

2007 JEEP WRANGLER UNLIMITED SPECIFICATIONS

Dimensions are in inches (millimeters) unless otherwise noted.

GENERAL INFORMATION

Body Style.....4-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)..... 202 hp (151 kW) @ 5,200 rpm (53.9 hp/L)
Torque (SAE net)..... 237 lb.-ft. (321 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
Manual Transmission Meets Tier 2 Bin 5 (federal) and LEV II (CA) emission requirements
Automatic Transmission Meets Tier 2 Bin 5 (federal) and ULEV II (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 WITH VARIABLE LINE PRESSURE

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: NV241 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: NV241OR 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..... 173.4 (4404.4)

Overall Width (without mirrors).....73.9 (1877.1)

Height.....70.9 (1800.9)

Wheelbase..... 116.0 (2946.4)

Track, Front61.9 (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	P255/75/R17	P255/70R18	LT255/75R17
	Tire	Tire	Tire	Tire	Tire
Approach Angle Deg.	40.6	42.1	43.6	44.4	44.4
Breakover Angle Deg.	17.8	19	20.3	20.9	20.8
Departure Angle Deg.	37.5	38.8	40.3	40.7	40.5
Front Axle to ground	9.0 (228.6)	9.6 (243.8)	10.2 (259.1)	10.5 (266.7)	10.5 (266.7)
Rear Axle to ground	8.7 (221.0)	9.3 (236.2)	10.0 (254.0)	10.2 (259.1)	10.1 (256.5)

CURB WEIGHT

Wrangler Unlimited X, Man. Trans.....	4075 lbs. (1848 kg)
Wrangler Unlimited X Auto. Trans.....	4100 lbs. (1860 kg)
Wrangler Unlimited Sahara, Man. Trans.....	4269 lbs. (1936 kg)
Wrangler Unlimited Sahara, Auto. Trans.....	4294 lbs. (1948 kg)
Wrangler Unlimited Rubicon, Man. Trans.....	4315 lbs. (1957 kg)
Wrangler Unlimited Rubicon, Auto. Trans.....	4340 lbs. (1969 kg)

ACCOMMODATIONS

Seating Capacity, F/R.....	2/3
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Front

Headroom.....	41.3 (1049.0 mm)
Legroom.....	41.0 (1041.4 mm)
Shoulder Room.....	55.8 (1417.3 mm)
Hip Room.....	55.6 (1412.2 mm)
Seat Travel.....	Driver – 9.055 (230.0mm), passenger – 9.055 (230.0mm)
Front Volume Index, cubic ft. (cu. m).....	54.6 (1.55 cu. m)

Rear

Headroom.....	40.4 (1026.2 mm)
Legroom.....	37.2 (944.9 mm)
Shoulder Room.....	56.8 (1442.7 mm)
Hip Room.....	56.7 (1440.2 mm)
Rear Seat Volume Index, cubic ft. (cu. m)	49.4 (1.40 cu. m)

Cargo Liftover Height	31.4 (797.6 mm)
Maximum Cargo Width at Swing Gate Opening.....	58.7 (1491.0 mm)
Minimum Cargo Width at Swing Gate Opening	41.2 (1046.5 mm)
Maximum Cargo Height at Swing Gate Opening.....	37.1 (942.3 mm)
Minimum Cargo Height at Swing Gate Opening.....	37.0 (939.8 mm)
Distance between wheelhouses.....	44.7 (1135.4 mm)

Cargo Volume cubic ft. (cu. m)

Rear seat folded.....	86.75 (2.46 cu. m)
Rear Seat Upright.....	46.43 (1.31 cu. m)

BODY AND CHASSIS

Layout.....	Longitudinal front engine, four-wheel drive & two-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 14.7:1 overall
Turning Diameter (curb-to-curb).... 41.2 ft. (12.56 m) with 225/75R16 tires
Steering Turns (lock-to-lock)3.5

BRAKES

Availability.....Std. All
Power Assist Type..... 8 x 9 dual-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).....220.6 inches/caliper
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)..... 207.7 inches/caliper

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)

TIRES CONT...

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)

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 4DR 'X' 2WD - LHD

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 **	1,150	3,664	2,075	1,789	2,660	3,400	5,014	1,000
3.8L V6 GAS (EGT)	M6	NSG370 6-SPD MANUAL (DEH)	4.10	1,150	3,664	2,075	1,789	2,660	3,400	7,514	3,500
3.8L V6 GAS (EGT)	A4	42RLE VLP 4-SPD AUTO (DGV)	4.10	1,150	3,689	2,096	1,793	2,660	3,400	7,539	3,500

WRANGLER 4DR Sahara 2WD - LHD

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 **	1,150	4,054	2,163	1,892	2,660	3,400	5,204	1,000
3.8L V6 GAS (EGT)	M6	NSG370 6-SPD MANUAL (DEH)	4.10	1,150	4,054	2,163	1,892	2,660	3,400	7,704	3,500
3.8L V6 GAS (EGT)	A4	42RLE VLP 4-SPD AUTO (DGV)	4.10	1,150	4,079	2,184	1,896	2,660	3,400	7,729	3,500

WRANGLER 4DR 'X' 4WD - LHD

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 **	1,150	4,075	2,243	1,832	2,660	3,400	5,225	1,000
3.8L V6 GAS (EGT)	M6	NSG370 6-SPD MANUAL (DEH)	4.10	1,150	4,075	2,243	1,832	2,660	3,400	7,725	3,500
3.8L V6 GAS (EGT)	A4	42RLE VLP 4-SPD AUTO (DGV)	4.10	1,150	4,100	2,264	1,836	2,660	3,400	7,750	3,500

WRANGLER 4DR Sahara 4WD - LHD

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 **	1,150	4,269	2,334	1,936	2,660	3,400	5,419	1,000
3.8L V6 GAS (EGT)	M6	NSG370 6-SPD MANUAL (DEH)	4.10	1,150	4,269	2,334	1,936	2,660	3,400	7,919	3,500
3.8L V6 GAS (EGT)	A4	42RLE VLP 4-SPD AUTO (DGV)	4.10	1,150	4,294	2,355	1,940	2,660	3,400	7,944	3,500

WRANGLER 4DR Rubicon 4WD - LHD

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	1,150	4,315	2,360	1,955	2,660	3,400	7,965	3,500
3.8L V6 GAS (EGT)	A4	42RLE VLP 4-SPD AUTO (DGV)	4.10	1,150	4,340	2,381	1,959	2,660	3,400	7,990	3,500

NOTES:

1. GCWR = Base Weight + Maximum Trailer Weight + 150 lbs. for Driver.

2. ** AHT Trailer Tow Package not available with 3.21 Axle Ratio.