



## 2018 Fiat 500 / 500 Abarth **SPECIFICATIONS**

*Specifications are based on the latest product information available at the time of publication.  
All dimensions are in inches (millimeters) unless otherwise noted.  
All dimensions measured at curb weight with standard tires and wheels.*

### **GENERAL INFORMATION**

Vehicle Type	A-segment hatchback (500) or cabrio (500c)
EPA Vehicle Class	Mini-compact
Assembly Plant	Toluca, Mexico
Introduction Date	Spring 2011 as a 2012 model Fiat 500 Abarth: Spring 2012 as a 2012 model Fiat 500c Abarth: Spring 2013 as a 2013 model

### **BODY AND CHASSIS**

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

### **ENGINE: 1.4-LITER TURBOCHARGED MULTIAIR I-4**

Availability	Standard — Fiat 500 Pop and Lounge
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 (72.0 x 84.0)
Valve System	Belt-driven, MultiAir, SOHC, 16 valves, hydraulic end-pivot roller rockers
Fuel Injection	Sequential, multiport, 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 hp (101 kW) @ 5,500 rpm (98.7 bhp/liter)
Torque (SAE)	150 lb.-ft. (203 N•m) @ 2,400-4,200 rpm
Max. Engine Speed	6,500 rpm (electronically limited)
Fuel Requirement	87 octane (R+M)/2 acceptable 91 octane recommended
Oil Capacity	4.0 quarts (3.8 liters) with dry filter
Coolant Capacity	4.6 quarts (14.4 liters)



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Emission Controls	Dual three-way catalytic converters, heated oxygen sensors and internal engine features
Max. Gross Trailer Weight	Not rated for trailer tow
Estimated EPA Fuel Economy mpg (city/highway/combined)	28 / 33 / 30 with five-speed manual transmission 24 / 32 / 27 with six-speed automatic transmission
Engine Assembly Plant	Termoli, Italy

### ENGINE: 1.4-LITER TURBOCHARGED MULTI-AIR I-4

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 (72.0 x 84.0)
Valve System	Belt-driven, MultiAir, SOHC, 16 valves, hydraulic end-pivot roller rockers
Fuel Injection	Sequential, multiport, 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 hp (119 kW) @ 5,500 rpm (117 hp/liter) (with five-speed manual) 157 hp (117 kW) @ 5,500 rpm (114.8 hp/liter) (with six-speed automatic)
Torque (SAE)	170 lb.-ft. (230 N•m) @ 2,500-4,000 rpm (with five-speed manual) 183 lb.-ft. (248 N•m) @ 2,400-4,000 rpm (with six-speed automatic)
Max. Engine Speed	6,500 rpm (electronically limited)
Fuel Requirement	87 octane (R+M)/2 acceptable 91 octane recommended
Oil Capacity	4.0 quarts (3.8 liters) with dry filter
Coolant Capacity	4.6 quarts (14.4 liters)
Emission Controls	Dual three-way catalytic converters, heated oxygen sensors and internal engine features
Max. Gross Trailer Weight	Not rated for trailer tow
Estimated EPA Fuel Economy mpg (city/highway/combined)	28 / 33 / 30 with five-speed manual transmission 24 / 32 / 27 with six-speed automatic transmission
Engine Assembly Plant	Termoli, Italy



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### TRANSMISSION: C510 PERFORMANCE FIVE-SPEED MANUAL

Availability	Standard
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

### TRANSMISSION: AISIN SIX-SPEED AUTOMATIC

Availability	Optional
Description	Auto Stick driver-interactive manual control and electronically modulated torque converter clutch
Gear Ratios	
1 <sup>st</sup>	4.04
2 <sup>nd</sup>	2.37
3 <sup>rd</sup>	1.56
4 <sup>th</sup>	1.16
5 <sup>th</sup>	0.85
6 <sup>th</sup>	0.67
Reverse	3.19
Final-drive Ratio	3.50
Overall Top Gear	2.35

### ELECTRICAL SYSTEM

Alternator	120-amp
Battery	500 CCA, maintenance free



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### SUSPENSION

	Sport-tuned shock absorbers, springs and performance-designed lower-control arm — 500 Pop and Lounge
	MacPherson suspension, coil spring with KONI frequency selective damping (FSD) twin-tube struts and stabilizer bar — 500 Abarth
Rear	Sport-tuned shock absorbers and springs — 500 Pop and Lounge
	Rear twist-beam axle with coil springs and twin-tube shock absorbers with 0.86 (22 mm) solid stabilizer bar — 500 Abarth

### 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

Availability	Standard
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)

### DIMENSIONS AND CAPACITIES

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)



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Overall Height	500 Pop and Lounge — 59.8 (1,519)
	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 Pop and Lounge — 4.5 (114)
	500 Abarth — 4.1 (103.7)
	500c Abarth — 4.6 (117.2)
Drag Coefficient (Cd)	500 Pop and Lounge — 0.362
	500 Abarth — 0.352
Curb Weight, lb. (kg)	500 Pop and Lounge with five-speed manual — 2,505 (1,136)
	500 Pop and Lounge with six-speed automatic — 2,576 (1,168)
	500 Abarth — 2,512 (1,141.8)
	500c Abarth — 2,545 (1,154.2)
Weight Distribution, % F/R	500 Pop and Lounge with five-speed manual — 65/35
	500 Pop and Lounge with six-speed automatic — 66/34
	500 Abarth: 64/36
Fuel Tank Capacity, gallon (liter)	10.5 (40)

### ACCOMMODATIONS

Seating Capacity, F/R	2/2
Front Seat	
Headroom	500 — 38.9 (989.1)
	500 with sunroof — 37.6 (956.3)
	500c — 38.6 (980)
Legroom	40.7 (1,034.8)
Shoulder room	49.4 (1,254.8)
Hip room	47.8 (1,215.3)
Total seat travel	Driver — 8.2 (210.0)
	Passenger — 8.2 (210.0)
EPA front row interior volume	500 — 45.3 cu. ft. (1.282 cu. m)
	500c — 44.9 cu. ft. (1.272 cu. m)



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Rear Seat	
Headroom	500 — 35.6 (903)
	500c — 36.8 (934)
Legroom	31.7 (805.1)
Shoulder room	46.4 (1,177.5)
Hip room	42.6 (1,083.1)
EPA second row interior volume	500 — 30.2 cu. ft. (0.855 cu. m)
	500c — 31.3 cu. ft. (0.886 cu. m)
Total Passenger Interior Volume	500 — 75.5 cu. ft. (2.137 cu. m)
	500c — 76.2 cu. ft. (2.159 cu. m)
EPA Luggage Compartment Volume	500 — 9.5 cu. ft. (0.269 cu. m)
	500c — 5.4 cu. ft. (0.152 cu. m)
EPA Interior Volume Index	500 — 84.9 cu. ft. (2.405 cu. m)
	500c — 81.6 cu. ft. (2.311 cu. m)
Trunk Liftover Height	500 — 27.2 (690.9)
	500c — 27.7 (703.6)

### WHEELS

Availability	Standard — 500 and 500c Pop
Type and material	Aluminum Titanium semi-gloss
Size	16 x 6.5
Availability	Optional — 500 and 500c Pop
Type and material	Polished aluminum with Mineral Gray pockets
Size	16 x 6.5
Availability	Standard — 500 and 500c Lounge
Type and material	Aluminum, painted Tech Silver
Size	16 x 6.5
Availability	Optional — 500 and 500c Lounge
Type and material	Bright aluminum, fully painted
Size	16 x 6.5



## 2018 FIAT 500 / 500 ABARTH SPECIFICATIONS

Availability	Standard — 500 and 500c Abarth
Type and material	Forged Hyper Black aluminum
Size	16 x 6.5

Availability	Optional — 500 and 500c Abarth
Type and material	Forged Hyper Black aluminum
Size	17 x 7

Availability	Optional — 500 and 500c Abarth
Type and material	Bronze forged aluminum
Size	17 x 7

### TIRES

Availability	Standard
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)

Availability	Optional — 500 and 500c Abarth
Size and type	205/40R17XL BSW
Mfr. and model	Pirelli P-Zero Nero Three-season
Revs per mile (km)	877 (545)

