

# KFL1-4 KIT CHANGES AND MANUAL ERRATA

Rev. A-4, January 17, 2011

## READ THIS AND MAKE THE INDICATED CHANGES BEFORE YOU BEGIN ASSEMBLY OF YOUR KIT

- Parts Inventory, page 2:** We have changed the values of four capacitors to improve the temperature stability of the KFL1-4's band-pass filters and make them easier to align. Change each of these values in the parts list:  
**C9:** 2 or 2.2 pF (was 1 pF)  
**CJ:** 2.7, 3.0, or 3.3 pF (was 2 or 2.2 pF)  
**C10 and CK:** 4.7 or 5 pF (was 2.7, 3.0, or 3.3 pF)
- Parts Inventory, page 2:** The trimmer capacitors supplied with your KFL1-4 kit are different from the ones originally supplied. Change the description for C1 through C8 and CA through CH to "Trimmer Capacitor, 1-40 pF." Change the part number to E540002.
- Page 4:** Replace the note at the top of the page, Figure 1, and the step after with the following. You can cut out the changes below and paste them over the existing note, figure and step on the page.



The approximate locations of the 16 trimmer capacitors on the Filter board are shown in Figure 1. Relays K3-K6 are shown for reference. **Note that each trimmer's body has a narrow end, and that they are not all oriented in the same direction.** The trimmers must be oriented as shown to keep their rotor terminals at ground potential. This will allow them to be aligned with a metallic tool.

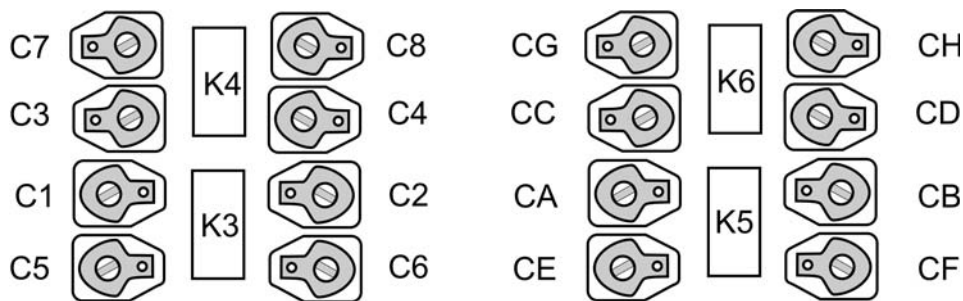


Figure 1



Install trimmer capacitors C1-C8 and CA-CH with their narrow ends oriented as indicated above (toward the flat side of the outline on the pc board). Each trimmer must be gently pressed down as far as it will go, but be careful not to bend the leads.

- Page 5, second assembly step:** Change C9 to "2 or 2.2 pF."
- Page 5, fifth assembly step:** Change C10 to "4.7 or 5 pF."
- Page 5, sixth assembly step:** Change CJ to "2.7, 3.0 or 3.3 pF" and change CK to "4.7 or 5 pF."
- Page 19, first assembly step:** If your K1's RF board is revision E or later, this step should read: "Move the RF DET jumper (on 3-pin header P3) to the 'K1' position." Do not solder or unsolder R36 as was necessary with older K1 RF boards.
- Page 20, second step (KAT1 re-installation):** If your K1's RF board is revision E or later, the instructions in part 2 of this step should read: "Move the RF DET jumper (on P3) to the 'KAT1' position." Do not solder or unsolder R36, as was necessary with older K1 RF boards.
- Page 23 (schematic):** Change C9 to 2 pF, C10 to 5 pf, CJ to 3 pF and CK to 5 pF.