



# 500c • Specifications

## 2012 FIAT 500c SPECIFICATIONS

Dimensions are in inches (millimeters) unless otherwise noted.

### GENERAL INFORMATION

Body Style	A-segment convertible
Assembly Plant	Toluca, Mexico
EPA Vehicle Class	Subcompact
Introduction Date	Spring 2011 as a 2012 model

### ENGINE: 1.4-LITER SOHC 16-VALVE MULTIAIR® INLINE FOUR-CYLINDER

Availability	Standard — Fiat 500c Pop 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®, 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
Estimated EPA Fuel Economy mpg (City/Hwy)	30/38 (5-speed manual) 27/32 (6-speed automatic)
Engine Assembly Plant	GEMA Engine Plant, Dundee, Mich.

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



# 500c • Specifications

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

Availability	Standard on 500c Lounge Optional on 500c Pop
Description	Auto Stick driver-interactive manual control and electronically modulated torque converter clutch
<b>Gear Ratios</b>	
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: C514 FIVE-SPEED MANUAL

Availability	Standard on 500c Pop
Description	1st, 2nd gear: Double Cone 3rd, 4th, 5th, gear: Single Cone
<b>Gear Ratios</b>	
1 <sup>st</sup>	3.909
2 <sup>nd</sup>	2.158
3 <sup>rd</sup>	1.345
4 <sup>th</sup>	0.974
5 <sup>th</sup>	0.766
Reverse	3.818
Final-drive Ratio	3.733

## ELECTRICAL SYSTEM

Alternator	105-amp — Standard all
Battery	500 CCA, maintenance free



# 500c • Specifications

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

Wheelbase	90.6 (2,300)
Track, Front	55.4 (1,406)
Track, Rear	55.0 (1,397)
Overall Length	139.6 (3,546)
Overall Width	64.1 (1,627)
Overall Width (with side mirrors)	73.5 (1866)
Overall Height	59.8 (1,519)
Ground Clearance	4.6 (118.0)
Drag Coefficient (Cd)	0.38
Curb Weight, lb. (kg)	2,416 (1,098) — 5-MTX 2,486 (1,130) — 6-ATX
Weight Distribution, percent F/R	62/38 — 5-MTX 63/37 — 6-ATX
Fuel Tank Capacity, gal. (L)	10.5 (40)

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

## ACCOMMODATIONS

Seating Capacity, F/R	2/2
Front Seat	
Head room	38.6 (979.9)
Legroom	40.7 (1,034)
Shoulder room	49.4 (1,254)
Hip room	47.9 (1,215)
Total seat travel	Driver — 8.2 (210) Passenger — 8.2 (210)
EPA front row interior volume, cu. ft. (cu. m)	44.9 (1.27)
Rear Seat	
Head room	36.8 (933.9)
Legroom	31.7 (805)
Shoulder room	46.4 (1,177)
Hip room	42.0 (1083.1)
EPA second row interior volume, cu. ft. (cu. m)	31.3 (0.886)
Total Interior Volume, cu. ft. (cu. m)	81.6 (2.31)
EPA Luggage Compartment Volume, cu. ft. (cu. m)	5.4 (0.152)
EPA Interior Volume Index, cu. ft. (cu. m)	76.2 (2.157)
Trunk Lifter Height	27.7 (703)



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## BODY

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

## SUSPENSION

Front	MacPherson suspension, coil spring with twin-tube shock absorbers and stabilizer bar
Rear	Rear twist-beam axle with coil springs and twin-tube shock absorbers

## 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

## TIRES

Availability	Standard on 500c Pop and 500c 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)

## WHEELS

Availability	Standard on 500c Pop
Type and material	Steel wheels with tech silver painted wheel covers
Size	15 x 6.0
Availability	Optional on 500c Pop
Type and material	Cast-aluminum, five oval 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 500c Lounge
Type and material	Cast-aluminum premium finish, radial design, fully painted premium silver
Size	15 x 6.0



# 500c • Specifications

## BRAKES

### 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)

