

2011 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

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

Availability	Standard on Compass 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 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. (4.7L) SAE 5W/20
Coolant Capacity	7.2 qt. (6.8L)
Emission Controls	Single catalytic converter, dual heated oxygen sensors and engine features 0.9 g/mile (0.56 g/km) ^(c)
EPA Fuel Economy mpg (City/Hwy) 2011 EPA standards	23/29 — 2WD with five-speed manual transaxle 23/27 — 2WD CVT

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

Availability	Standard on Limited models, Compass and Latitude 4x4 models, Available on Compass 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. (4.7L) SAE 5W/20
Coolant Capacity	7.2 qt. (6.8L)
Emission Controls	Single catalytic converter, FWD, Dual catalytic converter, 4WD Dual heated oxygen sensors and engine features
Smog-forming Pollution	0.9 g/mile (0.56 g/km) ^(c)
Maximum Gross Trailer Weight	1000 lbs. (450 kg) 2000 lbs. (900 kg) — with Trailer-tow Prep Group
EPA Fuel Economy mpg (City/Hwy) (2011 EPA Standards)	23/28 — 2WD with five-speed manual transaxle 21/27 — 2WD with CVT2 22/28 — 4WD with five-speed manual transaxle 21/26 — Freedom Drive I 4WD with CVT2 20/23 — Freedom Drive II 4WD with CVT2L

^(c) NMOG + NOX emission limits under ULEV II and Tier 2, Bin 5 emission requirements.

TRANSAXLE: MANUAL MAGNA DRIVELINE T355 5-SPEED

Availability	Standard — 2.0L engine Standard — 2.4L 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	3.34

TRANSAXLE: AUTOMATIC JATCO MODEL CVT2 WITH AUTO STICK

Availability	Optional — 2.0L engine Optional — 2.4L engine
Description	Continuously variable ratio, lockup torque converter, electronic controls
Gear Ratios	
Forward	2.349:1 to 0.394:1 continuously variable
Reverse	1.762:1
Final-drive Ratio	2.0L 6.12:1; 2.4L 5.798 with 2.4L and Freedom Drive I 8.14 with 2.4L and Freedom Drive II
Overall Top-gear Ratio	2.411; 2.28 with 2.4L and Freedom Drive I; 3.21 with 2.4L and Freedom Drive II
Auto Stick	Standard with CVT2

TRANSAXLE: AUTOMATIC JATCO MODEL CVT2L

Availability	Optional on Compass 4WD with 2.4L 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
Four-wheel Drive	
Availability	Optional
Type	Electronically-controlled Coupling (ECC) with Off-road Four-wheel-drive lock
Rear Differential	Open

**ELECTRICAL SYSTEM**

Alternator	120-amp
Battery	525 CCA, maintenance-free

DIMENSIONS AND CAPACITIES^(d)

Wheelbase	103.7 (2635)
Track, Front	59.8 (1520)
Track, Rear	59.8 (1520)
Overall Length	173.4 (4404)
Overall Width	69.3 (1760)
Overall Height	65.2 (1631)
Overhang, Front	34.5 (877)
Overhang, Rear	35.2 (892)
Approach Angle with P215/60/R17 Tire	20.1°
Breakover Angle with P215/60/R17 Tire	20.3°
Departure Angle with P215/60/R17 Tire	31.4°
Ground Clearance with P215/60/R17 Tire	8.1 (206)
Approach Angle with P215/65/R17 Tire	20.6°
Breakover Angle with P215/65/R17 Tire	21.0°
Departure Angle with P215/65/R17 Tire	32.2°
Ground Clearance with P215/65/R17 Tire	8.4 (213)
Aero (CdA)	10.5 — 2WD 10.6 — 4WD
NAFTA Curb Weight, lb. (kg)	Compass 2WD — 3082 (1398) Compass 4WD — 3247 (1382) Limited 2WD — 3160 (1433) Limited 4WD — 3325 (1508)
Weight Distribution, percent F/R	59/41 — 2WD; 57/43 — 4WD
Fuel Tank Capacity, gal. (L)	13.6 (51.5) — 2WD; 13.5 (51.1) — 4WD

^(d) 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	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 (999)
Knee Clearance	1.7 (44.1)
Shoulder Room	54.0 (1371)
Hip Room	51.0 (1297)
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 (781.5)
Cargo Volume with Front Passenger Seat and Rear Seat Folded, cu. ft. (cu. m)	60.7 (1.719)
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)

BODY AND CHASSIS

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

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

WHEELS

Availability	Standard on Compass, Latitude
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 Compass, 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 Compass, Latitude
Size and Type	P215/65R17 outlined white letter (OWL) all-terrain
Manufacturer and Model	Goodyear Wrangler GTA 03
Revs per Mile	743 (462)

BRAKES

Availability	Standard on 4x2 Sport
Front	
Size and Type	11.5 x 1.0 in. (294 x 26 mm) vented disc with 2.2 in. (57 mm) single-piston floating caliper
Swept Area	223.52 sq. in. (1442.12 sq. cm)
Rear	
Size and Type	9.0 x 1.38 in. (229 x 35) drums
Swept Area	78.1 sq. in. (503 sq. cm)
Power-assist Type	10-in. (254-mm) 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
Front	
Size and Type	11.5 x 1.0 in. (294 x 26 mm) vented disc with 2.2 in. (57 mm) single-piston floating caliper
Swept Area	223.52 sq. in. (1442.12 sq. cm)
Rear	
Size and Type	10.3 x 0.39 in. (262 x 10) solid disc with 1.4 in. (35 mm) single-piston floating caliper
Swept Area	138.64 sq. in. (894.6 sq. cm)
Power-assist Type	10-in. (254-mm) single-diaphragm vacuum
Anti-lock Brake System (ABS)	Standard
Electronic Stability Control (ESC)	Standard

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