

# 2012 Jeep® Wrangler Unlimited

## CANADIAN SPECIFICATIONS

Dimensions are in millimetres (inches) unless otherwise noted.

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

### GENERAL INFORMATION

Body Style	Four-door sport-utility vehicle
Assembly Plant	Toledo Supplier Park, Toledo, Ohio, USA
EnerGuide Vehicle Class	Special purpose vehicle
Introduction Date	2007

### ENGINE: 3.6-LITRE VVT, DOHC V6

Availability	Standard on all models
Type and Description	60° V-type, liquid-cooled
Displacement	220 cu. in. (3604 cu. cm)
Bore x Stroke	3.78 x 3.27 (96 x 83)
Valve System	Chain-driven DOHC, 24 valves and hydraulic end-pivot roller rockers
Fuel Injection	Sequential, multi-port, electronic, returnless
Construction	Aluminum deep-skirt block, aluminum alloy heads
Compression Ratio	10.2:1
Power	285 hp at 6,400 rpm
Torque	260 lb-ft at 4,800 rpm
Max Engine Speed	6,600 erpm (electronically limited)
Fuel Requirement	Unleaded regular, 87 octane (R + M)/2
Oil Capacity	5.7L (6.0 qt.)
Coolant Capacity	13.25L (14 qt.)
Emission Controls	Dual three-way catalytic converters, heated oxygen sensors and internal engine features
EnerGuide Fuel Economy L/100 km (mpg) (City/Hwy)	5-speed Automatic 13.2(21) /10.0(28) 6-speed Manual 13.4 (21)/9.6(29)
Assembly Plant	Trenton South Engine Plant, Trenton, Mich., USA

### ELECTRICAL SYSTEM

Alternator	160-amp
Battery	600 CCA, maintenance free

### TRANSMISSION: NSG 370—MANUAL, SIX-SPEED OVERDRIVE

Availability	Standard on all models
Description	Synchronized in all forward gears and Reverse, multi-rail shift system with top-mounted shift lever
Clutch	Hydraulic actuation
Gear Ratios	

1 <sup>st</sup>	4.46
2 <sup>nd</sup>	2.61
3 <sup>rd</sup>	1.72
4 <sup>th</sup>	1.25
5 <sup>th</sup>	1
6 <sup>th</sup>	0.797
Reverse	4.06
Axle Ratio	3.21 standard Sport and Sahara, 3.73 optional Sport and Sahara (4.10 standard Rubicon)
Overall Top-gear	2.53 standard, 2.95 optional (3.24 Rubicon)

#### **TRANSMISSION: W5A580 AUTOMATIC, FIVE-SPEED OVERDRIVE**

Availability	Optional
Description	Adaptive electronic control or Electronic Range Select (ERS) driver-interactive manual control and electronically modulated torque converter clutch
<b>Gear Ratios</b>	
1 <sup>st</sup>	3.59
2 <sup>nd</sup>	2.19
3 <sup>rd</sup>	1.41
4 <sup>th</sup>	1
5 <sup>th</sup>	0.83
Reverse	3.16
Axle Ratio	3.21 standard Sport and Sahara, 3.73 optional Sport and Sahara, 3.73 standard on Rubicon, 4.10 optional Rubicon
Overall Top-gear	2.54

#### **TRANSFER CASE: NV241 COMMAND-TRAC™**

Type	Part-time
Operating Modes	2WD High; 4WD High; Neutral; 4WD Low
Low-range Ratio	2.72:1
Centre 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
Centre Differential Type	None
Axle Ratio	3.21 standard, 3.73 optional (3.73 standard Rubicon w/automatic) 4.10 standard Rubicon w/manual (optional for automatic)
Overall Top-gear	2.53 standard, 2.95 optional (2.95 standard Rubicon w/automatic, 3.24 standard Rubicon w/manual (optional for automatic))

#### **DIMENSIONS AND CAPACITIES**

General Overall Length	4,404 (173.4)
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Overall Width (without Mirrors)	1,877 (73.9)
Height	1,800 (70.8)
Wheelbase	2,947 (116.0)
Track, Front	1,572 (61.9)
Track, Rear	1,572 (61.9)
Overhang, Front	679 (26.7)
Overhang, Rear	778 (30.6)
Maximum Payload (includes Occupants and Cargo) kg (lb)	454 (1,000)
Fuel-tank Capacity L (imp. gal)	85 (18.7)

### CLEARANCES

	P225/75R16	P255/75R17	P255/70R18	LT255/75R17
Approach Angle, Deg.	40.6	43.6	44.4	44.4
Breakover Angle, Deg.	17.8	20.3	20.9	20.8
Departure Angle, Deg.	37.4	40.3	40.7	40.5
Front Axle to Ground mm (in)	229 (9.0)	259 (10.2)	267 (10.5)	267 (10.5)
Rear Axle to Ground mm (in)	221 (8.7)	254 (10.0)	259 (10.2)	257 (10.1)

### CURB WEIGHT kg (lb)

Wrangler Sport, Manual Transmission	1,940 (4,277)
Wrangler Sport, Automatic Transmission	1,946.4 (4,291)
Wrangler Sahara, Manual Transmission	1,994.4 (4,397)
Wrangler Sahara, Automatic Transmission	2,000.8 (4,411)
Wrangler Rubicon, Manual Transmission	2,050.7 (4,521)
Wrangler Rubicon, Automatic Transmission	2,057 (4,535)

### ACCOMMODATIONS

Seating Capacity, F/R	2/3
<b>Front</b>	
Head Room	1,048 (41.3)
Legroom	1,041 (41.0)
Shoulder Room	1,417 (55.8)
Hip Room	1,413 (55.6)
Seat Travel	Driver — 240 (9.4) Passenger — 240 (9.4)
Front-Volume Index, L (cu. ft.)	1,546 (54.6)
<b>Rear</b>	
Head Room	1,025 (40.4)
Legroom	945 (37.2)
Shoulder Room	1,443 (56.8)
Hip Room	1,440 (56.7)
Rear-Seat Volume Index, L (cu. ft.)	1,399 (49.4)
Cargo Lift-over Height	798 (31.4)
Maximum Cargo Width at Swing	1,490 (58.7)

Gate Opening	
Minimum Cargo Width at Swing Gate Opening	1,047 (41.2)
Maximum Cargo Height at Swing Gate Opening	942 (37.1)
Minimum Cargo Height at Swing Gate Opening	940 (37.0)
Distance Between Wheelhouses	1,136 (44.7)
<b>Cargo Volume - L (cu. ft.)</b>	
Rear Seat Folded	2,456 (86.75)
Rear Seat Upright	1,315 (46.43)

## 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-in. wheel packages) gas-charged shock absorbers — Standard Monotube high-pressure (on 17- and 18-in. wheel packages) gas-charged shock absorbers — Standard Electronic Sway-bar Disconnect System — Optional
Rear	Live axle, trailing arms, track bar, coil springs, stabilizer bar, low-pressure (on 16-in. wheel packages) gas-charged shock absorbers — Standard Monotube high-pressure (on 17- and 18-in. wheel packages) gas-charged shock absorbers — Standard

## STEERING

Type	Power, recirculating ball with damper
Overall Ratio	14.7:1 overall
Turning Diameter (curb-to-curb)	12.56 (41.2 ft.) with 225/75R16 tires
Steering Turns (lock-to-lock)	3.5

## BRAKES

Availability	Standard All
Power-assist Type	8 x 9 dual-diaphragm vacuum
Four-wheel Anti-lock Brake System (ABS) with On- and Off-road Calibrations	Standard All
Electronic Stability Control (ESC)	Standard All
Parking Brake Type	Drum-in-hat
Front Size and Type - in (mm)	11.9 x 1.1 (302 x 28) vented rotor with 2.6 (66) single-piston floating caliper
Swept Area (Total Front)	220.6 in./caliper
Rear Size and Type - in (mm)	12.44 x 0.47 (316 x 12) solid rotor with 1.9 (48) single-piston floating caliper
Swept Area (Total Rear)	207.7 in./caliper

## WHEELS

Availability	Standard on Wrangler Unlimited Sport
Type and Material	Painted steel
Size	16 x 7.0 in.

Availability	Optional on Wrangler Unlimited Sport Standard on Wrangler Unlimited Rubicon
Type and Material	Painted cast-aluminum
Size	17 x 7.5 in.

Availability	Optional on Wrangler Unlimited Sahara
Type and Material	Polished aluminum
Size	18 x 7.5 in.

Availability	Standard on Wrangler Unlimited Sahara
Type and Material	Painted cast-aluminum
Size	18 x 7.5 in.

## TIRES

Availability	Standard on Wrangler Unlimited Sport
Size and Type	P225/75R16 BSW, on/off-road
Mfr. and Model	Goodyear Wrangler ST
Revs per km (Mile)	712 (1146)

Availability	Standard on Wrangler Unlimited Sahara
Size and Type	P255/70R18 OWL, on/off-road
Mfr. and Model	Bridgestone Dueler 693
Revs per km (Mile)	653 (1051)

Availability	Optional on Wrangler Unlimited Sport Standard on Wrangler Unlimited Rubicon
Size and Type	LT255/75R17 BSW, on/off-road
Mfr. and Model	BF Goodrich Mud Terrain
Revs per km (Mile)	650 (1046)

## TOWING CAPACITIES – kg (lb)

### WRANGLER FOUR-DOOR SPORT 4WD

Engine	Trans Type	Transmission	Axle Ratio	Payload	Base Wt	Base Wt. Front	Base Wt. Rear	GAWR Front	GAWR Rear	GCWR	Max Trailer
3.6L V6 gas (ERB)	M6	NSG370 6-SPD MANUAL (DEH)	3.21	454 (1,000)	1,940 (4,277)	1,015 (2,238)	925 (2,039)	1,259 (2,775)	1,451 (3,200)	2,915 (6,427)	907 (2,000)
3.6L V6 gas (ERB)	M6	NSG370 6-SPD MANUAL (DEH)	3.73	454 (1,000)	1,940 (4,277)	1,015 (2,238)	925 (2,039)	1,259 (2,775)	1,451 (3,200)	3,596 (7,927)	1,588 (3,500)
3.6L V6 gas (ERB)	A5	W5A580 5-SPD AUTO (DGJ)	3.21	454 (1,000)	2,232 (4,921)	1,014 (2,237)	932 (2,054)	1,259 (2,775)	1,451 (3,200)	2,922 (6,441)	907 (2,000)

3.6L V6 gas (ERB)	A5	W5A580 5-SPD AUTO (DGJ)	3.73	454 (1,000)	2,232 (4,921)	1,014 (2,237)	932 (2,054)	1,259 (2,775)	1,451 (3,200)	3,602 (7,941)	1,588 (3,500)
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1. GCWR = Base Weight + Maximum Trailer Weight + 150 lbs. for driver.

#### WRANGLER FOUR-DOOR SAHARA 4WD - kg (lb)

Engine	Trans Type	Transmission	Axle Ratio	Payload	Base Wt.	Base Wt. Front	Base Wt. Rear	GAWR Front	GAWR Rear	GCWR	Max Trailer
3.6L V6 gas (ERB)	M6	NSG370 6-SPD MANUAL (DEH)	3.21	399 (880)	1,994 (4,397)	1,031 (2,273)	963 (2,124)	1,259 (2,775)	1,451 (3,200)	2,970 (6,547)	907 (2,000)
3.6L V6 gas (ERB)	M6	NSG370 6-SPD MANUAL (DEH)	3.73	399 (880)	1,994 (4,397)	1,031 (2,273)	963 (2,124)	1,259 (2,775)	1,451 (3,200)	3,650 (8,047)	1,588 (3,500)
3.6L V6 gas (ERB)	A5	W5A580 5-SPD AUTO (DGJ)	3.21	399 (880)	2,001 (4,411)	1,030 (2,272)	970 (2,139)	1,259 (2,775)	1,451 (3,200)	2,976 (6,561)	907 (2,000)
3.6L V6 gas (ERB)	A5	W5A580 5-SPD AUTO (DGJ)	3.73	399 (880)	2,001 (4,411)	1,030 (2,272)	970 (2,139)	1,259 (2,775)	1,451 (3,200)	3,656 (8,061)	1,588 (3,500)

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

#### WRANGLER FOUR-DOOR RUBICON® 4WD - kg (lb)

Engine	Trans Type	Transmission	Axle Ratio	Payload	Base Wt.	Base Wt. Front	Base Wt. Rear	GAWR Front	GAWR Rear	GCWR	Max Trailer
3.6L V6 gas (ERB)	M6	NSG370 6-SPD MANUAL (DEH)	4.10	405 (892)	2051 (4521)	1067 (2352)	984 (2170)	1259 (2775)	1451 (3200)	3706 (8171)	1,588 (3,500)
3.6L V6 gas (ERB)	A5	W5A580 5-SPD AUTO (DGJ)	3.73	405 (892)	2057 (4535)	1066 (2350)	991 (2185)	1259 (2775)	1451 (3200)	3713 (8185)	1,588 (3,500)
3.6L V6 gas (ERB)	A5	W5A580 5-SPD AUTO (DGJ)	4.10	405 (892)	2057 (4535)	1066 (2350)	991 (2185)	1259 (2775)	1451 (3200)	3713 (8185)	1,588 (3,500)

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

