



FIAT 500 ABARTH Specifications

New 2012 Fiat 500 Abarth

SPECIFICATIONS

Dimensions are in inches (millimeters) unless otherwise noted.

GENERAL INFORMATION

Body Style	A-segment hatchback
EPA Vehicle Class	Minicompact
Assembly Plant	Toluca, Mexico
Introduction Date	First half of 2012 as a 2012 model

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

Availability	Standard — Fiat 500 Abarth
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)	160 bhp (119 kW) @ 5,500 rpm (117 bhp/L)
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. (3.8L) with dry filter
Coolant Capacity	4.6 qt. (14.4L)
Emission Controls	Dual three-way catalytic converters, heated oxygen sensors and internal engine features ^(a)
Max. Gross Trailer Weight	Not rated for trailer tow
Estimated EPA Fuel Economy mpg (City/Highway/Combined)	28 / 34 / 31
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.



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TRANSMISSION: C510 PERFORMANCE FIVE-SPEED MANUAL

Availability	Standard on Fiat 500 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	140-amp
Battery	500 CCA, maintenance free

DIMENSIONS AND CAPACITIES^(B)

Wheelbase	90.6 (2300)
Track, Front	55.4 (1406.8)
Track, Rear	55.0 (1397.0)
Overall Length	144.4 (3667.3)
Overall Width	64.1 (1627.0) 73.5 (1866.0) with side mirrors
Overall Height	59.2 (1502.4) to antenna base 58.7 (1490.3) to roof
Ground Clearance	4.1 (103.7)
Drag Coefficient (Cd)	0.367
Curb Weight, lb. (kg)	2,512 (1141.8) — 5-MTX
Weight Distribution, percent F/R	64/36 — 5-MTX
Fuel Tank Capacity, gal. (L)	10.5 (40)

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



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ACCOMMODATIONS (Estimated)

Seating Capacity, F/R	2/2	
Front Seat		
Head room	38.9 (989.1) 37.6 (956.3) with sunroof	
Legroom	40.7 (1034.8)	
Shoulder room	49.4 (1254.8)	
Hip room	47.8 (1215.3)	
Total seat travel	Driver — 8.2 (210.0) Passenger — 8.2 (210.0)	
EPA front row interior volume, cu. ft. (cu. m)		45.3 (1.282)
Rear Seat		
Head room	35.5 (902.9)	
Legroom	31.7 (805.1)	
Knee clearance	3.8 (96.5)	
Shoulder room	46.4 (1177.5)	
Hip room	42.6 (1083.1)	
EPA second row interior volume, cu. ft. (cu. m)		30.2 (0.856)
Total Interior Volume, cu. ft. (cu. m)		84.9 (2.405)
EPA Luggage Compartment Volume, cu. ft. (cu. m)		9.5 (0.268) 26.8 (0.759) with rear seats folded
EPA Interior Volume Index, cu. ft. (cu. m)		75.5 (2.137)
Trunk Liftover Height		27.2 (690.2)

BODY

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

SUSPENSION

Front	MacPherson suspension, coil spring with KONI® Frequency Selective Damping (FSD) twin-tube shock absorbers 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



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TIRES

Availability	Standard on Fiat 500 Abarth
Size and type	195/45R16XL 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 BSW
Mfr. and model	Pirelli P-Zero Nero Three-season
Revs per mile (km)	877 (545)

WHEELS

Availability	Standard on Fiat 500 Abarth
Type and material	Cast-aluminum, polished face with dark mineral gray painted pockets
Size	16 x 6.5
Availability	Optional on Fiat 500 Abarth
Type and material	Forged-aluminum with Hyper Black or optional Bianco painted
Size	17 x 7.0

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	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)

