

New LFd

Assembly Manual



Spare part list + assembling guideline

New LFd

Light filter

New LFd

Assembly manual



Original instructions

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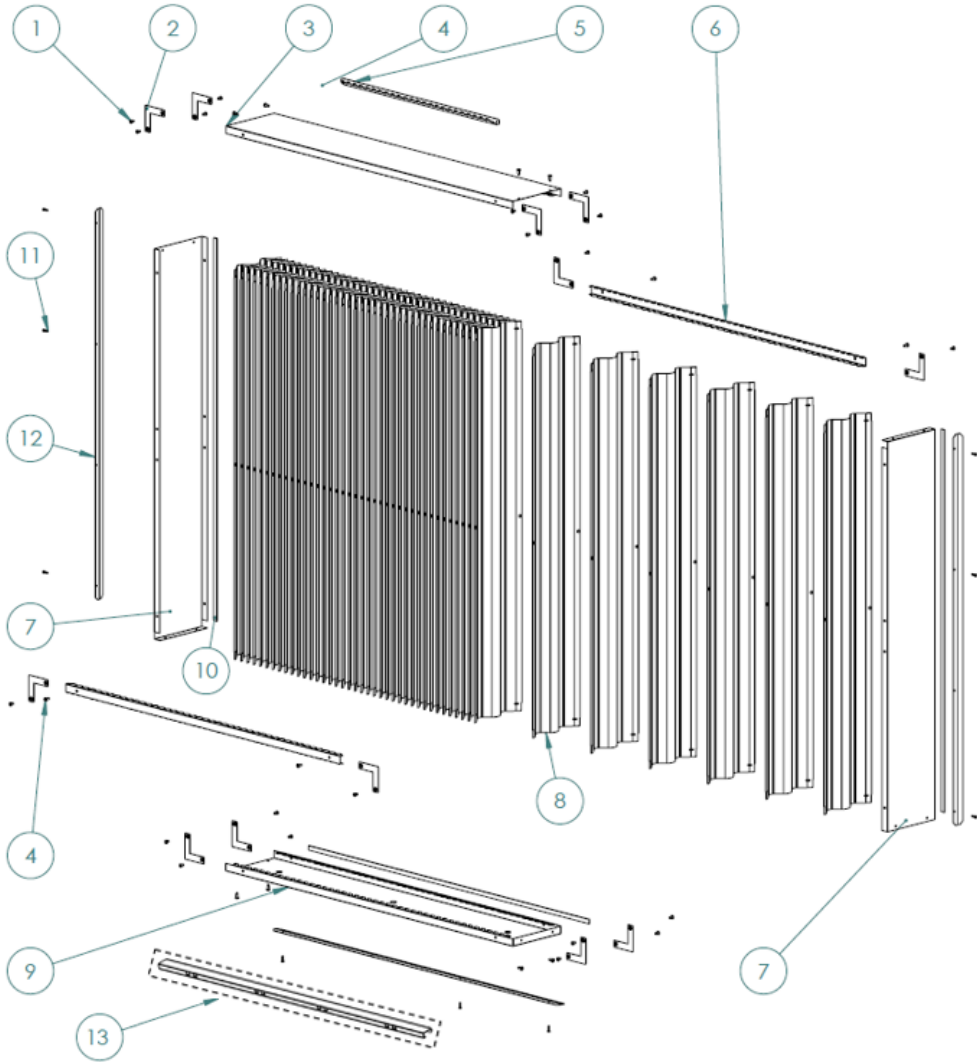
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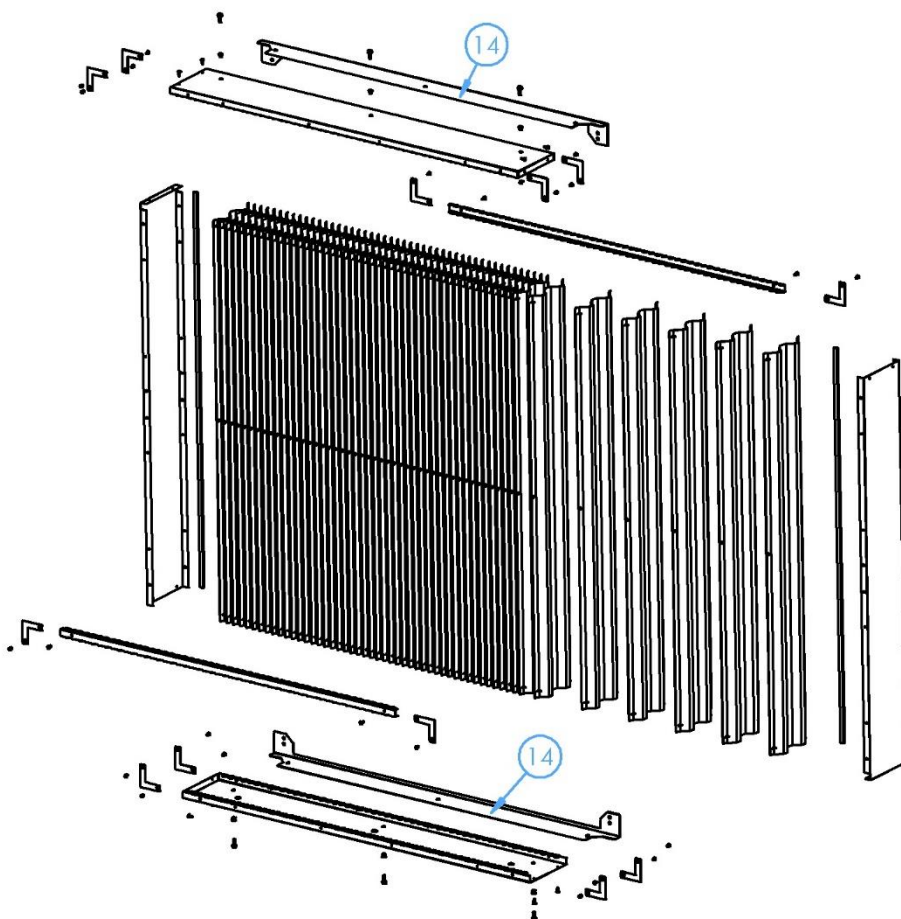
| | |
|---|--|
|  <p>WARNING</p> | <p>All the components and spare parts MUST be stored in dry and clean environment.</p> <p>Please note that when the Light Filter is mounted in his working position the waves have to be positioned vertically.</p> <ul style="list-style-type: none">• Max environment temperature during assembling and/or storage shall not exceed 50°C.• Protect filter from direct sunrays when not in operation.• Do not stock in sealed packages under direct sunrays.• Verify that adequate ventilation is provided. |
|  <p>NOTE</p> | <p>The assembly steps are referred to LFd50, however the sequence of the operations is the same for smaller and bigger models. Only variation is the number of plastic waves to be used in the different models</p> |

SPARE PART LIST







New LFd (Saturn ONE)






New LFd (Saturn FIVE)



Spare parts

| Ref. | Picture | Description | Qty. |
|------|---|---|------|
| 1 |  | Ø6.3x16 SELF-TAPPING SCREW (FLAT HEAD) | 20 |
| 2 |  | EMBOSSSED ANGLE BRACKET | 12 |
| 3 |  | TOP PANEL | 1 |
| 4 |  | Ø6.3x19 SELF-TAPPING SCREW (ROUND HEAD) | 12 |
| 5 |  | UPPER HOOK (+ Ø6.3x19 SCREWS) | 1 |
| 6 |  | WAVES LOCKING | 2 |





| | | | |
|----|---|--|-------|
| 7 |  | SIDE PANEL | 2 |
| 8 |  | PLASTIC WAVE | TAB.1 |
| 9 |  | BOTTOM PANEL | 1 |
| 10 |  | EPDM STRIP | 4,1m |
| 11 |  | <p>Ø4.2X19 SELF-TAPPING SCREW (OPTIONAL*)</p> <p><i>*Only for New LFd 50</i></p> | 9 |
| 12 |  | <p>ADDITIONAL FRAME (OPTIONAL)*</p> <p><i>*Only for New LFd 50</i></p> | 3 |

| | | | |
|----|---|--|---|
| 13 |  | <p>LOWER HOOK (only for Saturn LFd) (+ Ø6.3x19 SCREWS)</p> | 1 |
| 14 |  | <p>BOTTOM/TOP SUPPORT (only for Saturn FIVE and Saturn Wall Mount LFd)</p> | 2 |

TAB.1 – REF.8

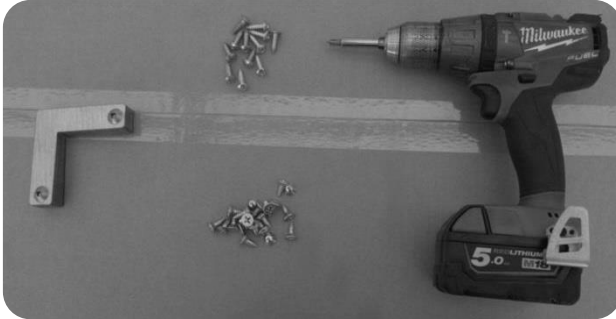
| Model | LFd55 | LFd54 | LFd52 | LFd50 | LFd36 | LFd30 | LFd24 |
|--------------|-------|-------|-------|-------|-------|-------|-------|
| PLASTIC WAVE | 53 | 48 | 47 | 45 | 35 | 31 | 24 |

1. ASSEMBLING TOOLS

| Ref. | Picture | Description | Qty. |
|------|---|----------------------|------|
| 1 |  | CORDLESS DRILL | 1 |
| 2 |  | DIAGONAL PLIERS | 1 |
| 3 |  | ALLEN KEY (SIZE 6) | 1 |
| 4 |  | HEX WRENCH (SIZE 13) | 1 |

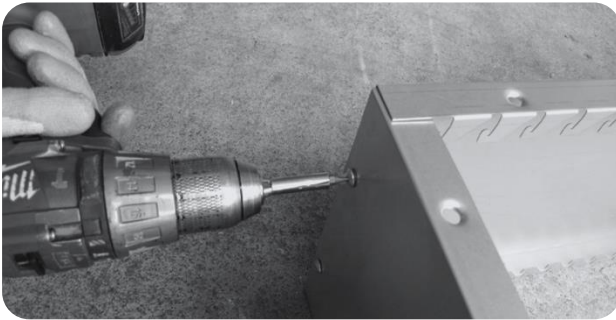
2. ASSEMBLY GUIDELINE

Assembly of frame



To assemble the New LFd verify to have:

- 12 angle brackets
- 20 self-tapping screws (flat head - 6.3x16)
- 12 self-tapping screws (round head - 6.3x19)
- 1 cordless drill



Assemble the bottom panel (the one with 3 holes in the middle) together with the side panel by means of qty. 2 self-tapping screw (round head - 6.3x19), qty. 2 angle brackets and qty. 4 self-tapping screws (flat head - 6.3x16).





Assemble the top panel - same shape as bottom panel but without holes - together with the free side of the side panel by means of qty. 2 self-tapping screw (round head - 6.3x19), qty. 2 angle brackets and qty. 4 self-tapping screws (flat head - 6.3x16).

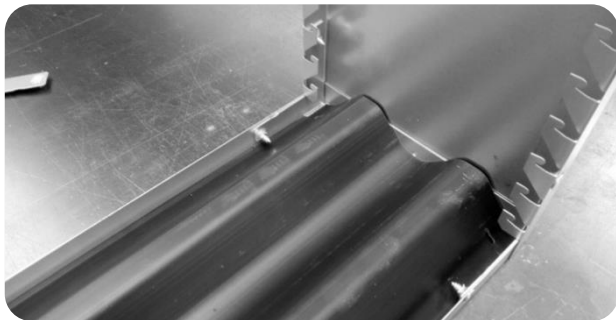


It is recommended using a cordless drill applying a torque of 16 Nm.



Place the 3 panels set on the floor. The side panel should adhere to the floor.

Assembly of waves



Start to mount the plastic waves:
insert the first wave under the
first tooth.

Then proceed inserting all the
other waves into the small teeth
of the top and bottom panel in
order to complete the filter.



Continue to assemble the Light
Filter inserting all the waves until
the last one.

Completion of frame

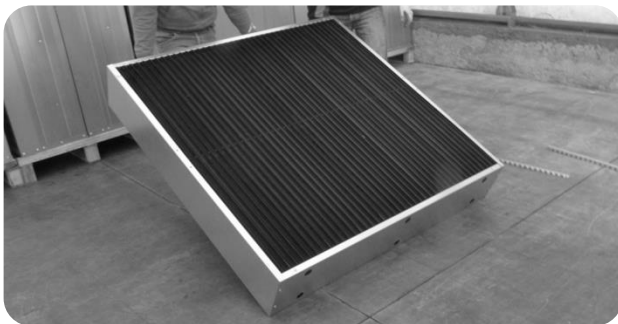


Assemble the angle brackets on the 2 panels (top and bottom) and insert the side panel. Fix them by means of qty. 8 self-tapping screws (flat head - 6.3x16) to the angle brackets plus 2 screws (round head - 6.3x19), one for each panel.

It is recommended using a cordless drill applying a torque of 16 Nm.



Locking the waves



Turn the filter 90° to gain the operating position. The bottom panel should adhere to the floor.



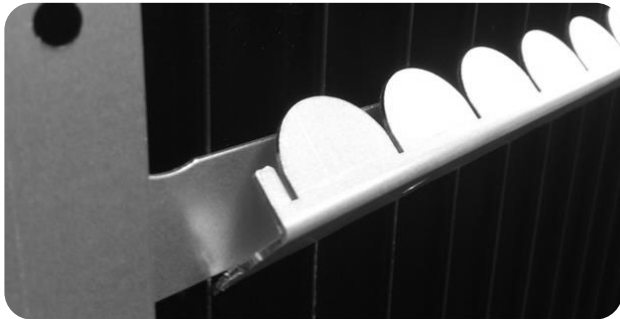
Insert qty. 4 angle brackets and fix them by means of qty. 4 self-tapping screws (flat head - 6.3x16).



It is recommended using a cordless drill applying a torque of 16 Nm.



Insert the waves locking into the buttonholes and fix it by means of qty. 4 self-tapping screws (round head - 6.3x19).



It is recommended using a cordless drill applying a torque of 16 Nm.



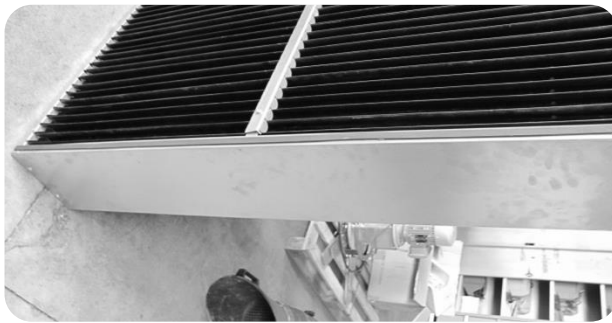
Application of EPDM strips



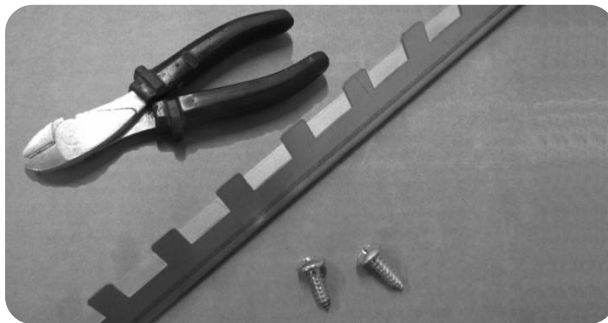
Open one EPDM strip.



Apply the EPDM strip on the 2 lateral panels and on the bottom panel of the Light Filter.



Installation of hook

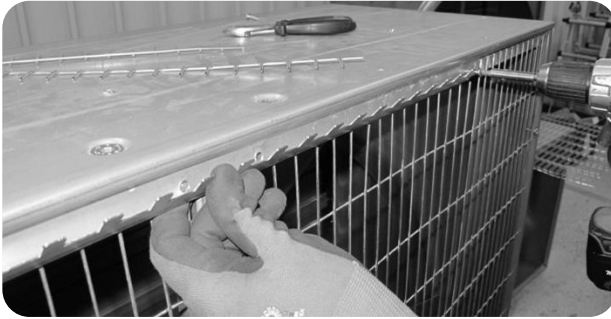


To assemble the hook verify to have:

- 1 upper hook
- 2 self-tapping screws (round head - 6.3x19)
- 1 diagonal pliers



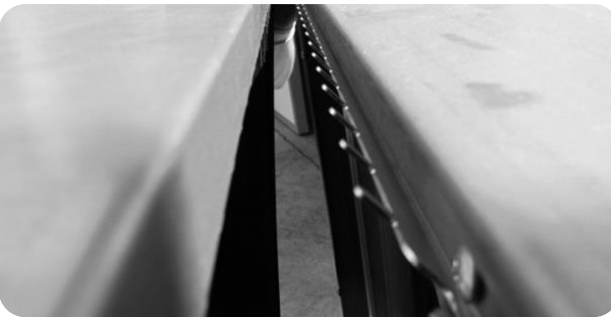
To install the hook, cut from the fan the safety mesh with a diagonal pliers but do not remove the safety protection for motor in order to comply with safety requirement.



Place the hook in the gap between the top panel and the central support and fix it by means of 2 self-tapping screws (round head - 6.3x19).



It is recommended using a cordless drill applying a torque of 16 Nm.



The fan is ready; now hook the Light Filter to the fan.

If there is not a perfect overlap between the Light filter and the fan, rotate the filter by 180°.



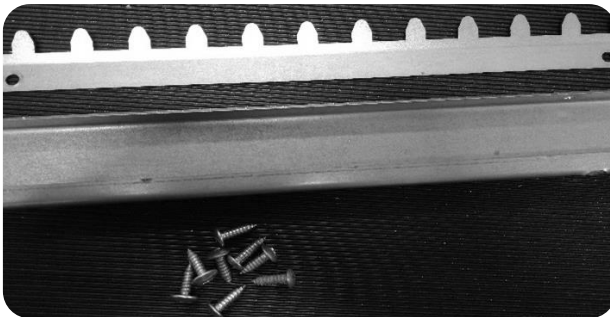
The Light Filter is complete and hooked to the fan.



NOTE

Please note that on some specific fans it may be requested an additional Spacer Kit.
For further information, please contact the Customer Service.

Installation of hook for LFd Saturn ONE



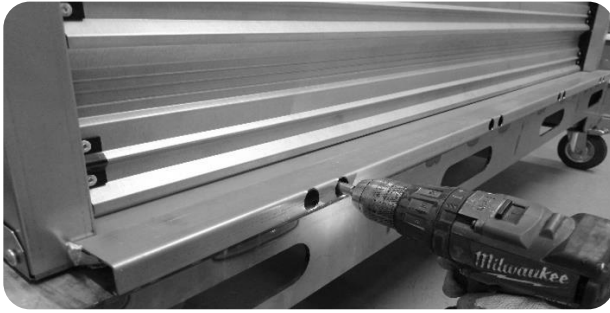
To assemble the hook verify to have:

- 1 upper hook
- 1 lower hook
- 8 self-tapping screws (round head - 6.3x19)



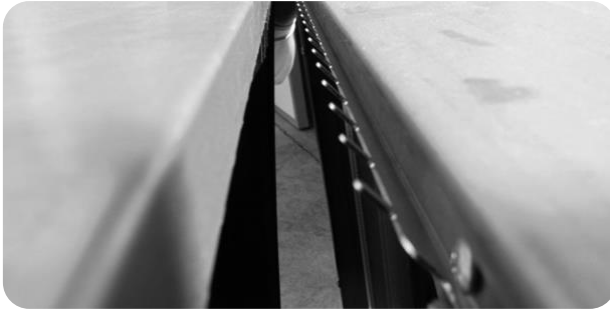
Remove the safety mesh and then install the upper hook on the top panel by means of 4 self-tapping screws (round head - 6.3x19).

It is recommended using a cordless drill applying a torque of 16 Nm.



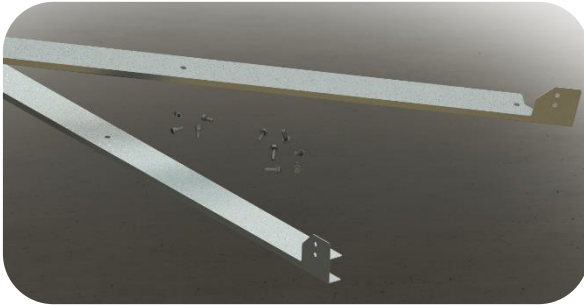
Fix the lower hook to the bottom panel by means of 4 self-tapping screws (round head - 6.3x19).

It is recommended using a cordless drill applying a torque of 16 Nm.



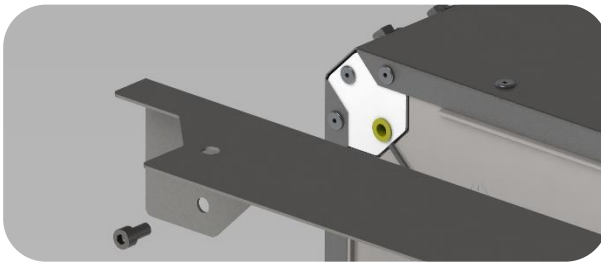
The fan is ready. Now hook the Light Filter to the fan and fix the safety mesh on the external part of the Light Filter.

Installation of the support brackets for LFd Saturn FIVE and Saturn FIVE Wall Mount*



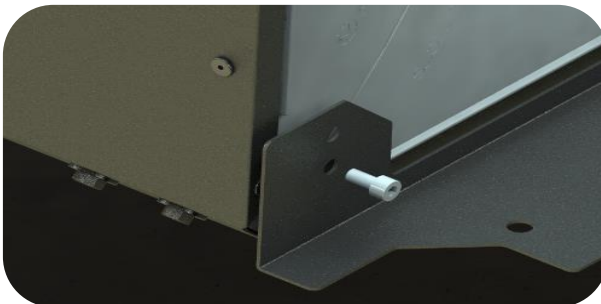
To assemble the support for the Light Filter verify to have:

- 2 support brackets;
- 4 M8X30 HEX SOCKET HEAD SCREW (must be already present in the fan);
- 6 M08x25 HEX SCREW w/flange.



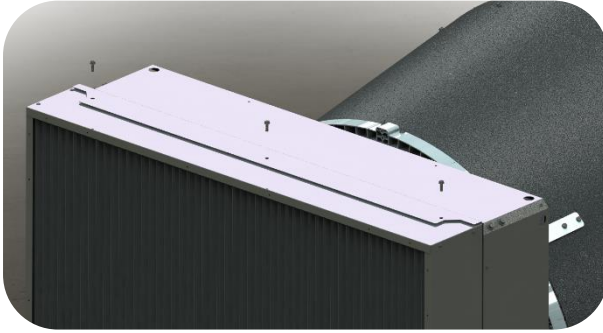
Remove the safety mesh and the 4 M8X30 HEX SOCKET HEAD SCREW and then install the bracket on the top and bottom panels by means of the 4 M8X30 HEX SOCKET HEAD SCREW used for fix the safety mesh.

Be aware of use the correct holes, as shown in the pictures.



NOTE

* with frame of the fan in Wall Mount configuration fixed on the interior wall.



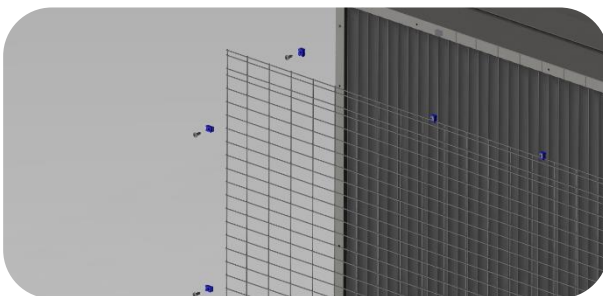
Place the filter between the two brackets by means of 3 M08x25 HEX SCREWS w/flange for each side



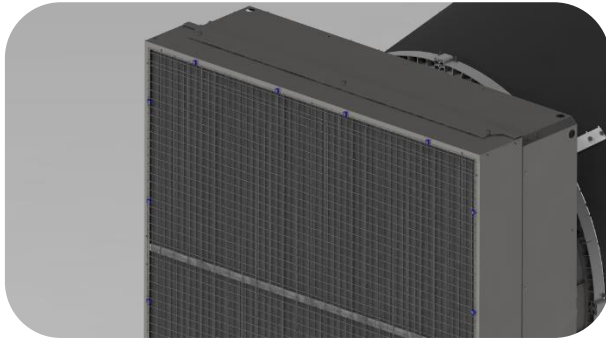
When you have finished the assembly, check the corrected positioning between the filter and the fan.



The top panels are not aligned;
Bottom panels are aligned.

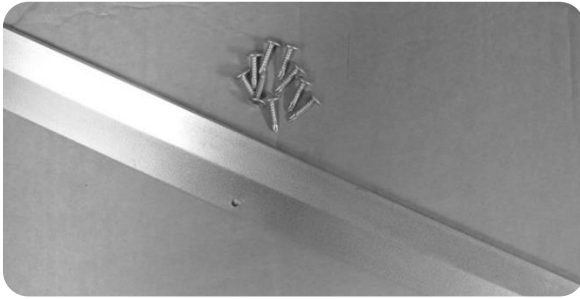


Fix the safety mesh at the filter by means of 16 blue plastic clips and 16 Ø6.3x19 self-tapping screws.



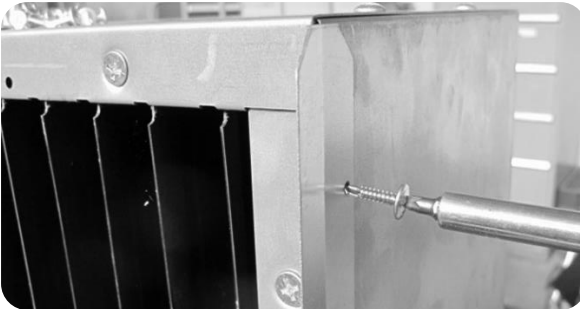
The Fan with Light Filter is ready.

Optional kit (Only for LFd 50)



To assemble the optional kit verify to have:

- 3 additional frames
- 9 self-tapping screws (4.2x19)



Place the additional frame on the side panel and fix it by means of 3 self-tapping screws (4.2x19).

Perform the same operation also for the other side panel and the bottom panel.



Requests for technical assistance and spare parts must be made directly to the manufacturer, at the following address:

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18027 Chiusavecchia (IM), Italy

Tel: +39 0183 52 11

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info@munters.it

LFd light filters are developed and produced by Munters Italy S.p.A., Italy



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