

EXPERT 1K-fa, repair after Field day Contest 2017

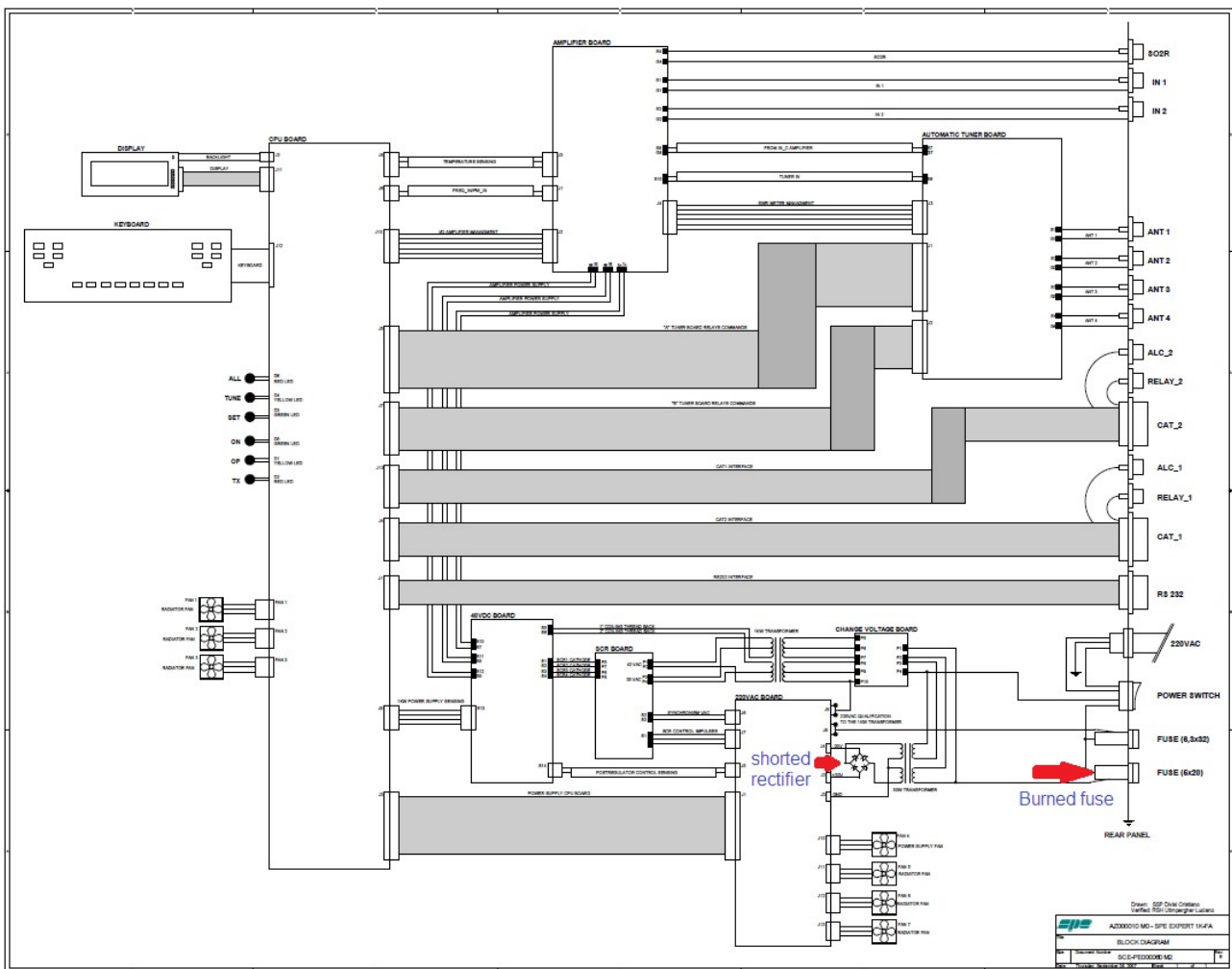
The Clubstation OZ6FRS is owner of an EXPERT 1K-fa since 2010, and was in use in the past Fieldday Contest September 2017, working on the 20 meter band, SSB and CW. Operating for approximately 20 hours and operating temperature was never higher than 65C.

The 220VAC/500mA fuse (6X20) burned at first POWER ON back in the club 3 days later.

The cause of the failure was traced to rectifier bridge KBPC808, where the negative side of diode bridge had short-circuited to ground

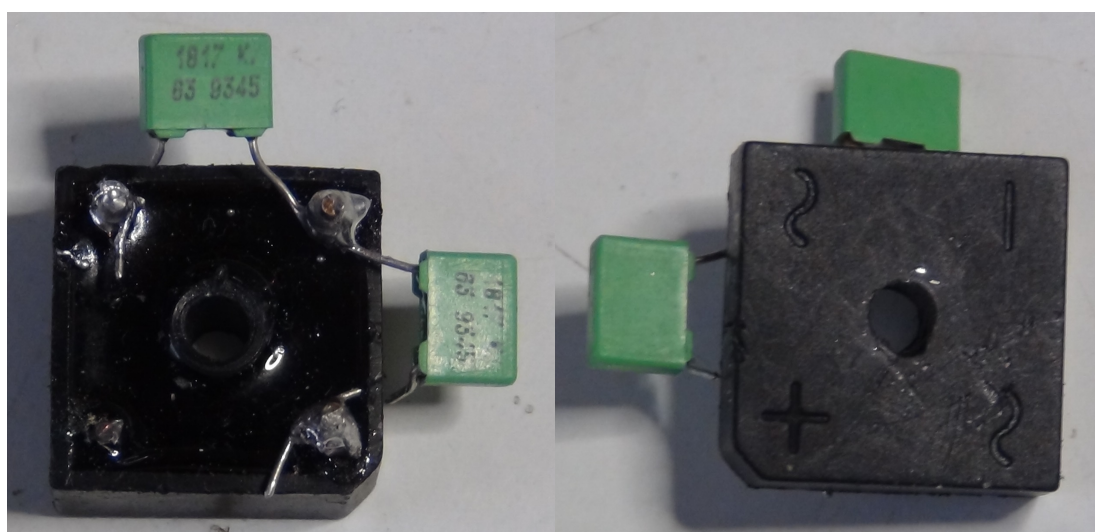
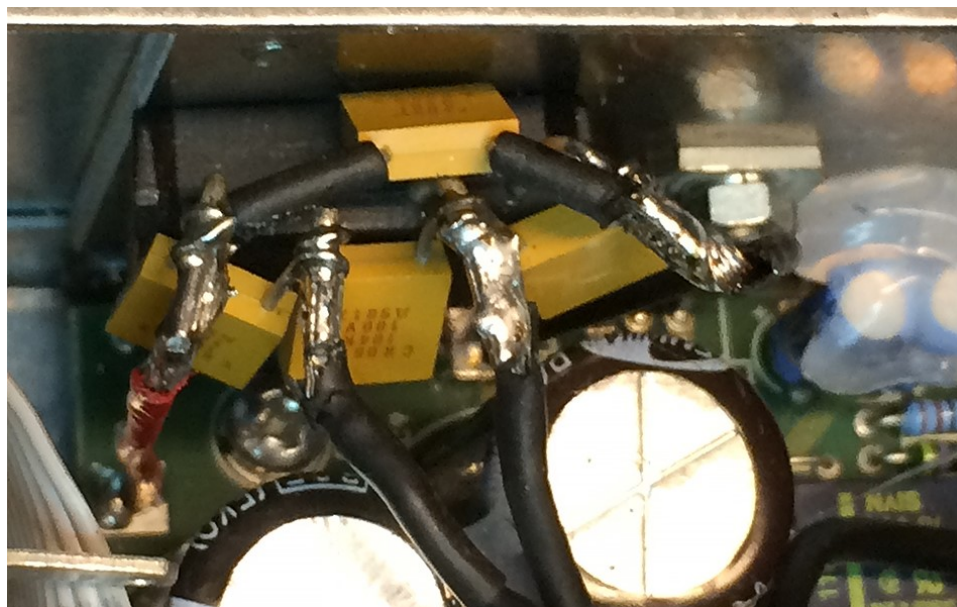
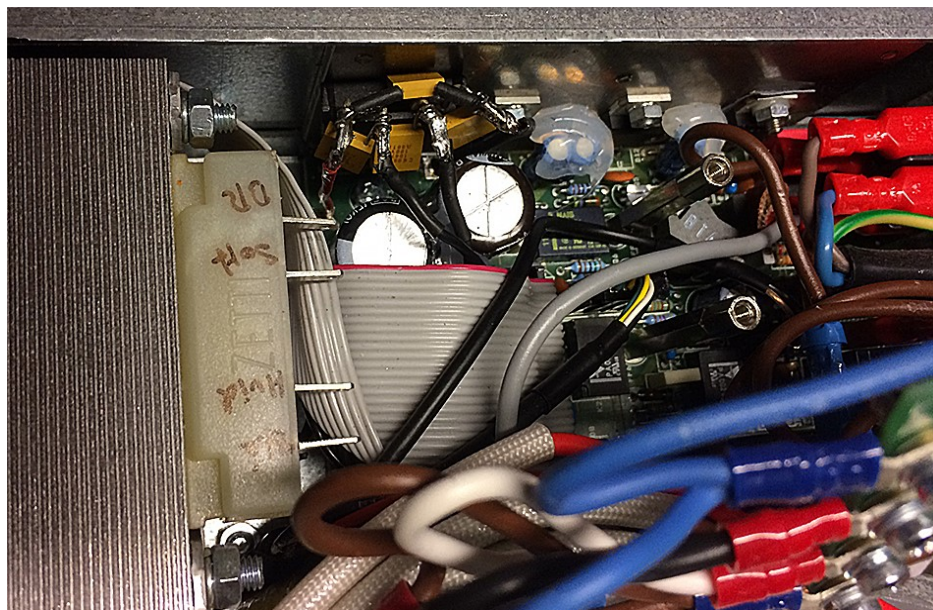
BUT, the big problem was to remove the rectifier bridge from its position, in order to avoid un-mount the complete 220VAC board.

We had to shorten the 3mm bolt by 2-3 mm (remember to keep the nut in place, and then cut as close as possible on top of the nut). Thereafter it was barely possible to remove the rectifier. We found a substitute PBU807 with minor better data, but a lot easier to remount.



The symbol for the rectifier is turned wrong in this picture.

EXPERT 1K-fa, repair after Field day Contest 2017



VY 73 de OZ8PG, OZ5RZ, OZ6YM