

Parafeed Capacitor Update

Level: Use this change if the “Parts Level” on the Main Board is marked “A”, “B”, “C”, or “D”.

Purpose: This change provides a subtle but noticeable improvement in the sound.

Scope: The parafeed capacitors, C1 and C2, are removed from the board, wrapped with wire ties and returned to the board. Extension wires may need to be soldered to the capacitor leads.

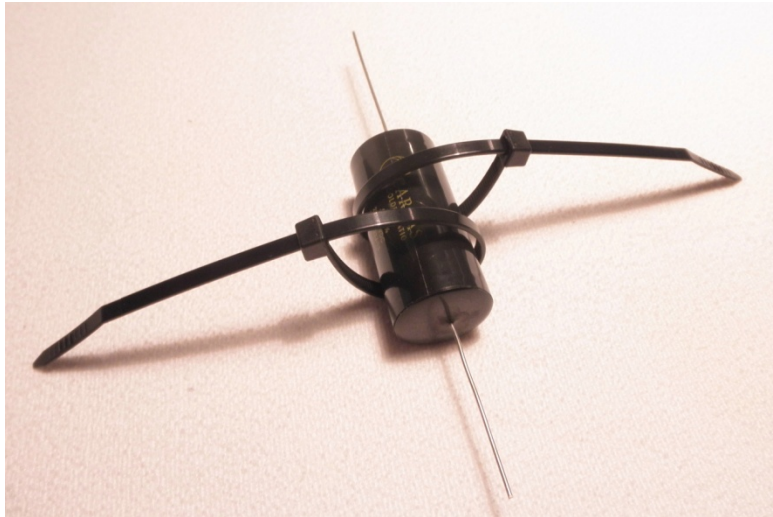
Parts Needed

Designator	Description	Quantity
	Wire tie, black, 0.19" wide, Radio Shack 278-1652 Digi-Key 298-1050-ND or equivalent	16
	#20 stranded wire (provisionally needed)	4"
C1, C2	0.68 μ F, 600V Cardas capacitor	recycle existing

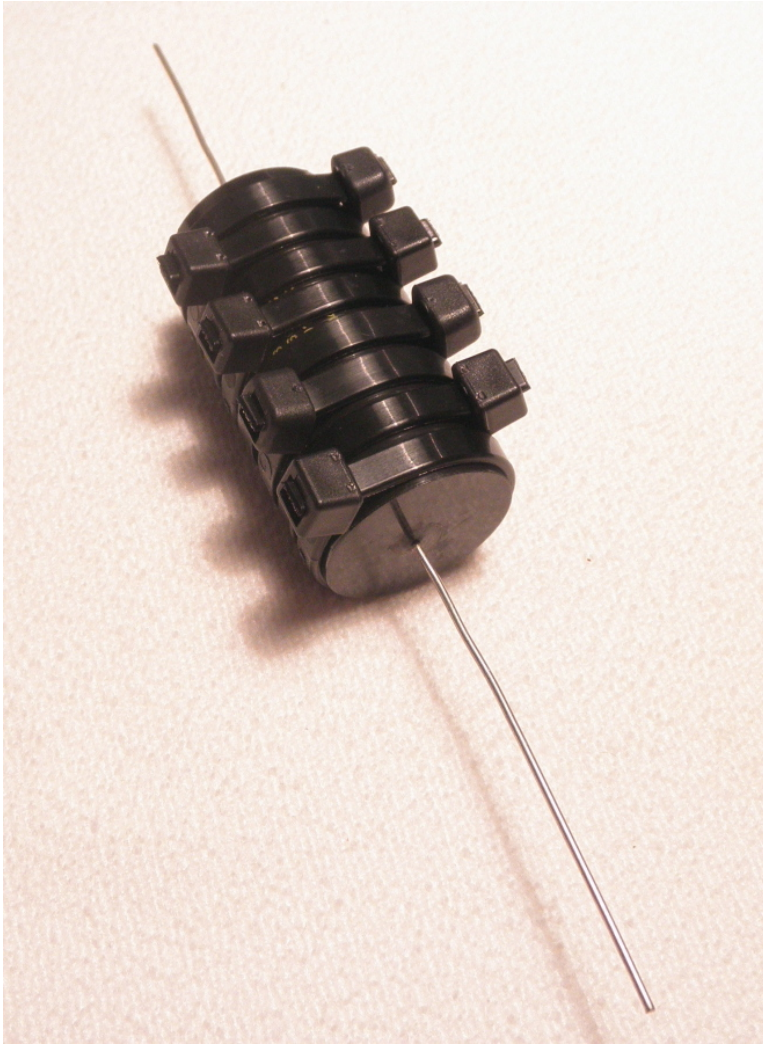
Special Tools: None

Instructions:

1. De-solder and Remove the two large black 0.68 μ F, 600V (marked on body) Cardas capacitors, C1 and C2, from the output board.
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2. Wrap each of the Cardas capacitors with eight wire ties.
 - Alternate the direction on alternate ties so that the wire tie ends do not interfere with each other.
 - Pull the wire ties moderately tight by hand and do not use a tool to tighten them. If a tie is too tight it will cut into the capacitor and cause an internal short circuit.
 - Think of tying a shoe – it should be snug enough so that it doesn't move easily on the foot, but not so tight as to cut off circulation. A tie should be tight enough so it will not move sideways easily, and loose enough so that you can rotate the tie without exerting much force.
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3. Trim the ends of the wire ties.
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Depending on how long the leads on the capacitors are, you may need to extend them.

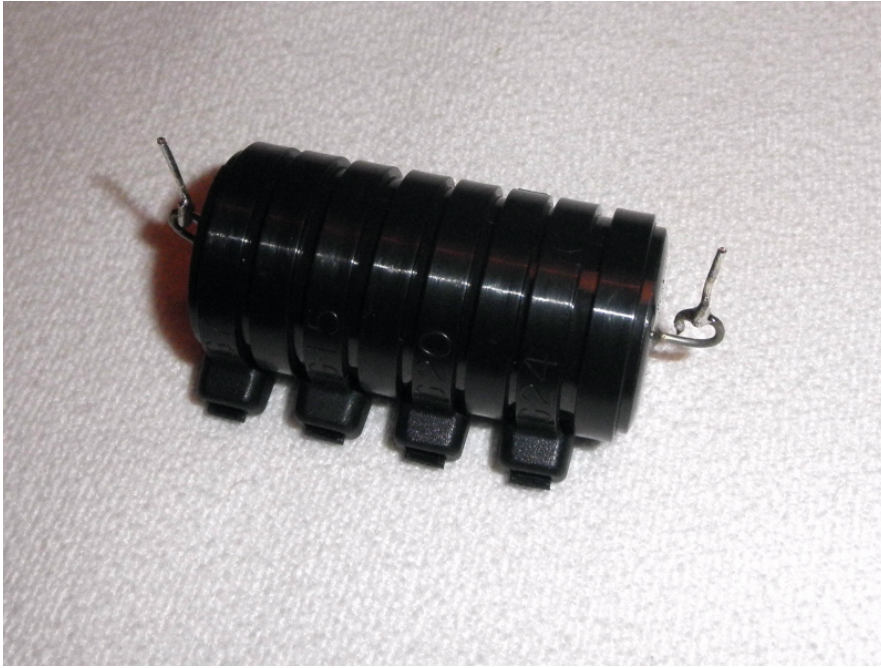
4. Place the two capacitors back in their locations and see if the wire leads will fit down into the holes on the board.
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5. If the leads do fit down into the holes, solder the leads.

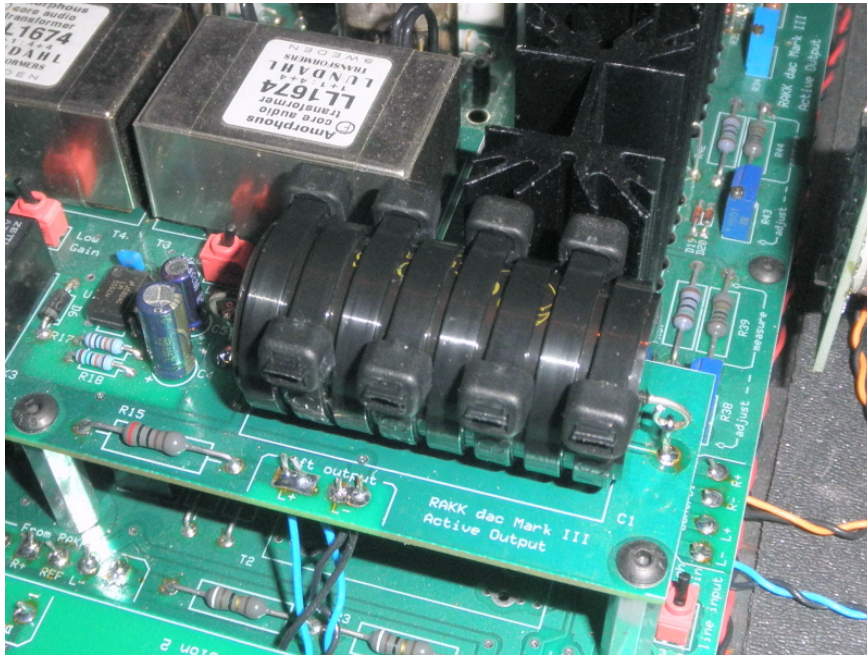
You are finished.

6. If the leads do not fit down into the holes, you will need to extend the leads.
Perform the instructions below.

- Form the leads on the capacitors into loops.
- Solder short pieces of wire to the loops.



7. Place the two capacitors back in their locations and solder them in place.



You are finished.
