

2007 JEEP WRANGLER SPECIFICATIONS

Dimensions are in inches (millimeters) unless otherwise noted.

GENERAL INFORMATION

Body Style.....2-Door Sport Utility
Assembly PlantToledo, Ohio
EPA Vehicle Class.....Multi-purpose vehicle

ENGINE: 3.8-LITER, OHV, 12-VALVE SMPI V-6

Availability.....Std.
Type and Description.....Six-cylinder, 60° V-type, liquid-cooled
Displacement.....230.5 cu. in. (3778 cu. cm)
Bore x Stroke..... 3.78 x 3.43 (96 x 87)
Valve System.....OHV, 12 valves, roller followers, hydraulic lifters
Fuel Injection..... Sequential, multi-port, electronic
Construction..... Cast-iron block, aluminum alloy heads
Compression Ratio..... 9.6:1
Power (SAE net)..... 205 hp (153 kW) @ 5,200 rpm (53.9 hp/L)
Torque (SAE net)..... 240 lb.-ft. (325 N•m) @ 4,000 rpm
Fuel Recommendation.....Unleaded regular, 87 octane (R+M)/2
Oil Capacity.....6 qt. (5.7L) plus filter
Coolant Capacity..... 13.36 qt. (12.64L) Std.
Emission Controls.....Three-way catalytic converter, heated oxygen
sensors, electronic EGR and internal engine features
Meets Tier 2 Bin 5 (federal) and LEV 2 (CA) emission requirements

ELECTRICAL SYSTEM

Alternator..... 160A
Battery.....600 CCA, maintenance-free

TRANSMISSION: NSG 370—MANUAL, SIX-SPEED OVERDRIVE

Availability.....Std.— All models
Description..... Synchronized in all forward gears and reverse,
multi-rail shift system with top-mounted shift lever
Clutch.....Hydraulic actuation
Gear Ratios
1st_..... 4.46
2nd_..... 2.61
3rd_..... 1.72
4th_..... 1.25
5th_..... 1.00
6th_..... 0.84
Reverse..... 4.06
Axle Ratio.....3.21 Std., 4.10 Opt. (Std. on Rubicon)
Overall Top Gear.....2.69 Std., 3.44 Opt. (Std. on Rubicon)

TRANSMISSION: 42RLE—AUTOMATIC, FOUR-SPEED OVERDRIVE

Availability.....Optional
Description.....Electronic governor, electronically controlled converter clutch

Gear Ratios

1st_ 2.84
2nd_ 1.57
3rd_ 1.0
4th_ 0.69
Reverse..... 2.21

Axle Ratio..... 4.10
Overall Top Gear..... 2.83

TRANSFER CASE: NV24 1 COMMAND-TRAC

Type.....Part-time
Operating Modes2WD High; 4WD High;
Neutral; 4WD Low
Low Range Ratio..... 2.72:1
Center Differential Type.....None

TRANSFER CASE: NV24 1OR ROCK-TRAC

Type..... Part-time, heavy-duty
Operating Modes2WD High; 4WD High;
Neutral; 4WD Low
Low Range Ratio.....4.0:1
Center Differential
Type.....None

DIMENSIONS AND CAPACITIES

General Overall Length..... 152.8 (3881.1)
Overall Width (without mirrors).....73.7 (1872.0)
Overall Height, Hard top.....70.9 (1800.9)/72.3 (1836.4) Rubicon
Wheelbase.....95.4 (2423.2)
Track, Front61.9 (1572.3)
Track, Rear61.9 (1572.3)
Overhang, Front.....26.7 (678.2)
Overhang, Rear.....30.6 (777.2)
Maximum Payload (includes occupants and cargo)..... 1000 lbs. (454 kg)

CLEARANCES

	P225/75R16	P245/75R16	P255/75R17	P255/70R18	LT255/75R17
Approach Angle Deg.	40.8	42.0	43.8	44.6	44.3
Breakover Angle Deg.	21.8	23.1	24.9	25.5	25.4
Departure Angle Deg.	37.4	38.7	40.3	40.6	40.4
Front Axle to ground (inches)	9.1	9.6	10.3	10.6	10.5
Rear Axle to ground (inches)	8.8	9.4	10.1	10.3	10.2

CURB WEIGHT

Wrangler X, Man. Trans.....	3760 lbs. (1706 kg)
Wrangler X Auto. Trans.....	3785 lbs. (1717 kg)
Wrangler Sahara, Man. Trans.....	3951 lbs. (1792 kg)
Wrangler Sahara, Auto. Trans.....	3976 lbs. (1804 kg)
Wrangler Rubicon, Man. Trans.....	4104 lbs. (1862 kg)
Wrangler Rubicon, Auto. Trans.....	4129 lbs. (1873 kg)

ACCOMMODATIONS

Seating Capacity, F/R..... 2/2

Front

Headroom.....	41.3 (1049.0)
Leg Room.....	41.0 (1041.4)
Shoulder Room.....	55.8 (1417.3)
Hip Room.....	55.6 (1412.2)
Seat Travel.....	Driver – 9.4 (238.8), passenger – 9.4 (238.8)
Front Volume Index, cubic ft. (cu. m).....	54.6 (1.545)

Rear

Headroom.....	40.3 (1023.6)
Leg Room.....	35.6 (904.2)
Shoulder Room.....	61.6 (1564.6)
Hip Room.....	44.7 (1135.4)
Rear Seat Volume Index, cubic ft. (cu. m)	48.3 (1.367)

Cargo Lifterover Height.....	27.8 (706.1)
Maximum Cargo Width at Swing Gate Opening.....	58.7 (1491.0)
Minimum Cargo Height at Swing Gate Opening	37.0 (939.8)
Maximum Cargo Height at Swing Gate Opening.....	37.1 (942.3)
Minimum Cargo Height at Swing Gate Opening.....	37.0 (939.8)
Distance between wheelhouses.....	44.7 (1135.4)

Cargo Volume cubic ft. (cu. m)

Rear seat installed.....	56.5 cu. ft. (1.60)
Rear seat removed.....	61.2 cu. ft. (1.73)
Behind Rear Seat.....	17.15 cu. ft. (0.49)

BODY AND CHASSIS

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

SUSPENSION

Front..... Live axle, leading arms, track bar, coil springs, stabilizer bar,
 low-pressure (on 16-inch wheel packages) gas-charged shock absorbers—std.;
 Monotube high-pressure (on 17- and 18-inch wheel packages)
 gas-charged shock absorbers—std.;
 Electronic Sway Bar Disconnect System (ASDS) opt.

Rear Live axle, trailing arms, track bar, coil springs, stabilizer bar,
 low-pressure (on 16-inch wheel packages) gas-charged shock absorbers—std.;

Monotube high-pressure (on 17- and 18-inch wheel packages)
gas-charged shock absorbers—std.

STEERING

Type.....Power, recirculating ball with damper
Overall Ratio 16.7:1 overall
Turning Diameter (curb-to-curb)....34.9 ft. (10.64 m)
Steering Turns (lock-to-lock)3.5

BRAKES

Availability.....Std. All
Power Assist Type..... 10 (254) single-diaphragm vacuum
Four-Wheel Anti-Lock with on- and off-road calibrations.....Std.
Electronic Stability Program (ESP)Std.
Parking Brake TypeDrum-in-hat

Front Size and Type.....11.9 x 1.1 (302 x 28) vented rotor
with 2.6 (66) single-piston floating caliper
Swept Area (total front).....234.3 sq in (1511.6 sq cm)
Rear Size and Type..... 12.44 x 0.47 (316 x 12) solid rotor
with 1.9 (48) single-piston floating caliper
Swept Area (total rear)..... 202.6 sq in (1307.1 sq cm)

WHEELS

Availability.....X Standard
Type and MaterialPainted Steel
Size.....16 x 7.0

Availability.....X Optional
Type and Material.....Painted Cast Aluminum
Size 16 x 7.0

Availability.....Sahara Standard
Type and Material.....Painted Cast Aluminum
Size.....17 x 7.5

Availability.....Rubicon Standard
Type and Material.....Machined Cast Aluminum
Size.....17 x 7.5

Availability.....Sahara Optional
Type and Material.....Painted Cast Aluminum
Size.....18 x 7.5

TIRES

Availability.....X Std.
Size and Type P225/75R16, On/Off-road, Black Side Wall
Mfr. and Model.....Goodyear Wrangler ST
Revs per Mile (km).....712 (1146)

Availability.....X Optional
Size and Type..... P245/75R16, On/Off-road, Black Side Wall
Mfr. and Mode.....Goodyear Wrangler SRA
Revs per Mile (km).....687 (1106)

Availability.....Sahara Standard
 Size and type.....P255/75R17, On/Off-road, Outlined White Lettered
 Mfr. and Model.....Goodyear Wrangler SRA
 Revs per Mile (km).....661 (1064)

TIRES CONT...

Availability.....Sahara Optional
 Size and Type.....P255/70R18, On/Off-road, Outlined White Lettered
 Mfr. and Model.....Bridgestone Dueler 693
 Revs per Mile (km).....653 (1051)

Availability.....Rubicon Standard
 Size and Type.....LT255/75R17, Off-Road, Black Side Wall
 Mfr. and Model.....B.F. Goodrich Mud Terrain
 Revs per Mile (km).....650 (1046)

TOWING CAPACITIES

WRANGLER 2-DR "X" 4WD - LHD JK JL72											
Engine	Trans Type	Transmission	Axle Ratio	Payload	Base Wt.	Base Wt. Front	Base Wt. Rear	GAWR Front	GAWR Rear	GCWR	Max Trail
3.8L V6 GAS (EGT)	M6	NSG370 6-SPD MANUAL (DEH)	3.21 **	1,000	3,760	2,011	1,749	2,650	3,400	4,910	1,000
3.8L V6 GAS (EGT)	M6	NSG370 6-SPD MANUAL (DEH)	4.10	1,000	3,760	2,011	1,749	2,650	3,400	5,910	2,000
3.8L V6 GAS (EGT)	A4	42RLE VLP 4-SPD AUTO (DGV)	4.10	1,000	3,785	2,032	1,753	2,650	3,400	5,935	2,000

WRANGLER 2-DR Sahara 4WD - LHD JK JP72											
Engine	Trans Type	Transmission	Axle Ratio	Payload	Base Wt.	Base Wt. Front	Base Wt. Rear	GAWR Front	GAWR Rear	GCWR	Max Trail
3.8L V6 GAS (EGT)	M6	NSG370 6-SPD MANUAL (DEH)	3.21 **	1,000	3,951	2,114	1,837	2,650	3,400	5,101	1,000
3.8L V6 GAS (EGT)	M6	NSG370 6-SPD MANUAL (DEH)	4.10	1,000	3,951	2,114	1,837	2,650	3,400	6,101	2,000
3.8L V6 GAS (EGT)	A4	42RLE VLP 4-SPD AUTO (DGV)	4.10	1,000	3,976	2,135	1,841	2,650	3,400	6,126	2,000

WRANGLER 2-DR "X" 4WD - RHD JK UL72											
Engine	Trans Type	Transmission	Axle Ratio	Payload	Base Wt.	Base Wt. Front	Base Wt. Rear	GAWR Front	GAWR Rear	GCWR	Max Trail
3.8L V6 GAS (EGT)	M6	NSG370 6-SPD MANUAL (DEH)	3.21 **	1,000	3,801	2,024	1,777	2,650	3,400	4,951	1,000
3.8L V6 GAS (EGT)	M6	NSG370 6-SPD MANUAL (DEH)	4.10	1,000	3,801	2,024	1,777	2,650	3,400	5,951	2,000
3.8L V6 GAS (EGT)	A4	42RLE VLP 4-SPD AUTO (DGV)	4.10	1,000	3,826	2,045	1,781	2,650	3,400	5,976	2,000

WRANGLER 2-DR Rubicon 4WD - LHD JK JS72											
Engine	Trans Type	Transmission	Axle Ratio	Payload	Base Wt.	Base Wt. Front	Base Wt. Rear	GAWR Front	GAWR Rear	GCWR	Max Trail
3.8L V6 GAS (EGT)	M6	NSG370 6-SPD MANUAL (DEH)	4.10	1,000	4,104	2,196	1,908	2,650	3,400	6,254	2,000
3.8L V6 GAS (EGT)	A4	42RLE VLP 4-SPD AUTO (DGV)	4.10	1,000	4,129	2,217	1,912	2,650	3,400	6,279	2,000

NOTES:
 1. GCWR = Base Weight + Maximum Trailer Weight + 150 lbs. for Driver.
 2. ** AHT Trailer Tow Package not available with 3.21 Axle Ratio.