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Reply-To: crippel@exis.net
Sender: Collins Collectors List <COLLINS@LISTSERV.TEMPE.GOV>
Comments: Authenticated sender is <crippel@exis.net>
From: Chuck Rippel <crippel@EXIS.NET>
Subject: KWS-1 "Deadly Caps" List
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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.

KWS-1 Capacitor Replacement List
1/31/96

Here is the Cap list:

C-325 .0033uf @400V
C-324 .47uf @100V
C-403 .1uf @200V
C-413 .1uf @150V

C-113 .01uf @400V
C-115 .01uf @400V
C-122 .001uf @400V
C-127 .1uf @150V
C-134 .1uf @150V
C-303 .033uuf @400V

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

There are also the blue capacitors in the audio section.

C-116 .5uf @200V
C-114 .2uf @200V
C-106 .5uf @600V

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

Chuck Rippel - WA4HHG
Board Member and Secretary to the Collins Collectors Association
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To: COLLINS@LISTSERV.TEMPE.GOV
Subject: 75A-4 Caps -- For those who Asked---And then there were "15 Bad
Little Caps" + Beauties
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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 they 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