

# CANADA

2024 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 HURRICANE TWIN TURBO

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)
Bore x Stroke	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 N•m) @ 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

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**ENGINE: 3.0-LITRE HURRICANE TWIN TURBO (CONTINUED)**

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Oil Capacity, litres (quarts)	7.1 (7.5) oil change with filter
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

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Energide (2024) Fuel Consumption Ratings	L/100 km (city/hwy/combined)	14.5/10.4/12.7
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Based on 2024 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](http://www.vehicles.nrcan.gc.ca)

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Assembly Plant	Saltillo Engine Plant, Saltillo, Mexico
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**ENGINE: 3.0-LITRE HURRICANE TWIN TURBO 510**

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Availability	Standard — Grand Wagoneer L
Type and Description	In-line, liquid-cooled
Displacement, cu. cm. (cu. in.)	2,933 (183)
Bore x Stroke	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 <sup>(a)</sup>
Exhaust Type	Dual exhaust with black dual hidden tail pipes

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**ENGINE: 3.0-LITRE HURRICANE TWIN TURBO 510 (CONTINUED)**

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Energide (2024) Fuel Consumption Ratings L/100 km (city/hwy/combined)	16.3/11.8/14.3
Assembly Plant	Saltillo Engine Plant, Saltillo, Mexico

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**TRANSMISSION: TORQUEFLITE 8HP75 AUTOMATIC, EIGHT-SPEED OVERDRIVE**

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Availability	Standard — 3.0-litre Hurricane Twin Turbo, Hurricane Twin Turbo 510
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

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**TRANSFER CASE: 1-SPEED**

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Availability	Optional — 3.0-litre Hurricane Twin Turbo
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

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**TRANSFER CASE: 2-SPEED**

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Availability	Optional — 3.0-litre Hurricane Twin Turbo Standard — 3.0-litre Hurricane Twin Turbo 510
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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 Hurricane Twin Turbo 3.92:1 — Optional with 3.0-litre Hurricane Twin Turbo, standard with 3.0-litre Hurricane Twin Turbo 510

### Rear

Differential Type	Limited Slip or Electronic Limited Slip (ELSD)
Availability	Limited Slip Differential — Standard with 3.0-litre Hurricane Twin Turbo Electronic Limited Slip Differential (ELSD) — Optional with 3.0-litre Hurricane Twin Turbo, standard with 3.0-litre Hurricane Twin Turbo 510
Ring Gear Diameter	260 (10.2)
Axle Ratios	3.55:1 — Standard with 3.0-litre Hurricane Twin Turbo 3.92:1 — Optional with 3.0-litre Hurricane Twin Turbo, standard with 3.0-litre Hurricane Twin Turbo 510

## ELECTRICAL SYSTEM

Alternator	240-amp — Standard with 3.0-litre, Hurricane Twin Turbo and Hurricane Twin Turbo 510
Battery	Maintenance-free H7 AGM 700 CCA — Standard with 3.0-litre, Hurricane Twin Turbo and Hurricane Twin Turbo 510 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, hollow stabilizer bar, cast aluminum links (tension, compression, camber, toe), and high strength steel spring link

## STEERING

Type	Electric rack-and-pinion steering
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	2.24 (57) 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)

#### **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 1.26 (13.5) — Grand Wagoneer L
Fuel Tank Capacity, litres (gallons)	115.4 (30.5)

#### **ACCOMMODATIONS**

Seating Capacity	<b>Wagoneer L</b> Standard — 2/3/3 (including second-row bench) Optional — 2/2/3 (including captain's chairs) <b>Grand Wagoneer L</b> Standard — 2/2/3 (including captain's chairs) Optional — 2/3/3 (including second-row bench)
SAE Total Interior Passenger Volume, litres (cu. ft.)	5,077.2 (179.3) Wagoneer L / 4,893.1 (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.)	1,832.1 (64.7) Wagoneer L / 1,744.3 (61.6) Grand Wagoneer L

Cargo volume behind first-row seats litres (cu. ft.)	3,706.6 (130.9) Wagoneer L / 3,196.9 (112.9) Grand Wagoneer L
<b>Second Row</b>	
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 second-row seat volume index, litres (cu. ft.)	1,826.4 (64.5) Wagoneer L / 1,752.8 (61.9) Grand Wagoneer L
Cargo volume behind second-row seats, litres (cu. ft.)	2,415.4 (85.3) Wagoneer L / 2,514.5 (88.8) Grand Wagoneer L
<b>Third Row</b>	
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 third-row seat volume index, litres (cu. ft.)	1,418.6 (50.1) Wagoneer L / 1,396.0 (49.3) Grand Wagoneer L
Cargo volume behind third-row seats, litres (cu. ft.)	1,192.1 (42.1) Wagoneer L / 1,251.6 (44.2) Grand Wagoneer L
Total passenger plus cargo volume, litres (cu. ft.)	6,269.3 (221.4) Wagoneer L / 6,144.7 (217.0) Grand Wagoneer L

### WEIGHTS (ESTIMATES), KG (LBS.)

WHEEL BASE	DRIVE SYSTEM	MODEL	ENGINE	GVWR	CURB WEIGHT <sup>(B)</sup>	PAYLOAD lbs. (kg) <sup>(C)</sup>	WEIGHT DISTRIBUTION, F/R
4WD							
		Wagoneer L Series II Carbide	3.0L	3,447 (7,600)	2,869 (6,326)	616 (1,360)	52/48
		Wagoneer L Series III	3.0L	3,538 (7,800)	2,873 (6,335)	703 (1,550)	52/48
		Grand Wagoneer L Obsidian	3.0L 510	3,606 (7,950)	3,032 (6,685)	612 (1,350)	51/49

Grand Wagoneer L Series III 3.0L 3,606 (7,950) 3,040 (6,704) 603 (1,330) 51/49  
510

(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 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 Series III
Type and material	Polished aluminum with Lights Out painted pockets
Size	22 x 9
Availability	Optional on Wagoneer L Series III
Type and material	Polished aluminum with Black Noise painted pockets
Size	22 x 9
Availability	Standard on Grand Wagoneer L Obsidian, optional on Grand Wagoneer L Series III
Type and material	Tinted polished cast aluminum with black 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	Standard Wagoneer L Series II Carbide
Type and material	Cast aluminum fully painted with Gloss Black
Size (in.)	20 x 9

## WHEELS (CONTINUED)

Availability	Optional Wagoneer L Series II Carbide
Type and material	Cast aluminum fully painted with Gloss Black
Size (in.)	22 x 9

## TIRES

Availability	Standard — Wagoneer L Series II, Wagoneer L Series III
Size and type	275/55R20
Mfr. and model	Nexen Roadian HTX RH5 All Season

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
Availability	Standard — Grand Wagoneer L Obsidian, Grand Wagoneer L Series III; Packaged — Premium Group I
Size and type	285/45R22XL
Mfr. and model	Pirelli Scorpion Verde All Season
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, KG (LBS.)

WHEELBASE	DRIVE SYTEM	ENGINE	AXLE RATIO	MAXIMUM TRAILER WEIGHT
	4WD	3.0L	3.55	2,558 (5,640)
		3.0L	3.92	4,468 (9,850)
		3.0L 510	3.92	4,286 (9,450)

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