

CANADA

2023 Wagoneer L / Grand Wagoneer L

SPECIFICATIONS

Specifications are based on the latest product information available at the time of publication.

All dimensions are in millimetres (inches) unless otherwise noted.

All dimensions measured at curb weight with standard tires and wheels.

GENERAL INFORMATION

Vehicle Type	Four-door sport-utility vehicle
Assembly Plant	Warren Truck Assembly Plant, Warren, Michigan, USA
EPA Vehicle Class	Multipurpose vehicle
Introduction Date	Second half 2022 as a 2023 model

BODY AND CHASSIS

Layout	Front engine, four-wheel drive
Construction	Steel frame

ENGINE: 3.0-LITRE STANDARD OUTPUT

Availability	Standard — Wagoneer L
Type and Description	In-line six-cylinder (I-6), twin turbocharged, direct injection, gasoline
Displacement, cu. cm (cu. in.)	2,993 (183 cu. in.)
Bore x Stroke, mm (in.)	84 x 90 (3.31 x 3.54)
Valve System	DOHC, dual independent valve timing, hydroformed tubular camshafts, 24 valves with sodium-filled exhaust valves, roller finger followers and hydraulic lash adjusters
Fuel Injection	Gasoline direct injection, centrally located injectors, single high pressure pump providing up to 5,075 psi (350 bar) to a single fuel rail
Construction	Deep-skirt cast-aluminum block with cross-bolted steel main bearing caps, low friction plasma spray-bore coated cylinders, structural die-cast aluminum alloy oil pan, aluminum alloy head with pent-roof combustion chambers, forged and twisted steel crankshaft, forged steel connecting rods and cast aluminum alloy pistons with DLC coated piston pins
Compression Ratio	10.4:1
Power (SAE J2723)	420 hp (313 kW) @ 5,200 rpm
Torque (SAE J2723)	468 lb.-ft. (635 Nm) @ 3,500 rpm
Max. Engine Speed	5,800 rpm (electronically limited)
Fuel Requirement	Unleaded mid-grade, 89 octane (R+M)/2 — recommended

	Unleaded regular, 87 octane (R+M)/2 — acceptable
Oil Capacity	7.1 litres (7.5 quarts) oil change with filter

ENGINE: 3.0-LITRE STANDARD OUTPUT (CONTINUED)

Coolant Capacity, litres (quarts)	High Temperature Circuit: 15.7 (16.6) Low Temperature Circuit: 2.70 (2.85)
Factory Oil Fill	Pennzoil Ultra Platinum 0W-20 GF6+ (API SP)
Emission Controls	Dual close-coupled two-stage three-way catalytic converters, quad heated oxygen sensors, cooled exhaust gas recirculation and internal engine features
EnerGuide (2023) Fuel Consumption Ratings L/100 km (city/hwy/combined)	TBD

Based on 2023 EnerGuide fuel consumption ratings. Government of Canada test methods used. Your actual fuel consumption will vary based on driving habits and other factors. For EnerGuide information, please visit the Government of Canada website: www.vehicles.nrcan.gc.ca

Assembly Plant	Saltillo Engine Plant, Saltillo, Mexico
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ENGINE: 3.0-LITRE HIGH OUTPUT

Availability	Standard — Grand Wagoneer L
Type and Description	In-line, liquid-cooled
Displacement, cu. cm (cu. in.)	2,993 (183)
Bore x Stroke, mm (in.)	84 x 90 (3.31 x 3.54)
Valve System	DOHC, dual independent valve timing, hydroformed tubular camshafts, 24 valves with sodium-filled exhaust valves, roller finger followers and hydraulic lash adjusters
Fuel Injection	Gasoline direct injection, centrally located injectors, dual high-pressure pumps providing up to 5,075 psi (350 bar) to a single fuel rail
Construction	Deep-skirt cast-aluminum block with cross-bolted steel main bearing caps, low friction plasma spray-bore coated cylinders, structural die-cast aluminum alloy oil pan, aluminum alloy head with pent-roof combustion chambers, forged and twisted steel crankshaft, forged steel connecting rods and forged aluminum alloy pistons with DLC coated piston pins
Compression Ratio	9.5:1
Power (SAE J2723)	510 hp (375 kW) @ 5,700 rpm
Torque (SAE J2723)	500 lb.-ft. (678 N•m) @ 3,500 rpm
Max. Engine Speed	6,100 rpm (electronically limited)
Fuel Requirement	Premium 91 octane (R+M)/2 — required
Oil Capacity, litres (quarts)	7.1 (7.5) oil change with filter
Coolant Capacity, litres (quarts)	High Temp. Circuit: 15.7 (16.6) Low Temp. Circuit: 2.70 (2.85)
Factory Oil Fill	Pennzoil Ultra Platinum 0W-40 API SP MS-A0921

Emission Controls	Dual close-coupled two-stage three-way catalytic converters, quad heated oxygen sensors and internal engine features ^(a)
Exhaust Type	Dual exhaust with black dual hidden tail pipes
EnerGuide (2023) Fuel Consumption Ratings L/100 km (city/hwy/combined)	TBD

ENGINE: 3.0-LITRE HIGH OUTPUT (CONTINUED)

Assembly Plant	Saltillo Engine Plant, Saltillo, Mexico
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TRANSMISSION: TORQUEFLITE 8HP75 AUTOMATIC, EIGHT-SPEED OVERDRIVE

Availability	Standard — 3.0-litre Standard Output, High Output
Description	Five clutches and four planetary gear set architecture. 7.03 overall ratio spread. Start/stop and electronic range select capability. Electronically modulated torque converter clutch with torsional turbine damper
Gear Ratios	
1st	4.71
2nd	3.14
3rd	2.11
4th	1.67
5th	1.29
6th	1.00
7th	0.84
8th	0.67
Reverse	3.30

TRANSFER CASE: 1-SPEED

Availability	Optional — 3.0-litre Standard Output
Type	Single-speed
Operating Mode	Full-time active 4x4
Torque Split, Front/Rear	Variable — Auto, Tow, Snow, Mud, Sand, Rock, Sport
Low Range Ratio	None

TRANSFER CASE: 2-SPEED

Availability	Optional — 3.0-litre Standard Output Standard — 3.0-litre High Output
Type	Two-speed electronically shifted
Operating Modes	4x4 Low Active, Neutral, full-time active 4x4

Low Range Ratio	2.64
Torque Split, Front/Rear	Variable — Auto, Tow, Snow, Mud, Sand, Rock, Sport

AXLES

Front	
Differential Type	Open
Availability	Standard on 4x4 models
Ring Gear Diameter	215 (8.5)
Axle Ratios	3.55:1 — Standard with 3.0-litre Standard Output 3.92:1 — Optional with 3.0-litre Standard Output, standard with 3.0-litre High Output
Rear	
Differential Type	Limited Slip or Electronic Limited Slip (ELSD)
Availability	Limited Slip Differential — Standard with 3.0-litre Standard Output Electronic Limited Slip Differential (ELSD) — Optional with 3.0-litre Standard Output, standard with 3.0-litre High Output
Ring Gear Diameter	260 mm (10.2 in.)
Axle Ratios	3.55:1 — Standard with 3.0-litre Standard Output 3.92:1 — Optional with 3.0-litre Standard Output, standard with 3.0-litre High Output

ELECTRICAL SYSTEM

Alternator	240-amp — Standard with 3.0-litre, Standard Output and High Output
Battery	Maintenance-free H7 AGM 700 CCA — Standard with 3.0-litre, Standard Output and High Output with Aux AGM 200 CCA

SUSPENSION

Front	Short- and long-arm independent with hybrid steel composite upper control arm, aluminum lower control arm, aluminum knuckle, coil springs with monotube shocks or Quadra-lift air suspension with semi-active damping, solid or hollow stabilizer bar
Rear	Five-link independent rear suspension, coil springs with monotube load leveling shocks or Quadra-lift air suspension with semi-active damping, solid or hollow stabilizer bar, cast aluminum links (tension, compression, camber, toe), and high strength steel spring link

STEERING

Type	Electric rack-and-pinion steering
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Overall Ratio	16.0:1
Turning Diameter (curb-to-curb), m (ft.)	12.9 (42.2)

STEERING (CONTINUED)

Steering Turns (lock-to-lock)	2.97
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BRAKES

Type	Electronic power brakes (eBooster), anti-lock brake system (ABS)
Availability	Standard
Front	
Rotor size and type	378 x 30 (14.88 x 1.18) vented disc
Caliper size and type	57 (2.24) two-piston pin-slider caliper
Swept area, sq. cm (sq. in.)	651.5 (100.9)
Rear	
Rotor size and type	375 x 22 (14.76 x 0.87) solid disc
Caliper size and type	57 (2.24) single-piston pin-slider caliper with EPB
Swept area, sq. cm (sq. in.)	511.6 (79.2)

DIMENSIONS AND CAPACITIES

Wheelbase	3,303 (130.0)
Track, Front	1,738 (68.4)
Track, Rear	1,734 (68.3)
Overall Length	5,759 (226.7)
Overall Width (width at mirrors)	2,388 (94.0)
Body Width	2,124 (83.6)
Overall Height (at roof rail / at antenna)	2,023 (79.6) / 1,963 (77.3)
Load Floor Height	864 (34.0) — standard suspension 811 (31.9) — air suspension
Sill Step Height	578 (22.8) — standard suspension 535 (21.1) — air suspension
Ground Clearance (with 275/55R20 tire)	210(8.3) — standard suspension 253 (10.0) — air suspension (Pos#2)
Chassis (fuel tank)	245 (9.6) — standard suspension 265 (10.4) — air suspension (Pos#2)
Front Axle	242 (9.5) — standard suspension 293 (11.5) — air suspension (Pos#2)

Rear Axle	227 (8.9) — standard suspension 278 (10.9) — air suspension (Pos#2)
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DIMENSIONS AND CAPACITIES (CONTINUED)

Approach Angle (degrees)	21.5 — standard suspension 25.0 — air suspension (Pos#2)
Ramp Breakover Angle (degrees)	17.8 — standard suspension 20.4 — air suspension (Pos#2)
Departure Angle (degrees)	18.8 — standard suspension 21.3 — air suspension (Pos#2)
Frontal Area, sq. m (sq. ft.)	3.46 (37.2)
Drag Coefficient (Cd)	0.352 — Wagoneer L 0.364 — Grand Wagoneer L
Aero CdA sq. m (sq. ft.)	1.22 (13.1) — Wagoneer L 126 (13.5) — Grand Wagoneer L
Fuel Tank Capacity, litres (gallons)	115.4 (30.5)

ACCOMMODATIONS

Seating Capacity	Wagoneer L Standard — 2/3/3 (including 2nd row bench) Optional — 2/2/3 (including captain's chairs) Grand Wagoneer L Standard — 2/2/3 (including captain's chairs) Optional — 2/3/3 (including 2nd row bench)
SAE Total Interior Passenger Volume, litres (cu. ft.)	5,077 (179.3) Wagoneer L / 4,893 (172.8) Grand Wagoneer L
Front	
Headroom	1,049 (41.3) Wagoneer L / 998 (39.3) Grand Wagoneer L
Legroom	1,040 (40.9)
Shoulder room	1,680 (66.1)
Hip room	1,610 (63.4)
Seat travel	207 (8.1)
EPA front volume index, litres (cu. ft.)	1,832 (64.7) Wagoneer L / 1,744 (61.6) Grand Wagoneer L
Cargo volume behind first-row seats, litres (cu. ft.)	3,706 (130.9) Wagoneer L / 3,196 (112.9) Grand Wagoneer L
2nd Row	

Headroom	1,016 (40.0) Wagoneer L / 975 (38.4) Grand Wagoneer L
Legroom	1,085 (42.7)
Knee clearance	170 (6.7) Wagoneer L / 143 (5.6) Grand Wagoneer L

ACCOMMODATIONS (CONTINUED)

Shoulder room	1,657 (65.2)
Hip room	1,599 (63.0)
EPA 2nd row seat volume index, litres (cu. ft.)	1,826 (64.5) Wagoneer L / 1,752 (61.9) Grand Wagoneer L
Cargo volume behind second-row seats, litres (cu. ft.)	2,415 (85.3) Wagoneer L / 2,514 (88.8) Grand Wagoneer L
3rd Row	
Headroom	992 (39.1) Wagoneer L / 977 (38.5) Grand Wagoneer L
Legroom	930 (36.6)
Knee clearance	47 (1.9)
Shoulder room	1,635 (64.4)
Hip room	1,310 (51.6)
EPA 3rd row seat volume index, litres (cu. ft.)	1,418 (50.1) Wagoneer L / 1,396 (49.3) Grand Wagoneer L
Cargo volume behind third-row seats, litres (cu. ft.)	1,192 (42.1) Wagoneer L / 1,251 (44.2) Grand Wagoneer L
Total passenger plus cargo volume, litres (cu. ft.)	6,269 (221.4) Wagoneer L / 6,144 (217.0) Grand Wagoneer L

WEIGHTS (ESTIMATES)

WHEEL BASE	DRIVE SYSTEM	MODEL	ENGINE	GVWR kg (lbs.)	CURB WEIGHT ^(B) kg (lbs.)	PAYLOAD kg (lbs.) ^(C)	WEIGHT DISTRIBUTION, F/R
130 in.	4WD	Wagoneer L <i>(late availability)</i>	3.0L SO	3,492 (7,700)	2,856 (6,297)	680 (1,500)	52/48
		Wagoneer L Series II	3.0L SO	3,447 (7,600)	2,869 (6,326)	616 (1,360)	52/48
		Wagoneer L Series III	3.0L SO	3,538 (7,800)	2,873 (6,335)	703 (1,550)	52/48
		Grand Wagoneer L	3.0L HO	3,606 (7,950)	3,003 (6,621)	644 (1,420)	51/49
		Grand Wagoneer L Series II	3.0L HO	3,606 (7,950)	3,032 (6,685)	612 (1,350)	51/49

Grand Wagoneer L Series III	3.0L HO	3,606 (7,950)	3,040 (6,704)	603 (1,330)	51/49
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(b) Curb weight includes standard equipment and full quantities of fuel, lubricant and coolant.

(c) Payload is the maximum allowable weight of driver, passengers, cargo, and options, rounded to the nearest 5 kg (10 lbs.).

WHEELS

Availability	Standard on Wagoneer L
Type and Material	Fully Painted Satin Carbon Finish, six spoke
Size	18 x 8
Availability	Standard on Wagoneer L Series II, optional on Wagoneer L
Type and Material	Machined cast aluminum with Black Noise painted pockets, six spoke
Size	20 x 9
Availability	Standard on Wagoneer L Series III
Type and material	Machined cast aluminum with Satin granite crystal pockets, six spoke
Size	20 x 9
Availability	Standard on Grand Wagoneer L
Type and material	Machined cast aluminum with Baltic Grey painted pockets
Size	20 x 9
Availability	Standard on Grand Wagoneer L Series II, optional on Grand Wagoneer L
Type and material	Polished aluminum with Luster Grey painted pockets
Size	22 x 9
Availability	Standard on Grand Wagoneer L Series III
Type and material	Polished aluminum with Lights Out painted pockets
Size	22 x 9
Availability	Optional on Wagoneer L Series II, optional on Wagoneer L Series III
Type and material	Polished aluminum with Black Noise painted pockets
Size	22 x 9
Availability	Optional on Grand Wagoneer L Series II
Type and material	Painted cast aluminum Satin Carbon with chrome inserts
Size	22 x 9
Availability	Optional on Grand Wagoneer L Series III
Type and material	Machined cast aluminum with Black Noise painted pockets and brushed nano steel inserts
Size	22 x 9
Availability	Optional with Off-road Package
Type and material	Machined cast aluminum with Black Noise painted pockets
Size	18 x 8

WHEELS (CONTINUED)

Availability	Standard Carbide
Type and material	Cast aluminum fully painted with Gloss black
Size (in.)	20 x 9
Availability	Optional Carbide
Type and material	Cast aluminum fully painted with Gloss Black
Size (in.)	22 x 9
Availability	Standard Obsidian
Type and material	Fully painted with Gloss Black smooth inserts
Size (in.)	22 x 9

TIRES

Availability	Standard — Wagoneer L
Size and type	275/65R18
Mfr. And model	Bridgestone Dueler H/T All Season
Revs per mile	653
Availability	Standard — Wagoneer L Series II, Wagoneer L Series III
Size and type	275/55R20
Mfr. And model	Nexen Roadian HTX RH5 All Season
Revs per mile	656
Availability	Standard – Grand Wagoneer L; Packaged – HD Trailer Tow, Premium Group I
Size and type	275/55R20
Mfr. And model	Bridgestone Dueler H/L Alenza All Season
Revs per mile	655
Availability	Standard — Grand Wagoneer L Series II, Grand Wagoneer L Series III; Packaged — Premium Group I
Size and type	285/45R22XL
Mfr. and model	Goodyear Eagle Touring All Season/Performance
Revs per mile	639
Availability	Packaged — Advanced All Terrain Group
Size and type	275/65R18
Mfr. and model	Firestone Destination AT2 All Terrain
Revs per mile	651

TIRES (CONTINUED)

Availability	Packaged — Advance All Terrain Group
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Size and type	275/55R20
Mfr. and model	Falken Wildpeak A/T All Terrain
Revs per mile	660
Parking Brake Type	Electric power steering (standard)
Four-wheel Anti-lock Brakes	Standard
Electronic Stability Control	Standard
All-speed Traction Control	Standard
Brake Assist	Standard

TRAILER TOWING

WHEELBASE	DRIVE SYTEM	ENGINE	AXLE RATIO	MAXIMUM TRAILER WEIGHT lbs. (kg)
130 in.	4WD	3.0L SO	3.92	4,468 (9,850)
		3.0L HO	3.92	4,286 (9,450)

#