



## 2013 Jeep® Compass SPECIFICATIONS

Dimensions are in inches (millimeters) unless otherwise noted.

NOTE: Information shown is correct at time of publication and is subject to change.

### GENERAL INFORMATION

Body Style	Sport-utility vehicle
Assembly Plant	Belvidere, Ill.
EPA Vehicle Class	Compact SUV
Introduction Date	August 2006

### BODY AND CHASSIS

Layout	Transverse front-engine, front-wheel drive or four-wheel drive
Construction	Unitized steel body

### ENGINE: 2.0-LITER DOHC 16-VALVE I-4 WITH DUAL VVT

Availability	Standard on Sport and Latitude 4x2 models
Type and Description	Four-cylinder inline, tuned intake manifold with electronic active charge motion control valves, dual counter-rotating balance shafts
Displacement	121.9 cu. in. (1998 cu. cm)
Bore x Stroke	3.39 x 3.39 (86 x 86)
Valve System	Chain-driven DOHC, 16 valves, electronically controlled dual variable valve timing (VVT) direct-acting shimless mechanical bucket tappets
Fuel Injection	Sequential, multiport, electronic, returnless
Construction	High-pressure die-cast aluminum block with dry iron liners, cast-aluminum cylinder head, cast-aluminum ladder frame, forged steel crankshaft
Compression Ratio	10.5:1
Power (SAE net, estimated)	158 bhp (117 kW) @ 6,400 rpm (79 bhp/liter)
Torque (SAE net, estimated)	141 lb.-ft. (191 N•m) @ 5,000 rpm
Maximum Engine Speed	6,750 rpm (electronically limited)
Fuel Requirement	Unleaded regular, 87 octane (R+M)/2
Oil Capacity	5.0 qt. (4.7 liter) SAE 5W/20
Coolant Capacity	7.2 qt. (6.8 liter)
Emission Controls	Single catalytic converter, dual heated oxygen sensors and engine features 0.9 g/mile (0.56 g/km) <sup>(c)</sup>
EPA Fuel Economy mpg (city/hwy) 2011 EPA standards	23/30 — 2WD with five-speed manual transaxle 22/28 — 2WD CVT

**ENGINE: 2.4-LITER DOHC 16-VALVE I-4 WITH DUAL VVT**

Availability	Standard on Limited models, Sport and Latitude 4x4 models, Available on Sport and Latitude 4x2 models
Type and Description	Four-cylinder inline, tuned intake manifold with electronic active charge motion control valves dual counter-rotating balance shafts
Displacement	144 cu. in. (2360 cu. cm)
Bore x Stroke	3.46 x 3.82 (88 x 97)
Valve System	Chain-driven DOHC, 16 valves, electronically controlled dual VVT, direct-acting shimless mechanical bucket tappets
Fuel Injection	Sequential, multiport, electronic, returnless
Construction	High-pressure die-cast aluminum block with dry iron liners, cast-aluminum cylinder head, cast-aluminum ladder frame, forged steel crankshaft
Compression Ratio	10.5:1
Power (SAE net, estimated)	172 bhp (129 kW) @ 6,000 rpm (72 bhp/liter)
Torque (SAE net, estimated)	165 lb.-ft. (224 N•m) @ 4,400 rpm
Maximum Engine Speed	6,500 rpm (electronically limited)
Fuel Requirement	Unleaded regular, 87 octane (R+M)/2
Oil Capacity	5.0 qt. (4.7 liter) SAE 5W/20
Coolant Capacity	7.2 qt. (6.8 liter)
Emission Controls	Single catalytic converter, 2WD, Dual catalytic converter, 4WD Dual heated oxygen sensors and engine features
Smog-forming Pollution	0.9 g/mile (0.56 g/km) <sup>(c)</sup>
Maximum Gross Trailer Weight	1000 lbs. (450 kg) 2000 lbs. (900 kg) — with Trailer-tow Prep Group
EPA Fuel Economy mpg (city/hwy)	23/28 — 2WD with five-speed manual transaxle 21/27 — 2WD with CVT2 23/28 — 4WD with five-speed manual transaxle 21/26 — Freedom Drive I 4WD with CVT2 20/23 — Freedom Drive II (Off-road package) 4WD with CVT2L

<sup>(c)</sup> NMOG + NOX emission limits under ULEV II and Tier 2, Bin 5 emission requirements.

**TRANSAXLE: MANUAL MAGNA DRIVELINE T355 FIVE-SPEED**

Availability	Standard — 2.0-liter engine Standard — 2.4-liter engine
Description	5-speed, overdrive, synchronized in all forward ratios, cable-operated, 3-plane shifter
Gear Ratios	
1st	3.77
2nd	2.16
3rd	1.41
4th	1.026
5th	0.72
Reverse	3.417
Final-drive Ratio	4.12
Overall Top-gear	2.97

**TRANSAXLE: AUTOMATIC JATCO MODEL CVT2 WITH AUTO STICK**

Availability	Optional — 2.0-liter engine Optional — 2.4-liter engine
Description	Continuously variable ratio, lockup torque converter, electronic controls
Gear Ratios	
Forward	2.349:1 to 0.394:1 continuously variable
Reverse	1.75:1
Final-drive Ratio	2.0-liter engine 6.12:1; 2.4-liter engine 5.798 with 2.4 liter and Freedom Drive I 8.14 with 2.4-liter engine and Freedom Drive II
Overall Top-gear Ratio	2.411; 2.28 with 2.4-liter engine and Freedom Drive I
Auto Stick	Standard with CVT2

**TRANSAXLE: AUTOMATIC JATCO MODEL CVT2L (Freedom Drive II)**

Availability	Optional on Sport 4WD with 2.4-liter engine
Description	Continuously variable ratio, lockup torque converter, electronic controls
Gear Ratios	
Forward	2.349:1 to 0.394:1 continuously variable
Reverse	1.75:1
Final-drive Ratio	8.135:1
Overall Top-gear Ratio	3.21:1
Effective Maximum Low-gear Ratio	19.11:1

**DRIVETRAIN**

Front-wheel Drive	
Availability	Standard
Front Differential	Open
Four-wheel Drive	
Availability	Optional
Type	Electronically-controlled coupling (ECC) with four-wheel-drive lock
Rear Differential	Open

**ELECTRICAL SYSTEM**

Alternator	120-amp; 140-amp with CVT2L (Freedom Drive II)
Battery	525 CCA, maintenance-free

**SUSPENSION**

Front	Independent MacPherson strut, coil spring over gas-charged shock absorbers and stabilizer bar
Rear	Multi-link independent with coil springs, link-type stabilizer bar, gas-charged shock absorbers

**STEERING**

Type	Rack-and-pinion with hydraulic power assist
Overall Ratio	16.4:1
Turning Diameter (curb-to-curb)	17-in. wheels and tires — 35.6 ft. (10.8 m) 18-in. wheels and tires — 37.2 ft. (11.3 m)
Steering Turns (lock-to-lock)	17-in. wheels and tires — 2.88 18-in. wheels and tires — 2.76

**BRAKES**

Availability	Standard on 4x2 Sport
Front	
Size and Type	11.5 x 1.0 (294 x 26) vented disc with 2.2 (57) single-piston floating caliper
Swept Area	223.52 sq. in. (1442.12 sq. cm)
Rear	
Size and Type	9.0 x 1.38 (229 x 35) drums
Swept Area	78.1 sq. in. (503 sq. cm)
Power-assist Type	10 (254) single-diaphragm vacuum
Anti-lock Brake System (ABS)	Standard
Electronic Stability Control (ESC)	Standard
Hill-start Assist (HSA)	Standard with manual transmission

Availability	Standard on 4x4 Compass, Latitude and Limited, optional on 4x2 Limited
<b>Front</b>	
Size and Type	11.5 x 1.0 (294 x 26) vented disc with 2.2 (57) single-piston floating caliper
Swept Area	223.52 sq. in. (1442.12 sq. cm)
<b>Rear</b>	
Size and Type	10.3 x 0.39 (262 x 10) solid disc with 1.4 (35) single-piston floating caliper
Swept Area	138.64 sq. in. (894.6 sq. cm)
Power-assist Type	10 (254) single-diaphragm vacuum
Anti-lock Brake System (ABS)	Standard
Electronic Stability Control (ESC)	Standard
Hill-start Assist (HSA)	Standard with manual transmission and Freedom Drive II Off-Road Package
Off-road Brake-traction Control System (BTCS)	Included with Freedom Drive II Off-Road Package
Hill-descent Control (HDC)	Included with Freedom Drive II Off-Road Package

#### **DIMENSIONS AND CAPACITIES<sup>(d)</sup>**

Wheelbase	103.7 (2635)
Track, Front	59.8 (1520)
Track, Rear	59.8 (1520)
Overall Length	175.1 (4448)
Overall Width	71.4 (1812)
Overall Height	65.0 (1651)
Overhang, Front	36.1 (916)
Overhang, Rear	35.3 (897)
Approach Angle with P215/60/R17 Tire (degrees)	19.5
Breakover Angle with P215/60/R17 Tire (degrees)	20.6
Departure Angle with P215/60/R17 Tire (degrees)	28.5
Ground Clearance with P215/60/R17 Tire	8.1 (206)
Approach Angle with Freedom Drive II Off-road Package P215/65/R17 Tire (degrees)	29.6
Breakover Angle with Freedom Drive II Off-road Package P215/65/R17 Tire	23.6
Departure Angle with Freedom Drive II Off-road Package P215/65/R17 Tire	31.2
Ground Clearance with Freedom Drive II Off-road Package P215/65/R17 Tire	9.1 (231)
Aero (CdA)	10.5 — 2WD 10.6 — 4WD



## COMPASS SPECIFICATIONS

Curb Weight, lb. (kg)	Sport 2WD — 3101 (1407) 2.0-liter MTX Sport 4WD — 3261 (1479) 2.4-liter MTX Limited 2WD — 3258 (1478) 2.4-liter ATX Limited 4WD — 3403 (1544) 2.4-liter ATX
Weight Distribution, percent F/R	59/41 — 2WD 58/42 — 4WD
Fuel Tank Capacity, gal. (L)	13.6 (51.5) — 2WD; 13.5 (51.1) — 4WD

<sup>(d)</sup> All dimensions measured at curb weight with standard tires.

### ACCOMMODATIONS

Seating Capacity, F/R	2/3
Front	
Head Room without Sunroof	40.7 (1033)
Legroom	40.6 (1032)
Shoulder Room	54.6 (1387)
Hip Room	52.3 (1328)
Seat Travel	Driver — 10.2 (260); Passenger — 10.2 (260)
Recliner Angle Range (degrees)	Driver — up to 88 Passenger — 76 fold-flat/88 non-fold-flat
SAE Front Seat Volume Index, cu. ft. (cu. m)	52.2 (1.478)
Rear	
Head Room	39.9 (1013)
Legroom	39.4 (1001)
Knee Clearance	1.7 (44.1)
Shoulder Room	54.0 (1372)
Hip Room	51.0 (1295)
SAE Rear-Seat Volume Index, cu. ft. (cu. m)	49.1 (1.391)
SAE Interior Volume, cu. ft. (cu. m)	101.3 (2.87)
Cargo Volume Indexes	
Rear Seats Up, cu. ft. (cu. m)	22.7 (0.643)
Rear Seats Folded, cu. ft. (cu. m)	53.6 (1.519)
EPA Interior Volume Index, cu. ft. (cu. m)	124 (3.512)
Trunk Lift-over Height	30.5 (775)
Cargo Volume with Front Passenger Seat and Rear Seat Folded, cu. ft. (cu. m)	62.7 (1.776)
Minimum Cargo Width at Liftgate Opening	38.5 (976)
Minimum Cargo Height at Liftgate Opening	25.0 (634)
Maximum Cargo Width at Liftgate Opening	45.3 (1150)
Maximum Cargo Height at Liftgate Opening	26.7 (681)
Distance Between Wheelhouse Interior Trim	38.0 (966)



## COMPASS SPECIFICATIONS

### WHEELS

Availability	Standard on Sport, and Latitude with 2.0-liter engine
Type and Material	Full Painted Aluminum
Size	16 x 6.5
Availability	Standard on Sport, Latitude with 2.4-liter engine, optional with 2.0-liter
Type and Material	Full Painted Aluminum
Size	17 x 6.5
Availability	Standard on Limited
Type and Material	Full Painted Aluminum
Size	18 x 7.0
Availability	Optional on Limited
Type and Material	Chrome-clad Aluminum
Size	18 x 7.0

### TIRES

Availability	Standard on Sport, Latitude with 2.0-liter engine
Size and Type	P205/70R16 BSW All-season Touring
Manufacturer and Model	Goodyear Eagle LS
Revs per Mile	763 (475)
Availability	Standard on Sport, Latitude
Size and Type	P215/60R17 BSW All-season Touring
Manufacturer and Model	Firestone Affinity S3
Revs per Mile	771 (479)
Availability	Standard on Limited
Size and Type	P215/55R18 All-season Performance
Manufacturer and Model	Firestone Firehawk GTA 03
Revs per Mile	765 (476)
Availability	Optional on Sport, Latitude
Size and Type	P215/65R17 outlined white letter (OWL) all-terrain
Manufacturer and Model	Goodyear Wrangler GTA 03
Revs per Mile	743 (462)

• • •