

# SERVICE LETTER – MOSTER185

*Airbox My19 update in previous versions*



## 1. *Applicability*

<b>Engine model</b>	<b>Production period / Serial number</b>
Moster185 Classic	From My14 up to My18 From "Dark Evolution" series
Moster185 Plus	From My14 up to My18, manual and dual starter From "Dark Evolution" series
Moster185 Silent	From My14 up to My18, manual and dual starter From "Dark Evolution" series
Moster185 Factory	From My14 up to My18 From "Dark Evolution" series

## 2. *Reason*

The new airbox design is more compact and smaller in size. The position of the air inlet intake is very well protected and reduces the risk of entry of foreign bodies inside the airbox, such as sand, grass or other elements moved by air flow. Then it is in suspension on the rubber, it is integrated into the engine and does not require installation to the aircraft frame. The volumes and fluid dynamics have been optimized, consumption has been reduced by 10-15% at cruising speed and power band is increasingly stable and pleasant. Then the air inlet is stabilized and always gives a prompt start at any speed, without having any uncertainties even at sudden accelerations. The mass of air sucked by the propeller meets a more compact geometry. Hence, the turbulence of the system is reduced and performances are improved.

## 3. *Subject*

Instructions for proper installation of the new airbox model. See the instructions at the end of this document.

## 4. *Labor time*

Estimated labor: 30 to 90 minutes, depending on the engine model available.

## 5. *Mass data*

Change of weight: +25 grams by the weight of the new airbox system.

## 6. *References*

In addition to this technical information refer to current issue of:

- Engine user Manual
- Illustrated Parts Catalog

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### **7. Material**

Price and availability will be provided on request by VITTORAZI authorized dealer or Service Centers. Material requirement per engine:

<b>Code / Art.</b>	<b>Quant.</b>	<b>Description</b>	<b>Cost of the material FOB</b>
MP093k	1	Air-box silencer complete MY19 (complete upgrade kit)	59,00€

### **8. Rework of parts**

Drilling of the crankcase fin with the calibrated drill bit, machining required only in the old crankcase model.

### **9. Special tooling**

A 5.9mm bit for drilling the crankcase fin (Machining required only in the old crankcase model).

### **10. Warning, caution, more attention**

More attention to the tightening of the sleeve and to the fixing of the fuel inlet.

### **11. Accomplishment and Test Run**

The work must be implemented and confirmed by at least one of the following persons:

- VITTORAZI MOTORS representatives;
- VITTORAZI MOTORS authorized Distributors, Service Centre, Aircraft manufacture.

At the end of the work to ensure the correct operation of the service a ground test is required and then a further approval in flight.

### **12. Inquires**

Inquiries regarding this Service Letter should be sent to the VITTORAZI authorized Distributors, Service Centre, Aircraft manufacture of your area. A list of all VITTORAZI representatives is provided on the Vittorazi website ([vittorazi.com](http://vittorazi.com)).

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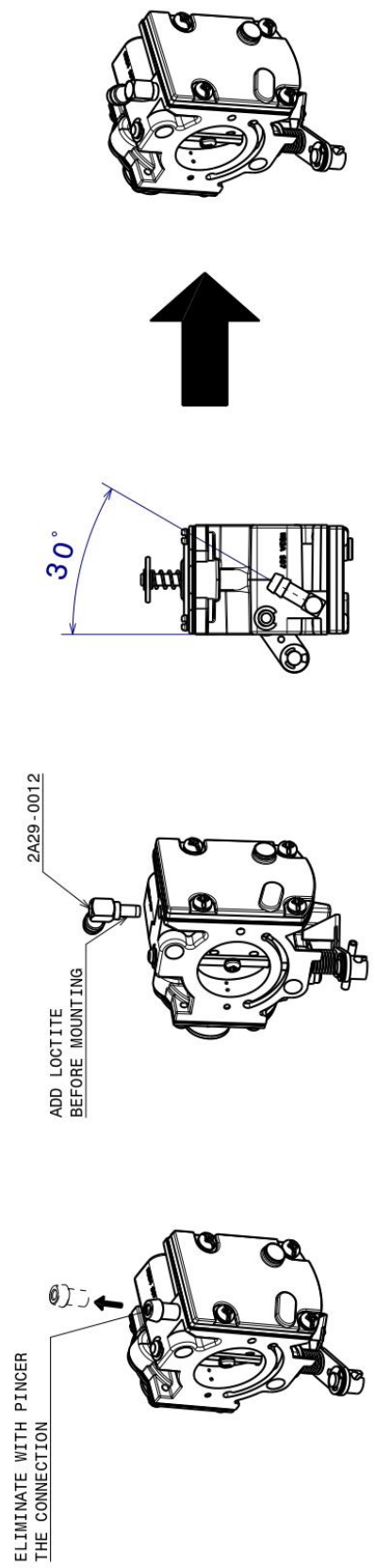
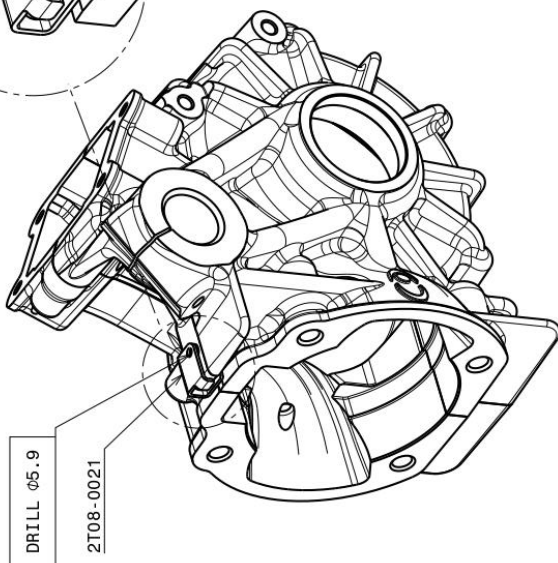
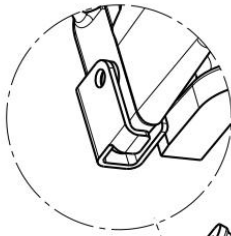
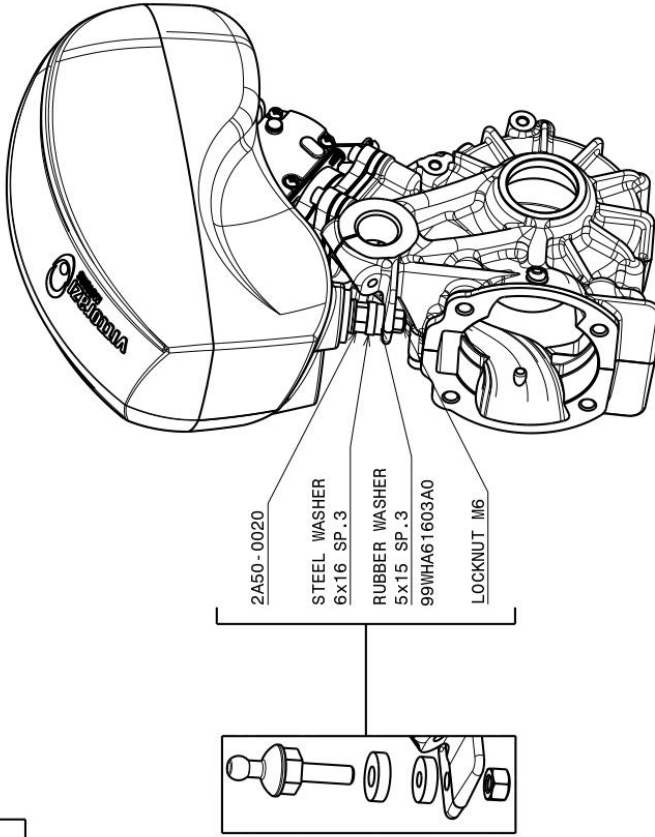
Airbox My19 update in previous versions



1P04-0017\_02 - AIRBOX UPDATE ON OLD MOTORS



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ELIMINATE WITH PINCER THE CONNECTION

ADD LOCTITE BEFORE MOUNTING

2A29-0012

30°

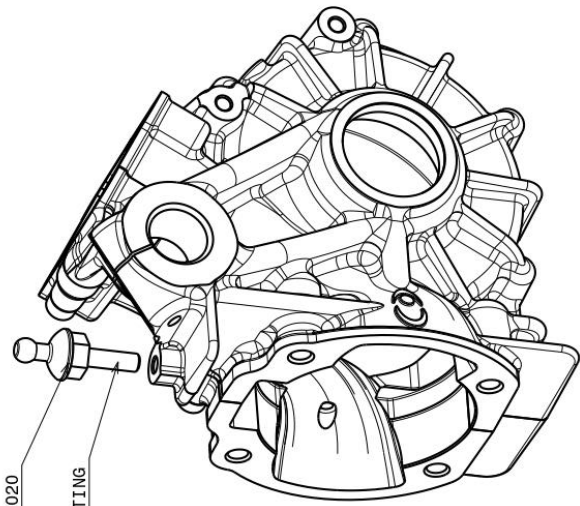
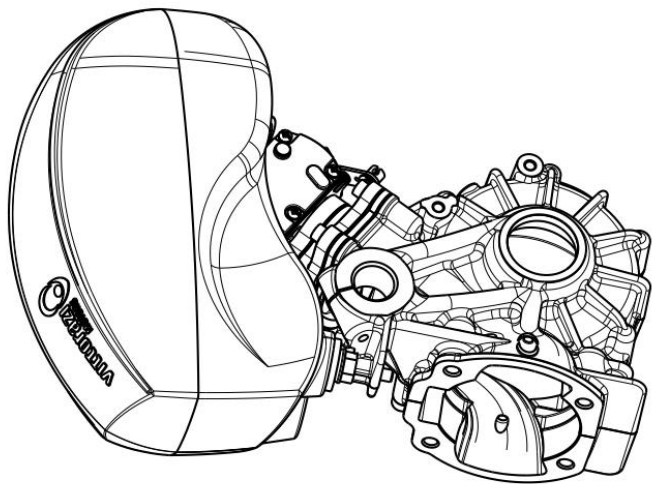
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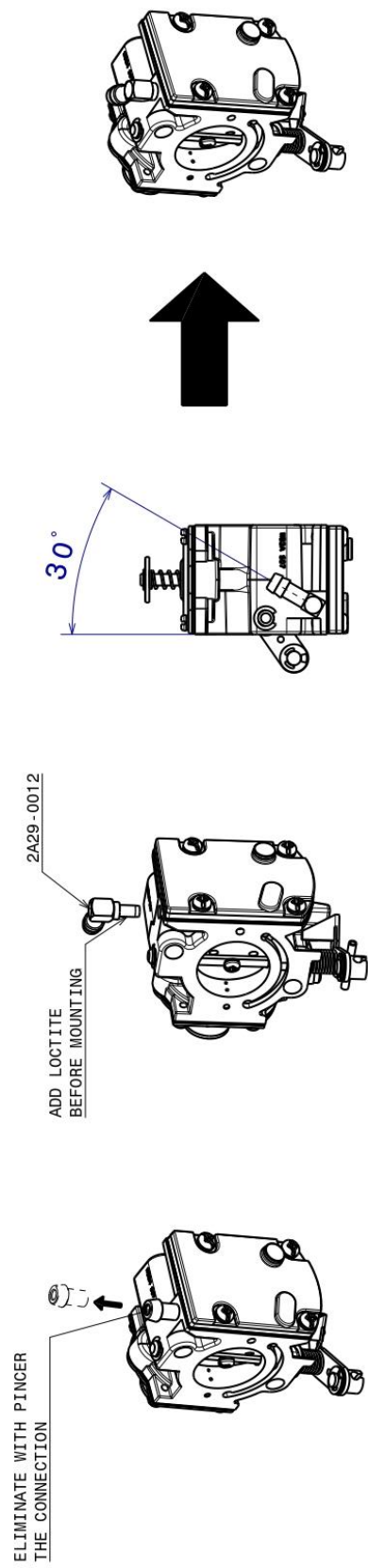
1P04-0017\_02 - AIRBOX UPDATE ON NEW MOTORS

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2A50-0020

ADD LOCTITE BEFORE MOUNTING



ELIMINATE WITH PINCER THE CONNECTION

ADD LOCTITE BEFORE MOUNTING

2A29-0012

30°



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Airbox My19 update in previous versions

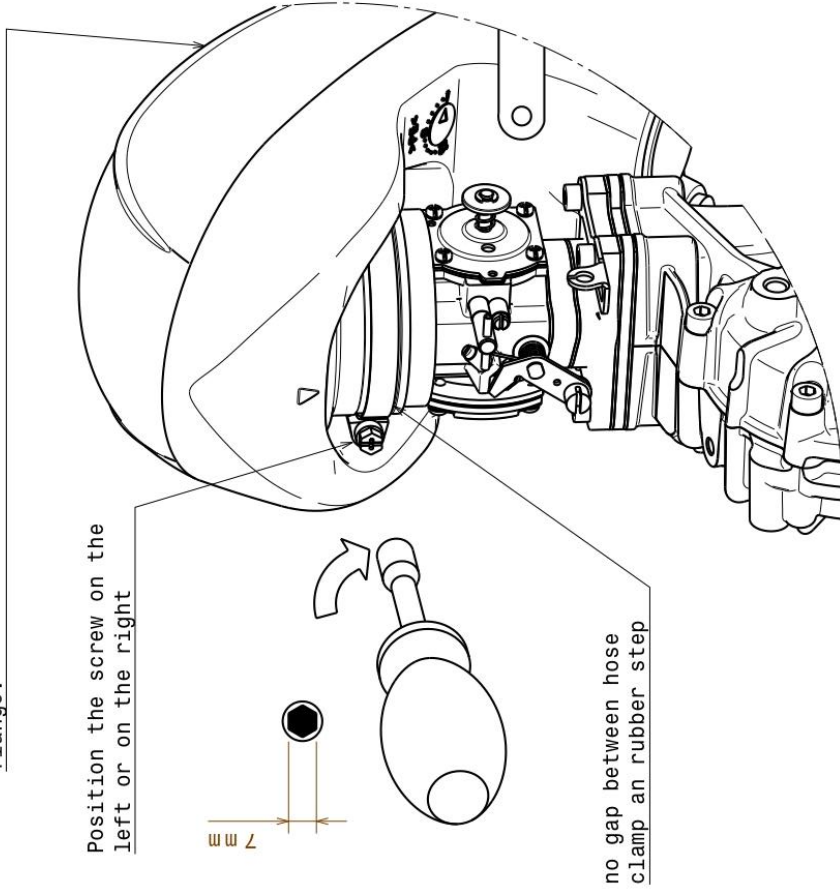


1P04-0017\_02 - AIRBOX INSTALLATION - 1/2



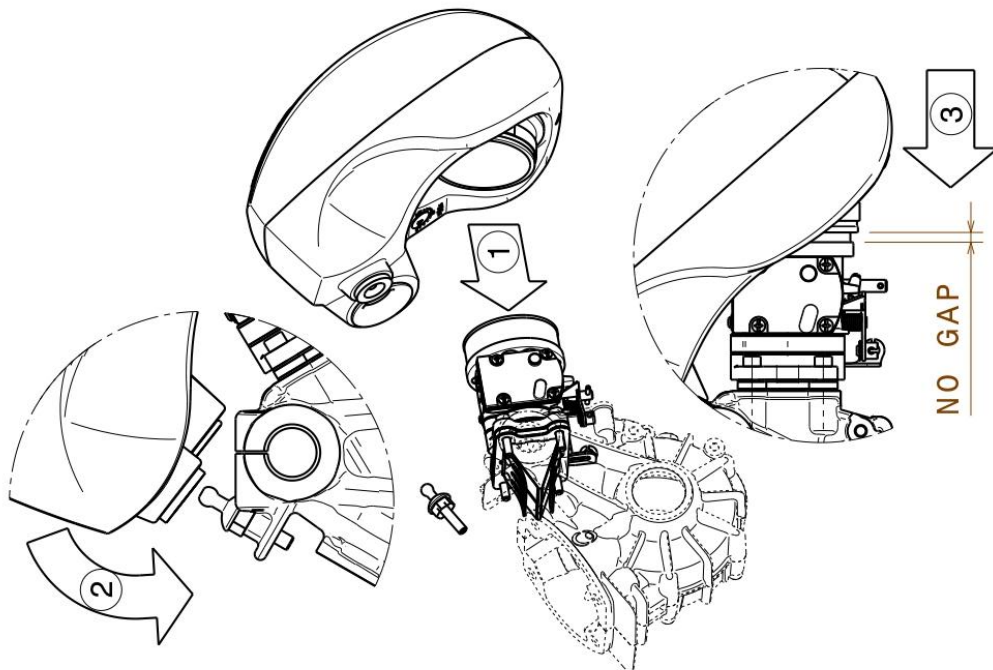
Vittorazi Motors  
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1. Check alignment before tightening the hose clamp
2. Verify installation:  
Push/Pull the airbox. There must be no relative motion between rubber sleeve and carburetor inlet flange.



Tighten the hose clamp carefully:

1. use hexagonal screwdriver
2. apply 2,5 Nm torque
3. if you don't have a torque wrench
  - 3.1 tighten the hose clamp until it start squeezing the rubber
  - 3.2 apply 1 and  $\frac{1}{2}$  more complete turns



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1P04-0017\_02 - AIRBOX INSTALLATION - 2/2



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Apply safety strip

Notes:

- 1.a Position the safety strip on the aluminium frame between the coil and the silentblock
- 1.b Make sure that the strip is not loose
2. Close the second velcro strip
3. On engines with electric motor turn the throttle cable outward.

