

SPECIFICATIONS

All dimensions are in inches (millimeters) unless otherwise noted. The information shown is preliminary and based on data available at the time of publication.

GENERAL INFORMATION

Body Style	Four-door sport-utility vehicle
Assembly Plant	Toledo, Ohio
EPA Vehicle Class	Multipurpose vehicle

LIBERTY 2WD JOB RATINGS

2.4-LITER ENGINE

Transmission	NSG370, Six-speed manual
Axle Ratio (lbs.)	4.1
GVWR (lbs.)	4,950
GCWR (lbs.)	6,750
GAWR Front/Rear (lbs.)	2,750/2,950
Curb Weight, est.(a) (lbs.)	3,655
Max. Tongue Weight(b) (lbs.)	300
Max. Trailer Weight(b) (lbs.)	2,000
Max. Payload(c) (lbs.)	1,150
Max. Cargo(d) (lbs.)	400

3.7-LITER ENGINE

Transmission	NSG370, Six-speed manual
Axle Ratio (lbs.)	3.55
GVWR (lbs.)	5,350
GCWR (lbs.)	8,500
GAWR Front/Rear (lbs.)	2,750/3,150
Curb Weight, est.(a) (lbs.)	3,821
Max. Tongue Weight(b) (lbs.)	425
Max. Trailer Weight(b) (lbs.)	3,500
Max. Payload(c) (lbs.)	1,150
Max. Cargo(d) (lbs.)	400

3.7-LITER ENGINE

Transmission	42RLE, Four-speed auto
Axle Ratio (lbs.)	3.73
GVWR (lbs.)	5,350
GCWR (lbs.)	7,150/9,850(b)
GAWR Front/Rear (lbs.)	2,750/3,150
Curb Weight, est.(a) (lbs.)	3,825
Max. Tongue Weight(b) (lbs.)	750
Max. Trailer Weight(b) (lbs.)	5,000
Max. Payload(c) (lbs.)	1,150
Max. Cargo(d) (lbs.)	400

(a) Curb weight is for a base model with standard equipment.

(b) With Trailer Tow Group.

(c) Payload is the maximum allowable weight of driver, passenger and cargo rounded to the nearest ten pounds. It is reduced by the weight of optional equipment. Five passengers at 150 lbs. each.

(d) Cargo is determined by subtracting the weight of driver and passengers from payload.

LIBERTY 4WD JOB RATINGS

2.4-LITER ENGINE

Transmission	NSG370, Six-speed manual
Axle Ratio (lbs.)	4.1
GVWR (lbs.)	5,200
GCWR (lbs.)	7,000
GAWR Front/Rear (lbs.)	2,750/2,950
Curb Weight, est.(a) (lbs.)	3,851
Max. Tongue Weight(b) (lbs.)	300
Max. Trailer Weight(b) (lbs.)	2,000
Max. Payload(c) (lbs.)	1,150
Max. Cargo(d) (lbs.)	400

3.7-LITER ENGINE

Transmission	NSG370, Six-speed manual
Axle Ratio (lbs.)	3.55
GVWR (lbs.)	5,600
GCWR (lbs.)	8,750
GAWR Front/Rear (lbs.)	2,750/3,150
Curb Weight, est.(a) (lbs.)	4,011
Max. Tongue Weight(b) (lbs.)	425
Max. Trailer Weight(b) (lbs.)	3,500
Max. Payload(c) (lbs.)	1,150
Max. Cargo(d) (lbs.)	400

3.7-LITER ENGINE

Transmission	42RLE, Four-speed auto
Axle Ratio (lbs.)	3.73
GVWR (lbs.)	5,600
GCWR (lbs.)	7,400/10,100(b)
GAWR Front/Rear (lbs.)	2,750/3,150
Curb Weight, est.(a) (lbs.)	4,033
Max. Tongue Weight(b) (lbs.)	750
Max. Trailer Weight(b) (lbs.)	5,000
Max. Payload(c) (lbs.)	1,150
Max. Cargo(d) (lbs.)	400

2.8-LITER TURBO DIESEL ENGINE

Transmission	545RFE, Five-speed auto
Axle Ratio (lbs.)	3.73
GVWR (lbs.)	5,650
GCWR (lbs.)	10,150
GAWR Front/Rear (lbs.)	2,750/3,150
Curb Weight, est.(a) (lbs.)	4,296
Max. Tongue Weight(b) (lbs.)	750
Max. Trailer Weight(b) (lbs.)	5,000
Max. Payload(c) (lbs.)	1,150
Max. Cargo(d) (lbs.)	400

(a) Curb weight is for a base model with standard equipment.

(b) With Trailer Tow Group.

(c) Payload is the maximum allowable weight of driver, passenger and cargo rounded to the nearest ten pounds. It is reduced by the weight of optional equipment. Five passengers at 150 lbs. each.

(d) Cargo is determined by subtracting the weight of driver and passengers from payload.

ENGINE: 2.4-LITER, DOHC, 16-VALVE POWER TECH™ I-4

Availability	Standard—Sport
Type and Description	Four-cylinder, in-line, liquid-cooled
Displacement	148.2 cu. in. (2429 cu. cm)
Bore x Stroke	3.44 x 3.98 (88 x 101)
Valve System	Belt drive, DOHC, 16 valves, stamped-steel followers, hydraulic lash adjustment
Fuel Injection	Sequential, multi-port electronic
Construction	Cast-iron block, cast-iron bedplate, aluminum head, balance shafts
Compression Ratio	9.5:1
Power (SAE net)	150 hp (112 kW) @ 5600 rpm
Torque (SAE net)	165 lb.-ft. (224 N•m) @ 4000 rpm
Max. Engine Speed	6240 rpm, electronically limited
Fuel Requirement	Regular unleaded, 87 octane (R+M)/2
Oil Capacity	5 qt. (5.3-Liter)
Coolant Capacity	10.1 qt. (9.6-Liter)
Emission Controls	Catalytic converters, oxygen sensors, on-board vapor recovery system, leak detection pump system(a)
Max. Gross Trailer Weight (lbs.)	2,000 lbs. (900 kg)
Estimated EPA Fuel Economy mpg (City/Hwy)	21/26

ENGINE: 3.7-LITER, SOHC, 12-VALVE SMPI POWER TECH V-6

Availability	Standard—Renegade and Limited Edition, Optional—Sport
Type and Description	Six-cylinder, 90° V, liquid-cooled
Displacement	225 cu. in. (3701 cu. cm)
Bore x Stroke	3.66 x 3.57 (93 x 91)
Valve System	Chain drive, SOHC, 12 valves, roller followers with hydraulic lash adjustment
Fuel Injection	Multi-point fuel injection with returnless fuel rail
Construction	Cast-iron block, compacted graphite bedplate, aluminum cylinder head
Compression Ratio	9.1:1
Power (SAE net)	210 hp (157 kW) @ 5200 rpm
Torque (SAE net)	235 lb.-ft. (319 N•m) @ 4000 rpm
Max. Engine Speed	6000 rpm, electronically limited
Fuel Requirement	Regular unleaded, 87 octane (R+M)/2
Oil Capacity	5 qt. (4.7L)
Coolant Capacity	14 qt. (13L)
Emission Controls	Catalytic converters, oxygen sensors, on-board vapor recovery system, leak detection pump system(b)
Max. Gross Trailer Weight (lbs.)	
Automatic with trailer tow package	5,000 lbs. (2250 kg)

(a) Meets LEV light-duty truck emissions standards in all 50 states.

(b) Meets Federal Interim Tier 2 B in 9A standards and is a California ULEV I under California Cleanest Vehicle Rules in CA, NY, MA, ME and VT.

Manual transmission
Estimated EPA Fuel Economy mpg (City/Hwy)

3,500 lbs. (1600 kg)
Automatic 17/22, Manual 18/22

ENGINE: 2.8-LITER, TURBO DIESEL 16 VALVE DOHC, DI-CR

Availability	Optional—Limited Edition and Sport
Type and Description	Four-cylinder, inline, liquid-cooled
Displacement	171 cu. in. (2768 cu. cm)
Bore x Stroke	3.70 x 3.94 (94 x 100)
Valve System	Belt drive, DOHC, 16 valve
Fuel Injection	Direct injection, common rail 23,000 PSI (1600 bar)
Construction	Cast-iron block, aluminum cylinder head
Compression Ratio	17.5:1
Power (SAE net)	160 hp (120 kW) @ 3800 rpm
Torque (SAE net)	295 lb.-ft. (400 N•m) @ 1800 rpm
Max. Engine Speed	4300 rpm, electronically governed
Fuel Requirement	#2-diesel
Oil Capacity	6.3 qt. (6.0L)
Coolant Capacity	13.2 qt. (12.5L)
Emission Controls	EGR, catalytic converters
Max. Gross Trailer Weight (lbs.)	Automatic with trailer tow package 5,000 lbs. (2250 kg)
Estimated EPA Fuel Economy mpg (City/Hwy)	Automatic 22/27

TRANSMISSION: NSG370—MANUAL, SIX-SPEED

Availability	2.4L I-4/3.7L V-6
Description	Six-speed, overdrive, synchronized in all forward gears and reverse, single-rail shift system with top-mounted shift lever
Clutch	Hydraulic actuation, dual mass flywheel system
Gear Ratios	
1st	4.46
2nd	2.61
3rd	1.72
4th	1.25
5th	1
6th	0.84
Reverse	4.06

TRANSMISSION: 545RFE—A5 AUTOMATIC

Availability	2.8-liter (Diesel only)
Description	Five-speed, overdrive, automatic
Gear Ratios	
1st	3.00
2nd up shift	1.67
2nd down shift	1.50
3rd	1
4th	0.75
5 th	0.67
Reverse	2.21

TRANSMISSION: 42RLE—AUTOMATIC, FOUR-SPEED OVERDRIVE

Availability	3.7-liter V-6
Description	Two planetary gear sets, full electronic control, overdrive lockout, electronically modulated converter clutch
Gear Ratios	
1st	2.84
2nd	1.57
3rd	1
4th	0.69
Reverse	2.21

TRANSFER CASE: NV241 OR NV231 COMMAND-TRAC®

Type	Part-time
Operating Modes	2WD; 4WD High, part-time; Neutral; 4WD Low, part-time
Low Range Ratio	2.72:1
Center Differential Type	None

TRANSFER CASE: NV242 SELEC-TRAC®

Type	Full-time
Operating Modes	2WD; 4WD High, part-time; 4WD full-time; Neutral; 4WD Low
Low Range Ratio	2.72
Center Differential Type	Dual sun differential with high-range and low-range lock capability

AXLE RATIOS

2.4-liter I-4	4.1
3.7-liter V-6 Auto	3.73
3.7-liter V-6 Manual	3.55
2.8-liter Turbo Diesel Auto	3.73

ELECTRICAL SYSTEM

Alternator	136-amp, Sport and Limited Edition, 160-amp Renegade
Battery	600-amp

DIMENSIONS AND CAPACITIES(a)

Wheelbase	2WD—104.3 (2649) 4WD—104.3 (2649)
Track, Front	2WD—60.0 (1524) 4WD—60.0 (1524)
Track, Rear	2WD—59.7 (1516) 4WD—59.7 (1516)
Overall Length (to spare tire)	2WD—174.4 (4430) 4WD—174.4 (4430)

(a) All dimensions measured with two passengers.

Overall Width	2WD—71.6 (1819) 4WD—71.6 (1819)
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Overall Height	2WD—70.3 (1784.7) 4WD—70.2 (1784.1)
Overall Height (to roof rack)	2WD—71.9 (1822.9) 4WD—71.1 (1822.2)
Ground Clearance	
Front axle (to skid plate)	2WD—N/A 4WD—6.4 (162.8)
Rear axle	2WD—8.0 (201) 4WD—7.9 (200.4)
Running	2WD—9.5 (240.6) 4WD—9.4 (239.3)
Approach Angle	2WD—36.2 4WD—36
Departure Angle	2WD—31.5 4WD—31.5
Curb Weight	
2.4-liter with Manual	2WD—3648 (1655) 4WD—3851 (1747)
3.7-liter with Manual	2WD—3846 (1745) 4WD—4011 (1819)
3.7-liter with Automatic	2WD—3898 (1768) 4WD—4033 (1829)
2.8-liter Turbo Diesel Automatic	2WD—N/A 4WD—4306 (1953)
Payload—includes occupants and cargo(a)	1150 (522)
Weight Distribution, F/R(a)	53/47
Frontal Area	29.74 sq. ft. (2.76 sq. m)
Drag Coefficient	0.421
Fuel Tank Capacity	20.5 gal. (74L)
Cargo Volume	
Rear Seat Up	29.0 cu. ft. (.821 cu. m)
Rear Seat Folded Down	69.0 cu. ft. (1.95 cu. m)
ACCOMMODATIONS	
Seating Capacity—F/R	2/3
Front	
Head room	40.7 (1034)
Leg room	40.8 (1036)
Shoulder room	56.5 (1435)
Hip room	57.0 (1448)
Seat travel	8.5 (216) horizontal, 1.5 (38) vertical with optional power height adjuster
Recliner range (degrees)	53
SAE volume	54.4 cu. ft. (1.54 cu. m)

(a) 3.7-liter with automatic transmission

Rear	
Head room	42.1 (1069)
Leg room	37.2 (945)
Knee clearance	1.4 (36)

Shoulder room	56.5 (1435)
Hip room	47.4 (1204)
SAE volume	49.3 cu. ft. (1.4 cu. m)
Load capacity	400 lbs. (181 kg)

BODY AND CHASSIS

Layout	Longitudinal front engine, rear-wheel drive or four-wheel drive, part-time or full-time
Construction	Uniframe®

SUSPENSION

Front	Upper and lower A-arms, coil springs, gas-charged shock absorbers, stabilizer bar
Rear	Live axle, trailing upper A-arm, dual trailing lower arms, coil springs, gas-charged shock absorbers and stabilizer bar

STEERING

Type	Power rack-and-pinion
Overall Ratio	18.2:1
Turning Diameter (curb-to-curb)	35.9 ft. (12 m)
Steering Turns (lock-to-lock)	3.6

TIRES(a)

Standard—Sport and Renegade	
Size and type	P225/75R16 all-season
Mfr. and model	Goodyear Wrangler ST
Revs per mile	715
Optional—Sport and Renegade	
Size and type	P235/70R16 all-terrain
Mfr. and model	Goodyear Wrangler SR-A
Revs per mile	721
Standard—Limited	
Size and type	P235/65R17 all-season
Mfr. and model	Goodyear Wrangler HP
Revs per mile	723

WHEELS(b)

Standard—Sport	
Type and material	Stamped-steel
Size	16 x 7
Standard—Renegade	
Type and material	Cast-aluminum
Size	16 x 7

(a) Also see “Tires” under Feature Availability.
(b) Also see “Wheels” under Feature Availability.

Standard—Limited	
Type and material	Cast-aluminum
Size	17 x 7.5

BRAKES

Standard—All

Front

Size and type

11.3 x 1.1 (288 x 28) vented disc
with 2.6 (66) single-piston caliper
228 sq. in. (1471 sq. cm)

Swept area

Rear

Size and type

11.2 x 0.47 (284 x 12) solid disc
with 1.89 (48) single-piston caliper
109 sq. in. (703 sq. cm)

Swept area

Power-Assist Type

Tandem diaphragm, vacuum assist

ABS (optional) Type

Three-Channel ABS: Features Electronically
Variable Brake Proportioning, 4 Low Mode
Calibration