

ZENER 8000 Replacement Fan kit

Part Number: AP18062

Description: Replacement Fan kit (Heatsink)

Compatibility: Suitable for the heatsink fan on the MSC-3 or ZENER 8000 chassis size B & C. Also suitable for the top heat exchanger fan on the 140 & 170A drive.

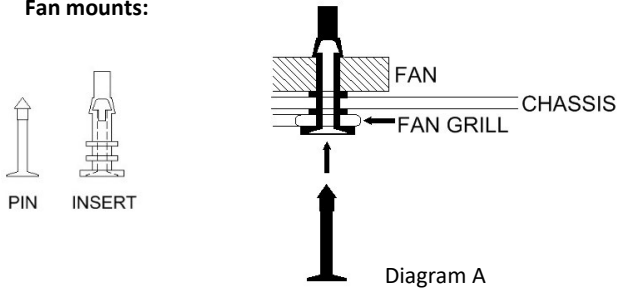
Parts Included in kit:

- Fan 120mm
- Fan Grill (Stainless Steel)
- 2x cable joiners
- 4x Rubber inserts
- 4x plastic pins
- 1x Cable tie

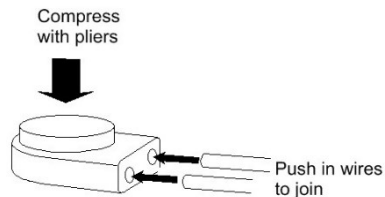
*******WARNING*******

Do not disassemble components inside the drive to locate plug for fan. The cable should be cut & joined within the heatsink chamber to ensure the IP66 integrity of the enclosure is maintained.

Fan mounts:



Scotch Lock Cable Joiners:



Procedure

Removal:

1. Isolate power to drive following all 'lockout procedures' and wait for drive to power down completely (about 3 minutes)
2. Remove fan cover assembly.
3. Check & clean out heatsink chamber if needed.
4. Cut the cable as close to the fan as possible.
5. Remove the fan(s) being replaced by the chassis plate.
The plastic pins can be removed by using a small pair of side cutters to lever them out, not cut them.
6. Remove the rubber inserts.

Installation:

7. Insert the new rubber inserts into the fan grill and then the chassis plate. Refer to diagram A. Use a pair of long nose pliers to pull into correct position.
8. Fit the new fan noting the direction of airflow and cable location. Using small longnose pliers pull the rubber through the fan mounting holes. The arrows on the fan must point inwards to the heatsink.
9. Insert the plastic pins to lock into position.
10. Cut the new fan wiring length to about 150mm. DO NOT STRIP THE WIRES.
11. Using the Scotch lock connectors provided join the cables. Push the unstripped cables fully into the connector (ie. max depth) and compress the scotch lock button using pliers. Ensure the correct polarity of cables.
12. Tidy up/shorten cables as much as possible ensuring the cables and connectors are clear from fan blades.
13. Refit the fan chassis plate assembly checking all cables are clear of blades.

Testing:

Apply power & run the drive to test the fans turn on and are operating in the correct direction. The fans must blow air in and through the heatsink. The fans are temperature controlled so will normally switch on when the heatsink reaches 40°C. The ZENER 8000 has the ability to turn the fans ON in the SERVICE menu.

If the fans do not operate there could be a wiring problem with the fan, such as incorrect polarity or open circuit joint OR a problem with the drives internal supply or fan drive circuit.

1. Recheck the fan wiring is correct and the join is good.
2. Check voltage (12V) on fan wiring OR return to ZENER for service/repairs.