

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 inches (millimeters) 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
EPA Vehicle Class	Multipurpose vehicle
Introduction Date	Second half 2022 as a 2023 model

BODY AND CHASSIS

Layout	Front engine, rear- or four-wheel drive
Construction	Steel frame

ENGINE: 3.0-LITER HURRICANE TWIN TURBO

Availability	Standard — Wagoneer L
Type and Description	In-line six-cylinder (I-6), Twin Turbocharged, direct injection, gasoline
Displacement, cu. in. (cu. cm)	183 cu. in. (2,993 cu. cm)
Bore x Stroke, in. (mm)	3.31 x 3.54 (84 x 90)
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

ENGINE: 3.0-LITER HURRICANE TWIN TURBO (CONTINUED)

Oil Capacity	7.5 quarts (7.1 liters) oil change with filter
Coolant Capacity qt. (liter)	High Temperature Circuit: 16.6 (15.7) Low Temperature Circuit: 2.85 (2.70)
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
EPA Fuel Economy mpg estimates (city/hwy/combined)	4x2: 17/24/20, 4x4: 16/23/19
Assembly Plant	Saltillo Engine Plant, Saltillo, Mexico

ENGINE: 3.0-LITER HURRICANE TWIN TURBO 510

Availability	Standard — Grand Wagoneer L
Type and Description	In-line, liquid-cooled
Displacement, cu. in. (cu. cm.)	183 (2,993)
Bore x Stroke	3.31 x 3.54 (84 x 90)
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, qt. (liter)	7.5 (7.1) oil change with filter
Coolant Capacity, qt. (liter)	High Temp. Circuit: 16.6 (15.7) Low Temp. Circuit: 2.85 (2.70)
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

ENGINE: 3.0-LITER HURRICANE TWIN TURBO 510 (CONTINUED)

EPA Fuel Economy mpg estimates
(city/hwy/combined)

14/19/16

Assembly Plant

Saltillo Engine Plant, Saltillo, Mexico

(a) Meets Federal Tier 3, Bin 70 emissions requirements; marketed in California as a LEV III ULEV70 (Ultra Low Emission Vehicle).

TRANSMISSION: TORQUEFLITE 8HP75 AUTOMATIC, EIGHT-SPEED OVERDRIVE

Availability	Standard — 3.0-liter 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

TRANSFER CASE: 1-SPEED

Availability	Optional — 3.0-liter 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

TRANSFER CASE: 2-SPEED

Availability	Optional — 3.0-liter Hurricane Twin Turbo Standard — 3.0-liter Hurricane Twin Turbo 510
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	8.5 (215)
Axle Ratios	3.55:1 — Standard with 3.0-liter Hurricane Twin Turbo 3.92:1 — Optional with 3.0-liter Hurricane Twin Turbo, standard with 3.0-liter Hurricane Twin Turbo 510

Rear

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

ELECTRICAL SYSTEM

Alternator	240-amp — Standard with 3.0-liter, Hurricane Twin Turbo and Hurricane Twin Turbo 510
Battery	Maintenance-free H7 AGM 700 CCA — Standard with 3.0-liter, 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) (ft./m)	42.2 / 12.9

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	14.88 x 1.18 (378 x 30) vented disc
Caliper size and type	2.24 (57) two-piston pin-slider caliper
Swept area, (sq. in. / sq. cm)	100.9 (651.5)
Rear	
Rotor size and type	14.76 x 0.87 (375 x 22) solid disc
Caliper size and type	2.24 (57) single-piston pin-slider caliper with EPB
Swept area, (sq. in. / sq. cm)	79.2 (511.6)

DIMENSIONS AND CAPACITIES

Wheelbase	130.0 (3,303)
Track, Front	68.4 (1,738)
Track, Rear	68.3 (1,734)
Overall Length	226.7 (5,759)
Overall Width (width at mirrors)	94.0 (2,388)
Body Width	83.6 (2,124)
Overall Height (at roof rail / at antenna)	79.6 (2,023) / 77.3 (1,963)
Load Floor Height	34.0 (864) — standard suspension 31.9 (811) — air suspension
Sill Step Height	22.8 (578) — standard suspension 21.1 (535) — air suspension
Ground Clearance (with 275/55R20 tire)	8.3 (210) — standard suspension 10.0 (253) — air suspension (Pos#2)
Chassis (fuel tank)	9.6 (245) — standard suspension 10.4 (265) — air suspension (Pos#2)
Front Axle	9.5 (242) — standard suspension 11.5 (293) — air suspension (Pos#2)
Rear Axle	8.9 (227) — standard suspension 10.9 (278) — 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. ft. (sq. m)	37.2 (3.46)
Drag Coefficient (Cd)	0.352 — Wagoneer L
	0.364 — Grand Wagoneer L
Aero CdA sq. ft. (sq. m)	13.1 (1.22) — Wagoneer L
	13.5 (1.26) — Grand Wagoneer L
Fuel Tank Capacity, (gallons / liter)	30.5 (115.4)

ACCOMMODATIONS

Seating Capacity	Wagoneer L
	Standard — 2/3/3 (including second-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 second-row bench)
SAE Total Interior Passenger Volume, (cu. ft. / cu. m)	179.3 (5.1) Wagoneer L / 172.8 (4.9) Grand Wagoneer L
Front	
Headroom	41.3 (1,049) Wagoneer L / 39.3 (998) Grand Wagoneer L
Legroom	40.9 (1,040)
Shoulder room	66.1 (1,680)
Hip room	63.4 (1,610)
Seat travel	8.1 (207)
EPA front volume index (cu. ft. / cu. m)	64.7 (1.8) Wagoneer L / 61.6 (1.7) Grand Wagoneer L
Cargo volume behind first-row seats (cu. ft. / cu. m)	130.9 (3.7) Wagoneer L / 112.9 (3.2) Grand Wagoneer L
Second Row	
Headroom	40.0 (1,016) Wagoneer L / 38.4 (975) Grand Wagoneer L
Legroom	42.7 (1,085)
Knee clearance	6.7 (170) Wagoneer L / 5.6 (143) Grand Wagoneer L

ACCOMMODATIONS (CONTINUED)

Shoulder room	65.2 (1,657)
Hip room	63.0 (1,599)
EPA second-row seat volume index (cu. ft. / cu. m)	64.5 (1.8) Wagoneer L / 61.9 (1.8) Grand Wagoneer L
Cargo volume behind second-row seats (cu. ft. / cu. m)	85.3 (2.4) Wagoneer L / 88.8 (2.5) Grand Wagoneer L
Third Row	
Headroom	39.1 (992) Wagoneer L / 38.5 (977) Grand Wagoneer L
Legroom	36.6 (930)
Knee clearance	1.9 / 47
Shoulder room	64.4 (1,635)
Hip room	51.6 (1,310)
EPA third-row seat volume index (cu. ft. / cu. m)	50.1 (1.4) Wagoneer L / 49.3 (1.4) Grand Wagoneer L
Cargo volume behind third-row seats (cu. ft. / cu. m)	42.1 (1.2) Wagoneer L / 44.2 (1.3) Grand Wagoneer L
Total passenger plus cargo volume (cu. ft. / cu. m)	221.4 (6.3) Wagoneer L / 217.0 (6.1) Grand Wagoneer L

WEIGHTS (ESTIMATES)

WHEEL BASE	DRIVE SYSTEM	MODEL	ENGINE	GVWR lbs. (kg)	CURB WEIGHT ^(b)	PAYLOAD lbs. (kg) ^(c)	WEIGHT DISTRIBUTION, F/R
130 in.	2WD	Wagoneer L	3.0L	7,400	6,069	1,410	51/49
		Wagoneer L Series II	3.0L	7,400	6,068	1,410	51/49
		Wagoneer L Series III	3.0L	7,500	6,107	1,470	51/49
	4WD	Wagoneer L	3.0L	7,700	6,297	1,500	52/48
		Wagoneer L Series II	3.0L	7,600	6,326	1,360	52/48
		Wagoneer L Series III	3.0L	7,800	6,335	1,550	52/48
		Grand Wagoneer L	3.0L 510	7,950	6,621	1,420	51/49
		Grand Wagoneer L Obsidian	3.0L 510	7,950	6,685	1,350	51/49
		Grand Wagoneer L Series III	3.0L 510	7,950	6,704	1,330	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 10 lbs. (5kg).

WHEELS

Availability	Standard on Wagoneer L
Type and Material	Fully Painted Satin Carbon Finish, six spoke
Size	18 x 8
Availability	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 II
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 Gray painted pockets
Size	20 x 9
Availability	Optional on Grand Wagoneer L
Type and material	Polished aluminum with Luster Gray 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	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 Carbide
Type and material	Cast aluminum fully painted with Gloss Black
Size (in.)	20 x 9

WHEELS (CONTINUED)

Availability	Optional Wagoneer L Carbide
Type and material	Cast aluminum fully painted with Gloss Black
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 Obsidian, Grand Wagoneer L Series III; Packaged — Premium Group I
Size and type	285/45R22XL
Mfr. and model	Pirelli Scorpion Verde All Season
Revs per mile	639
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.
130 in.	2WD	3.0L	3.55	5,870
		3.0L	3.92	10,000
	4WD	3.0L	3.55	5,640
		3.0L	3.92	9,850
		3.0L 510	3.92	9,450

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