

BRAKES FOR FIAT ABARTH 850 TC AND FIAT ABARTH 1000 TC

FIAT ABARTH 850 TC

This car was homologated on July 1961 with Homologation Form no. 1074/A.

The brakes in this form were:

Drum Brakes	Front	Rear
Inside diameter - mm		185
Width of brake linings - mm		30
Number of shoes x brake		2
Total area x brake – cm ²		108
Number of cylinder		1

Disc Brakes	Front	Rear (starting from 15.10.62)
<i>Number of cylinder</i>		
Outside diameter - mm	211,25	212
Number of pads x brake	2	2
Total area x brake - cm ²	52,7	38

The above mentioned form does not include all the homologated items of the Period.

In the new Homologation Form no. 1487, valid from 1/7/67, had been included a summary of items homologated until 31.12.1966 :

From June 1964 to July 1965:

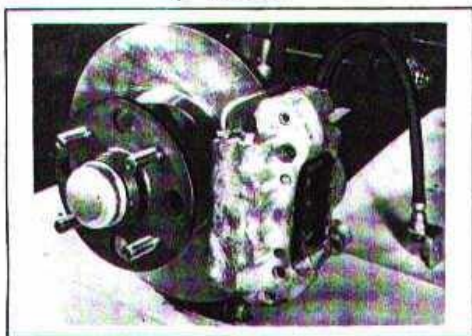
- position of the water radiator (first type)
- 13” Diameter wheels
- Different inlet manifold for Weber 36 DCL4
- Modified mudguards
- Different connecting roads starting from engine no. 149993
- Coil on the telescopic dumper
- Slip-limited differential (for 4/5 gears)
- New front radiator (with bigger surface)
- Water pump modified and belt drive
- Electric fan instead of mechanical item
- Modified exhaust manifold
- Front leaf spring anchorage brace
- Etc. etc.

The brakes in this form were:

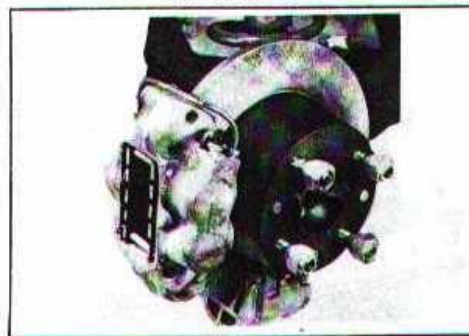
Drum Brakes	Front	Rear
Inside diameter - mm		185
Length of brake linings - mm		180
Width of brake linings - mm		30
Number of shoes x brake		2
Total area x brake - cm ²		108
Number of cylinder		1
Bore of wheel cylinder - mm		19,05

Disc Brakes	Front	Rear (starting from 15.10.62)
Number of cylinder	1 (in the photo: 3)	1 (in the photo 3)
Outside diameter - mm	236,5	235,5
Thickness of disc - mm	9,65	9,65
Length of brake linings - mm	77,5	83,5
Width of brake linings - mm	49,5	38,5
Number of pads x brake	2	2
Total area x brake - cm ²	67	56

* Photo F



* Photo G



To have complete list of homologated items in Period F (until 1965), you must check the homologation form no. 1074/A and the list in the Hom. Form no. 1487.

Following the information in this Hom. Form, it is possible to use the bigger disc brakes reported in this form but valid from 15.12.62.

FIAT ABARTH 1000 TC

This car was homologated on 1962 with Homologation Form no. 1182.

The brakes are the same of Abarth 850 TC Hom. Form no. 1074/A:

Drum Brakes	Front	Rear
Inside diameter - mm		185
Width of brake linings - mm		30
Number of shoes x brake		2
Total area x brake - cm ²		108
Number of cylinder		1

Disc Brakes	Front	Rear
Outside diameter - mm	211,25	212
Number of pads x brake	2	2
Total area x brake - cm ²	52,7	38

Similar to Abarth Hom. Form of 850 TC , **in the new homologation Form no. 1486**, valid from 1/7/67, had been included a summary of homologated items until 31.12.1966 :

From June 1964 to July 1965:

- position of the water radiator (first type)
- 13" Diameter wheels
- Different inlet manifold for Weber 36 DCL4
- Modified mud guards
- Different connecting roads starting from engine no. 149993
- Coil on the telescopic dumper

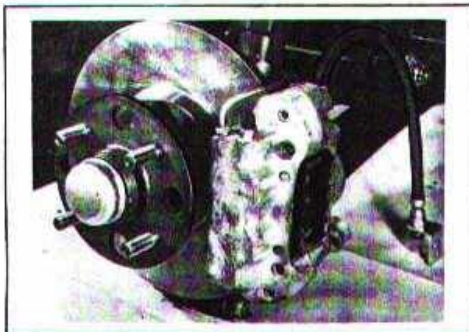
- Slip-limited differential (for 4/5 gears)
- New front radiator (with bigger surface)
- Water pump modified and belt drive
- Electric fan instead of mechanical item
- Modified exhaust manifold
- Front leaf spring anchorage brace
- Etc. etc.

The brakes in this form were:

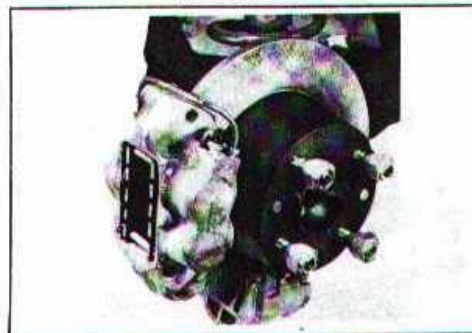
Drum Brakes	Front	Rear
Inside diameter - mm		185
Length of brake linings - mm		180
Width of brake linings - mm		30
Number of shoes x brake		2
Total area x brake - cm ²		108
Number of cylinder		1
Bore of wheel cylinder - mm		19,05

Disc Brakes	Front	Rear
Outside diameter - mm	236,5	235,5
Thickness of disc - mm	9,65	9,65
Length of brake linings - mm	77,5	83,5
Width of brake linings - mm	49,5	38,5
Number of pads x brake	2	2
Total area x brake - cm ²	67	56
<i>Number of cylinder</i>	<i>in the photo: 3</i>	<i>in the photo: 3</i>

* Photo F



* Photo G



Considerations:

Fiat Abarth 850

In Period F it is possible use disc brakes (front and rear) of the Hom. Form no. 1074A and, if we take the Hom. Form 1487 information into account, it is possible use the bigger disc brakes.

Fiat Abarth 1000

In Period F is possible use only the smaller disc brakes, because there are no information on the Hom. Form no. 1486 about the use of the bigger disc brakes previously the date of validity of Hom Form.

But, why the Abarth had not used for the TC 1000 the same method than the 850 TC, considering the performance of the bigger car ?