Someone asked me to post the list of "caps that must go" in a KWS-1. Here is the list I compiled after doing mine.

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KWS-1 Capacitor Replacement List
1/31/96

Here is the Cap list:

C-325 .0033uf @400V
C-324 .47uf @1000V
C-403 .1uf @2000V
C-413 .1uf @1500V

C-113 .01uf @400V
C-115 .01uf @400V
C-122 .001uf @400V
C-127 .1uf @1500V
C-134 .1uf @1500V
C-303 .033uf @400V

Power supply:
C-506 .022uf @400V

There are also the blue capacitors in the audio section.

C-116 .5uf @2000V
C-114 .2uf @2000V
C-106 .5uf @600V

Jack, WB8BFS said that his ALC meter drift problems were cleared up after replacement.

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Chuck Rippel - WA4HHG
Board Member and Secretary to the Collins Collectors Association
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Hi Group:

For those who asked more about the usual bad caps in a 75A-4. Chuck Ripple called the "seven deadly caps".

C-34  100pfd  V-3  pin 3  
C-52  4 pfd    V-5  pin 7  
C-68  470pfd  V-7  pin 2  
C-75  470pfd  V-8  pin 8  
C-81  470pfd  V-9  Pin 1  
C-104 470pfd  V-21 pin 1  

"Butch, KOBS"-- Later Added to the list 3 more troublesome micas:

C-71  1000pfd  V-7  pin 6  a high failure item  
C-95  .01uf   V-11 pin 6  
C-96  .01uf   V-12 pin 2  

Jerry Solomon added:

C-147  V-12 Pin 1  
C-148  V-12 pin 2/5  

Also:

C-113  50ufd 150vdc Bias Supply  to much higher voltages  
C-137  50ufd 150vdc Bias Supply  to much higher voltages  

and of course any source of heavy hum puts it right back to the three section Electrolytic:

C-94 a,b, c,  40ufd/40ufd/40ufd 300vdc. High Voltage supply--get higher working voltages. These tend to go out fast after a set has not been used for a long time. Reform carefully.

C-124 B+ Bypass Capacitor .5ufd 200vdc. Collins lists it incorrectly as a .5mmf. Might have to use a very stout .47ufd 300+ volts.

Also: On the Black Beauties--they are a real controversy--some sets showed them perfect; others showed them leaking; when disconnected from the circuit; they made very little difference "In my Opinion". They are all .1mfd. They are usually in the way of these others so I generally change them out. However, they are in no way any where near the problems of any of the other above mentioned caps; again in my opinion; I think Butch might agree. And they are very Pretty but.....

Regards,

Jerry  W6CCC