

CANADA

2024 Wagoneer / Grand Wagoneer

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	Fall 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
Type and Description	Inline 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, 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, 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

ENGINE: 3.0-LITRE HURRICANE TWIN TURBO (CONTINUED)

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-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 (2024) Fuel Consumption Ratings L/100 km (city/hwy/combined)	14.5/10.1/12.5

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

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

Availability	Standard — Grand Wagoneer
Type and Description	Inline, liquid-cooled
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, 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, 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 quarts (7.1 litres) 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 tailpipes
Energide (2024) Fuel Consumption Ratings L/100 km (city/hwy/combined)	16.3/11.8/14.3
Assembly Plant	Saltillo Engine Plant, Saltillo, Mexico

TRANSMISSION: TORQUEFLITE 8HP75 AUTOMATIC, EIGHT-SPEED OVERDRIVE

Availability	Standard — all engines
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 Hurricane Twin Turbo
Type	Single-speed
Operating Mode	Full-time active 4x4
Torque Split, Front/Rear	Variable - Auto, Tow, Snow, Mud, Sand, Sport
Low Range Ratio	None

TRANSFER CASE: 2-SPEED

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

AXLES

Front	
Differential type	Open
Availability	Standard on 4x4 models
Ring gear diameter	215 (8.5)

AXLES (CONTINUED)

Axle ratios	3.55:1 — Standard with 3.0-litre Hurricane Twin Turbo 3.92:1 — Optional with 3.0-litre Hurricane Twin Turbo and 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	230-amp — standard 3.0L and 3.0L 510
Battery	Maintenance-free H7 AGM 700 CCA — standard 3.0L and 3.0L 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), high-strength steel spring link

STEERING

Type	Electric rack-and-pinion steering
Overall Ratio	16.7:1
Turning Diameter (curb-to-curb), metres (feet)	12.3 (40.2)
Steering Turns (lock-to-lock)	3.1

BRAKES

Type	Electronic power brakes (eBooster), antilock 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	3,124 (123.0)
Track, Front	1,738 (68.4)
Track, Rear	1,734 (68.3)
Overall Length	5,453 (214.7)
Overall Width (width at mirrors)	2,388 (94.0)
Body Width	2,124 (83.6)
Overall Height (at roof rail / at antenna)	2,025 (79.7) / 1,964 (77.3)
Load Floor Height	864 (34.0) — standard suspension 810 (31.9) — air suspension
Sill Step Height	579 (22.8) — standard suspension 537 (21.1) — air suspension
Ground Clearance (with 275/55R20 tire and 5.7-litre engine)	211 (8.3) — standard suspension 254 (10.0) — air suspension (Pos#2)
Chassis (fuel tank)	246 (9.7) — standard suspension

	277 (10.9) — air suspension (Pos#2)
Front Axle	243 (9.6) — standard suspension
	294 (11.6) — air suspension (Pos#2)
Rear Axle	229 (9.0) — standard suspension
	279 (11.0) — air suspension (Pos#2)
Approach Angle (degrees)	21.5 — standard suspension
	25.0 — air suspension (Pos#2)
	25.0 (Off-road II with air dam on)

DIMENSIONS AND CAPACITIES (CONTINUED)

Ramp Breakover Angle (degrees)	18.5 — standard suspension
	22.0 — air suspension (Pos#2)
Departure Angle (degrees)	21.1 — standard suspension
	24.0 — air suspension (Pos#2)
Frontal Area, sq. m (sq. ft.)	3.46 (37.2 sq. ft.)
Drag Coefficient (Cd)	0.352 — Wagoneer
	0.364 — Grand Wagoneer
Aero CdA, sq. m (sq. ft.)	1.22 (13.1 q. ft.) — Wagoneer
	1.26 (13.5 sq. ft.) — Grand Wagoneer
Fuel Tank Capacity, litres (gallons)	100.3 (26.5)

ACCOMMODATIONS

Seating Capacity	Wagoneer
	Standard — 2/3/3 (including second-row bench)
	Optional — 2/2/3 (including captain's chairs)
	Grand Wagoneer
	Standard — 2/2/3 (including captain's chairs)
	Optional — 2/3/3 (including second-row bench)
SAE Total Interior Passenger Volume, litres (cu. ft.)	5.074.3 (179.2) Wagoneer / 4,893.1 (172.8) Grand Wagoneer
Front	
Headroom	1.049 (41.3) Wagoneer / 998 (39.3) Grand Wagoneer
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 / 1,744.3 (61.6) Grand Wagoneer
Cargo volume behind first-row seats, litres (cu. ft.)	3,304.5 (116.7) Wagoneer / 2,743.9 (96.9) Grand Wagoneer
Second Row	
Headroom	1,016 (40.0) Wagoneer / 975 (38.4) Grand Wagoneer
Legroom	1,085 (42.7)
Knee clearance	170 (6.7) Wagoneer / 143 (5.6) Grand Wagoneer
Shoulder room	1,657 (65.2)

ACCOMMODATIONS (CONTINUED)

Hip room	1,599 (63.0)
EPA second-row seat volume index, litres (cu. ft.)	1,826.4 (64.5) Wagoneer / 1,752.8 (61.9) Grand Wagoneer
Cargo volume behind second-row seats, litres (cu. ft.)	2,004.8 (70.8) Wagoneer / 2,064.2 (72.9) Grand Wagoneer
Third Row	
Headroom	991 (39.0) Wagoneer / 977 (38.5) Grand Wagoneer
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.)	1,415.8 (50.0) Wagoneer / 1,396 (49.3) Grand Wagoneer
Cargo volume behind third-row seats, litres (cu. ft.)	775.8 (27.4) Wagoneer / 804.1 (28.4) Grand Wagoneer
Total passenger plus cargo volume, litres (cu. ft.)	5,850.2 (206.6) Wagoneer / 5,697.3 (201.2) Grand Wagoneer

WEIGHTS (ESTIMATES). KG (LBS.)

WHEEL BASE	DRIVE SYSTEM	MODEL	ENGINE	GVWR LBS.	CURB WEIGHT ^(B)	PAYLOAD ^(C) LBS.	WEIGHT DISTRIBUTION, F/R
4WD							
		Wagoneer Series II Carbide	3.0L	3,356 (7,400)	2,712 (5,981)	684 (1,510)	52/48
		Wagoneer Series III	3.0L	3,401	2,763	675 (1,490)	51/49

		(7,500)	(6,092)		
Grand Wagoneer Obsidian	3.0L 510	3,538 (7,800)	2,908 (6,412)	666 (1,470)	51/49
Grand Wagoneer Series III	3.0L 510	3,538 (7,800)	2,917 (6,431)	662 (1,460)	51/49

(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 Series III
Type and material	Machined cast aluminum with Satin Granite crystal pockets, six spoke
Size (in.)	20 x 9
Availability	Standard on Grand Wagoneer Series III
Type and material	Polished aluminum with Lights Out painted pockets
Size (in.)	22 x 9
Availability	Optional on Wagoneer Series III
Type and material	Polished aluminum with Black Noise painted pockets
Size (in.)	22 x 9
Availability	Optional on Grand Wagoneer Series III
Type and material	Machined cast aluminum with Black Noise painted pockets and brushed nano steel inserts
Size (in.)	22 x 9

WHEELS (CONTINUED)

Availability	Standard Wagoneer Carbide
Type and material	Cast aluminum fully painted with Gloss Black
Size (in.)	20 x 9
Availability	Optional Wagoneer Carbide
Type and material	Cast aluminum Fully painted with Gloss Black
Size (in.)	22 x 9
Availability	Standard Grand Wagoneer Obsidian, optional Grand Wagoneer Series III
Type and material	Fully painted with Gloss Black smooth inserts
Size (in.)	22 x 9

TIRES

Availability	Standard — Wagoneer Series II, Wagoneer Series III
Size and type	275/55R20
Mfr. and model	Nexen Roadian HTX RH5 All Season
Availability	Standard — Grand Wagoneer; Packaged — HD Trailer Tow, Premium Group I
Size and type	275/55R20
Mfr. and model	Bridgestone Dueler H/L Alenza All Season T Rated for NA
Availability	Standard — Grand Wagoneer Series II, Grand Wagoneer Series III; Packaged — Premium Group I
Size and type	285/45R22XL
Mfr. and model	Pirelli Scorpion Verde All Season

TIRES (CONTINUED)

Parking Brake Type	Electric power steering (standard)
Four-wheel Antilock Brakes	Standard
Electronic Stability Control	Standard
All-speed Traction Control	Standard
Brake Assist	Standard

TRAILER TOWING, KG (LBS.)

DRIVE SYSTEM	ENGINE	AXLE RATIO	MAXIMUM TRAILER WEIGHT
4WD	3.0L	3.92	4,535 (10,000)
	3.0L 510	3.92	4,449 (9,810)

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