ACOM 1000 EXTERNAL FAN INSTALLATION

SAFETY FIRST!

W A R N I N G HIGH VOLTAGE!

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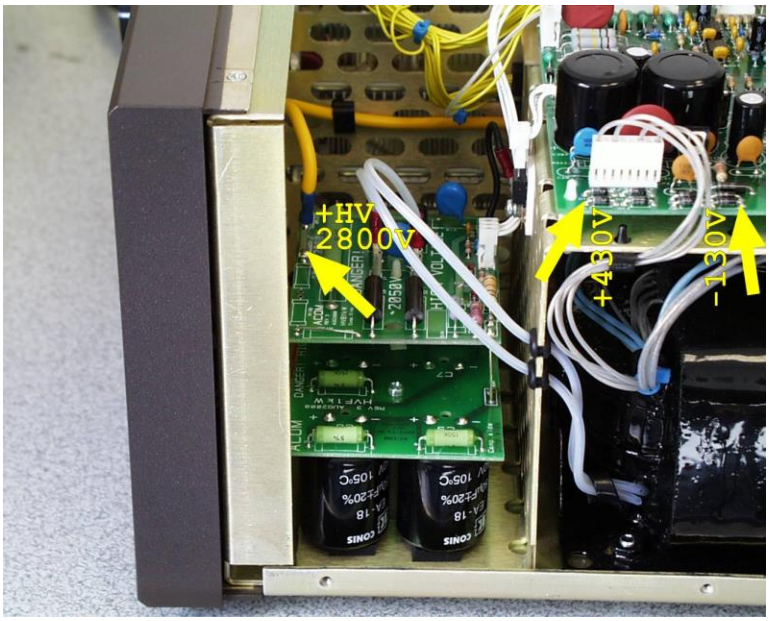
The amplifier works with high voltages up to 3000V which is LETHAL! For your safety pull the amplifier power plug out of the mains wall outlet and WAIT AT LEAST 30 minutes EACH TIME BEFORE you remove the cover of the amplifier. Disconnect all cables from the amplifier (grounding last). Do not touch any part inside while the amplifier is open because some residual voltages may still be present!

1. Removing the top cover.

Using a Philips-2 screwdriver, unscrew 9 pcs of "eco-fix" flange-button head screws to release the top cover (2x3 pcs on each bottom-side edge, and three more on the rear-top edge of the box). Lift the rear edge of the cover slightly (to 2-3cm) and then pull the cover backwards, in order to release it from front-panel's chutes. Remove the top cover.

2. Discharging HV capacitors.

Using a piece of wire connected to the rear-panel grounding stud, DISCHARGE residual charges from THE HV CAPACITORS (if any) by touching the three points shown in the picture.

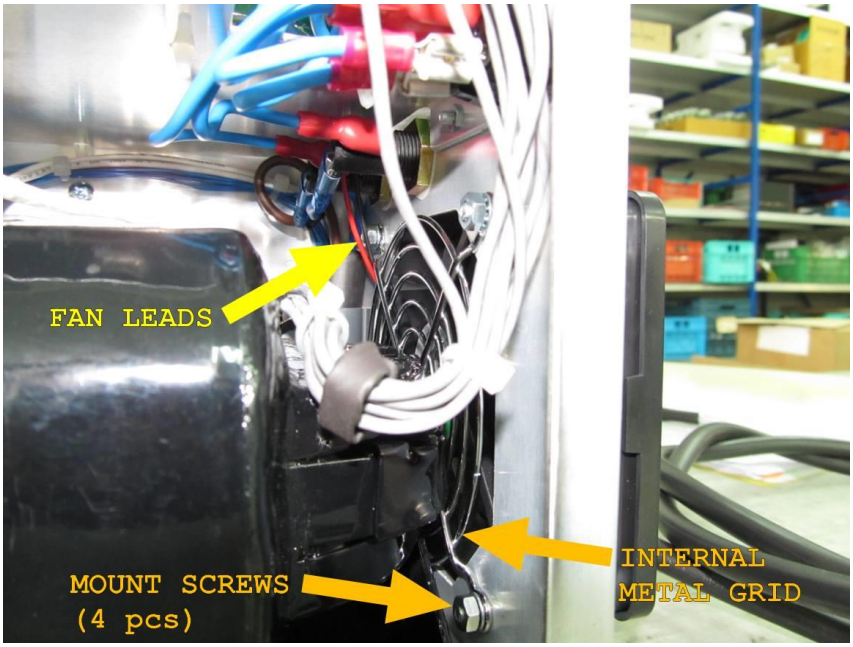


3. If the amplifier was manufactured before 2014, the transformer has to be removed. Unscrew the mounting bolts of the power transformer. Copy the the wires positions in the mains voltage selector before disconnecting transformer wires. Disconnect all connectors of the transformer and take it out of the amplifier.

4. Remove the metal air filter from the chassis inlet hole. If the amplifier was made before 2014 and if you have a metal finger guard supplied with the fan, put it at the internal side of the amplifier. This would reduce a possible RF radiation through the hole. Install the external fan on the outer side of the hole according to the drawing below.

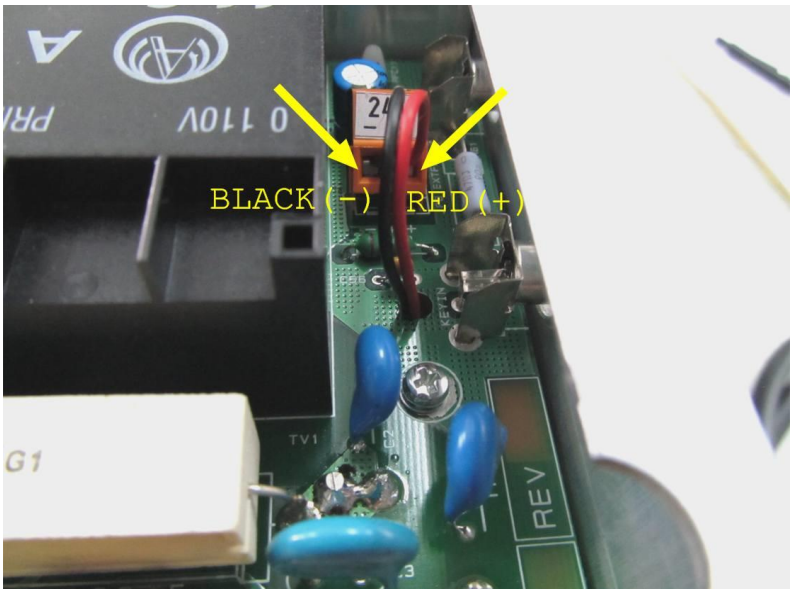
If the ACOM 1000 was made after 2014, do not remove the HV transformer. The metal finger guard should not be installed, though it may be supplied with the fan. Remove the metal air filter and install on the same place the 92mm fan by four M4x12 screws. Fix the plastic air filter to the fan by four M4x14 countersink screws and M4 nuts.

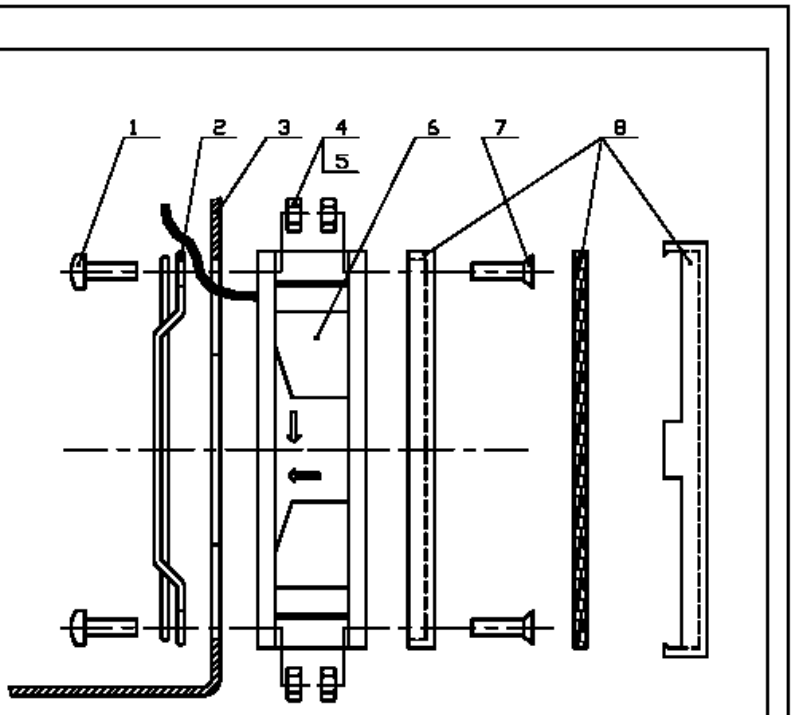
Note the air flow direction: the fan must suck air from outside and blow it into the amplifier cabinet.



Thread the fan wires through the rear panel hole (about 5mm diameter) and the Mains board.

Plug the wires into the two pole 24V post located close to the rear panel on the Mains board. Mind the polarity. Put the red wire into the (+) marked post and the black wire into the (–) marked post.



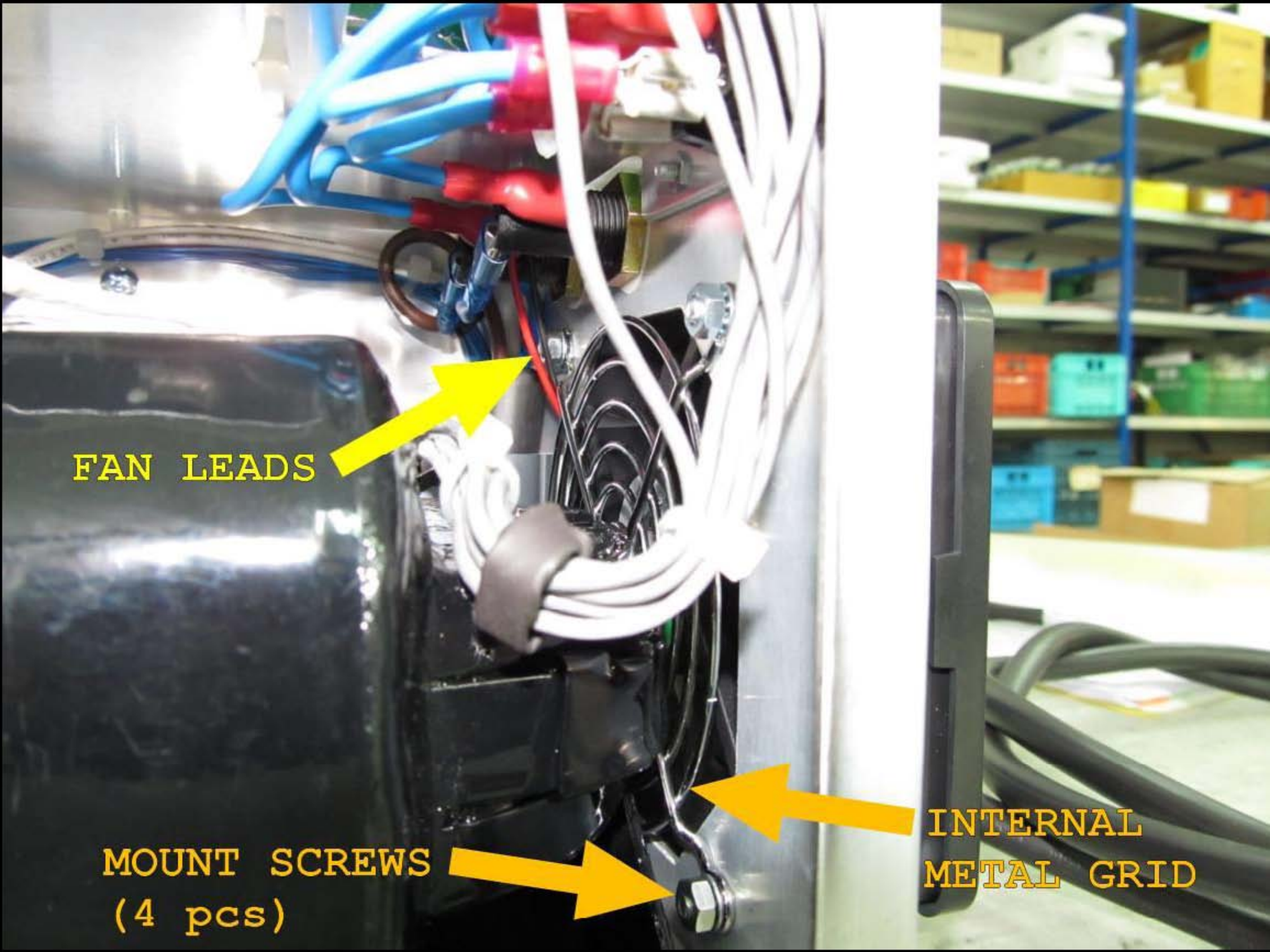


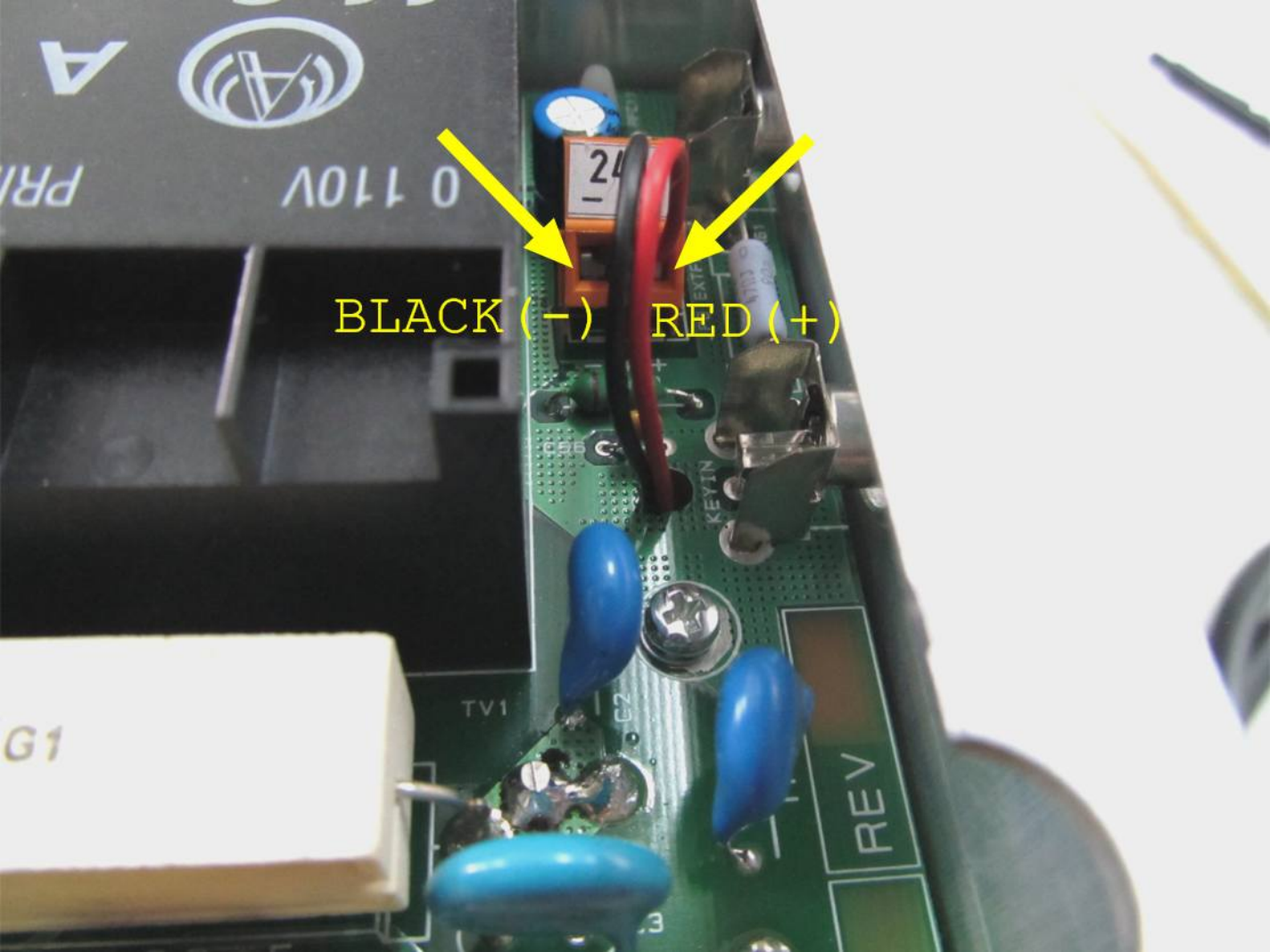
Nr	Discription	Quant.	Remarks
8	Fan filter - assembly	1	
7	Screw M4x14 DIN 965A	4	
6	Fan 92x92mm	1	
5	Glue Loctite 243	1	fixing nuts
4	Nut M4 DIN 934	8	Torque max-0.6 Nm
3	ACOM 1000 - chassis		
2	Wire form fan guard	1	
1	Screw M4x12 DIN 7985A	4	

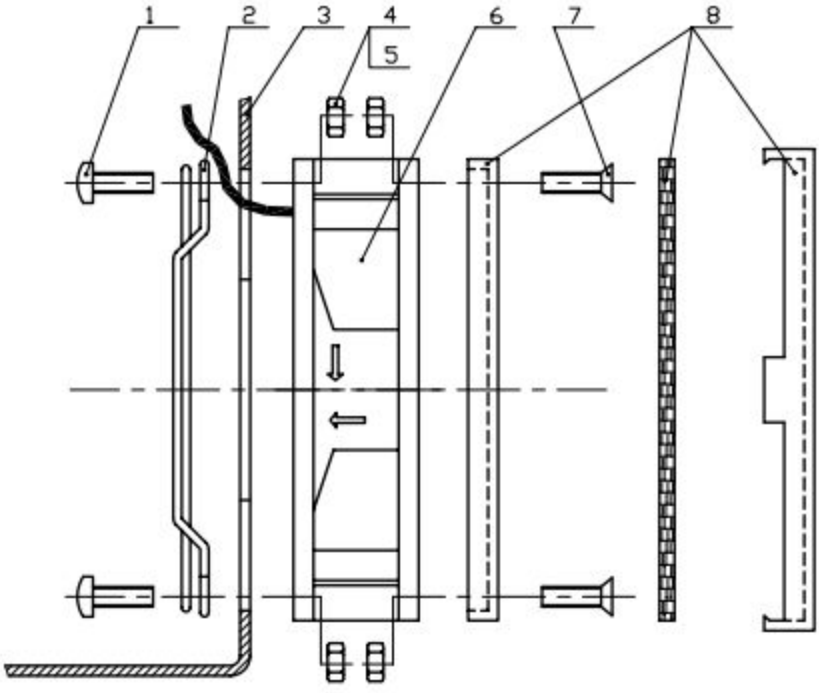
ACOM 1000 - INSTALLATION OF EXTERNAL FAN (OPTION)


+HV
2800V
+430V
-130V


ON
AIR FLOW
DIRECTION
(INFLATE
FROM OUTSIDE
TO INSIDE)


FAN LEADS
MOUNT SCREWS
(4 pcs)
INTERNAL
METAL GRID


BLACK(-)
RED(+)
0 110V
TV1
REV
KEYIN



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ACOM 1000 - INSTALLATION OF EXTERNAL FAN (OPTION)