

WRANGLER SPECIFICATIONS

All dimensions are in inches (millimeters) unless otherwise noted.

GENERAL INFORMATION

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

WRANGLER 4WD JOB RATINGS

Engine	Transmission	Axle Ratio	GVWR (lbs.)	GCWR (lbs.)	GAWR Front/Rear (lbs.)	Base Curb Weight, est.(a) (lbs.)	Max Tongue Weight (lbs.)	Max. Trailer Weight (lbs.)
2.4L	Six-speed manual	3.73	4450	6250	2200/2650	3200	100	1000
4.0L	Six-speed manual	3.07	4450	6250	2200/2650	3438	200	2000
		3.73	4450	6250	2200/2650	3539	200	2000
		4.11	4600	6350	2200/2700	3832	200	2000
	Four-speed automatic	3.73(b)	4450	5350	2200/2650	3337	100	1000
		3.73 (c)	4450	6250	2200/2650	3463	200	2000
		4.11	4600	6350	2200/2700	3857	200	2000

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

Availability _____ Std.—SE
 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) _____ 147 hp (110 kW) @ 5200 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. (5.3L)
 Coolant Capacity _____ 10.1 qt. (9.6L)
 Emission Controls _____ Catalytic converters, oxygen sensors, on-board vapor recovery system, leak detection pump system(d)
 Max. Gross Trailer Weight (lbs.) _____ 1,000 lbs. (454 kg)
 Estimated EPA Fuel economy mpg (City/Hwy) _____ 18/20—manual

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

(b) SE model.

(c) X model.

(d) Meets LEV II emission requirements in California, New York, Massachusetts, Maine, and Vermont Meets Tier 2, Bin 5 emission requirements in other states

continued

WRANGLER SPECIFICATIONS

ENGINE: 4.0-LITER, OHV, 12-VALVE SMPI POWER TECH I-6

Availability	Std.—X, Sport and Rubicon
Type and Description	In-line, liquid-cooled
Displacement	242 cu. in. (3956 cu. cm)
Bore x Stroke	3.88 x 3.41 (98.4 x 86.7)
Valve System	OHV, 12 valves, flat followers, hydraulic lifters
Fuel Injection	Sequential, multi-port, electronic
Construction	Cast-iron block and head
Compression Ratio	8.8:1
Power (SAE net)	190 bhp (142 kW) @ 4600 rpm (47.5 bhp/L)
Torque (SAE net)	235 lb.-ft. (319 N•m) @ 3200 rpm
Max. Engine Speed	5300 rpm
Fuel Requirement	Unleaded regular, 87 octane (R+M)/2
Oil Capacity	6.0 qt. (5.7L)
Coolant Capacity	10.5 qt. (9.9L)
Emission Controls	Three-way catalytic converters, heated oxygen sensors, internal engine features(a)
Max. Gross Trailer Weight (lbs.)	2,000 lbs. (907 kg)
Estimated EPA Fuel Economy mpg (City/Hwy)	16/20—manual, 16/20—automatic

TRANSMISSION: NSG 370—MANUAL, SIX-SPEED

Availability	Std.—All models
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	4.459
2nd	2.614
3rd	1.723
4th	1
5th	0.838
Reverse	4.06
Axle Ratio	3.73—2.4L and 4.0L, 4.11—Rubicon
Overall Top Gear	2.98—2.4L and 4.0L; 3.29—Rubicon

(a) Meets Federal Tier 2, Bin 9A emission requirements in all 50 states.

continued

WRANGLER SPECIFICATIONS

TRANSMISSION: 42RLE—AUTOMATIC, FOUR-SPEED OVERDRIVE

Availability	_____	Opt.—All models
Description	_____	Electronic governor, electronically controlled converter clutch
Gear Ratios		
1st	_____	2.84
2nd	_____	1.57
3rd	_____	1
4th	_____	0.69
Reverse	_____	2.21
Axle Ratio	_____	3.73—2.4L and 4.0L; 3.06—Std. X and Sport; 4.11—Rubicon
Overall Top Gear	_____	2.57—2.4L and 4.0L; 2.11—Std. X and Sport; 2.84—Rubicon

TRANSFER CASE: NV231 COMMAND-TRAC®

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

TRANSFER CASE: NV241 ROCK-TRAC™

Type	_____	Part-time, heavy-duty
Operating Modes	_____	2WD High; 4WD High; Neutral; 4WD Low
Low Range Ratio	_____	4.0:1
Center Differential Type	_____	None
Electrical System		
Alternator	_____	136-amp with 2.4L engine; 117-amp with 4.0L engine
Battery	_____	Group 34, 600 CCA

DIMENSIONS AND CAPACITIES(a)

Wheelbase	_____	93.4 (2373)
Track, Front		
15 x 7 wheel	_____	57.8
15 x 8 wheel	_____	58.5
16 x 8 wheel	_____	59.5
Track, Rear		
15 x 7 wheel	_____	58.3
15 x 8 wheel	_____	58.5
16 x 8 wheel	_____	57.5
Overall Length		
To spare tire	_____	154.9 (3947)
To bumper	_____	150.2 (3813)
Overall Width	_____	68.3 (1693)
Overall Height		
Hard top	_____	69.8 (1764)
Soft top	_____	71.2 (1802)
Top Down	_____	68.4 (1737)
Ground Clearance		
Front axle	_____	8.7 (226) min., 9.2 (228) max.
Rear axle	_____	8.6 (208) min., 9.1 (217) max.
Running	_____	9.0 (215) min., 10.0 (259) max.

(a) All dimensions measured with two passengers

continued

WRANGLER SPECIFICATIONS

DIMENSIONS AND CAPACITIES(a) (CONTINUED)

Approach Angle	42.2
Ramp Breakover Angle	226
Departure Angle	31.5
Curb Weight	3,200 lbs. (1467 kg)—SE, 3,438 lbs. (1545 kg)—X, 3,539 lbs. (1565 kg)—Sport, 3,832 lbs. (1686 kg)—Rubicon
Maximum Payload (includes occupants and cargo)	800 lbs. (363 kg)
Weight Distribution, F/R	48/51—SE 50/50—X, Sport and Rubicon
Frontal Area	27.8 sq. ft. (2.58 sq. m)
Hard top	0.55
Soft top	0.58
Drag Coefficient	0.55 hard top, 0.58 soft top
Fuel Tank Capacity	19 gal. (72L)
Cargo Volume	
Rear seat up, hard top	11.6 cu. ft. (252L)
Rear seat up, soft top	11.9 cu. ft. (258L)
Rear seat tumbled, hard top	24.2 cu. ft. (1175L)
Rear seat tumbled, soft top	25.4 cu. ft. (1209L)
Rear seat removed, hard top	45.8 cu. ft. (1303L)
Rear seat removed, soft top	47.1 cu. ft. (1337L)

ACCOMMODATIONS(b)

Seating Capacity—F/R	2/2
Front	
Head room	41.3 (1038) hard top; 42.5 (1064) soft top
Leg room	40.9 (1044)
Shoulder room	50.8 (1289)
Hip room	51.8 (1292)
Seat travel	8.27 (210)
Recliner range	44.5°
SAE volume	50.0 cu. ft. (1.4 cu. m) hard top, 51.4 cu. ft. (1.5 cu. m) soft top
Rear	
Head room	39.5 (1004) hard top; 39.7 (1031) soft top
Leg room	35.3 (890)
Shoulder room	57.3 (1455)
Hip room	42.7 (1105)
SAE volume(c)	42.4 cu. ft. (1.2 cu. m) hard top and soft top

BODY AND CHASSIS

Layout	Longitudinal front engine, four-wheel drive
Construction	Ladder-type frame, open steel body

(a) All dimensions measured with two passengers.

(b) All dimensions measured at curb weight.

(c) Without footwell.

continued

WRANGLER SPECIFICATIONS

SUSPENSION

Front _____ Live axle, leading arms, track bar, coil springs, stabilizer bar,
low-pressure gas-charged shock absorbers—std.;
Monotube high-pressure gas-charged shock absorbers—std. Rubicon; opt.

Rear _____ Live axle, trailing arms, track bar, coil springs, stabilizer bar,
low-pressure gas-charged shock absorbers—std.;
Monotube high-pressure gas-charged shock absorbers—std. Rubicon; opt.

STEERING

Type _____ Power recirculating ball with damper

Overall Ratio _____ 16.8:1 overall (gear—15.2:1)

Turning Diameter (curb-to-curb) _____ 36.7 ft. (11.2 m)—30 x 9.5 tire

Steering Turns (lock-to-lock) _____ 3.4

TIRES(a)

Standard—SE and X

Size and type _____ P215/75R15 on/off road

Mfr. and model _____ Goodyear Wrangler RT/S

Revs per mile _____ 755 (469)

Optional—Sport

Size and type _____ 30 x 9.5 x R15 LT on/off road

Mfr. and model _____ Goodyear Wrangler GS-A

Revs per mile _____ 719 (446)

Standard—Sport; Optional—X

Size and type _____ P225/75R15 on/off road

Mfr. and model _____ Goodyear Wrangler GS-A

Revs per mile _____ 733 (455)

Standard—Rubicon

Size and type _____ 31 x 9.5 LT245/75R16 on/off road

Mfr. and model _____ Goodyear Wrangler MT/R

Revs per mile _____ 677 (420)

WHEELS(a)

Standard—SE, X and Sport

Type and material _____ Full-face steel

Size _____ 15 x 7

Optional—SE, X and Sport; (SE, Sport not available with 15x7 Cast Alum Ecco wheels only X)

Type and material _____ Cast-aluminum

Size _____ 15 x 7

Optional—Sport

Type and material _____ Cast-aluminum

Size _____ 15 x 8

Standard—Rubicon

Type and material _____ Cast-aluminum

Size _____ 16 x 8

(a) See also Tires under Feature Availability.

continued

WRANGLER SPECIFICATIONS

BRAKES

Standard—SE, X and Sport

Front

Size and type _____ 11.0 x 0.94 (280 x 24) vented disc with single-piston sliding caliper

Swept area _____ 198.5 sq. in. (1281 sq. cm)

Rear

Size and type _____ 9.0 x 2.5 (229 x 64) drum

Swept area _____ 141.4 sq. in. (912 sq. cm)

Power Assist Type _____ 8.07 (205) tandem diaphragm vacuum

Standard—Rubicon, Optional Sport

Front

Size and type _____ 11.0 x 0.94 (280 x 24) vented disc with single-piston sliding caliper

Swept area _____ 198.5 sq. in. (1281 sq. cm)

Rear

Size and type _____ 11.2 x 0.47 (285 x 12) solid disc with single-piston sliding caliper

Swept area _____ 96.8 sq. in. (625 sq. cm)

Power Assist Type _____ 8.07 (205) tandem diaphragm vacuum

Optional—Sport

Front

Size and type _____ 11.0 x 0.94 (280 x 24) vented disc with single-piston sliding caliper with ABS

Swept area _____ 198.5 sq. in. (1281 sq. cm)

Rear

Size and type _____ 9.0 x 2.5 (229 x 64) drum with ABS

Swept area _____ 141.4 sq. in. (912 sq. cm)

Power Assist Type _____ 8.07 (205) tandem diaphragm vacuum

(a) See also Wheels under Feature Availability.

continued

WRANGLER UNLIMITED SPECIFICATIONS

All dimensions are in inches (millimeters) unless otherwise noted.

ENGINE: 4.0-LITER, OHV, 12-VALVE SMPI POWER TECH I-6

Type and Description	In-line, liquid-cooled
Displacement	242 cu. in. (3956 cu. cm)
Bore x Stroke	3.88 x 3.41 (98.4 x 86.7)
Valve System	OHV, 12 valves, flat followers, hydraulic lifters
Fuel Injection	Sequential, multi-port, electronic
Construction	Cast-iron block and head
Compression Ratio	8.8:1
Power (SAE net)	190 bhp (142 kW) @ 4600 rpm (47.5 bhp/L)
Torque (SAE net)	235 lb.-ft. (319 N•m) @ 3200 rpm
Max. Engine Speed	5300 rpm
Fuel Requirement	Unleaded regular, 87 octane (R+M)/2
Oil Capacity	6.0 qt. (5.7L)
Coolant Capacity	10.5 qt. (9.9L)
Emission Controls	Three-way catalytic converters, heated oxygen sensors, internal engine features
Max. Gross Trailer Weight	3,500 lbs.
Estimated EPA Fuel Economy mpg (City/Hwy)	16/20—automatic, 16/20—manual

TRANSMISSION: 42RLE—AUTOMATIC, FOUR-SPEED OVERDRIVE

Description	Electronic governor, electronically controlled converter clutch
Gear Ratios	
1st	2.84
2nd	1.57
3rd	1
4th	0.69
Axle Ratio	3.73
Overall Top Gear	2.57

TRANSMISSION: NSG 370 — MANUAL, SIX-SPEED

Availability	Std.—All models
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	4.459
2nd	2.614
3rd	1.723
4th	1
5th	0.838
Reverse	4.06
Axle Ratio	3.73—4.0L, 4.11—Rubicon
Overall Top Gear	2.98—4.0L; 3.29—Rubicon

continued

WRANGLER UNLIMITED SPECIFICATIONS

TRANSFER CASE: 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

DIMENSIONS AND CAPACITIES

Wheelbase	103.4 (2626)
Track, Front	58.5 (1473)
Track, Rear	58.5 (1473)
Overall Length	
To spare tire	155.4 (3947)
To bumper	167 (4242)
Overall Width	66.7 (1693)/76.3 (1938)
Overall Height	
Hard top	69.4 (1764)
Soft top	70.9 (1802)
Top down	68.4 (1737)
Ground Clearance	
Front axle	9.3 (237)
Rear axle	8.3 (212)
Running	9.2 (235)
Approach Angle	43.1
Ramp Breakover Angle	21.4
Departure Angle	27.7
Curb Weight	3,721 lbs. (1689 kg)
Maximum Payload (includes occupants and cargo)	800 lbs. (363 kg)
Weight Distribution, F/R	50/50
Frontal Area	27.8 sq. ft. (2.58 sq. m)
Hard top	0.55
Soft top	0.58
Drag Coefficient	0.55 hard top, 0.58 soft top
Fuel Tank Capacity	19 gal. (72L)
Total Interior Volume	94.1 cu. ft. (2.664 cu. m)
Front Interior Volume	50.6 cu. ft. (1.432 cu. m)
Rear Interior Volume	43.5 cu. ft. (1.232 cu. m)
Cargo Volume	28.5 cu. ft. (0.807 cu. m)
Enclosed Cargo Volume Index—Maximum behind front seat	63.3 cu. ft. (1.792 cu. m)
Enclosed Cargo Volume Index—Maximum behind second seat	28.2 cu. ft. (0.799 cu. m)

continued

WRANGLER UNLIMITED SPECIFICATIONS

ACCOMMODATIONS

Seating Capacity—F/R _____ 2/2 std.

Front

Head room _____ 40.9 (1038) hard top; 41.9 (1064) soft top

Leg room _____ 41.1 (1044)

Shoulder room _____ 50.8 (1289)

Hip room _____ 51.8 (1292)

Seat travel _____ 8.27 (210)

Recliner range _____ 44.5°

Rear

Head room _____ 41.1 (1044) hard top; 40.6 (1031) soft top

Leg room _____ 36.7 (890)

Shoulder room _____ 57.3 (1455)

Hip room _____ 43.5 (1105)

BODY AND CHASSIS

Layout _____ Longitudinal front engine, four-wheel drive

Construction _____ Ladder-type frame, open steel body

SUSPENSIONFront _____ Live axle, leading arms, track bar, coil springs,
stabilizer bar, low-pressure gas-charged shock absorbersRear _____ Live axle, trailing arms, track bar, coil springs,
stabilizer bar, low-pressure gas-charged shock absorbers**STEERING**

Type _____ Power recirculating ball with damper

Overall Ratio _____ 16.8:1 overall (gear—15.2:1)

Turning Diameter (curb-to-curb) _____ 36 ft. (11.2 m)

Steering Turns (lock-to-lock) _____ 3.4

TIRES

Standard—Unlimited

Size and type _____ 30 x 9.5R15LT

Mfr. and model _____ Goodyear Wrangler GSA

Revs per mile _____ 719

Unlimited Rubicon

Size and type _____ 31 x 9.5 LT245/75R16 on/off road

Mfr. and model _____ Goodyear Wrangler MT/R

Revs per mile _____ 677 (420)

WHEELS

Standard—Unlimited

Type and material _____ Cast-aluminum

Size _____ 15 x 8

Unlimited Rubicon

Type and material _____ Cast-aluminum

Size _____ 16 x 8

continued

WRANGLER UNLIMITED SPECIFICATIONS

BRAKES

Front

Size and type _____ 11.0 x 0.94 (280 x 24) vented disc with single-piston sliding caliper

Swept area _____ 198.5 sq. in. (1,281 sq. cm)

Rear

Size and type _____ 9.0 x 2.5 (229 x 64) drum

Swept area _____ 141.4 sq. in. (912 sq. cm)

Power Assist Type _____ 8.07 (205) tandem diaphragm vacuum