



2022 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

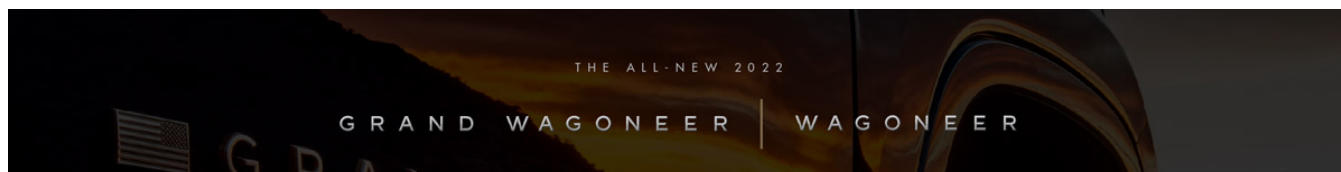
Vehicle Type	Four-door sport-utility vehicle
Assembly Plant	Warren Truck Assembly Plant, Warren, Michigan
EPA Vehicle Class	Multipurpose vehicle
Introduction Date	March 2021 as a 2022 model

BODY AND CHASSIS

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

ENGINE: 5.7-liter HEMI® V-8 WITH ETORQUE HYBRID ASSIST

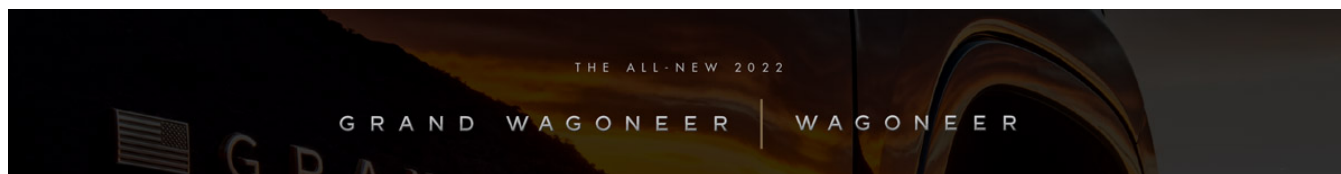
Availability	Standard — Wagoneer
Type and Description	90-degree V-8 with variable cam timing
Hybrid Battery	48-volt, 12-cell lithium-ion, nickel manganese cobalt (NMC) graphite chemistry, 390Wh
Belt-starter Generator	12kW power, 130 lb.-ft. launch torque
Displacement	345 cu. in. (5,654 cu. cm)
Bore x Stroke	3.92 x 3.58 (99.5 x 90.9)
Valve System	Variable-cam timing, pushrod-operated overhead valves, 16 valves, hydraulic lifters with roller followers
Fuel Injection	Sequential, multiport, electronic, returnless



Construction	Deep-skirt cast-iron block with cross-bolted main bearing caps, aluminum-alloy heads with hemispherical combustion chambers
Compression Ratio	10.5:1
Power	392 hp (292 kW) @ 5,600 rpm
Torque	404 lb.-ft. (548 N•m) @ 3,950 rpm
Max. Engine Speed	5,800 rpm
Fuel Requirement	Unleaded mid-grade, 89 octane (R+M)/2 — recommended Unleaded regular, 87 octane (R+M)/2 — acceptable
Oil Capacity	7.0 quarts (6.6 liters)
Coolant Capacity	17.2 liter (15.6 quarts)
Factory Oil Fill	Pennzoil Gold 0W-20
Emission Controls	Three-way catalytic converters, heated oxygen sensors and internal engine features
EPA Fuel Economy mpg (city/hwy)	TBD
Assembly Plant	Saltillo Engine Plant, Saltillo, Mexico

ENGINE: 6.4-LITER V-8

Availability	Standard — Grand Wagoneer
Type and Description	90-degree V-type, liquid-cooled
Displacement, cu. in. (cu. cm.)	392 (6,417)
Bore x Stroke	4.09 x 3.72 (103.9 x 94.6)
Valve System	Pushrod-operated overhead valves, 16 valves with sodium-filled exhaust valves and hollow stem intake valves, 16 conventional hydraulic lifters, all with roller tips
Fuel Injection	Sequential, multi-port, electronic, returnless; features Fuel Saver mode
Construction	Deep-skirt cast-iron block with cross-bolted main bearing caps, aluminum alloy heads with hemispherical combustion chambers
Compression Ratio	10.9:1
Power (SAE J2723)	471 hp (351 kW) @ 6,000 rpm
Torque (SAE J2723)	455 lb.-ft. (617 N•m) @ 4,400 rpm
Max. Engine Speed	6,400 rpm (electronically limited)



Fuel Requirement	Premium 91 octane (R+M)/2 — recommended
Oil Capacity, qt. (liter)	7 (6.6)
Coolant Capacity, qt. (liter)	18.1 liter (16.4 quarts)
Factory Oil Fill	Pennzoil Ultra Platinum 0W-40
Emission Controls	Dual close-coupled three-way catalytic converters, quad-heated oxygen sensors and internal engine features ^(b)
Exhaust Type	Dual exhaust with dual 4-in. oval black chrome tips
EPA Fuel Economy mpg (city/hwy/combined)	TBD
Assembly Plant	Saltillo Engine Plant, Saltillo, Mexico

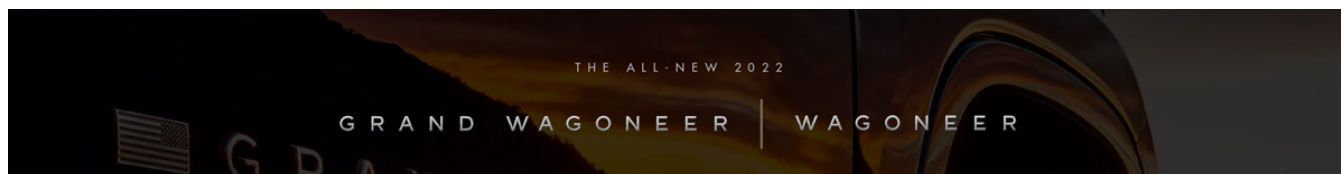
b) Meets Federal Tier 2, Bin 5 emissions requirements; marketed in California as an LEV II (Low Emission Vehicle) under cleanest vehicle rules.

TRANSMISSION: TORQUEFLITE 8HP75 AUTOMATIC, EIGHT-SPEED OVERDRIVE

Availability	Standard — 5.7-liter V-8 with eTorque mild-hybrid assist
Description	5 clutches and 4 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

TRANSMISSION: TORQUEFLITE 8HP75 AUTOMATIC, EIGHT-SPEED OVERDRIVE

Availability	Standard — 6.4-liter V-8 models
Description	5 clutches and 4 planetary gear set architecture. 7.03 overall ratio spread. Electronically modulated torque converter clutch with torsional turbine damper. Electronic range select capability.



Gear Ratios

1st	4.71
2nd	3.14
3rd	2.10
4th	1.67
5th	1.29
6th	1.00
7th	0.84
8th	0.67
Reverse	3.30

TRANSFER CASE: 1-SPEED

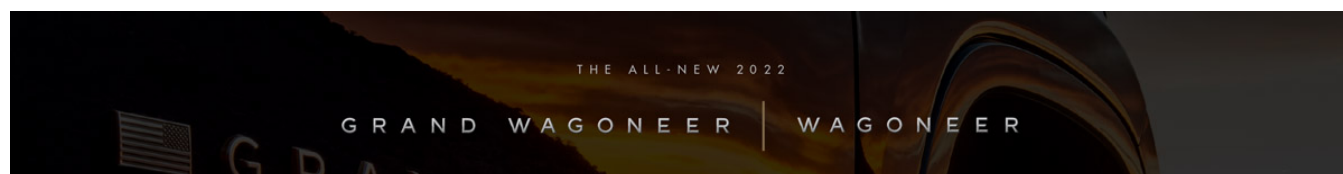
Availability	Optional — 5.7-liter V-8 engine
Type	Single-speed
Operating Mode	Full-time active 4x4
Torque Split, Front/Rear	Variable (60/40) — Auto, Tow, Snow, Mud, Sand, Rock, Sport
Low Range Ratio	None

TRANSFER CASE: 2-SPEED

Availability	Optional — 5.7-liter V-8 engine Optional — 6.4-liter V-8 engine
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 (50/50 or 100 F/R) — 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	3.21:1 — Standard with 5.7-liter V-8 3.92:1 — Optional with 5.7-liter V-8, standard with 6.4-liter V-8
Rear	
Differential Type	Limited Slip or Electronic Limited Slip (ELSD)
Availability	Limited Slip Differential — Standard with 5.7-liter V-8 Electronic Limited Slip Differential (ELSD) — Optional with 5.7-liter V-8, Standard with 6.4-liter V-8
Ring Gear Diameter (in/mm)	10.2 (260)
Axle Ratios	3.21:1 — Standard with 5.7-liter V-8 3.92:1 — Optional with 5.7-liter V-8, standard with 6.4-liter V-8

ELECTRICAL SYSTEM

Alternator	240-amp
Battery	Maintenance-free H7 730 CCA

SUSPENSION

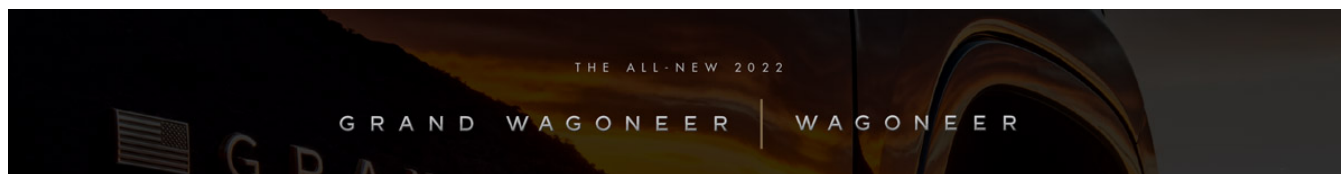
Front	Short- and long-arm independent with hybrid steel composite upper control arm, aluminum lower control arm, aluminum knuckle, coil springs with monotube shocks or Quadra-lift air suspension with semi-active damping, solid or hollow stabilizer bar
Rear	Five-link independent rear suspension, coil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

STEERING

Type	Electric rack-and-pinion steering
Overall Ratio	16.7:1
Turning Diameter (curb-to-curb) (ft./m)	38.0 (11.6)
Steering Turns (lock-to-lock)	3.2

BRAKES

Type	Electronic power brakes (eBooster), anti-lock brake system (ABS)
Availability	Standard



Front

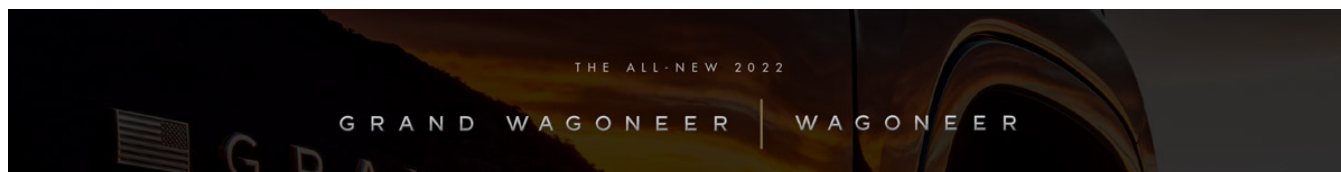
Rotor size and type Inches (mm)	14.88 x 1.18 (378 x 30) vented disc
Caliper size and type Inches (mm)	2.24 (57) two-piston pin-slider caliper
Swept area, (sq. in. / sq. cm)	100.9 (651.5)

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

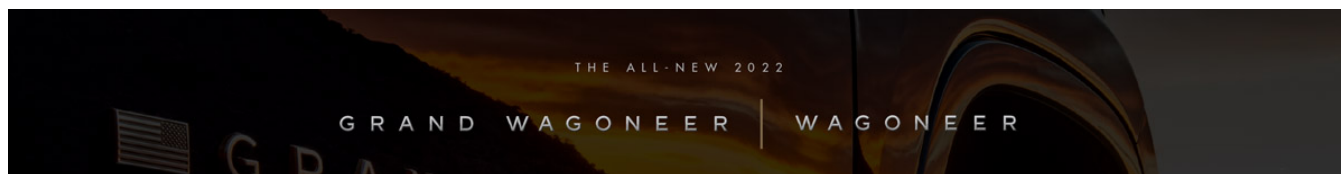
Wheelbase	123.0 (3,124)
Track, Front	68.5 (1,740)
Track, Rear	68.3 (1,734)
Overall Length	214.7 (5,453)
Overall Width (width at mirrors)	94.0 (2,388)
Body Width	83.6 (2,124)
Overall Height (at roof rail / at antenna)	75.6 (1,921) / 77.3 (1,964)
Load Floor Height	34.0 (864) — standard suspension 31.9 (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)
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. ft. (sq. m)	37.2 (3.46)
Drag Coefficient (Cd)	0.352 — Wagoneer
Aero CdA	13.1 (Cd x cross-sectional area) — Wagoneer
Fuel Tank Capacity, (gallons / liter)	26.5 (100.3)

ACCOMMODATIONS

Seating Capacity	Wagoneer Standard — 2/3/3 (including 2 nd 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 2 nd row bench)
SAE Total Interior Passenger Volume, (cu. ft. / cu. m)	179.2 (5.1)
Front	
Headroom	41.3 (1049)
Legroom	40.9 (1040)
Shoulder room	66.1 (1680)
Hip room	63.4 (1611)
Seat travel	8.1 (207)
EPA front volume index (cu. ft. / cu. m)	64.7 (1.8)
Cargo volume behind first-row seats (cu. ft. / cu. m)	116.7 (3.3) Wagoneer / 94.2 (2.7) Grand Wagoneer

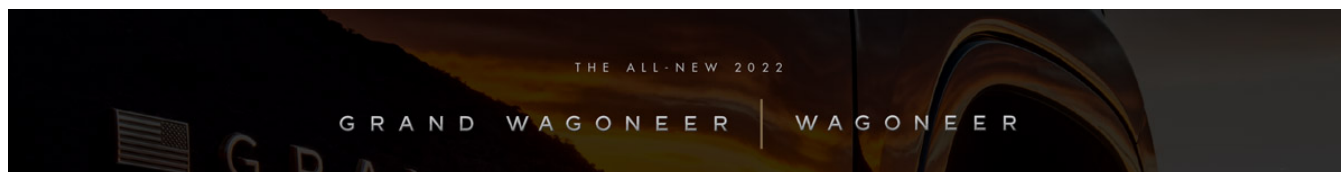


2nd Row

Headroom	40.0 (1016)
Legroom	42.7 (1085)
Knee clearance	6.7 (170) Wagoneer / 5.6 (143) Grand Wagoneer
Shoulder room	65.2 (1657)
Hip room	63.0 (1599)
EPA 2 nd row seat volume index (cu. ft. / cu. m)	64.5 (1.8)
Cargo volume behind second-row seats (cu. ft. / cu. m)	70.8 (2.0) Wagoneer / 70.9 (2.0) Grand Wagoneer

3rd Row

Headroom	39.0 (991)
Legroom	36.6 (930)
Knee clearance	1.9 / 47
Shoulder room	64.4 (1635)
Hip room	51.6 (1310)
EPA 3 rd row seat volume index (cu. ft. / cu. m)	50.0 (1.4)
Cargo volume behind third-row seats (cu. ft. / cu. m)	27.4 (0.8)
Total passenger plus cargo volume (cu. ft. / cu. m)	206.6 / 5.9



WEIGHTS (Estimates)

	MODEL	ENGINE	GVWR ^(a) lbs. (kg)	CURB WEIGHT ^(b) lbs. (kg)	PAYLOAD ^(c) lbs. (kg)	WEIGHT DISTRIBUTION, F/R
2WD	Wagoneer Series II	5.7-liter	7,400 (3357)	5,960 (2703)	1,510 (685)	51/49
	Wagoneer Series III	5.7-liter	7,500 (3402)	6,000 (2722)	1,580 (717)	51/49
4WD	Wagoneer Series II	5.7-liter	7,650 (3470)	6,190 (2808)	1,550 (703)	52/48
	Wagoneer Series III	5.7-liter	7,700 (3493)	6,230 (2826)	1,560 (708)	52/48
	Grand Wagoneer Series I	6.4-liter	7,700 (3943)	6,340 (2876)	1,450 (658)	51/49
	Grand Wagoneer Series II	6.4-liter	7,700 (3493)	6,400 (2903)	1,380 (626)	51/49
	Grand Wagoneer Series III	6.4-liter	7,700 (3493)	6,420 (2912)	1,360 (617)	51/49

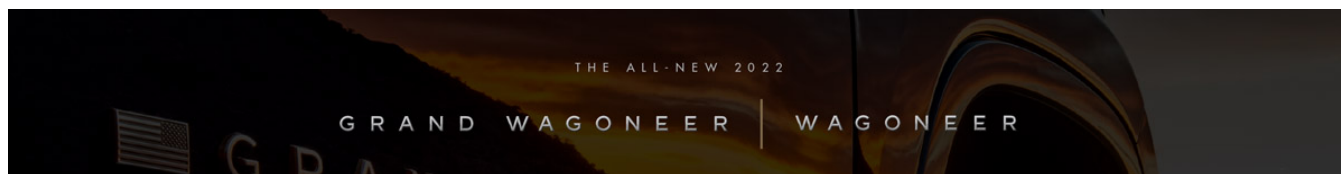
(a) Gross Vehicle Weight Rating.

(b) Curb weight includes standard equipment and full quantities of fuel, lubricant and coolant.

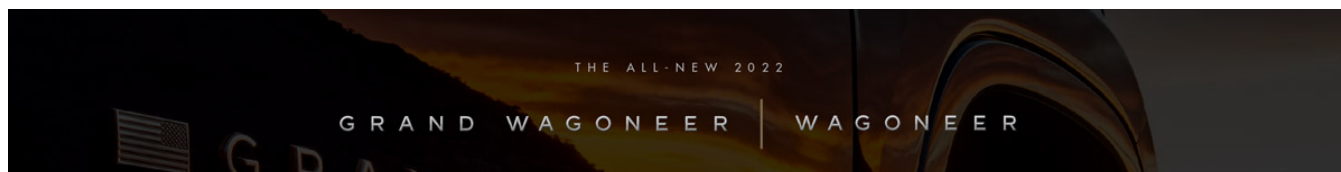
(c) Payload is the maximum allowable weight of driver, passengers, cargo, and options, rounded to the nearest 10 lbs. (5kg).

WHEELS

Availability	Standard on Wagoneer Series II
Type and material	Painted cast aluminum, six spoke
Size (in.)	20 x 9
Availability	Optional on Wagoneer Series III
Type and material	Machined cast aluminum with Black Noise painted pockets
Size (in.)	20 x 9
Availability	Standard on Grand Wagoneer Series I
Type and material	Machined cast aluminum with Baltic Gray painted pockets
Size (in.)	20 x 9



Availability	Standard on Grand Wagoneer Series II, optional on Grand Wagoneer Series I
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 II
Type and material	Painted cast aluminum Satin Carbon with chrome inserts
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 Off-road Package
Type and material	Machined cast aluminum with Black Noise painted pockets
Size (in.)	18 x 8
Availability	Optional with Off-road Package
Type and material	Machined cast aluminum with Satin Granite Crystal painted pockets
Size (in.)	20 x 9
Availability	Standard Onyx
Type and material	Painted cast aluminum with Gloss Black
Size (in.)	22 x 9



Availability	Standard Obsidian
Type and material	Tinted machined cast aluminum with Black Noise painted pockets and Gloss Black inserts
Size (in.)	22 x 9

TIRES

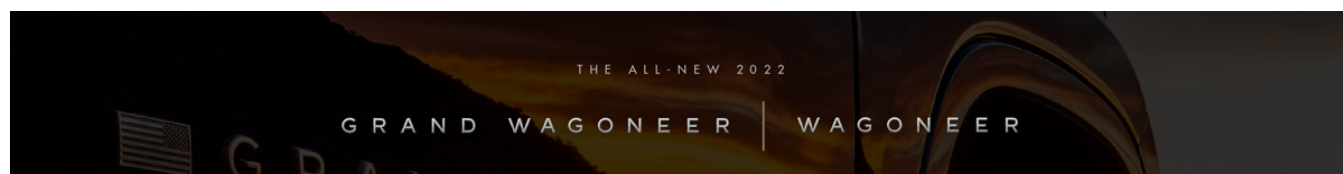
Availability	Standard – Wagoneer Series II, Wagoneer Series III
Size and type	275/55R20
Mfr. And model	Nexen Roadian HTX RH5 All Season
Revs per mile	656

Availability	Standard – Grand Wagoneer Series I; 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	Goodyear Eagle Touring All Season/Perf
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

Availability	Packaged – Advance All Terrain Group
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

	Engine	Axle Ratio	Maximum Trailer Weight lbs. (kg)
2WD	5.7-liter V-8	3.21	10,000 lbs. (4536kg)
4WD	5.7-liter V-8	3.21	10,000 lbs. (4536kg)
4WD	6.4-liter V-8	3.92	9,850 lbs. (4472 kg)

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