/150,000 Mile Formula OAT coolant conforming to MS.90032.	68163848AB	68163848GB
Fuel Selection	24.6 Gallons / 93 Liters	Premium Unleaded 91 Octane (R+M)/2 Method Only or Higher, 0-15% Ethanol (Do Not Use E-85).	—	—
Fuel Selection – Export	24.6 Gallons / 93 Liters	Research Octane Number (RON) of 98 or higher.	—	—
Spark Plugs	GAP	We recommend you use MOPAR Spark Plugs.	—	—
	.043 in / 1.10 mm		—	—
* Includes heater and coolant reservoir filled to MAX level.				

6.4L Engine

Description	Capacities	Type	Part Number	Global Part Number
Engine Oil With Filter	7 Quarts / 6.6 Liters	For best performance and maximum protection under all types of operating conditions, the manufacturer only recommends full synthetic engine oils. The manufacturer recommends the use of Pennzoil Ultra 0W-40 or equivalent MOPAR engine oil meeting the requirements of FCA Material Standard MS-12633 for use in all operating temperatures. We recommend you use MOPAR Engine Oil Filters.	68171066PB	68171066GA
Cooling System *	16 Quarts / 15.5 Liters	We recommend you use MOPAR Antifreeze/Coolant 10 Year/150,000 Mile Formula OAT coolant conforming to MS.90032.	68163848AB	68163848GB
Fuel Selection	24.6 Gallons / 93 Liters	Premium Unleaded 91 Octane (R+M)/2 Method Only or Higher, 0-15% Ethanol (Do Not Use E-85).	—	—
Fuel Selection – Export	24.6 Gallons / 93 Liters	Research Octane Number (RON) of 98 or higher.	—	—
Spark Plugs	GAP	We recommend you use MOPAR Spark Plugs.	—	—
	.043 in / 1.10 mm		—	—

* Includes heater and coolant reservoir filled to MAX level.

A/C Refrigerant System					
A/C Refrigerant	R-134a	1.375 Pounds	623.7 Grams	82300101AC	82300101GB
A/C Refrigerant	R-1234yf	1.25 Pounds	567 Grams	68224028AB	68224028GA

TRANSMISSION

Description	Type	Capacities		Part Number	Global Part Number
		U.S.	Metric		
Automatic					
HP50 – 8 Speed	Use only Mopar® ZF 8&9 Speed ATF™ Automatic Transmission Fluid or equivalent. Failure to use the correct fluid may affect the function or performance of your transmission.	9.5 Quarts	9 Liters	68218925AA	68218925GA
HP70 – 8 Speed	Use only Mopar® ZF 8&9 Speed ATF™ Automatic Transmission Fluid or equivalent. Failure to use the correct fluid may affect the function or performance of your transmission.	8.77 Quarts	8.3 Liters	68218925AA	68218925GA

Description	Type	Capacities		Part Number	Global Part Number
		U.S.	Metric		
HP75 – 8 Speed	Use only Mopar® ZF 8&9 Speed ATF™ Automatic Transmission Fluid or equivalent. Failure to use the correct fluid may affect the function or performance of your transmission.	8.98 Quarts	8.5 Liters	68218925AA	68218925GA
HP95 – 8 Speed	Use only Mopar® ZF 8&9 Speed ATF™ Automatic Transmission Fluid or equivalent. Failure to use the correct fluid may affect the function or performance of your transmission.	9.5 Quarts	9 Liters	68218925AA	68218925GA

♦ Dry fill capacity. Depending on type and size of internal cooler, length and inside diameter of cooler lines, or use of an auxiliary cooler, these figures may vary. Refer to the appropriate service information for the correct procedures.

CAUTION: Nominal refill capacities are shown. A variation may be observed from vehicle to vehicle due to manufacturing tolerance and refill procedure.

TRANSFER CASE

Description	Type	Capacities		Part Number	Global Part Number
		U.S.	Metric		
MP2010	We recommend you use Automatic Transmission Fluid 3353.	1.1 Pints	0.51 Liters	05127382AB	05127382GB
MP3010	MOPAR® ATF+4 Automatic Transmission Fluid	1.4 Quarts	1.35 Liters	68218057AC	68218057GD
MP3015	MOPAR® ATF+4 Automatic Transmission Fluid	1.1 Quarts	1 Liter	68218057AC	68218057GD
MP3023	MOPAR® ATF+4 Automatic Transmission Fluid	2.0 Quarts	1.9 Liters	68218057AC	68218057GD

CAUTION: Nominal refill capacities are shown. A variation may be observed from vehicle to vehicle due to manufacturing tolerance and refill procedure.

CHASSIS

Description	Type	Capacities		Part Number	Global Part Number
		U.S.	Metric		
Axles (Front)					
195FIA FE - Front Axle	We recommend you use MOPAR GL-5 Synthetic Axle Lubricant SAE 75W-85.	0.9 Quarts	0.8 Liters	68232947AA	68232947GA
Axles (Rear)					

Description	Type	Capacities		Part Number	Global Part Number
		U.S.	Metric		
195RIA - Rear Axle (Aluminum)	We recommend you use MOPAR GL-5 Synthetic Axle Lubricant SAE 75W-85.	1.0 Quarts	0.9 Liters	68232947AA	68232947GA
230RIA With Electronic Limited-Slip Differential (ELSD)-Rear Axle (Aluminum)	We recommend you use MOPAR GL-5 Synthetic Axle Lubricant SAE 75W-85 with friction modifier additive.	1.4 Quarts	1.3 Liters	68232947AA	68232947GA
230RIA Without Electronic Limited-Slip Differential (ELSD) - Rear Axle (Aluminum)	We recommend you use MOPAR GL-5 Synthetic Axle Lubricant SAE 75W-85.	1.2 Quarts	1.1 Liters	68232947AA	68232947GA
Chassis Systems					
Brake Master Cylinder	We recommend you use MOPAR DOT 3 Brake Fluid, SAE J1703 should be used. If DOT 3, SAE J1703 brake fluid is not available, then DOT 4 is acceptable.	N/A	N/A	04318080AD	04318080GC
◆ Power Steering Reservoir (Belt Driven Pump)	MOPAR® Power Steering Fluid +4	N/A	N/A	68218064AB	68218064GB
Power Steering Reservoir (Electric Pump)	MOPAR® Hydraulic Fluid meeting the requirements of Material Standard MS-11655	N/A	N/A	68088485AB	68088485GA
◆ If MOPAR® Power Steering Fluid +4 is not available, then MOPAR® ATF +4 Automatic Transmission Fluid, is acceptable.					
<p>CAUTION: There is an Electro-Hydraulic Power Steering (EHPS) pump on some vehicles requiring a different fluid. Do not mix power steering fluid types. Damage may result to the power steering pump and system if any other fluid is used. The mechanical power steering pump systems on this vehicle require the use of Power Steering Fluid +4, which meets material specification MS-9602 or equivalent. The EHPS system uses fluid which meets material specification MS-11655 or equivalent. Do not overfill.</p>					
<p>CAUTION: Nominal refill capacities are shown. A variation may be observed from vehicle to vehicle due to manufacturing tolerance and refill procedure.</p>					