

Display

Date: **October 11, 1993**

Subject: **CORRECTING PICTURE SHADING**

Model: **BKM-2085-14/2085-20**
BVM-1310/1315/1910/1915

Serial No: **SEE TEXT**

DESCRIPTION

To correct undesirable picture shading, perform the following modification procedure.

Table 1 shows applicable serial numbers.

Table 1

Model	Serial No.
BVM-1310	2,000,001 and higher
BVM-1315	
BVM-1910	
BVM-1915	
BKM-2085-14	2,000,771 and higher
BKM-2085-20	2,000,636 and higher
BKM-2090-14	2,000,201 and higher
BKM-2090-20	2,000,246 and higher

PARTS REQUIRED

Part No.	Description	Qty.
1-126-103-11	Cap, Elect, 470 μ F, 16V	6
1-124-903-11	Cap, Elect, 1 μ F, 50V	1
1-124-119-00	Cap, Elect, 330 μ F, 16V (C41, 42, 43, 71, 72, 73, 103, 133)	8
1-126-101-11	Cap, Elect, 100 μ F, 16V	28
1-123-356-00	Cap, Elect, 10 μ F, 16V	6

MODIFICATION PROCEDURE

BG Board, Solder Side (See Figure 1.)

1. Replace the following capacitors with new 470 μ F electrolytic capacitors: C101, 105, 131, 135.

2. Replace the following capacitors with new 330 μ F electrolytic capacitors: C103, 133.
3. Solder a new 1 μ F electrolytic capacitor between base of Q44 and R92 (-12V).

BH Board, Solder Side (See Figure 2.)

Replace the following capacitors with new 330 μ F electrolytic capacitors: C41, 42, 43, 71, 72, 73.

BA Board, Solder Side (See Figure 3.)

1. Replace the following capacitors with new 470 μ F electrolytic capacitors: C11, 51.
2. Replace the following capacitors with new 100 μ F electrolytic capacitors: 12, 13, 14, 15, 16, 17, 52, 53, 54, 55, 56, 57.
3. Reposition C402, C502, and C602 as shown in Figure 3.

BA3 Board (1-637-137-11) Component Side (See Figure 4.)

1. Remove electrolytic chip capacitors C102, 202, 302, 402, 502, and 602.
2. Solder six new 10 μ F electrolytic capacitors at new positions shown in Figure 4.
3. Add 16 new 100 μ F electrolytic capacitors in parallel with the following existing capacitors: C32, 33, 42, 43, 111, 114, 211, 214, 311, 314, 411, 414, 511, 514, 611, 614.

BA3 Board (1-637-137-12/13) Component Side (See Figure 5.)

1. Remove electrolytic chip capacitors C102, 202, 302, 402, 502, and 602.
2. Solder six new 10 μ F electrolytic capacitors at new positions shown in Figure 5.

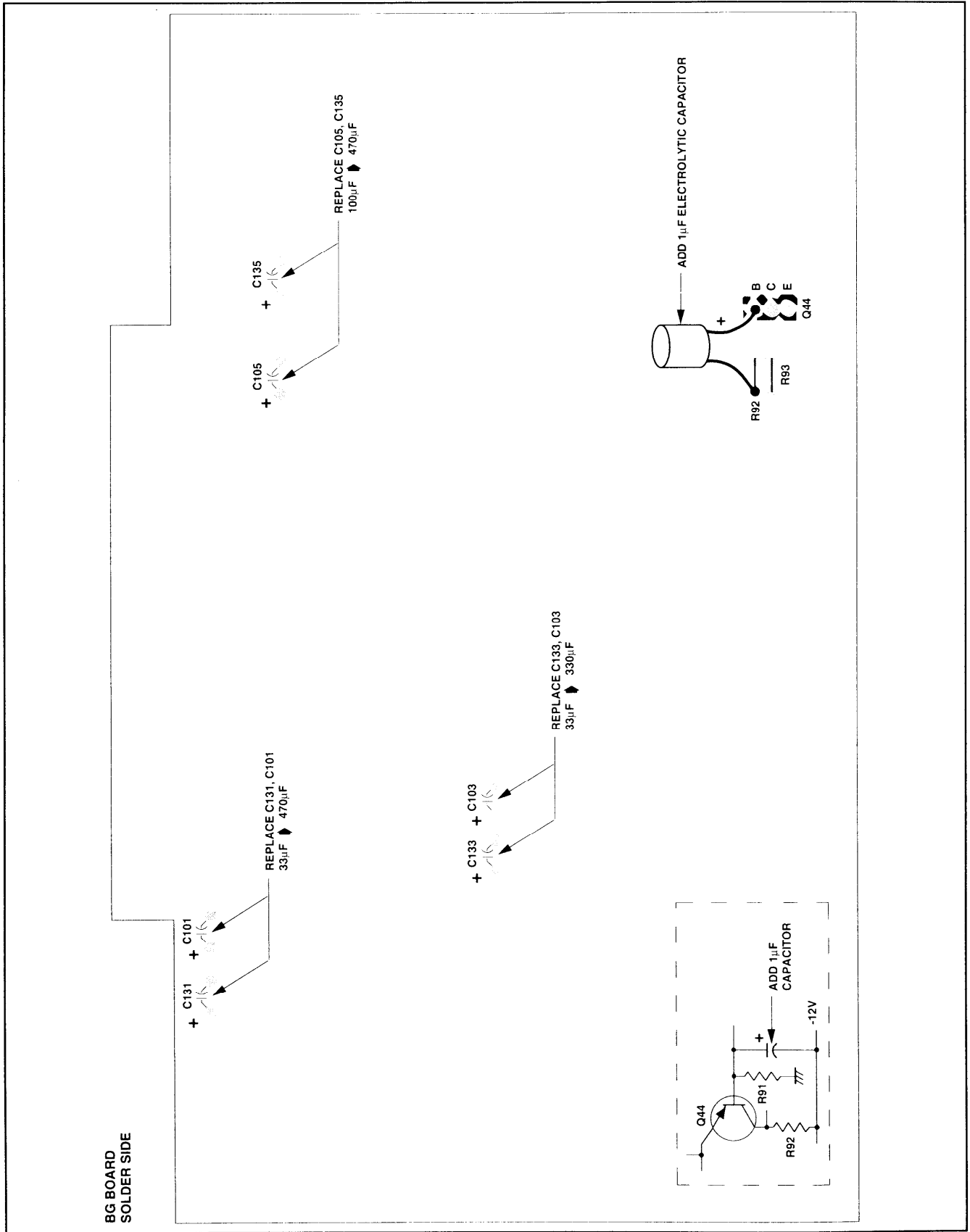


Figure 1

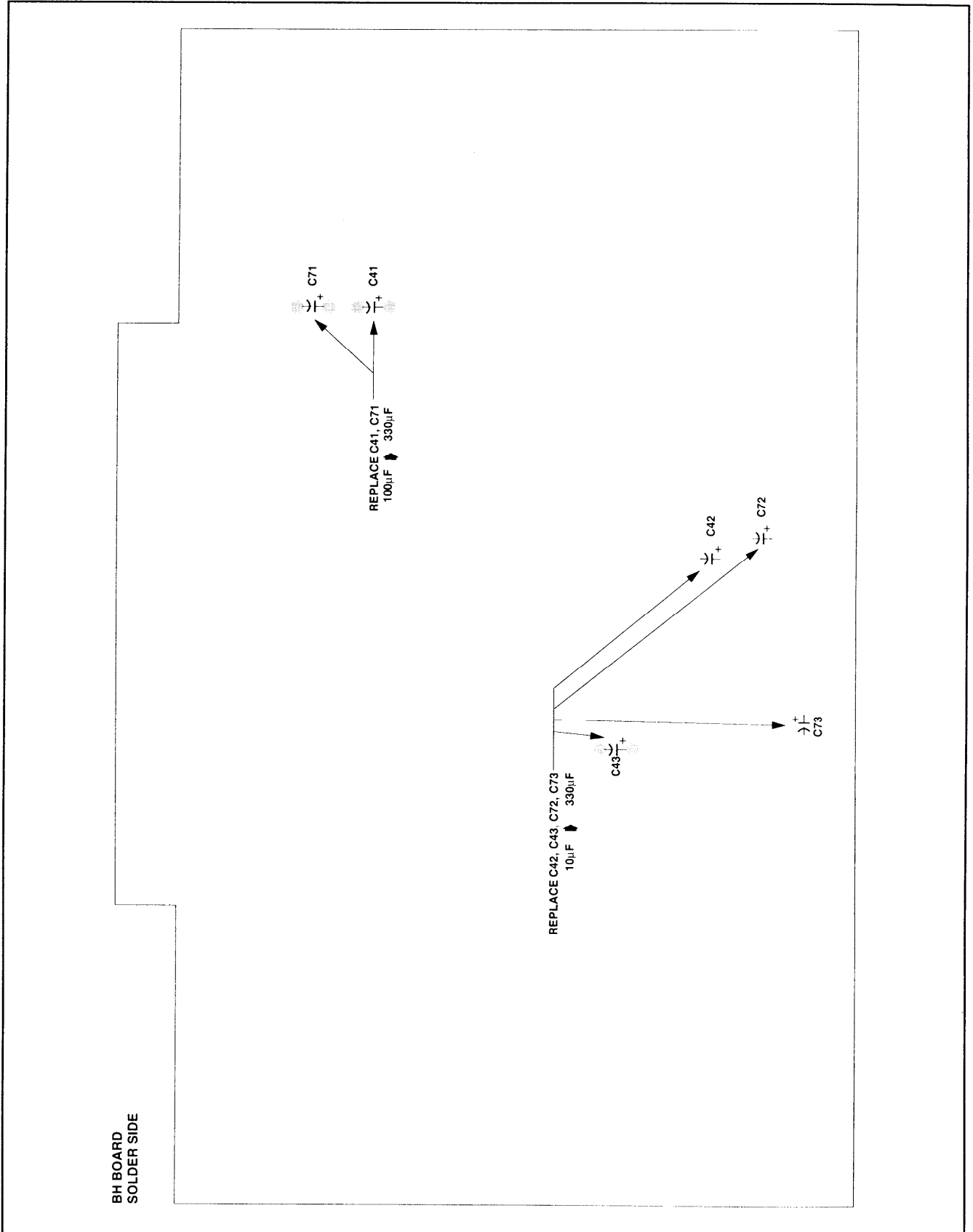


Figure 2

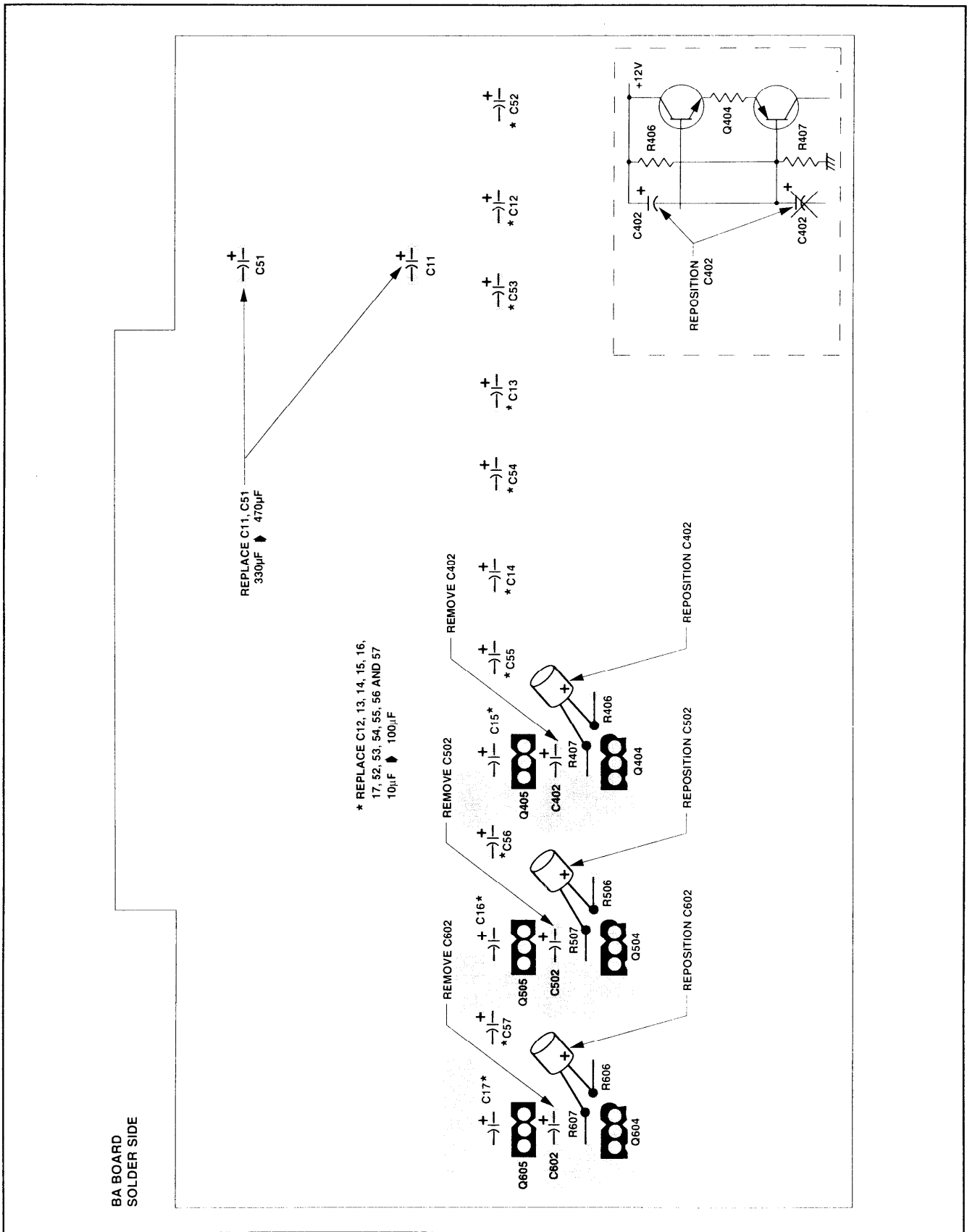


Figure 3

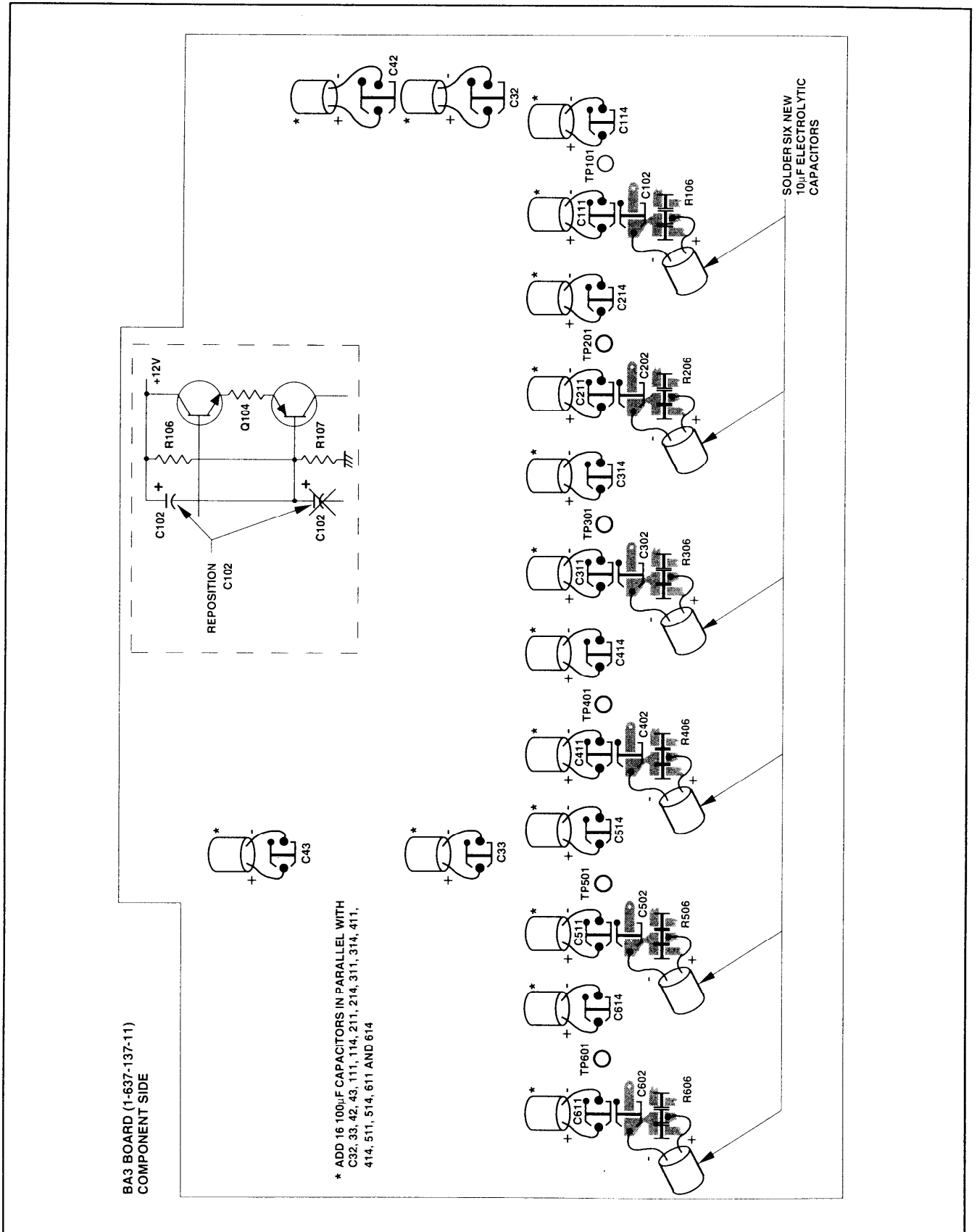


Figure 4

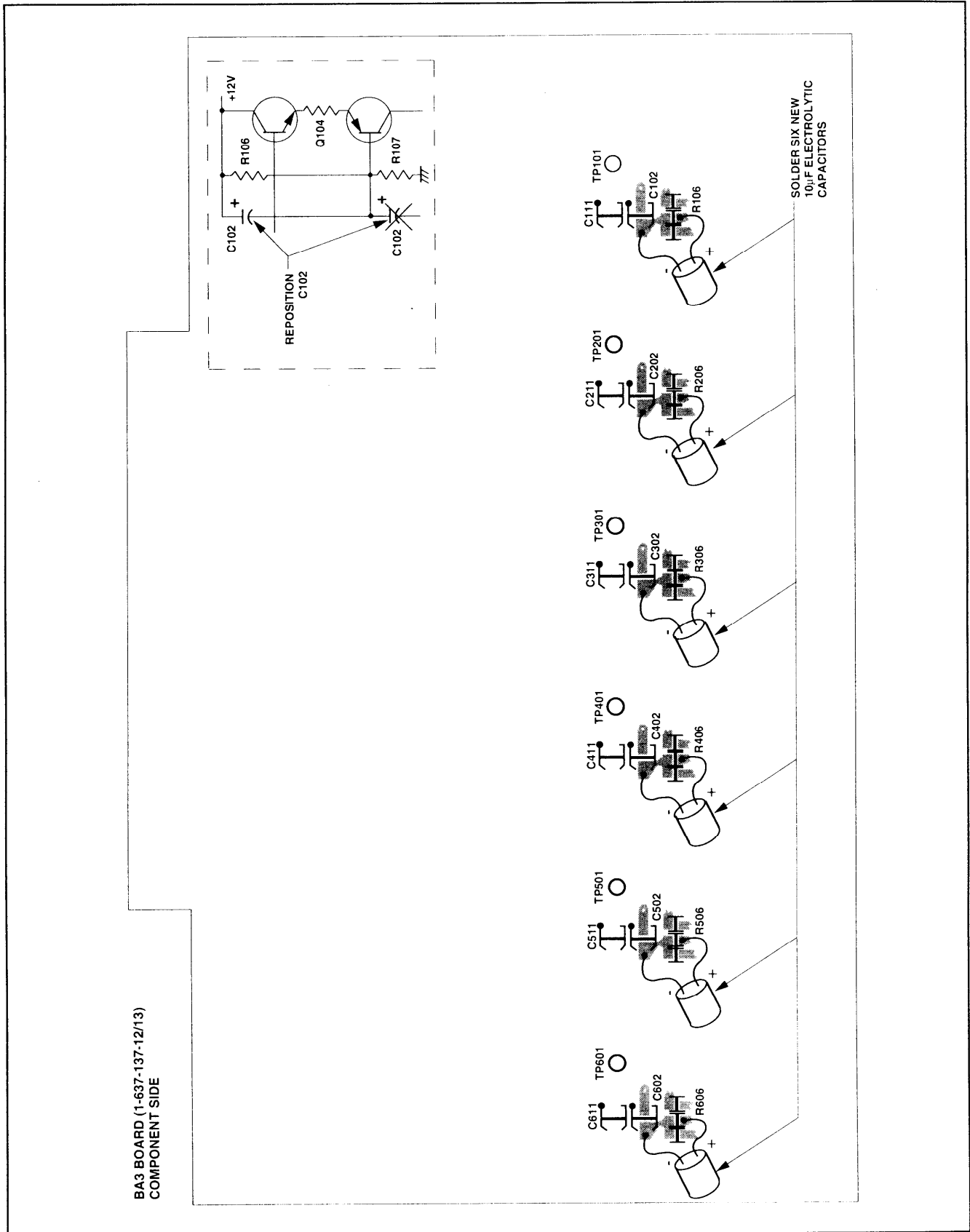


Figure 5