



# CABRIOLETS

**1500** Type **118K**

**1600S** Type **118SB**

**SPECIFICATIONS AND FEATURES**  
**MAIN SERVICING INSTRUCTIONS**

# CABRIOLETS

**1500** Type 118 K

**1600 S** Type 118 SB

**SPECIFICATIONS AND FEATURES**

**MAIN SERVICING INSTRUCTIONS**

**FIAT**

S E R V I C E   D E P A R T M E N T   -   T U R I N

**COPYRIGHT BY Soc.p.Az. FIAT**

●  
All rights reserved. Reproduction of text and  
illustrations, in whole or in part, is not permitted  
in any form.

---

**PRINTED IN ITALY**

---



# GENERAL INFORMATION

In this publication are outlined the main specifications and features as well as the service procedures of more current use covering 1500 and 1600 S Cabriolets.

All data and repair directions in the following pages are intended to apply to both Models whenever no specific mention of the type is made. Differing parts are dealt with separately and each of them comes with the applicable Model name.

## MAIN SPECIFICATIONS - 1500 CABRIOLET

### IDENTIFICATION DATA

Chassis type . . . . .	118 K
Engine type . . . . .	115 C.005

### ENGINE

Arrangement . . . . .	front
Cycle and strokes . . . . .	Otto, 4 - stroke
No. of cylinders . . . . .	four, in - line
Bore . . . . .	3.03" (77 mm)
Stroke . . . . .	3.13" (79.5 mm)
Displacement . . . . .	90.37 cu.in (1,481 cm <sup>3</sup> )
Compression ratio . . . . .	9 to 1
Maximum horsepower, SAE standards . . . . .	83
at . . . . .	5,400 rpm
Taxable horsepower (Italy) . . . . .	16
Cooling . . . . .	water

### CLUTCH

Dry, single plate type with spring cushioned hub.  
Driven plate lining O. D. . . . . 7 <sup>7</sup>/<sub>8</sub>" (200 mm)

### TRANSMISSION

Five forward speeds and reverse.

Gear ratios:	
First, synchromeshed . . . . .	3.242 to 1
Second, synchromeshed . . . . .	1.989 to 1
Third, synchromeshed . . . . .	1.410 to 1
Fourth, synchromeshed . . . . .	1 to 1
Fifth (O. D.), synchromeshed . . . . .	0.864 to 1
Reverse . . . . .	3.340 to 1

### PROPELLER SHAFT

Two-section with center pillow bearing.  
A flexible joint and two universal joints.

### REAR AXLE

Hypoid final drive gear set.  
Gear ratio: . . . . . 4.1 to 1 (10/41)

### FRONT SUSPENSION

Independent-wheel type.  
Control arms counteracted by coil springs and hydraulic shock absorbers.

Sway eliminator bar.

Toe-in, fully laden . . . . .	.0394" to .1181" (1 to 3 mm)
Camber, fully laden . . . . .	0° 30' ± 20'
Caster, fully laden . . . . .	2° 10' ± 30'

### REAR SUSPENSION

By semi-elliptic springs and hydraulic shock absorbers.  
Sway eliminator bar.

### STEERING SYSTEM

Worm and roller steering gear.  
Gear ratio . . . . . 16.4 to 1  
Turning circle . . . . . 34 <sup>1</sup>/<sub>2</sub> ft (10.5 m)  
Steering column mounted on two ball bearings and fitted with a pair of end universal joints.  
Linkage end joints, of the «for life» type, need not be lubricated.

### BRAKES

**Front:** disc type.

— Disc diameter . . . . .	9 <sup>27</sup> / <sub>32</sub> " (250 mm)
— Bore of caliper outer cylinders . . . . .	1 <sup>11</sup> / <sub>32</sub> " (33.985 mm)
— Bore of caliper inner cylinder . . . . .	1 <sup>15</sup> / <sub>16</sub> " (48.132 mm)

**Rear:** drum type, with self-centering shoes.

— Drum diameter . . . . .	9 <sup>27</sup> / <sub>32</sub> " (250 mm)
— Wheel cylinder bore . . . . .	3/4"
— Master cylinder bore . . . . .	7/8"

Vacuum brake booster acting on four wheels.

### WHEELS AND TIRES

Disc wheels with rim, type . . . . .	3 <sup>1</sup> / <sub>2</sub> J
Tire size . . . . .	145 x 14"

Tire inflation pressure:

— front . . . . .	22.8 psi (1.6 kg/cm <sup>2</sup> )
— rear . . . . .	24.2 psi (1.7 kg/cm <sup>2</sup> )

### ELECTRIC SYSTEM

Voltage . . . . .	12
Battery capacity (at 20-hour discharge rate) . . . . .	48 Amp/hr
FIAT generator type D 115/12/28/4.	
FIAT generator regulator type GN 2/12/28.	
FIAT starting motor type E 100-1,5/12 Var. 1.	

## WEIGHTS

Curb weight (with water, oil, petrol,  
spare wheel, tool kit and acces-  
sories) . . . . . 2,127 lbs (965 kg)  
No. of seats . . . . . two  
Carrying capacity . . . 2 people plus 110 lbs (50 kg)

Laden weight . . . . . 2,546 lbs (1,155 kg)  
Distribution of laden weight:  
— front axle . . . . . 1,290 lbs (585 kg)  
— rear axle . . . . . 1,256 lbs (570 kg)

## PERFORMANCE

**Speeds**, maximum, on flat road (run-in and fully laden):

first gear . . . . . 31 mph (50 km/h)  
second gear . . . . . 50 mph (80 km/h)  
third gear . . . . . 68 mph (110 km/h)  
fourth gear . . . . . 93 mph (150 km/h)  
fifth gear (overdrive) . . . . . 100 mph (160 km/h)  
reverse . . . . . 31 mph (50 km/h)

**Gradients**, maximum climbable (run-in and fully laden):

first gear . . . . . 40 %  
second gear . . . . . 22 %  
third gear . . . . . 14 %  
fourth gear . . . . . 9 %  
fifth gear (overdrive) . . . . . 6.5 %  
reverse . . . . . 40 %

## CAPACITIES

UNIT	Quantity				FILL-IN
	lt	kg	Imp. units	U.S. units	
Fuel tank . . . . .	38	—	8.36 gals	10.04 gals	Gasoline: ON 92 (Research Meth) Pure water <sup>(1)</sup> FIAT oil <sup>(3)</sup> } FIAT W 90/M oil (SAE 90 EP) } FIAT special blue label fluid } FIAT S.A.I. fluid Water and FIAT D.P./1 fluid mix- ture (concentrated solution)
Radiator, engine and heating system	6	—	1.32 gals	1.52 gals	
Oil pan (*) . . . . .	3.500	3.150	3.1 qts	3.7 qts	
Transmission . . . . .	1.60	1.50	1.4 qts	1.7 qts	
Rear axle . . . . .	0.90	0.85	0.79 qts	0.95 qts	
Steering gear . . . . .	0.16	0.15	0.14 qts	0.17 qts	
Hydraulic brake circuit . . . . .	0.37	0.37	0.65 pts	0.78 pts	
Front shock absorbers, each . . . . .	0.165	0.15	0.29 pts	0.35 pts	
Rear shock absorbers, each . . . . .	0.185	0.165	0.33 pts	0.39 pts	
Windshield washer bag . . . . .	—	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	

(\*) Total oil capacity of pan, filter and pipings is 3.79 Imp. qts - 4.55 U.S. qts (3.900 kg). Figure specified in table refers to the amount recommended for periodical oil changes.

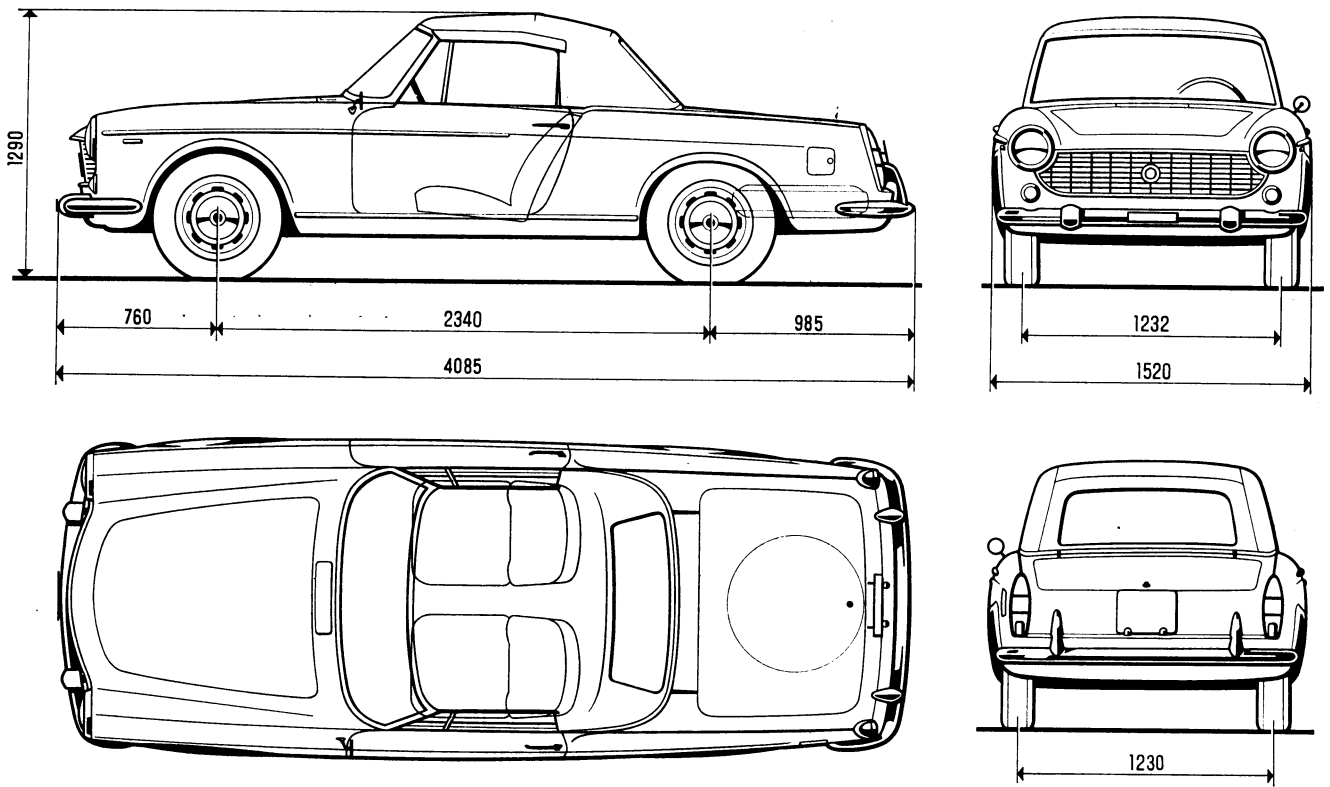
(<sup>1</sup>) When temperature is close to 32° F (0° C), replace radiator water by **FIAT special anti-freezing mixture**.

(<sup>2</sup>) Pure water .66 Imp. qts - .79 U.S. qts (0.75 kg) plus .6 oz - 17 g (Summer) or 1.2 oz - 34 g (Winter) cleaner.

(<sup>3</sup>) Use the following grades of oil:

TEMPERATURE	FIAT Unigrade Oil	FIAT Multigrade Oil	TEMPERATURE	FIAT Unigrade Oil	FIAT Multigrade Oil
	Supplement 1 level oils which fill MS sequence requirements			Supplement 1 level oils which fill MS sequence requirements	
Below 5° F (—15° C) - minimum . . . . .	<b>VS 10 W</b> (SAE 10 W)	—	Above 32° F (0° C) - minimum . . . . .	<b>VS 30</b> (SAE 30)	} <b>20 W - 40</b>
Between 32° F (0° C) and 5° F (—15° C) - minimum	<b>VS 20 W</b> (SAE 20 W)	<b>10 W - 30</b>	Above 86° F (30° C) - average . . . . .	<b>VS 40</b> (SAE 40)	

**CAUTION:** These are detergent oils; do not top up with oils of different make or grade; when first using **detergent** oils on engines other than new, carry out an accurate **flushing** of the lubrication system.

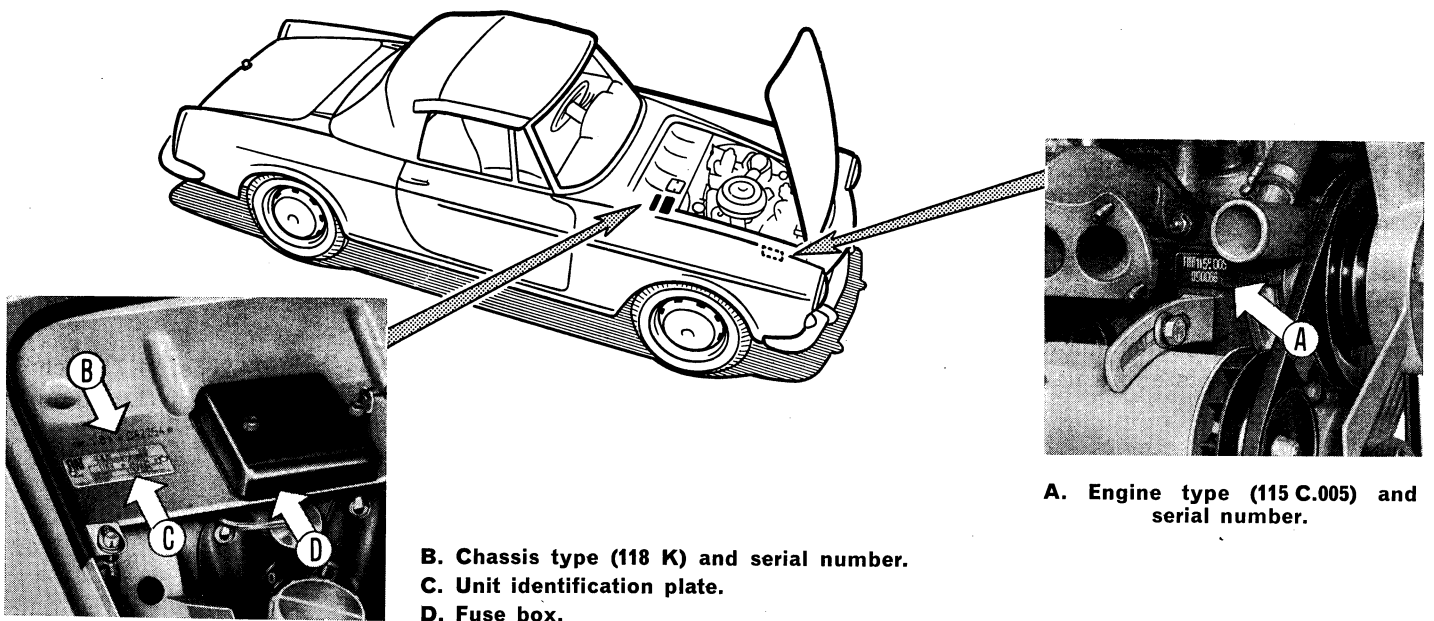


**Fig. 1. - Leading dimensions of FIAT 1500 Cabriolet (in mm).**

Overall height applies to an unladen vehicle.

## UNIT IDENTIFICATION DATA

**Fig. 2. - Location of FIAT 1500 Cabriolet identification data.**



**A. Engine type (115 C.005) and serial number.**

**B. Chassis type (118 K) and serial number.  
C. Unit identification plate.  
D. Fuse box.**

