

LEGEND: S=Standard, O=Optional, P=Package, — = Not available

Complete package information is listed at the end of the Feature Availability section.

NOTE: Information shown is correct at time of publication, and is subject to change without notice.

## 2008 Jeep® Wrangler Unlimited FEATURE AVAILABILITY

	X	Sahara	Rubicon
<b>EXTERIOR</b>			
Colors			
Black, Bright Silver, Flame Red, Jeep Green, Dentonator Yellow (X and Rubicon only), Red Rock, Rescue Green, Steel Blue, Bright White	O	O	O
Fender Flares, Black	S	—	S
Fender Flares, Body color	—	S	—
Doors			
Four doors, removable	S	S	S
Full, metal with roll-up windows (included with hard or dual top)	S	S	S
Half, metal (not available with hard or dual top options)	O	—	O
Fog Lamps (requires tow hooks)	P	S	S
Grille – Body color	S	S	S
Halogen Headlamps	S	S	S
Mirrors—Dual, swing-away, manual, Black	S	S	S
Rock rails – Heavy-duty, black-painted steel	—	—	S
Side Steps – Tubular	O	S	—
Tops			
Sunrider™ soft top with “sun roof” feature (dual top vehicles only)	S	S	S
Freedom Top™ - Three-piece modular hardtop	O	O	O
Tow Hooks—Two, front; one, rear (requires fog lamps)	P	S	S
Windshield – Fold-down, sunscreen	S	S	S
Windshield wipers —Two-speed with variable intermittent mode	S	S	S
<b>INTERIOR</b>			
Assist Handle—Passenger	S	S	S
Carpeting			
Front seat, rear seat, wheelhouse and cargo area	S	S	S
Cargo Tie Down Loops (four)	S	S	S
Climate Control			
Air conditioning	S	S	S
Console—Floor			
Full length with front and rear cup holders, locking storage bin	S	S	S
Door Locks – Power	O/P	S	O/P
Floor Mats—Carpeted, front	O	O	O
Glove Compartment	S	S	S

	X	Sahara	Rubicon
<b>Instrument Cluster</b>			
Gauges—Speedometer, tachometer, odometer, trip odometer, temperature, fuel level, oil pressure, voltmeter	S	S	S
Temperature and compass gauge	—	S	S
<b>Mirrors</b>			
Manual day/night rearview	S	S	S
Power Accessory – 12-volt power outlet in instrument panel	S	S	S
<b>Radios</b>			
AM/FM stereo radio with CD player and MP3/WMA auxiliary jack	S	S	S
AM/FM stereo radio with six-disc DVD/CD changer and MP3/WMA auxiliary jack	O	O	O
AM/FM stereo radio with six-disc DVD/CD changer, MPS Navigation System, MP3/WMA auxiliary jack, 20G hard drive and SIRIUS Satellite Radio	—	O	O
SIRIUS Satellite Radio	O	O	O
Six speakers	S	S	S
Six Infinity speakers and subwoofer with 368-watt high power amplifier	O	S	S
<b>Seat Fabric</b>			
Cloth	S	—	—
YES Essentials® stain resistant, odor resistant, anti-static seat fabric	—	S	S
<b>Seats, Front</b>			
Low-back reclining bucket with adjustable head restraints	S	S	S
<b>Seats, Rear</b>			
Fold-and-tumble 60/40 split bench	S	S	S
Speed Control (included with leather-wrapped steering wheel)	P	S	S
Sport Bar—With full padding, two speakers and dome light	S	S	S
Steering Column—Tilt, manual	S	S	S
<b>Steering Wheel</b>			
Leather-wrapped with speed controls	O	S	S
Storage –Lockable, under rear cargo area floor	S	S	S
Sun Visors—Driver and front passenger	S	S	S
Windows – Power	O/P	S	O/P
<b>POWERTRAIN AND CHASSIS</b>			
Alternator – 160-amp	S	S	S
Battery – 600-amp maintenance free	S	S	S
<b>Brakes</b>			
Four-wheel disc brakes with vented front, solid rear discs, and Anti-lock Brake System (ABS) with on- and off-road calibrations	S	S	S
<b>Differential</b>			
Trac-Lok(a)	O	O	—
Tru-Lok front and rear electronic remote locking	—	—	S

Drive Modes:

	X	Sahara	Rubicon
Two-wheel drive	S	S	—
Four-wheel drive	O	O	S
<b>Engines</b>			
3.8-liter OHV, 12-valve SMPI V-6 engine and six-speed NSG 370 manual transmission	S	S	S
3.8-liter OHV, 12-valve SMPI V-6 engine and four-speed 42RLE automatic transmission	O	O	O
Engine Block Heater	O	O	O
<b>Front Axle</b>			
Enhanced Dana 30	S	S	—
Dana 44, heavy-duty	—	—	S
<b>Rear Axle</b>			
Dana 44, heavy-duty	S	S	S
3.21 axle ratio	S	S	—
3.73 axle ratio – with automatic, optional manual	O	O	—
4.10 axle ratio (available on Rubicon only)	—	—	S
Skid Plates—Fuel tank, transfer case, automatic transmission oil pan (four wheel drive only)	S	S	S
Steering—Power	S	S	S
<b>Suspension</b>			
Quadra-Coil	S	S	S
Front: five-link solid axle, gas-charged shock absorbers, stabilizer bar	S	S	S
Front: Electronic Sway Bar Disconnect System (ASDS)	O	O	S
Rear: five-link solid axle, gas-charged shock absorbers, stabilizer bar	S	S	S
Tire—Spare, swing-gate mounted, full-size with matching wheel	S	S	S
<b>Tires</b>			
Goodyear Wrangler ST P225/75R16 on/off-road, black side wall	S	—	—
Goodyear Wrangler SRA P245/75R16 on/off-road, black side wall	O	—	—
Goodyear Wrangler SRA P255/75R17 on/off-road, outlined white lettered	O	—	—
Bridgestone Dueler 693 P255/70R18 on/off-road, outlined white lettered	—	S	—
B.F. Goodrich Mud Terrain LT255/75R17 on/off-road, black side wall	—	—	S
<b>Transfer Case</b>			
Command-Trac® part-time two-speed	S	S	—
Off-Road Rock-Trac™ two-speed with 4.0:1 low-range gear ratio and electric front- and rear-axle lockers	—	—	S
<b>Wheels</b>			
16" x 7.0" painted steel	S	—	—
16" x 7.0" painted cast aluminum	O	—	—
17" x 7.5" painted cast aluminum	O	—	—
17" x 7.5" machined cast aluminum	—	—	S
18" x 7.5" painted cast aluminum	—	S	—
18" x 7.5" polished machine face aluminum (late availability; standard equipment on	—	S	—

	X	Sahara	Rubicon
Sahara when available)			

(a) Trac-Lok<sup>®</sup> is a registered trademark of Spicer Technology Inc.

## SAFETY AND SECURITY

Brake Assist	S	S	S
Brake lock differentials	S	S	S
Electronic Roll Mitigation (ERM)	S	S	S
Electronic Stability Program (ESP)	S	S	S
Restraint Systems			
Air bags(a), advanced multi-stage driver and front-passenger air bag	S	S	S
Occupant Classification System	S	S	S
LATCH (Lower Anchors and Tethers for Children)	S	S	S
Front-seat-mounted side air bags	O	O	O
Remote keyless entry	P	S	P
Remote start (available w/automatic transmission only)	O	O	O
Seat Belts			
Driver's side constant force retractors	S	S	S
Front—Three-point belts with adjustable turning loops and traveling inboard buckles	S	S	S
Rear—Three-point belts	S	S	S
Seats – Rear, outboard head restraints	S	S	S
Sentry Key <sup>®</sup> Engine Immobilizer	S	S	S
Tire pressure monitor	S	S	S
Traction Control - All speed	S	S	S
Warning chime—Key-in-ignition, headlamps-on, seat belt, check gauges	S	S	S

(a) Certified to meet federal regulations that allow less forceful air bags. Always use seatbelts. Remember, a back seat is the safest place for children.

## EQUIPMENT GROUPS

Power Convenience Group – Includes power locks, one-touch down power windows and remote keyless entry (requires full metal doors)	O	S	O
Premium Appearance Group – Includes silver front and rear bumper overlays as well as interior silver accents on HVAC outlet bezels and steering wheel spokes	—	O	—
Trailer Tow Package – Includes 4.10 axle ratio (deletes rear tow hook if equipped, requires heavy-duty rear axle)	O	O	O
Removable ashtray and lighter element	O	O	O

Legend: S = Standard O = Optional P = Available within package or group — = Not available

# 2008 Jeep® Wrangler Unlimited

## SPECIFICATIONS

Dimensions are in inches (millimeters) unless otherwise noted.

### GENERAL INFORMATION

Body Style	4-door Sport Utility
Assembly Plant	Toledo, 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 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	160-amp
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
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
<b>Gear Ratios</b>	
1st	2.84
2nd	1.57
3rd	1
4th	0.69
Reverse	2.21
Axle Ratio	4.1
Overall Top Gear	2.83

#### **TRANSFER CASE: NV241 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: NV241OR 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

#### **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, Front	61.9 (1572.3)
Overhang, Front	26.7 ( 678.2)
Overhang, Rear	30.6 ( 777.2)
Maximum Payload (includes Occupants and Cargo)	1,000 lbs. (454 kg)

<b>CLEARANCES</b>	<b>P225/75R16 Tire</b>	<b>P245/75R16 Tire</b>	<b>P255/75R17 Tire</b>	<b>P255/70R18 Tire</b>	<b>LT255/75R17 Tire</b>
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 X, Man. Trans	4,075 lbs. (1848 kg)
Wrangler X Auto. Trans	4,100 lbs. (1860 kg)
Wrangler Sahara, Man. Trans	4,269 lbs. (1936 kg)
Wrangler Sahara, Auto. Trans	4,294 lbs. (1948 kg)
Wrangler Rubicon, Man. Trans	4,315 lbs. (1957 kg)
Wrangler Rubicon, Auto. Trans	4,340 lbs. (1969 kg)

### **ACCOMMODATIONS**

Seating Capacity, F/R	2/3
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#### **Front**

Head Room	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—9.055 (230.0), passenger—9.055 (230.0)
Front Volume Index, cubic ft. (cu. m)	54.6 (1.55)

#### **Rear**

Head Room	40.4 (1026.2)
Leg Room	37.2 (944.9)
Shoulder Room	56.8 (1442.7)
Hip Room	56.7 (1440.2)
Rear Seat Volume Index, cubic ft. (cu. m)	49.4 (1.40)
Cargo Lifterover Height	31.4 (797.6)
Maximum Cargo Width at Swing Gate Opening	58.7 (1491.0)
Minimum Cargo Width at Swing Gate Opening	41.2 (1046.5)
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 Folded	86.75 (2.46)

Rear Seat Upright 46.43 (1.31)

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## BODY AND CHASSIS

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

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## SUSPENSION

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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.

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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.

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## STEERING

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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

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## BRAKES

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Availability Std. All  
Power Assist Type 8 x 9 dual-diaphragm vacuum  
Four-wheel Anti-lock Brake System (ABS) with On- and Off-road Calibrations Std.  
Electronic Stability Program (ESP) Std.  
Parking Brake Type Drum-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

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## WHEELS

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Availability X Standard  
Type and Material Painted steel  
Size 16 x 7.0  
Availability X Optional  
Type and Material Painted cast-aluminum

Size	16 x 7.0
Availability	Rubicon Standard
Type and Material	Machined cast-aluminum
Size	17 x 7.5
Availability	Sahara Standard
Type and Material	Painted cast-aluminum
Size	18 x 7.5

## **TIRES**

Availability	X Std.
Size and Type	P225/75R16, on/off-road, black sidewall
Mfr. and Model	Goodyear Wrangler ST
Revs per Mile (km)	712 (1146)
Availability	X Optional
Size and Type	P245/75R16, on/off-road, black sidewall
Mfr. and Mode	Goodyear Wrangler SRA
Revs per Mile (km)	687 (1106)
Availability	Sahara Standard
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, on/off-road, black sidewall
Mfr. and Model	B.F. Goodrich Mud Terrain
Revs per Mile (km)	650 (1046)

## TOWING CAPACITIES

### WRANGLER UNLIMITED "X" 2WD

Engine	Trans. Type	Transmission	Axle Ratio	Payload	Base Wt.	Base Wt. Front	Base Wt. Rear	GAWR Front	GAWR Rear	GCWR	Max. Trail
3.8L V-6 GAS	M6	NSG370 6-SPD MANUAL	3.21 **	1150	3864	2075	1789	2650	3400	5014	1000
3.8L V-6 GAS	M6	NSG370 6-SPD MANUAL	3.73	1150	3864	2075	1789	2650	3400	7514	3500
3.8L V-6 GAS	A4	42RLE VLP 4-SPD AUTO	3.73	1150	3889	2096	1793	2650	3400	7539	3500

### WRANGLER UNLIMITED SAHARA 2WD

Engine	Trans. Type	Transmission	Axle Ratio	Payload	Base Wt.	Base Wt. Front	Base Wt. Rear	GAWR Front	GAWR Rear	GCWR	Max. Trail
3.8L V-6 GAS	M6	NSG370 6-SPD MANUAL	3.21 **	1150	4054	2163	1892	2650	3400	5204	1000
3.8L V-6 GAS	M6	NSG370 6-SPD MANUAL	3.73	1150	4054	2163	1892	2650	3400	7704	3500
3.8L V-6 GAS	A4	42RLE VLP 4-SPD AUTO	3.73	1150	4079	2184	1896	2650	3400	7729	3500

### WRANGLER UNLIMITED "X" 4WD

Engine	Trans. Type	Transmission	Axle Ratio	Payload	Base Wt.	Base Wt. Front	Base Wt. Rear	GAWR Front	GAWR Rear	GCWR	Max. Trail
3.8L V-6 GAS	M6	NSG370 6-SPD MANUAL	3.21 **	1150	4075	2243	1832	2650	3400	5225	1000
3.8L V-6 GAS	M6	NSG370 6-SPD MANUAL	3.73	1150	4,75	2243	1832	2650	3400	7725	3500
3.8L V-6 GAS	A4	42RLE VLP 4-SPD AUTO	3.73	1150	4100	2264	1836	2650	3400	7750	3500

### WRANGLER UNLIMITED SAHARA 4WD

Engine	Trans. Type	Transmission	Axle Ratio	Payload	Base Wt.	Base Wt. Front	Base Wt. Rear	GAWR Front	GAWR Rear	GCWR	Max. Trail
3.8L V-6 GAS	M6	NSG370 6-SPD MANUAL	3.21 **	1150	4269	2334	1936	2650	3400	5419	1000
3.8L V-6 GAS	M6	NSG370 6-SPD MANUAL	3.73	1150	4269	2334	1936	2650	3400	7919	3500
3.8L V-6 GAS	A4	42RLE VLP 4-SPD AUTO	3.73	1150	4294	2355	1940	2650	3400	7944	3500

### WRANGLER UNLIMITED RUBICON 4WD

Engine	Trans. Type	Transmission	Axle Ratio	Payload	Base Wt.	Base Wt. Front	Base Wt. Rear	GAWR Front	GAWR Rear	GCWR	Max. Trail
3.8L V-6 GAS	M6	NSG370 6-SPD MANUAL	4.10	1150	4315	2360	1955	2650	3400	7965	3500
3.8L V-6 GAS	A4	42RLE VLP 4-SPD AUTO	4.10	1150	4340	2381	1959	2650	3400	7990	3500

#### NOTES:

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