



# 500 & 500c SPECIFICATIONS

## 2013 FIAT 500 & 500c SPECIFICATIONS

Dimensions are in inches (millimeters) unless otherwise noted.

### GENERAL INFORMATION

Vehicle Type	A-segment hatchback or cabrio
EPA Vehicle Class	Mini-compact
Assembly Plant	Toluca, Mexico
Introduction Date	Spring 2011 as a 2012 model

### BODY/CHASSIS

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

### ENGINE: 1.4-LITER SOHC 16-VALVE MULTI-AIR INLINE FOUR-CYLINDER

Availability	Standard — Fiat 500 and 500c Pop, Sport and Lounge
Type and Description	Inline four-cylinder, liquid-cooled
Displacement	83.48 cu. in. (1368 cu. cm)
Bore x Stroke	2.83 x 3.31 in. (72.0 x 84.0 mm)
Valve System	Belt-driven, MultiAir <sup>®</sup> , SOHC, 16 valves, hydraulic end-pivot roller rockers
Fuel Injection	Sequential, multi-port, electronic, returnless
Construction	Cast iron block with aluminum-alloy heads and aluminum-alloy bedplate
Compression Ratio	10.8:1
Power (SAE net)	101 bhp (75 kW) @ 6,500 rpm (73.8 bhp/L)
Torque (SAE net)	98 lb.-ft. (133 N•m) @ 4,000 rpm
Max. Engine Speed	6,900 rpm (electronically limited)
Fuel Requirement	87 octane (R+M)/2 acceptable 91 octane recommended
Oil Capacity	4.0 qt. (3.8L) with dry filter
Coolant Capacity	4.6 qt. (14.4L)
Emission Controls	Dual three-way catalytic converters, heated oxygen sensors and internal engine features <sup>(a)</sup>
Max. Gross Trailer Weight	Not rated for trailer tow
EPA Fuel Economy mpg (city/hwy)	Fiat 500 Pop, Sport and Lounge: 31/40 (5-speed manual) - estimated 27/34 (6-speed automatic)  Fiat 500c Pop and Lounge: 31/40 (5-speed manual) - estimated 27/34 (6-speed automatic)
Engine Assembly Plant	Dundee, Mich.

(a) Meets Federal Tier 2 Bin 5 emission requirements and LEV II requirements in California, Massachusetts, New York, Maine, Vermont, Connecticut, Pennsylvania, Rhode Island, New Jersey, Oregon and Washington.



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### ENGINE: 1.4-LITER SOHC 16-VALVE TURBOCHARGED MULTI-AIR INLINE FOUR-CYLINDER

Availability	Standard — Fiat 500 Turbo
Type and Description	Inline four-cylinder, liquid-cooled, turbocharged
Displacement	83.48 cu. in. (1368 cu. cm)
Bore x Stroke	2.83 x 3.31 in. (72.0 x 84.0 mm)
Valve System	Belt-driven, MultiAir, SOHC, 16 valves, hydraulic end-pivot roller rockers
Fuel Injection	Sequential, multi-port, electronic, returnless
Construction	Cast-iron block with aluminum-alloy head and aluminum-alloy bedplate
Compression Ratio	9.8:1
Maximum Turbo Boost (psi / bar)	18 psi / 1.24 bar
Power (SAE)	135 bhp (101 kW) @ 5,500 rpm (98.7 bhp/L)
Torque (SAE)	150 lb.-ft. (203 N•m) @ 2,500-4,000 rpm
Max. Engine Speed	6,500 rpm (electronically limited)
Fuel Requirement	87 octane (R+M)/2 acceptable 91 octane recommended
Oil Capacity	4.0 qt. (3.8L) with dry filter
Coolant Capacity	4.6 qt. (14.4L)
Emission Controls	Dual three-way catalytic converters, heated oxygen sensors and internal engine features <sup>(a)</sup>
Max. Gross Trailer Weight	Not rated for trailer tow
Estimated EPA Fuel Economy mpg (city/highway/combined)	28 / 34 / 31
Engine Assembly Plant	Dundee, Mich.

(a) Meets Federal Tier 2 Bin 5 emission requirements and LEV II requirements in California, Massachusetts, New York, Maine, Vermont, Connecticut, Pennsylvania, Rhode Island, New Jersey, Oregon and Washington.

### TRANSMISSION: C514 FIVE-SPEED MANUAL

Availability	Standard on 500 and 500c Pop, Sport and Lounge models
Description	1st, 2nd gear: Double Cone 3rd, 4th, 5th, gear: Single Cone
Gear Ratios	
1 <sup>st</sup>	3.909
2 <sup>nd</sup>	2.174
3 <sup>rd</sup>	1.345
4 <sup>th</sup>	0.974
5 <sup>th</sup>	0.766
Reverse	3.818
Final-drive Ratio	3.44 (500 and 500c Pop and Lounge) 3.73 (500 Sport)
Overall Top Gear	2.63 (500 and 500c Pop and Lounge) 2.85 (500 Sport)



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### TRANSMISSION: AISIN AUTOMATIC SIX-SPEED OVERDRIVE WITH AUTO STICK

Availability	Optional on 500 and 500c Pop, Sport and Lounge models
Description	Auto Stick driver-interactive manual control and electronically modulated torque converter clutch
Gear Ratios	
1 <sup>st</sup>	4.044
2 <sup>nd</sup>	2.371
3 <sup>rd</sup>	1.556
4 <sup>th</sup>	1.159
5 <sup>th</sup>	0.852
6 <sup>th</sup>	0.672
Reverse	3.193
Final Drive Ratio	4.103
Overall Top Gear	6.01

### TRANSMISSION: C510 PERFORMANCE FIVE-SPEED MANUAL

Availability	Standard on Fiat 500 Turbo
Description	1st, 2nd gear: Double Cone 3rd, 4th, 5th, gear: Single Cone
Gear Ratios	
1 <sup>st</sup>	3.909
2 <sup>nd</sup>	2.238
3 <sup>rd</sup>	1.520
4 <sup>th</sup>	1.156
5 <sup>th</sup>	0.872
Reverse	3.909
Final-drive Ratio	3.353
Overall Top Gear	2.92

### ELECTRICAL SYSTEM

Alternator	105-amp — Standard on 500 Pop (with automatic transmission) and 500c Pop, Sport and Lounge models
	120-amp — Standard on 500 Pop (with manual transmission) and 500 Turbo
Battery	500 CCA, maintenance free



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### SUSPENSION

Front	MacPherson suspension, coil spring with twin-tube shock absorbers and stabilizer bar — included with 500 Pop and 500 Lounge Sport-tuned shock absorbers and springs — included with 500 Sport Sport-tuned shock absorbers, springs and performance-designed lower-control arm — included with 500 Turbo
Rear	Rear twist-beam axle with coil springs and twin-tube shock absorbers — included with 500 Pop and 500 Lounge Sport-tuned shock absorbers and springs — included with 500 Sport and 500 Turbo

### STEERING

Type	Power rack and pinion with electric power steering (EPS) column
Overall Ratio	16.3:1
Turning Diameter (curb-to-curb)	30.6 ft. (9.32 m)
Steering Turns (lock-to-lock)	3.0

### BRAKES

Availability	Standard on 500 and 500c Pop and Lounge, 500 Sport
Front	
Rotor size and type	10.1 x 0.86 (257 x 22) vented
Caliper size and type	2.12 (54) single-piston with aluminum housing
Swept area	193 sq. in. (1,244 sq. cm)
Rear	
Rotor size and type	9.4 x 0.4 (240 x 11) solid
Caliper size and type	1.33 (34) single-piston with aluminum housing
Swept area	153 sq. in. (984 sq. cm)
Availability	Standard on 500 Turbo
Front	
Rotor size and type	11.1 x 0.86 (282 x 22) vented
Caliper size and type	2.12 (54) single-piston with aluminum housing
Swept area	193 sq. in. (1,244 sq. cm)
Rear	
Rotor size and type	9.4 x 0.4 (240 x 11) solid
Caliper size and type	1.33 (34) single-piston with aluminum housing
Swept area	153 sq. in. (984 sq. cm)



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### DIMENSIONS AND CAPACITIES<sup>(D)</sup>

Wheelbase	90.6 (2,300)
Track, Front	500 — 55.4 (1,406.8) 500c — 55.4 (1,406.8) 500 Turbo — 55.4 (1,406.8)
Track, Rear	500 — 55.0 (1,397.0) 500c — 55.0 (1,397.0) 500 Turbo — 55.0 (1,397.0)
Overall Length	500 — 139.6 (3,546.7) 500c — 139.6 (3,546.7) 500 Turbo — 144.4 (3,667.3)
Overall Width	64.1 (1,627.0)
Overall Height	500 — 59.8 (1,519) 500c — 59.8 (1,519) 500 Turbo — 59.8 (1,519)
Ground Clearance	500 Pop — 4.1 (104.0) 500 Sport and Lounge — 4.1 (104.0) 500c — 4.6 (118.0) 500 Turbo — 4.1 (104.0)
Drag Coefficient (Cd)	500 Pop — 0.332 500 Sport — 0.362 500 Lounge — 0.359 500c Pop and Lounge — 0.364 500 Turbo — 0.362
Curb Weight, lb. (kg)	500 with 5-MTX — 2,363 (1,074) 500 with 6-ATX — 2,434 (1,106) 500c with 5-MTX — 2,411 (1,094) 500c with 6-ATX — 2,486 (1,130) 500 Turbo — 2,477 (1,124)
Weight Distribution, percent F/R	500 with 5-MTX — 64/36 500 with 6-ATX — 66/34 500c with 5-MTX — 62/38 500c with 6-ATX — 63/37 500 Turbo — 65/35
Fuel Tank Capacity, gal. (L)	10.5 (40)

(d) All dimensions measured at curb weight with standard tires.



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### ACCOMMODATIONS

Seating Capacity, F/R	2/2
Front Seat	
Head room	38.9 (989.1) 37.6 (956.3) with sunroof
Legroom	40.7 (1,034.8)
Shoulder room	49.4 (1,254.8)
Hip room	47.9 (1,215.4)
Total seat travel	Driver — 8.2 (210.0) Passenger — 8.2 (210.0)
EPA front row interior volume	43.8 cu. ft. (1.239 cu. m)
Rear Seat	
Head room	35.6 (902.9)
Legroom	31.7 (805.1)
Knee clearance	3.8 (96.5)
Shoulder room	46.4 (1,177.5)
Hip room	1083.1 (42.6)
EPA second row interior volume	30.2 cu. ft. (0.854 cu. m)
Total Interior Volume	85.1 cu. ft. (2.409 cu. m)
EPA Luggage Compartment Volume	9.5 cu. ft. (0.269 cu. m)
EPA Interior Volume Index	75.6 cu. ft. (2.140 cu. m)
Trunk Liftover Height	27.7 (703.6)

### TIRES

Availability	Standard on 500 Pop and 500 Lounge
Size and type	185/55R15 BSW All-season
Mfr. and model	Continental ContiProContact or Firestone Firehawk GTH or Pirelli Cinturato P7 A/S
Revs per mile (km)	906 (563)
Availability	Standard on 500 Sport and 500 Turbo
Size and type	195/45R16XL BSW All-season
Mfr. and model	Pirelli Cinturato P7 A/S or Continental ContiProContact
Revs per mile (km)	901 (560) or 911 (566)



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### WHEELS

Availability	Standard on 500 and 500c Pop
Type and material	Steel wheels with tech silver painted wheel covers
Size	15 x 6.0
Availability	Optional on 500 and 500c Pop
Type and material	Cast-aluminum, five oval spoke design, fully painted tech silver
Size	15 x 6.0
Availability	Standard on 500 Lounge
Type and material	Cast-aluminum, nine split-spoke design, fully painted tech silver
Size	15 x 6.0
Availability	Standard on 500c Lounge
Type and material	Cast-aluminum, seven split-spoke design, fully painted tech silver
Size	15 x 6.0
Availability	Optional on 500 and 500c Lounge
Type and material	Cast-aluminum premium finish, radial design, fully painted premium silver
Size	15 x 6.0
Availability	Standard on 500 Sport
Type and material	Cast-aluminum, polished face with dark mineral gray painted pockets
Size	16 x 6.5
Availability	Standard on 500 Turbo
Type and material	Cast-aluminum, polished face with gloss black painted pockets
Size	16 x 6.5

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