



Marti SRPT-30/40A Fan Replacement

Application Guide

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2/12/13
Rev. A

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Application Guide

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1 Fan Removal

1.1 Overview of the upgrade

This procedure describes replacing the internal fan in the SRPT-30/40A RPU. This is a fairly straight forward procedure requiring only basic mechanical and soldering skills.

2 Preparation

2.1 Overview / Estimated Completion Time

The replacement of the fan will take about 20 - 30 minutes.

2.2 Items / Tools required for the Replacement Process

- No. 1 Phillips Screwdriver
- No. 2 Phillips Screwdriver
- 5/16" nut driver
- Needle Nose Pliers
- Low wattage solder iron

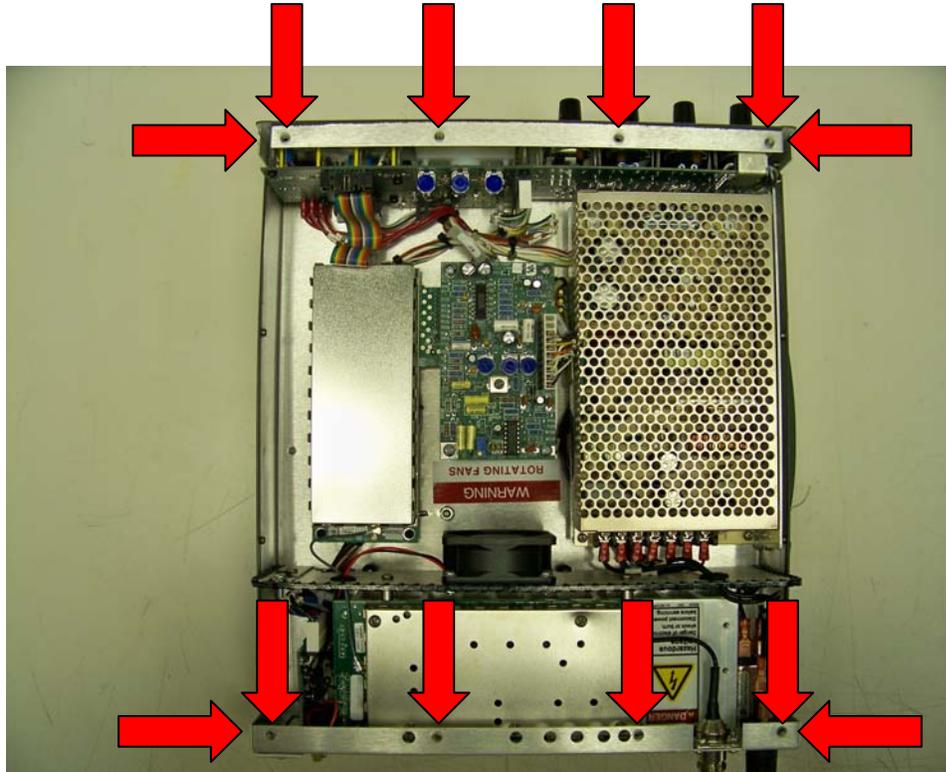
Before replacing the fan, remove the unit from service and place on work bench.



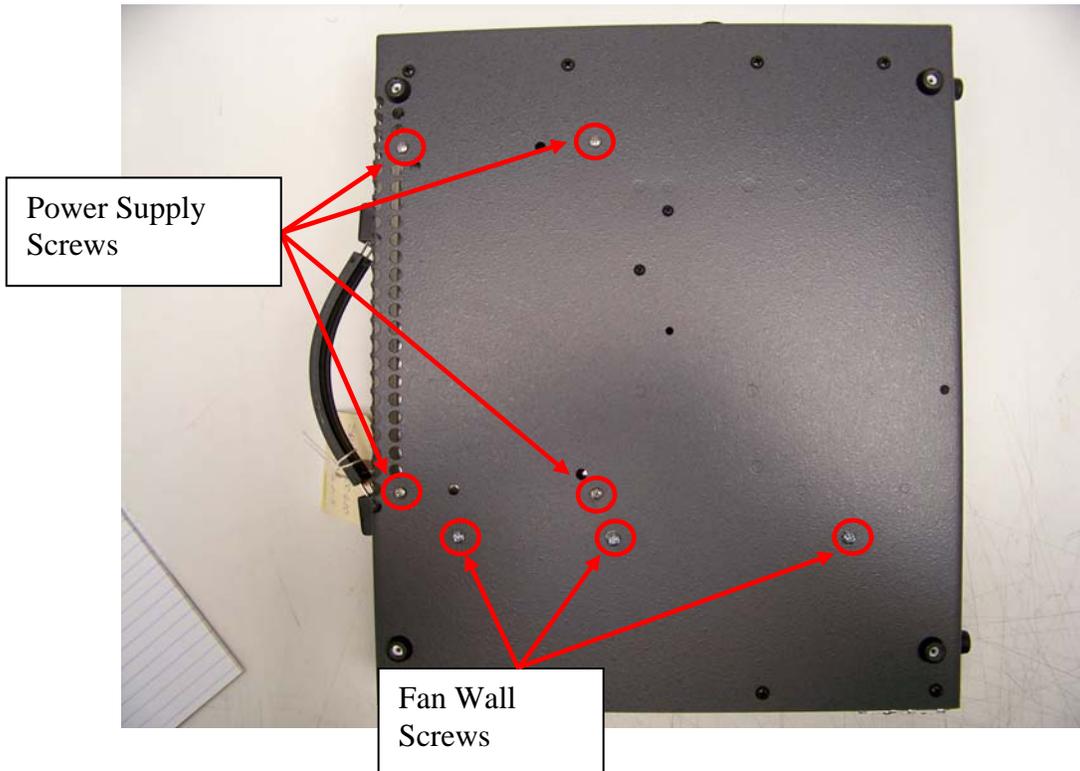
WARNING: ENSURE ALL PRIMARY POWER IS DISCONNECTED BEFORE PROCEEDING.

3 Remove Fan

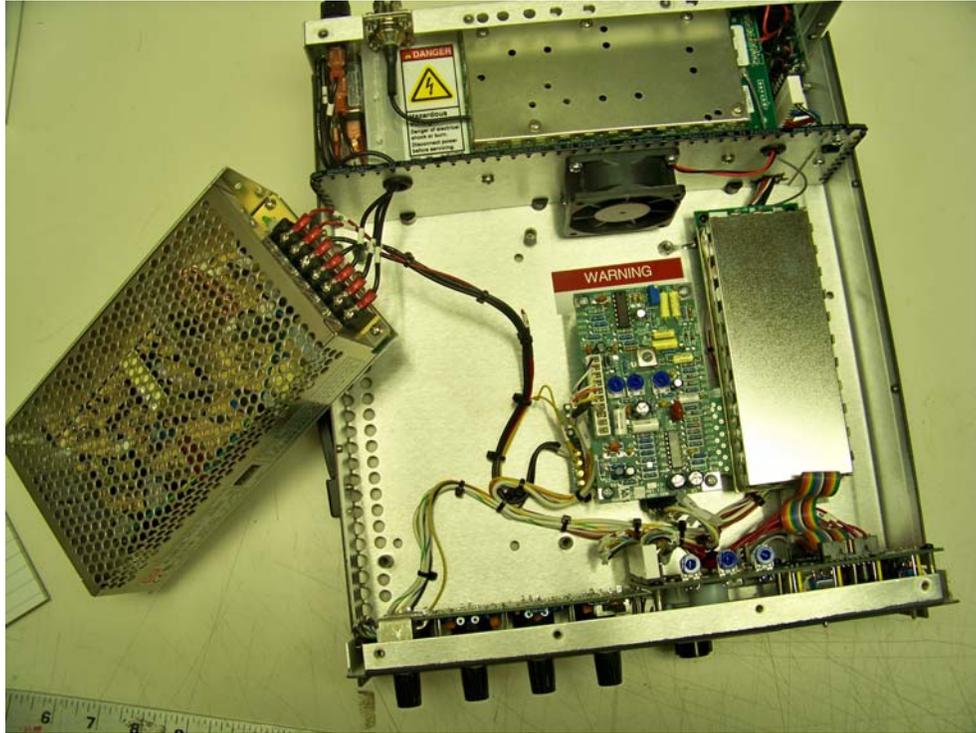
1. Remove the top cover from the unit by removing 12 screws; 8 on top and 4 on the side (one at each corner).



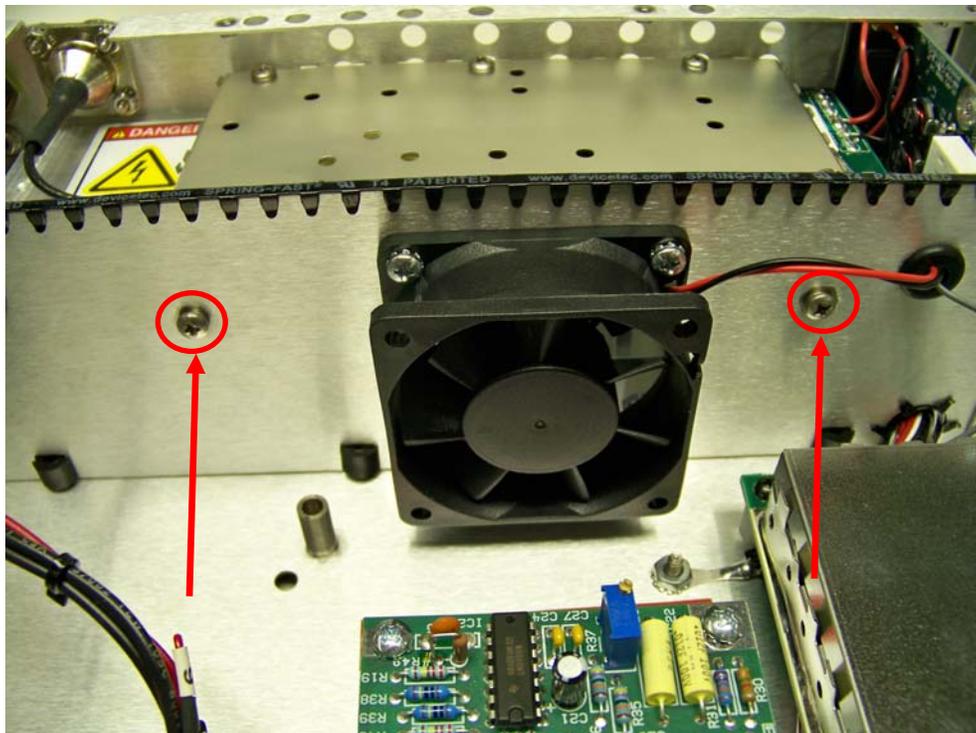
2. Remove the power supply screws and fan wall screws from bottom of unit.



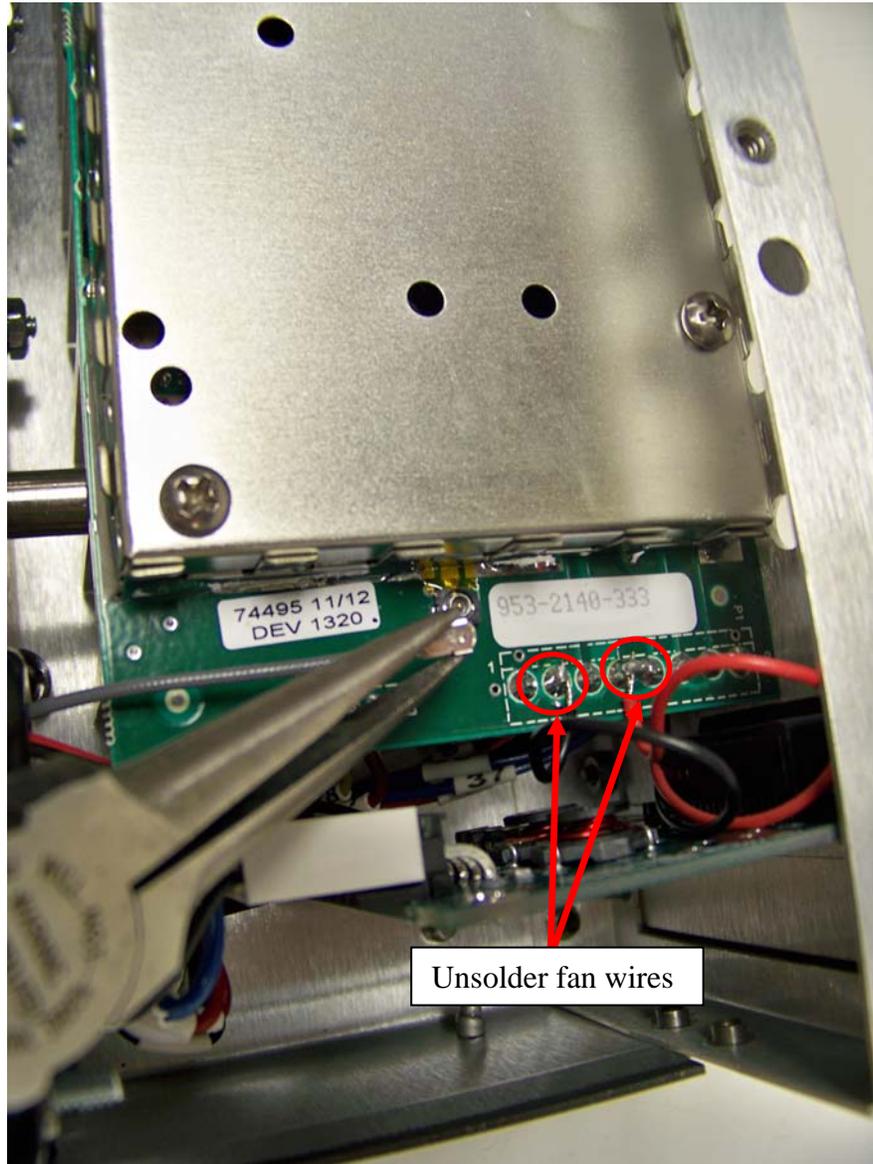
3. Lift and swing the power supply out of the way without disconnecting any wiring.



4. Remove two fan wall to heat sink screws.

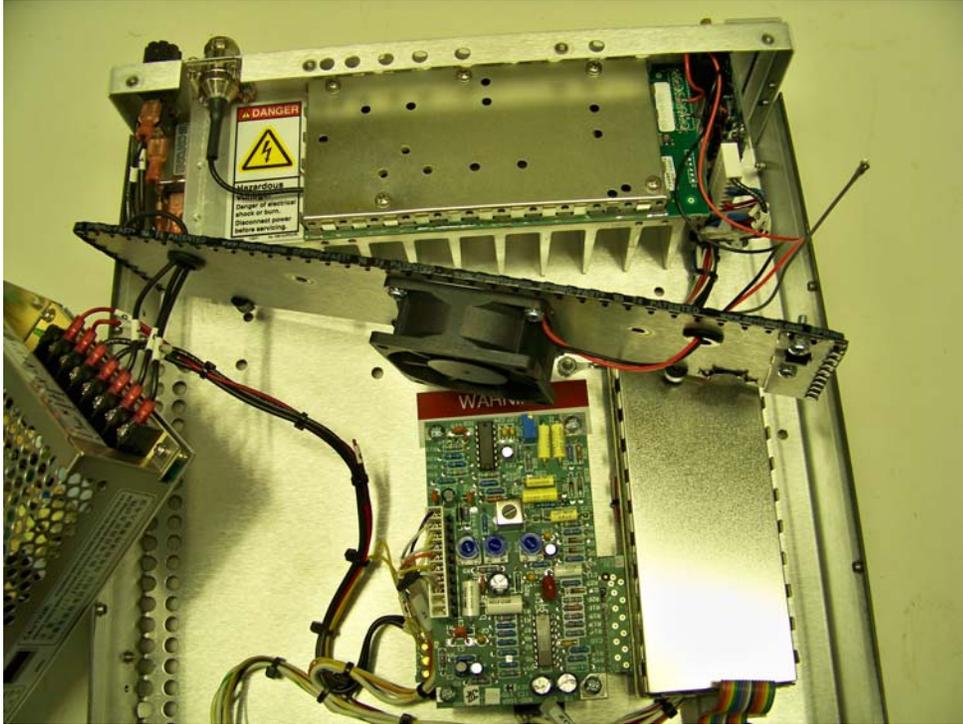


5. Unplug RF cable at PA by lifting straight up. Pull wire forward through grommet.

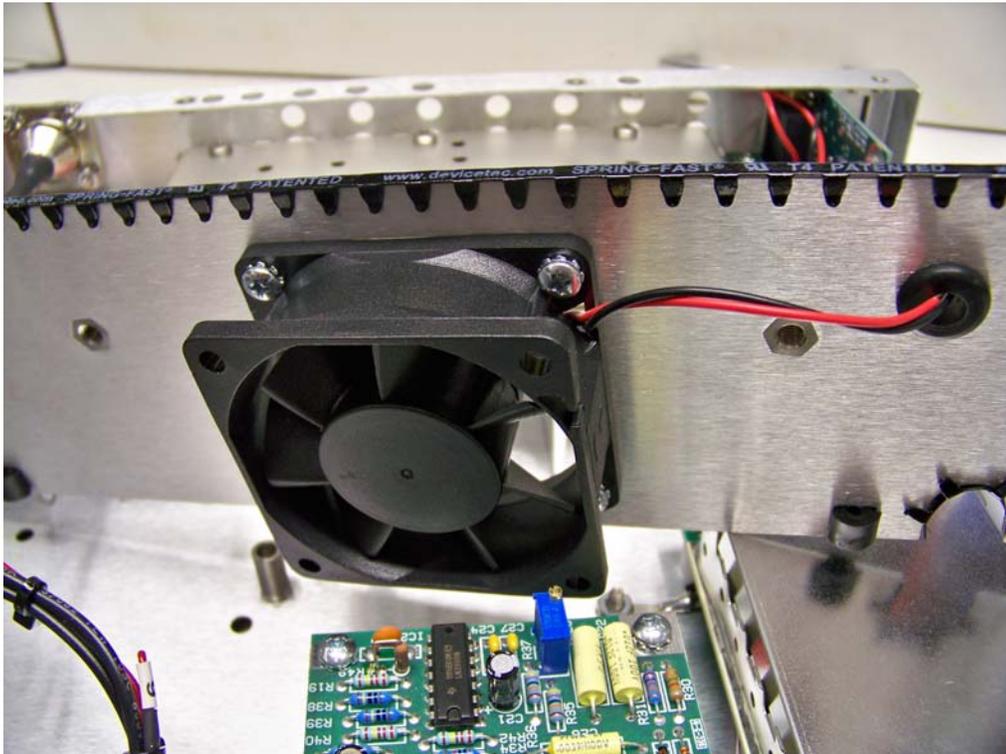


6. Unsolder fan wires from PA.
 - a. Black wire from pin 2
 - b. Red wire from pins 4-5

7. Lift fan wall out to gain better access to fan nuts.

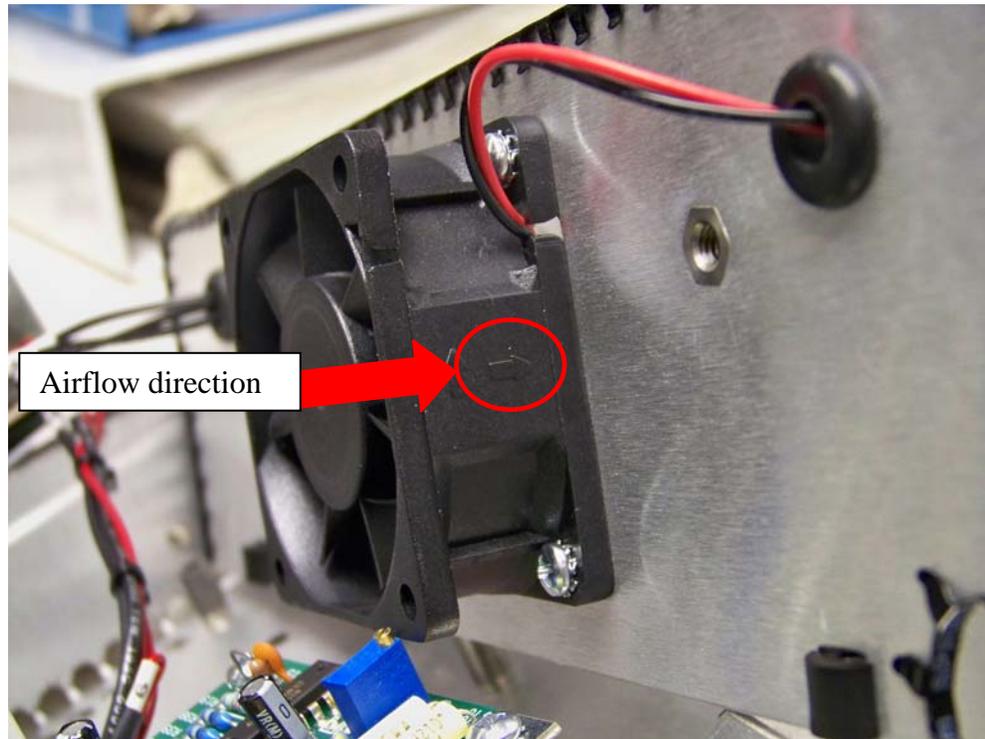


8. Remove fan. Four screws with four 5/16" nuts.



4 Fan Installation

1. Install the new fan and return the unit to working condition using a reverse order of the above procedure. Note that the fan airflow (as indicated by an arrow on the side of the fan) is towards the PA heat sink.



2. Care should be used when starting the fan wall screws into the PA heat sink to ensure they thread properly.

5 RF Technical Services Contact Information

RF Technical Services -

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