

2013 Fiat 500 Abarth and 500c Abarth SPECIFICATIONS

Dimensions are in inches (millimeters) unless otherwise noted.

GENERAL INFORMATION

Vehicle Type	A-segment hatchback (500) and cabrio (500c)
EPA Vehicle Class	Mini-compact
Assembly Plant	Toluca, Mexico
Original Introduction Date	Fiat 500 Abarth: Spring 2012 as a 2012 model Fiat 500c Abarth: Spring 2013 as a 2013 model

BODY/CHASSIS

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

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

Availability	Standard — Fiat 500 Abarth and 500c Abarth
Type and Description	Inline four-cylinder, liquid-cooled, turbocharged
Displacement	83.48 cu. in. (1,368 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)	160 bhp (119 kW) @ 5,500 rpm (117 bhp/liter)
Torque (SAE)	170 lb.-ft. (230 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. (3.8 liter) with dry filter
Coolant Capacity	4.6 qt. (14.4 liter)
Emission Controls	Dual three-way catalytic converters, heated oxygen sensors and internal engine features ^(a)
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: C510 PERFORMANCE FIVE-SPEED MANUAL

Availability	Standard on Fiat 500 Abarth and 500c Abarth
Description	1st, 2nd gear: Double Cone 3rd, 4th, 5th, gear: Single Cone
Gear Ratios	
1 st	3.909
2 nd	2.238
3 rd	1.520
4 th	1.156
5 th	0.872
Reverse	3.909
Final-drive Ratio	3.353

ELECTRICAL SYSTEM

Alternator	120-amp
Battery	500 CCA, maintenance free

SUSPENSION

Front	MacPherson suspension, coil spring with KONI frequency selective damping (FSD) twin-tube struts and stabilizer bar
Rear	Rear twist-beam axle with coil springs and twin-tube shock absorbers with 0.86 (22 mm) solid stabilizer bar

STEERING

Type	Power rack and pinion with electric power steering (EPS) column
Overall Ratio	15.5:1
Turning Diameter (curb-to-curb)	37.6 ft. (11.45 m)
Steering Turns (lock-to-lock)	2.3

BRAKES

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	1.33 (34) single-piston with aluminum housing
Caliper size and type	153 sq. in. (984 sq. cm)
Swept area	11.1 x 0.86 (282 x 22) vented

DIMENSIONS AND CAPACITIES^(b)

Wheelbase	90.6 (2,300)
Track, Front	55.4 (1,406.8)
Track, Rear	55.0 (1,397.0)
Overall Length	144.4 (3,667.3)
Overall Width	64.1 (1,627.0) 73.5 (1,866.0) with side mirrors
Overall Height	500 Abarth: 59.2 (1,502) to antenna base 500 Abarth: 58.7 (1,490) to roof 500c Abarth: 59.2 (1,504) to roof
Ground Clearance	500 Abarth: 4.1 (103.7) 500c Abarth: 4.6 (117.2)
Drag Coefficient (Cd)	500 Abarth: 0.352 — with 16-in. wheels 500 Abarth: 0.365 — with 17-in. wheels 500c Abarth: 0.352 — with 16-in. wheels 500c Abarth: 0.365 — with 17-in. wheels
Curb Weight, lb. (kg)	500 Abarth: 2,512 (1,141.8) 500c Abarth: 2,545 (1,154.2)
Weight Distribution, percent F/R	500 Abarth: 64/36 500c Abarth: 64/36
Fuel Tank Capacity, gal. (liter)	10.5 (40)

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

ACCOMMODATIONS (Estimated)

Seating Capacity, F/R	2/2
Front Seat	
Head room	500 Abarth: 38.9 (989.1) 500 Abarth: 37.6 (956.3) with sunroof 500c Abarth: 38.6 (979.9)
Legroom	500 Abarth: 40.7 (1,034.8) 500c Abarth: 40.7 (1,034.8)
Shoulder room	500 Abarth: 49.4 (1,254.8) 500c Abarth: 49.4 (1,254.8)
Hip room	500 Abarth: 47.8 (1,215.3) 500c Abarth: 47.8 (1,215.3)
Total seat travel	500 Abarth: Driver — 8.2 (210.0) 500 Abarth: Passenger — 8.2 (210.0)
EPA front row interior volume, cu. ft. (cu. m)	500 Abarth: 45.3 (1.282) 500c Abarth: 44.9 (1.27)
Rear Seat	
Head room	500 Abarth: 35.5 (902.9) 500c Abarth: 36.8 (933.9)
Legroom	500 Abarth: 31.7 (805.1) 500c Abarth: 31.7 (805.1)
Shoulder room	500 Abarth: 46.4 (1,177.5)

	500c Abarth: 46.4 (1,178.5)
Hip room	500 Abarth: 42.6 (1,083.1) 500c Abarth: 42.6 (1,083.1)
EPA second row interior volume, cu. ft. (cu. m)	500 Abarth: 30.2 (0.856) 500c Abarth: 31.3 (0.886)
Total Interior Volume, cu. ft. (cu. m)	500 Abarth: 75.5 (2.137) 500c Abarth: 76.2 (2.159)
EPA Luggage Compartment Volume, cu. ft. (cu. m)	500 Abarth: 9.5 (0.268) 500 Abarth: 26.8 (0.759) with rear seats folded 500c Abarth: 5.4 (0.152) 500c Abarth: 23.4(0.663) with rear seats folded
EPA Interior Volume Index, cu. ft. (cu. m)	500 Abarth: 84.9 (2.405) 500c Abarth: 81.6 (2.31)
Trunk Liftover Height	500 Abarth: 27.2 (690.2) 500c Abarth: 27.7 (705.0)

WHEELS

Availability	Standard on Fiat 500 Abarth and 500c Abarth
Type and material	Cast-aluminum, fully painted
Size	16 x 6.5
Availability	Optional on Fiat 500 and 500c Abarth
Type and material	Forged-aluminum with Hyper Black or optional Bianco painted
Size	17 x 7.0

TIRES

Availability	Standard on Fiat 500 Abarth and 500c Abarth
Size and type	195/45R16 XL 84V BSW all-season
Mfr. and model	Pirelli Cinturato P7 A/S
Revs per mile (km)	901 (560)
Availability	Optional on Fiat 500 Abarth
Size and type	205/40R17 XL 84W BSW
Mfr. and model	Pirelli P-Zero Nero Three-season
Revs per mile (km)	877 (545)

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