2024 Wagoneer / Grand Wagoneer
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	Fall 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
Type and Description	Inline six-cylinder (I-6), twin turbocharged, direct injection, gasoline
Displacement	183 cu. in. (2.993 cu. cm)
Bore x Stroke	3.31” x 3.54” (84.0 mm x 90.0 mm)
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-LITER HURRICANE TWIN TURBO (CONTINUED)

Oil Capacity	7.5 quarts (7.1 liters) oil change with filter
Coolant Capacity	High temp. circuit: 16.6 quarts (15.7 liters) low temp. 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 (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
Type and Description	Inline, liquid-cooled
Displacement	183 cu. in. (2,993 cu. cm)
Bore x Stroke	3.31”x 3.54” (84.0 mm x 90.0 mm)
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	7.5 quarts (7.1 liters) oil change with filter
Coolant Capacity	High temp. circuit: 16.6 quarts (15.7 liters) Low temp. circuit: 2.85 quarts (2.70 liters)
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
Exhaust Type	Dual exhaust with black dual hidden tailpipes
EPA Fuel Economy mpg (city/hwy/combined)	4x4: 14/20/17
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-liter 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-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
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	8.5 (215mm)

AXLES (CONTINUED)	
Axle ratios	3.55:1 — Standard with 3.0-liter Hurricane Twin Turbo 3.92:1 — Optional with 3.0-liter Hurricane Twin Turbo and 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	10.2 inches (260mm)
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	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)	40.2 feet (12.3 meters)
Steering Turns (lock-to-lock)	3.1

BRAKES	
Type	Electronic power brakes (eBooster), antilock brake system (ABS)
Availability	Standard

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

DIMENSIONS AND CAPACITIES

Wheelbase	123.0 (3,124)
Track, Front	68.4 (1,738)
Track, Rear	68.3 (1,734)
Overall Length	214.7 (5,453)
Overall Width (width at mirrors)	94.0 (2,388)
Body Width	83.6 (2,124)
Overall Height (at roof rail / at antenna)	79.7 (2,025) / 77.3 (1,964)
Load Floor Height	34.0 (864) — standard suspension 31.9 (810) — air suspension
Sill Step Height	22.8 (579) — standard suspension 21.1 (537) — air suspension
Ground Clearance (with 275/55R20 tire and 5.7-liter engine)	8.3 (211) — standard suspension 10.0 (254) — air suspension (Pos#2)
Chassis (fuel tank)	9.7 (246) — standard suspension 10.9 (277) — air suspension (Pos#2)
Front Axle	9.6 (243) — standard suspension 11.6 (294) — air suspension (Pos#2)
Rear Axle	9.0 (229) — standard suspension 11.0 (279) — 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	37.2 sq. ft. (3.46 sq. m)
Drag Coefficient (Cd)	0.352 — Wagoneer 0.364 — Grand Wagoneer
Aero CdA	13.1 q. ft. (1.22 sq. m) — Wagoneer 13.5 sq. ft. (1.26 sq. m) — Grand Wagoneer
Fuel Tank Capacity	26.5 gallons (100.3 liters)

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, cu. ft. (cu. m)	179.2 (5.1) Wagoneer / 172.8 (4.9) Grand Wagoneer
Front	
Headroom	41.3 (1,049) Wagoneer / 39.3 (998) Grand Wagoneer
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 / 61.6 (1.7) Grand Wagoneer
Cargo volume behind first-row seats cu. ft. (cu. m)	116.7 (3.3) Wagoneer / 96.9 (2.7) Grand Wagoneer
Second Row	
Headroom	40.0 (1,016) Wagoneer / 38.4 (975) Grand Wagoneer
Legroom	42.7 (1,085)
Knee clearance	6.7 (170) Wagoneer / 5.6 (143) Grand Wagoneer
Shoulder room	65.2 (1,657)

ACCOMMODATIONS (CONTINUED)

Hip room	63.0 (1,599)

EPA second-row seat volume index cu. ft. (cu. m)	64.5 (1.8) Wagoneer / 61.9 (1.8) Grand Wagoneer
Cargo volume behind second-row seats cu. ft. (cu. m)	70.8 (2.0) Wagoneer / 72.9 (2.1) Grand Wagoneer
Third Row	
Headroom	39.0 (991) Wagoneer / 38.5 (977) Grand Wagoneer
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)	50.0 (1.4) Wagoneer / 49.3 (1.4) Grand Wagoneer
Cargo volume behind third-row seats cu. ft. (cu. m)	27.4 (0.8) Wagoneer / 28.4 (0.8) Grand Wagoneer
Total passenger plus cargo volume cu. ft. (cu. m)	206.6 (5.9) Wagoneer / 201.2 (5.7) Grand Wagoneer

WEIGHTS (ESTIMATES)

WHEEL BASE	DRIVE SYSTEM	MODEL	ENGINE	GVWR LBS.	CURB WEIGHT[(A)]	PAYLOAD[(B)] LBS.	WEIGHT DISTRIBUTION, F/R
123”	2WD	Wagoneer	3.0L	7,400	5,960	1,510	51/49
		Wagoneer Series II	3.0L	7,300	5,825	1,550	51/49
		Wagoneer Series III	3.0L	7,400	5,864	1,610	50/50
	4WD	Wagoneer	3.0L	7,650	6,190	1,550	52/48
		Wagoneer Series II	3.0L	7,400	5,981	1,510	52/48
		Wagoneer Series III	3.0L	7,500	6,092	1,490	51/49
		Grand Wagoneer	3.0L 510	7,700	6,340	1,450	51/49
		Grand Wagoneer Obsidian	3.0L 510	7,800	6,412	1,470	51/49
		Grand Wagoneer Series III	3.0L 510	7,800	6,431	1,460	51/49

(a) Curb weight includes standard equipment and full quantities of fuel, lubricant and coolant.
(b) Payload is the maximum allowable weight of driver, passengers, cargo, and options, rounded to the nearest 10 lbs. (5kg).

WHEELS

Availability	Standard on Wagoneer
Type and material	Fully painted Satin Carbon finish, six spoke
Size (in.)	18 x 8
Availability	Optional with Wagoneer Advanced All-Terrain Group
Type and material	Machined cast aluminum with Black Noise painted pockets
Size (in.)	18 x 8
Availability	Optional on Wagoneer
Type and material	Machined cast aluminum with Black Noise painted pockets, six spoke
Size (in.)	20 x 9
Availability	Standard on Wagoneer Series II
Type and material	Machined cast aluminum with Black Noise painted pockets, six spoke
Size (in.)	20 x 9
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
Type and material	Machined cast aluminum with Baltic Gray painted pockets
Size (in.)	20 x 9
Availability	Optional on Grand Wagoneer
Type and material	Polished aluminum with Luster Gray painted pockets
Size (in.)	22 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 II, 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
Availability	Optional with Wagoneer Advanced All-Terrain Group
Type and material	Machined cast aluminum with Black Noise painted pockets
Size (in.)	18 x 8

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
Size and type	275/65R18
Mfr. and model	Bridgestone Dueler H/T All Season
Revs per mile	653
Availability	Standard — Wagoneer Series II, Wagoneer Series III
Size and type	275/55R20
Mfr. and model	Nexen Roadian HTX RH5 All Season
Revs per mile	656
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
Revs per mile	655
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
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)

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

DRIVE SYSTEM	ENGINE	AXLE RATIO	MAXIMUM TRAILER WEIGHT LBS.
2WD	3.0L	3.55	6,120
	3.0L	3.92	10,000
4WD	3.0L	3.92	10,000
	3.0L 510	3.92	9,810

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