

FOLDER 1  
SET 427  
ADMIRAL CHASSIS 18A6C, CB, T, TB, 18B6C, CB, T, TB, 18UA6C, CB, T, TB, 18UB6C, CB, T, TB, 8R1

PHOTOFACT\* Folder



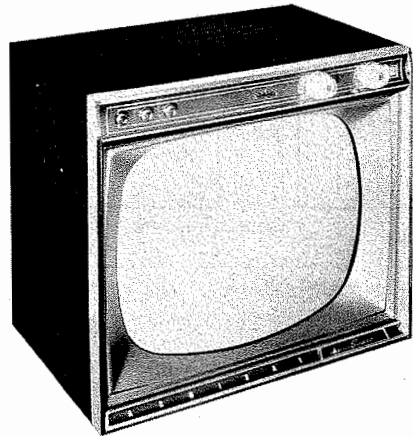
with CIRCUITRACE

ADMIRAL CHASSIS 18A6C, CB, T, TB, 18B6C, CB, T, TB, 18UA6C, CB, T, TB, 18UB6C, CB, T, TB, 8R1

## DISASSEMBLY INSTRUCTIONS

### CHASSIS REMOVAL

1. Remove rear cover by sliding retaining clips inward.
2. Remove speaker leads.
3. Remove 5 bottom chassis bolts.
4. Remove 4 metal bolts holding chassis support brackets at rear of cabinet.
5. Remove chassis from front of cabinet.



MODEL T21UG12 (Ch. 18UB6T)

### CAUTION

ONE SIDE OF AC LINE CONNECTED TO CHASSIS.

Care should be exercised when connecting test equipment or physically contacting chassis. Isolation devices employed by manufacturer should be checked and properly connected before returning receiver to owner.

| TRADE NAME   | Admiral   | MODELS  | CHASSIS |
|--------------|---|---|---------|
|              |   | C21G2, C21G3 .....  | 18A6C   |
|              |   |   | 18A8CB  |
|              |   | T21G1, T21G2 .....  | 18A6T   |
|              |   |   | 18A6TB  |
|              |   | C21G12, C21G13, C21G14, C21G22, C21G23, C21G24, L21G12, L21G13, L21G14 .....                  | 18B6C   |
|              |   |   | 18B6CB  |
|              |   | T21G11, T21G12, T21G13 .....  | 18B6T   |
|              |   |   | 18B6TB  |
|              |   | CS21G62, CS21G63, CS21G64, LS21G42, LS21G43, LS21G44 .....                                    | 18C6C   |
|              |   | TS21G22, TS21G23 .....  | 18C6T   |
|              |   | C21UG2, C21UG3 .....  | 18UA6C  |
|              |   |   | 18UA6CB |
|              |   | T21UG1, T21UG2 .....  | 18UA6T  |
|              |   |   | 18UA6TB |
|              |   | C21UG12, C21UG13, C21UG14, C21UG22, C21UG23, C21UG24, L21UG12, L21UG13, L21UG14 .....         | 18UB6C  |
|              |   |   | 18UB6CB |
|              |   | T21UG11, T21UG12, T21UG13 .....   | 18UB6T  |
|              |   |   | 18UB6TB |
|              |   | CS21G62, CS21G63, CS21G64, LS21G42, LS21G43, LS21G44, TS21G22, TS21G23 (Remote Control) ..... | 8R1     |
| MANUFACTURER | Admiral Corp., 3800 W. Cortland St., Chicago 47, Illinois                                 |   |         |
| TUBES        | VHF - Seventeen, UHF - Eighteen, Remote Chassis - Eight                                   |   |         |
| POWER SUPPLY | 110-120 Volts AC, 60 Cycle  |   |         |
| TUNING RANGE | Channels 2 thru 13 VHF, 14 thru 83 UHF, Video IF 45.75MC, Sound IF 41.25MC (Intercarrier) |   |         |

SERVICING IN THE FIELD LOCATED ON PAGE 13

### HOWARD W. SAMS & CO., INC. Indianapolis 6, Indiana

The listing of any available replacement part herein does not constitute in any case a recommendation, warranty or guaranty by Howard W. Sams & Co., Inc., as to the quality and suitability of such replacement part. The numbers of these parts have been compiled from information furnished to Howard W. Sams & Co., Inc., by the manufacturers of H929

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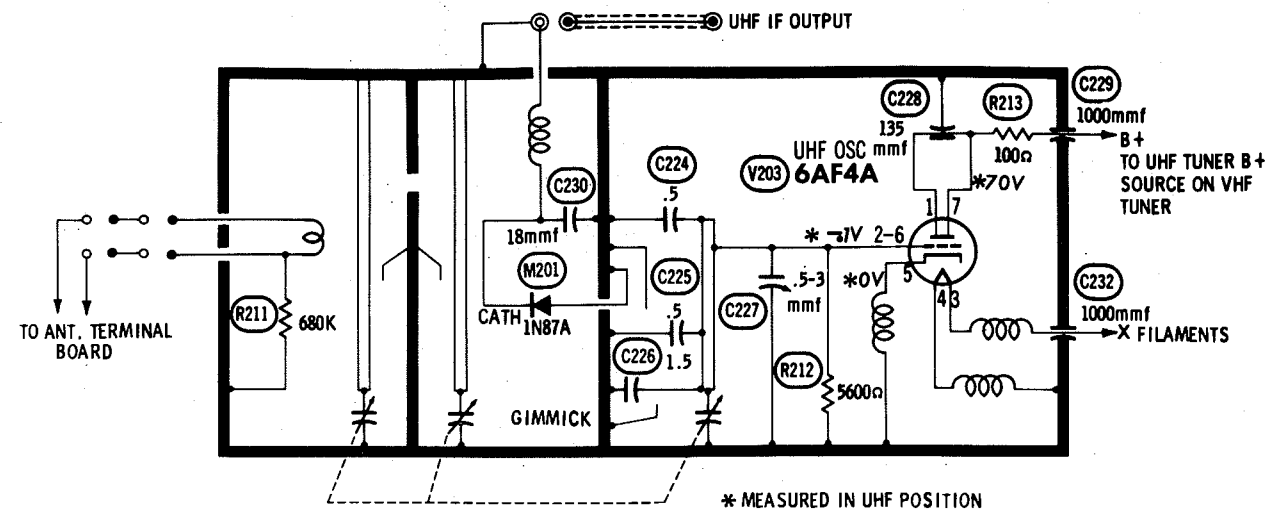
SET 427

FOLDER 1

ADMIRAL CHASSIS 18A6C, CB, T, TB, 18B6C, CB, T, TB, 18UA6C, CB, T, TB, 18UB6C, CB, T, TB, 8R1

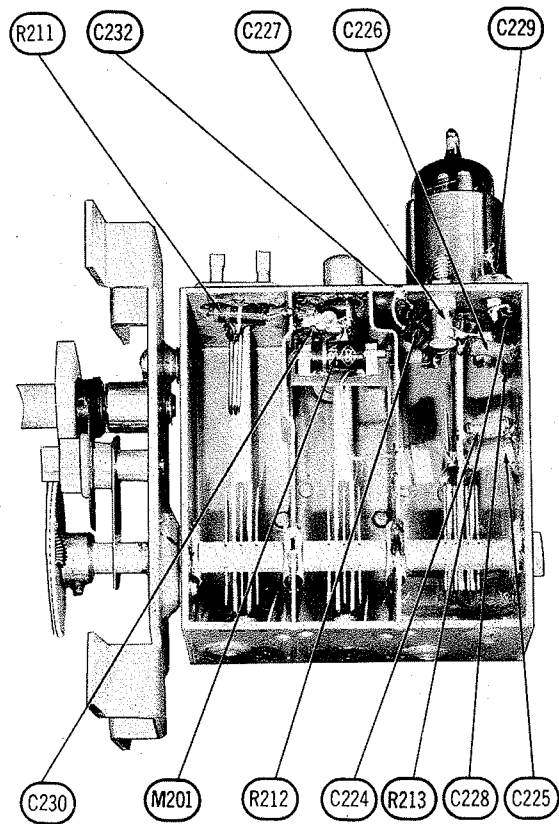
SET 427 FOLDER 1



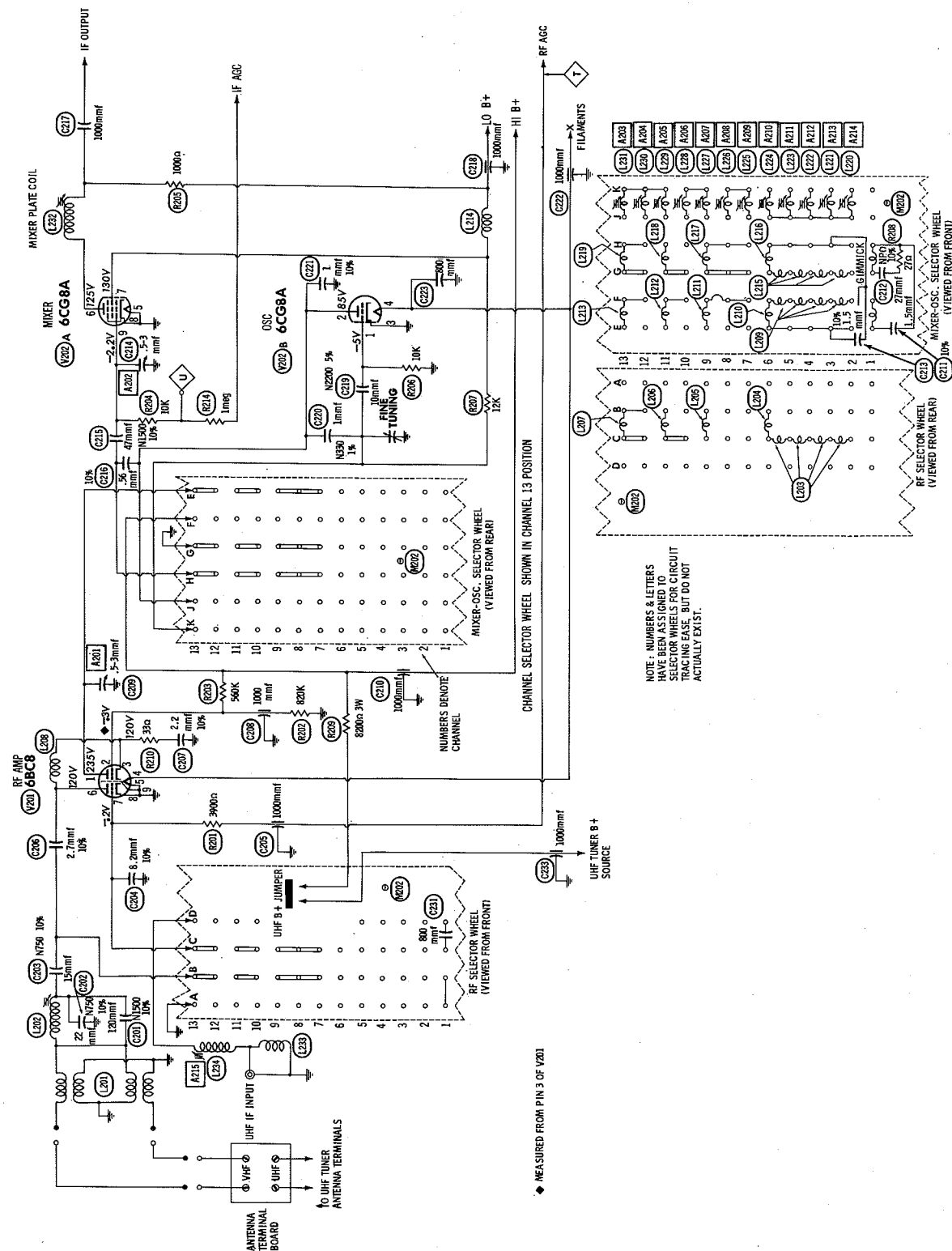


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UHF TUNER 94D162-1



TUNER 94D162-1



ADMIRAL CHASSIS 18A6C, CB, T, TB, 18B6C, CB, T, TB,  
18UA6C, CB, T, TB, 18UB6C, CB, T, TB, 8R1  
UHF TUNER WITH UHF PROVISIONS 94E160-2, -10

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TUNER PARTS LIST AND DESCRIPTIONS  
94D160-2, 94D162-1  
TUBES (GENERAL ELECTRIC, SYLVANIA)

| ITEM No. | USE        | TYPE  | NOTES |
|----------|------------|-------|-------|
| V201     | RF Amp.    | 6BC8  |       |
| V202     | Mixer-Osc. | 6CG8A |       |

| ITEM No. | USE      | TYPE  | NOTES |
|----------|----------|-------|-------|
| V203     | UHF Osc. | 6AF4A |       |

FIXED CAPACITORS  
Capacity values given in the rating column are in mfd. for Paper Capacitors, and in mmfd. for Mica and Ceramic Capacitors.

| ITEM No. | RATING CAP. VOLT | REPLACEMENT DATA |                  |                    |                           |                  | NOTES |
|----------|------------------|------------------|------------------|--------------------|---------------------------|------------------|-------|
|          |                  | ADMIRAL PART No. | AEROVOX PART No. | CENTRALAB PART No. | CORNELL-DUBILIER PART No. | MALLORY PART No. |       |
| C201     | 120              | 65D10-136        |                  |                    |                           |                  |       |
| C202     | 22               | 65D6-142         |                  |                    |                           |                  |       |
| C203     | 15               | 65D10-135        |                  |                    |                           |                  |       |
| C204     | 8.2              | 65B28-082        |                  |                    |                           |                  |       |
| C205     | 1000             | 65B26-7          |                  |                    |                           |                  |       |
| C206     | 2.7              | 65B28-027        |                  |                    |                           |                  |       |
| C207     | 2.2              | 65B28-022        |                  |                    |                           |                  |       |
| C208     | 1000             | 65B26-7          |                  |                    |                           |                  |       |
| C209     | .5-3             | 66A38-9          |                  |                    |                           |                  |       |
| C210     | 1000             | 65B26-7          |                  |                    |                           |                  |       |
| C211     | 1.5              | 65B28-015        |                  |                    |                           |                  |       |
| C212     | 27               | 65D10-93         |                  |                    |                           |                  |       |
| C213     | 1.5              | 65B28-015        |                  |                    |                           |                  |       |
| C214     | .5-3             | 66A38-9          |                  |                    |                           |                  |       |
| C215     | 47               | 65D10-180        |                  |                    |                           |                  |       |
| C216     | .56              | 65B28-0056       |                  |                    |                           |                  |       |
| C217     | 1000             | 65D10-53         |                  |                    |                           |                  |       |
| C218     | 1000             | 65B26-7          |                  |                    |                           |                  |       |
| C219     | 10               | 65D10-160        |                  |                    |                           |                  |       |
| C220     | 1                | 65D6-141         |                  |                    |                           |                  |       |
| C221     | 1                | 65B28-010        |                  |                    |                           |                  |       |
| C222     | 1000             | 65B26-7          |                  |                    |                           |                  |       |
| C223     | 800              | 65D10-20         |                  |                    |                           |                  |       |
| C224     | .5               |                  |                  |                    |                           |                  |       |
| C225     | .5               |                  |                  |                    |                           |                  |       |
| C226     | 1.5              |                  |                  |                    |                           |                  |       |
| C227     | .5-3             |                  |                  |                    |                           |                  |       |
| C228     | 135              |                  |                  |                    |                           |                  |       |
| C229     | 1000             |                  |                  |                    |                           |                  |       |
| C230     | 18               |                  |                  |                    |                           |                  |       |
| C231     | 800              |                  |                  |                    |                           |                  |       |
| C232     | 1000             |                  |                  |                    |                           |                  |       |
| C233     | 1000             |                  |                  |                    |                           |                  |       |

RESISTORS

All wattages 1/2 watt, or less, unless otherwise listed.

| ITEM No. | RATING |      | ADMIRAL PART No. | NOTES |
|----------|--------|------|------------------|-------|
|          | OHMS   | WATT |                  |       |
| R201     | 3900Ω  |      | 60B8-392         |       |
| R202     | 820K   |      | 60B8-824         |       |
| R203     | 560K   |      | 60B8-564         |       |
| R204     | 10K    |      | 60B8-103         |       |
| R205     | 1000Ω  |      | 60B8-102         |       |
| R206     | 10K    |      | 60B8-103         |       |
| R207     | 12K    |      | 60B8-123         |       |

| ITEM No. | RATING |      | ADMIRAL PART No. | NOTES |
|----------|--------|------|------------------|-------|
|          | OHMS   | WATT |                  |       |
| R208     | 27Ω    |      | 60B8-270         |       |
| R209     | 8200Ω  | 3    | 61B24-347        |       |
| R210     | 33Ω    |      | 60B8-330         |       |
| R211     | 680K   |      | 60B8-684         |       |
| R212     | 5600Ω  |      | 60B8-562         |       |
| R213     | 100Ω   |      | 60B8-101         |       |
| R214     | 1meg   |      | 60B8-105         |       |

COILS (RF-IF)

| ITEM No. | USE              | ADMIRAL PART No. | NOTES         |
|----------|------------------|------------------|---------------|
| L201     | VHF Ant. Trans.  | 700B131          |               |
| L202     | IF Trap Coll     | 73D30-43         |               |
| L203     | Ant. Colls       | 73D30-12         | Channel 2-5   |
| L204     | Ant. Coll        | 73D30-17         | Channel 6     |
| L205     | "                | 73D30-18         | Channel 7-9   |
| L206     | "                | 73D30-21         | Channel 10-11 |
| L207     | "                | 73D30-21         | Channel 12-13 |
| L208     | Cathode Choke    | 73D30-51         |               |
| L209     | RF Coils         | 73D30-19         | Channel 2-5   |
| L210     | RF Coll          | 73D30-27         | Channel 6     |
| L211     | "                | 73D30-8          | Channel 7-9   |
| L212     | "                | 73D30-5          | Channel 10-11 |
| L213     | "                | 73D30-25         | Channel 12-13 |
| L214     | RF Choke         | 73D30-29         |               |
| L215     | Mixer Grid Coils | 73D30-20         | Channel 2-5   |
| L216     | Mixer Grid Coll  | 73D30-38         | Channel 6     |
| L217     | "                | 73D30-45         | Channel 7-9   |

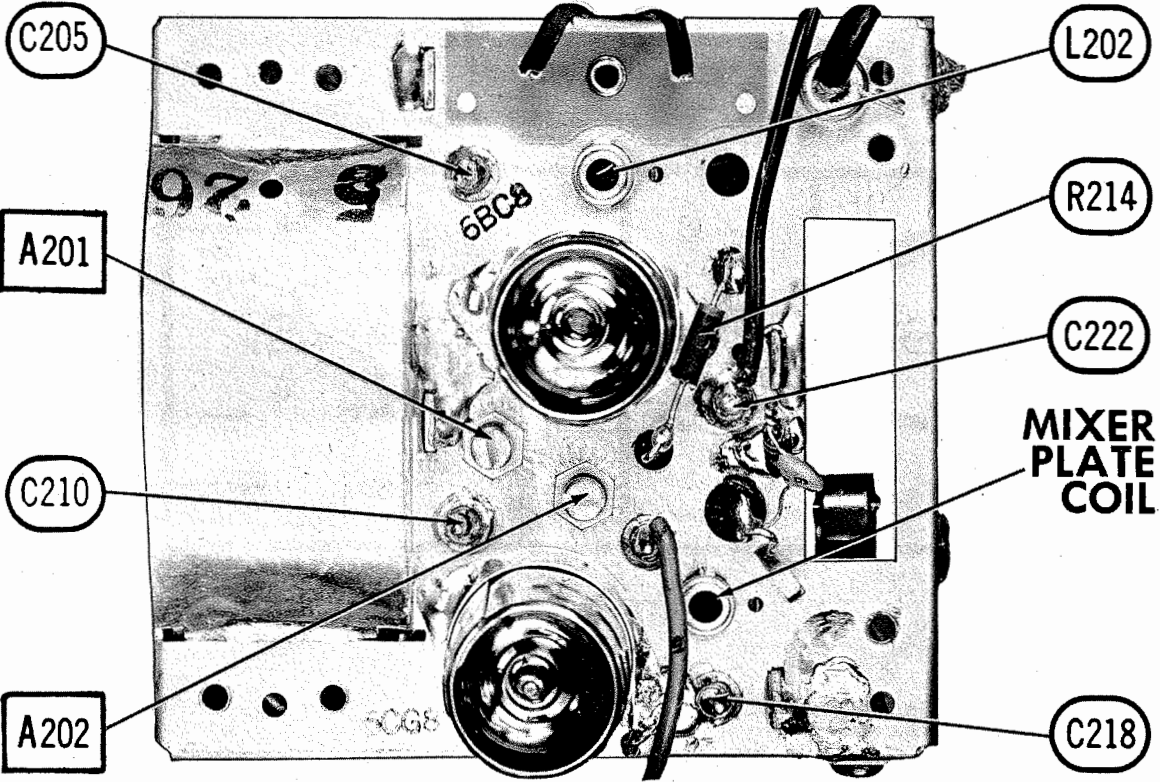
| ITEM No. | USE              | ADMIRAL PART No. | NOTES         |
|----------|------------------|------------------|---------------|
| L218     | Mixer Grid Coll  | 73D30-33         | Channel 10-11 |
| L219     | "                | 73D30-31         | Channel 12-13 |
| L220     | Osc. Coll        | 73D30-53         | Channel 2     |
| L221     | "                | 73D30-53         | Channel 3     |
| L222     | "                | 73D30-54         | Channel 4     |
| L223     | "                | 73D30-59         | Channel 5     |
| L224     | "                | 73D30-58         | Channel 6     |
| L225     | "                | 73D30-9          | Channel 7     |
| L226     | "                | 73D30-6          | Channel 8     |
| L227     | "                | 73D30-60         | Channel 9     |
| L228     | "                | 73D30-57         | Channel 10    |
| L229     | "                | 73D30-57         | Channel 11    |
| L230     | "                | 73D30-1          | Channel 12    |
| L231     | "                | 73D30-32         | Channel 13    |
| L232     | Mixer Plate Coll | 73D30-44         |               |
| L233     | RF Choke         | 73D30-42         |               |
| L234     | UHF IF Coll      | 73D30-41         |               |

CRYSTAL DIODES

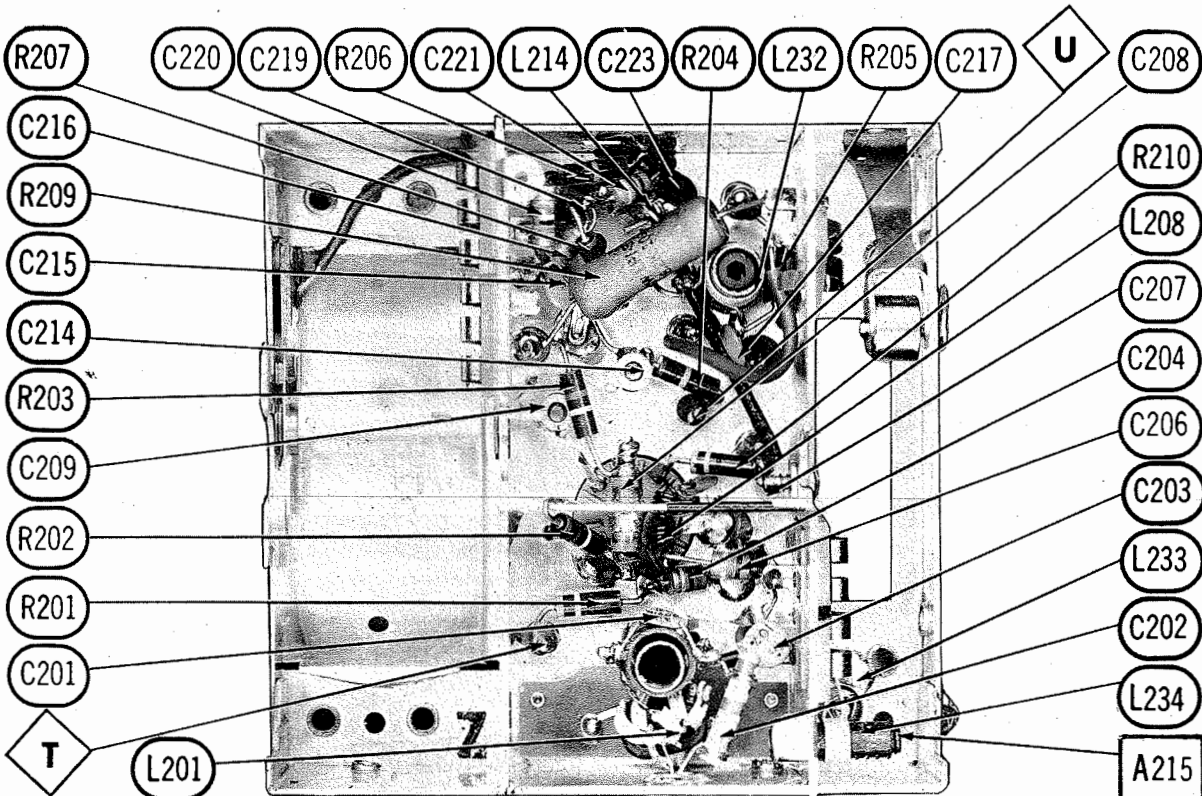
| ITEM No. | ORIG. TYPE | REPLACEMENT DATA |              |                   | NOTES               |
|----------|------------|------------------|--------------|-------------------|---------------------|
|          |            | ADMIRAL PART No. | CBS PART No. | SYLVANIA PART No. |                     |
| M201     | 1N82A      | 94D12-57         | 1N82A        | 1N82A             | UHF Mixer (Clip-in) |

MISCELLANEOUS

| ITEM No. | PART NAME  | ADMIRAL PART No. | NOTES           |
|----------|------------|------------------|-----------------|
| M202     | Rotor Disc | A7201            | Tuner 94E160-2  |
| M203     | Rotor Disc | A7209            | Tuner 94E160-10 |



TUNER 94E160-2 - TOP VIEW



TUNER 94E160-2 - BOTTOM VIEW

ADMIRAL CHASSIS 18A6C, CB, T, TB, 18B6C, CB, T, TB, 18UA6C, CB, T, TB, 18UB6C, CB, T, TB, 8R1

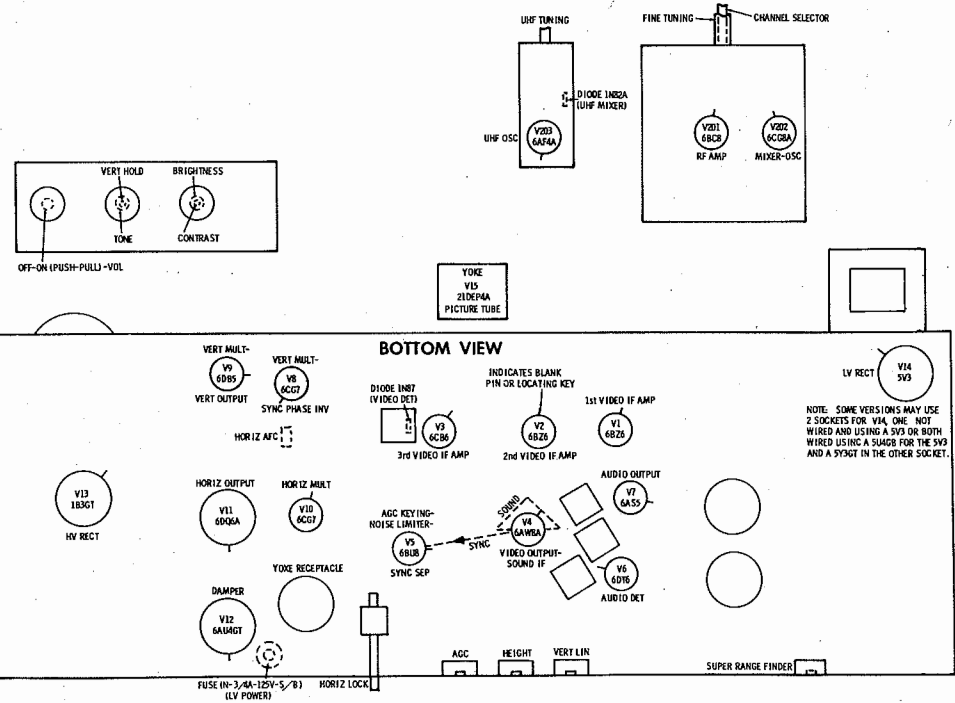
FOLDER 1



RESISTANCE MEASUREMENTS

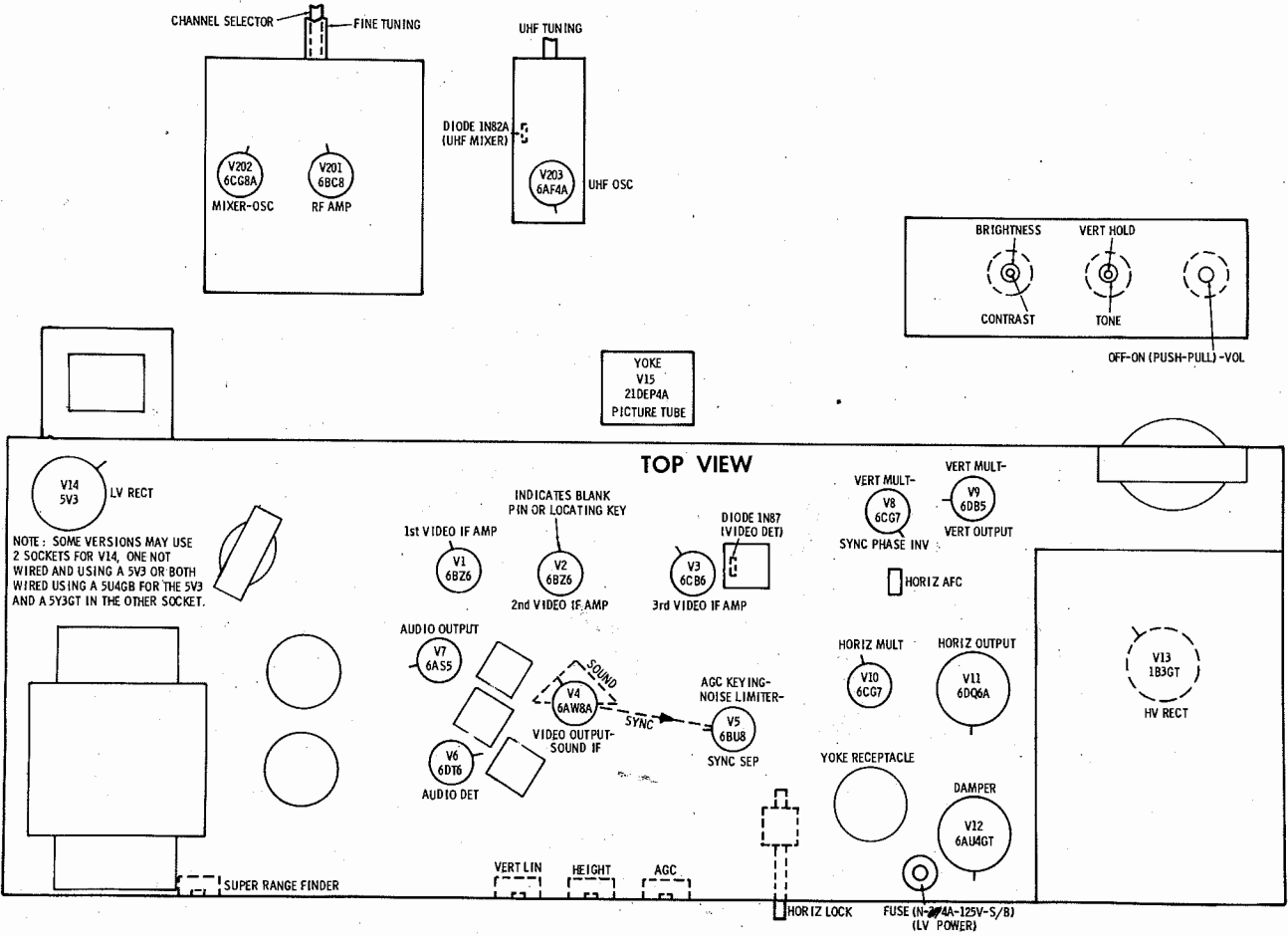
| ITEM | TUBE    | Pin 1                                  | Pin 2   | Pin 3  | Pin 4  | Pin 5  | Pin 6   | Pin 7    | Pin 8 | Pin 9             |
|------|---------|--|---------|--------|--------|--------|---------|----------|-------|-------------------|
| V1   | 6BZ6    | 150K                                   | 47Ω     | 0Ω     | .1Ω    | ▲ 470Ω | ▲ 470Ω  | 0Ω       |       |                   |
| V2   | 6BZ6    | ▲ 22K                                  | ▲ 68Ω   | .1Ω    | 0Ω     | † 470Ω | † 470Ω  | 9        |       |                   |
| V3   | 6CB6    | .1Ω                                    | 150Ω    | .1Ω    | 0Ω     | ■ 470Ω | ■ 470Ω  | 0Ω       |       |                   |
| V4   | 6AW8A   | 0Ω                                     | 100K    | ■ 35K  | 0Ω     | .1Ω    | ● 82Ω   | 3400Ω    | ■ 12K | † 4000Ω           |
| V5   | 6BU8    | ■ 0Ω                                   | † 8200Ω | 1.8meg | .1Ω    | 0Ω     | † 20K   | ■ ● 400K | † 30K | ■ 4.7meg          |
| V6   | 6DT6    | 15.5Ω                                  | 680Ω    | .1Ω    | 0Ω     | † 780K | ■ 8200Ω | 560K     |       |                   |
| V7   | 6AS5    | 9                                      | 500K    | 0Ω     | .1Ω    | 500K   | † 220Ω  | † 510Ω   |       |                   |
| V8   | 6CG7    | ● † 1.1meg                             | 220K    | ● 115K | 0Ω     | .1Ω    | † 12K   | 1.4meg   | 3300Ω | 0Ω                |
| V9   | 6DB5    | † 27K                                  | ● 400Ω  | 2.2meg | 0Ω     | .1Ω    | 2.2meg  | ● 400Ω   | NC    | † 850Ω            |
| V10  | 6CG7    | † 10K                                  | 550K    | 1200Ω  | .1Ω    | 0Ω     | † 82K   | 47K      | 1200Ω | 0Ω                |
| V11  | 6DQ6A   | NC                                     | 0Ω      | NC     | † 12K  | 1meg   | TP      | .1Ω      | 0Ω    | TOP CAP<br>† 9Ω   |
| V12  | 6AU4GT  | NC                                     | NC      | 9600K  | NC     | † 0Ω   | NC      | .1Ω      | 0Ω    |                   |
| V13  | 1B3GT   | PINS 1 THRU 8 HAVE INFINITE RESISTANCE |         |        |        |        |         |          |       | TOP CAP<br>† 454Ω |
| V14  | 5V3     | NC                                     | 9       | NC     | 13Ω    | NC     | 15Ω     | NC       | 9     |                   |
| V15  | 21DEP4A | .1Ω                                    | 39K     | † 120K | † 120K | NC     | NC      | ● 90K    | 0Ω    |                   |
| V201 | 6BC8    | † 2200Ω                                | 280K    | INF    | .1Ω    | 0Ω     | INF     | 3.2meg   | 0Ω    | 0Ω                |
| V202 | 6CG8A   | 10K                                    | † 15K   | 0Ω     | .1Ω    | 0Ω     | † 4900Ω | † 3900Ω  | 0Ω    | 1.1meg            |
| V203 | 6AF4A   | * † 10K                                | 5600Ω   | .2Ω    | .1Ω    | .1Ω    | 5600Ω   | * † 10K  |       |                   |
| ITEM | TUBE    | Pin 1                                  | Pin 2   | Pin 3  | Pin 4  | Pin 5  | Pin 6   | Pin 7    | Pin 8 | Pin 9             |

9 THIS READING WILL VARY DEPENDING UPON THE CONDITION OF THE ELECTROLYTIC CAPACITOR CONNECTED IN THE ASSOCIATED CIRCUIT. THIS READING WILL VARY. CONTROL SET FOR NORMAL OPERATION. MEASURED FROM 260V SOURCE. MEASURED FROM 145V SOURCE. \* MEASURED IN "UHF" POSITION. NC NO CONNECTION TP TIE POINT



TUBE PLACEMENT CHART

TUBE PLACEMENT CHART



TUBE FAILURE CHECK CHART

The following chart lists tubes whose failures are most likely to produce indicated symptoms. Refer to tube placement chart for location and type of tube.

**POWER SUPPLY FAILURE**  
No raster, no sound - Fuse (L.V. Power), V14, V7

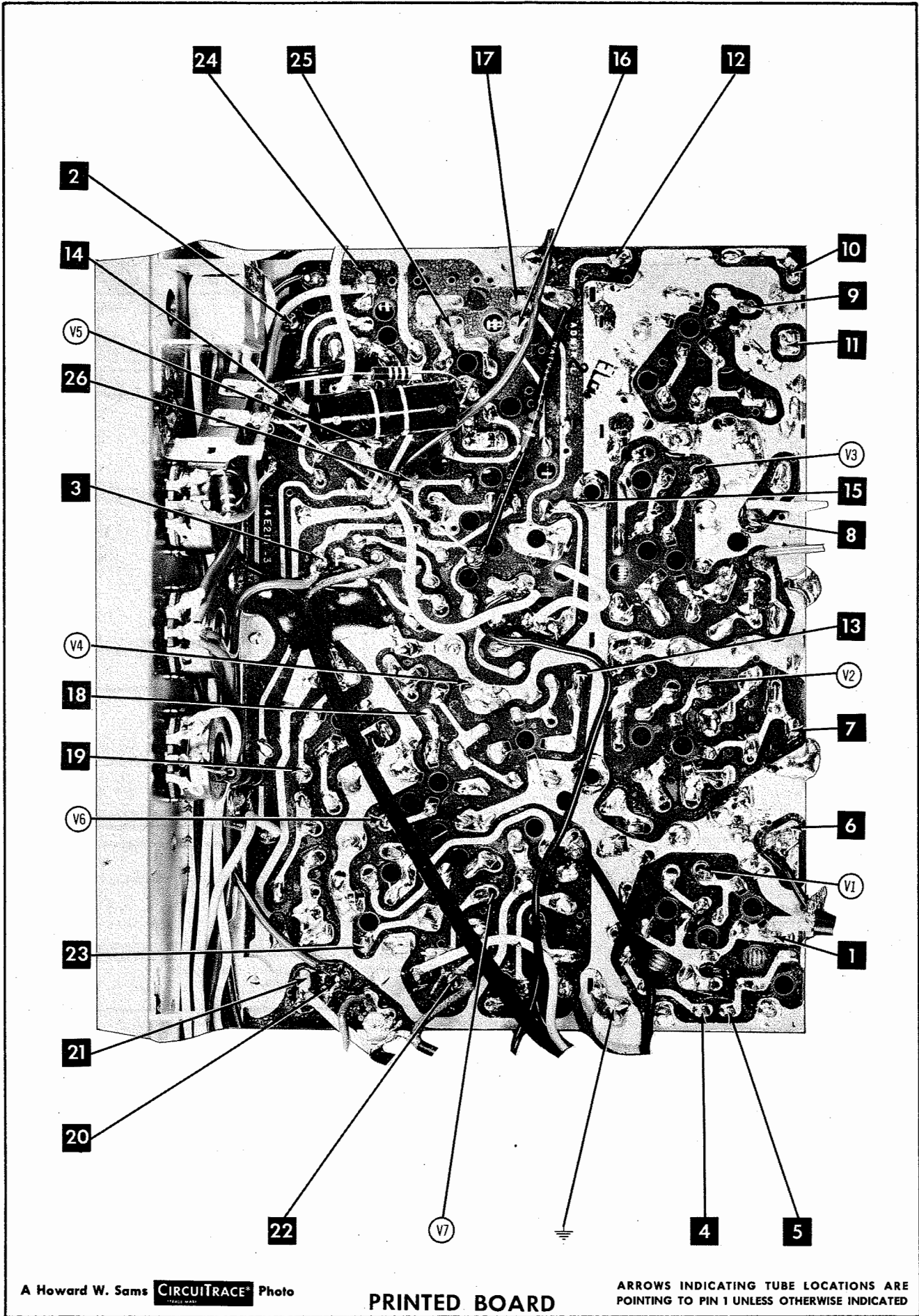
**SWEEP FAILURE**  
No raster, has sound - Rectifier (Horiz AFC), V10, V11, V12, V13, V15  
No vertical deflection - V8, V9  
No vertical linearity or foldover - V8, V9  
Poor horiz. linearity or foldover - V10, V11, V12  
Narrow picture - V10, V11, V12, V14  
Vert. off freq. - V8, V9  
Horiz. off freq. - V10

**LOSS OF PICTURE OR SOUND**  
No pic, no sound, has raster - V1, V2, V3, Diode (Video Det.), V4, V7  
No pic, no sound, has snow - V201, V202, V1 (V203 UHF)  
No pic, has sound, has raster - V4, V15  
Has pic, no sound - V4, V6, V7  
Overloaded picture - V5, V7

**SYNC FAILURE**  
No vert. sync - V5, V8, V7  
No horiz. sync - V5, V8, V7, Rectifier (Horiz AFC)  
No vert. or horiz. sync - V5, V8, V7

ADMIRAL CHASSIS 18A6C, CB, T, TB, 18B6C, CB, T, TB, 18U46C, CB, T, TB, 18UB6C, CB, T, TB, 8R1

FOLDER 1



A Howard W. Sams CIRCUITRACE<sup>®</sup> Photo

PRINTED BOARD

ARROWS INDICATING TUBE LOCATIONS ARE POINTING TO PIN 1 UNLESS OTHERWISE INDICATED

## ALIGNMENT INSTRUCTIONS

### PRE-ALIGNMENT INSTRUCTIONS

Use an ISOLATION TRANSFORMER to PROTECT the Test Equipment.  
The high voltage lead should be securely taped and kept away from the chassis.  
Allow a 20 minute warm-up period for the receiver and test equipment.  
Suggested alignment tools: A1, A2 ..... General Cement #5000, 5003, 8276 or 8290  
Walsco #2512 or 2525  
A3 thru All... General Cement #8282, 8606, 8606L or 9295  
Walsco #2543, 2544 or 2545

### VIDEO IF ALIGNMENT

Connect the negative lead of a 3.5 volt bias supply thru a 10K resistor to point A.  
Connect positive lead to chassis.  
Turn super range finder control fully clockwise.  
Connect a 270mmf capacitor across the VTVM test leads. Use the lowest scale on the VTVM. While peaking the adjustments, keep reducing the signal generator to keep the VTVM reading no higher than -1 volt DC.  
Connect a short across the antenna terminals.

| DUMMY ANTENNA | SIGNAL GENERATOR COUPLING  | SIGNAL GENERATOR FREQUENCY | CHANNEL | CONNECT VTVM   | ADJUST                | REMARKS                        |
|---------------|--|----------------------------|---------|--|-----------------------|--------------------------------|
| 1. Direct     | High side to ungrounded tube shield floating over mixer-osc. tube (V202). Low side to chassis. | 41.25MC (Unmod)            | 12      | DC probe thru 47K to point A. Common to chassis. (Across video det. load). | A1                    | Adjust for MINIMUM deflection. |
| 2. "          | "  | 47.25MC                    | "       | "  | A2                    | "                              |
| 3. "          | "  | 42.3MC                     | "       | "  | A3                    | Adjust for maximum deflection. |
| 4. "          | "  | 45.3MC                     | "       | "  | Mixer Plate Coil & A4 | "                              |
| 5. "          | "  | 41.5MC                     | "       | "  | A5                    | "                              |
| 6. "          | "  | 42.0MC                     | "       | "  | A6                    | "                              |
| 7. "          | "  | 43.5MC                     | "       | "  | A7                    | "                              |

### OVERALL VIDEO IF RESPONSE CHECK

Connect bias as under "Video IF Alignment".  
Leave the super range finder control fully clockwise.  
Connect a 270mmf capacitor across the input leads of the scope.  
Connect the synchronized sweep voltage from the sweep generator to the horizontal input of the oscilloscope for horizontal deflection.  
Use only enough sweep generator output to provide a usable pattern on scope.

| DUMMY ANTENNA | SWEEP GENERATOR COUPLING   | SWEEP GENERATOR FREQUENCY | MARKER GENERATOR FREQUENCY                                  | CHANNEL | CONNECT SCOPE  | ADJUST | REMARKS  |
|---------------|--|---------------------------|---|---------|--|--------|--|
| 8. Direct     | High side to ungrounded tube shield floating over mixer-osc. tube (V202). Low side to chassis. | 44.0MC (10MC Swp)         | 41.25MC<br>42.0MC<br>43.5MC<br>45.0MC<br>45.75MC<br>47.25MC | 12      | Vert. Amp. thru 10K to point A. Low side to chassis. (Across video det. load). |        | Check for response similar to Fig. 1 with markers as indicated. If curve does not resemble Fig. 1, repeat "Video IF Alignment".  |
| 9. "          | "  | "                         | 45.0MC  | "       | "  |        | Connect a short, heavy, solid jumper across L3. Response curve should be similar to Fig. 2. If the 45.0MC marker does not fall on the peak adjust the mixer plate coil slug until it does. Remove the short and repeat step 3 of the "Video IF Alignment". Recheck step 8 above. |

### SOUND IF ALIGNMENT

Tune in the strongest TV signal available in the area. Adjust the set for normal operation. Turn the super range finder control fully counter clockwise.  
Using a hexagonal non-metallic alignment tool, turn A8 slowly clockwise until a buzz is heard in the sound. Then turn counter clockwise for maximum undistorted sound. (There may be two points approximately 1/2 turn apart at which the sound is loud. Use the one with the slug the farthest clockwise.  
Reduce the signal at the antenna terminals (by use of an adjustable attenuator or disconnecting the antenna) until a strong hiss similar to super regeneration is heard in the sound.  
Carefully adjust A9 for maximum undistorted sound with MINIMUM hiss. If the hiss disappears during alignment, further reduce the signal until the hiss returns, then readjust A9.  
Carefully adjust A10 for MINIMUM 4.5MC beat pattern in the picture. 4.5MC beat interference appears as a very fine cross hatch pattern on the screen.  
Carefully adjust All for maximum undistorted sound with MINIMUM hiss. If the hiss disappears during alignment, further reduce the signal strength. Readjust All.  
Repeat entire procedure, if necessary. DO NOT RETOUCH A9 WITHOUT REPEATING ALL OF SOUND ALIGNMENT.

TUNER ALIGNMENT INSTRUCTIONS LOCATED ON PAGES 7, 8 & 20

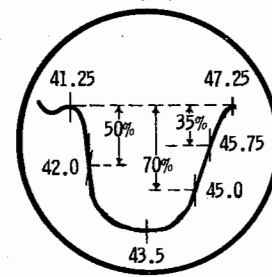


FIG. 1

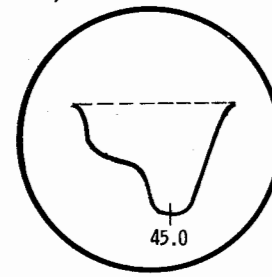
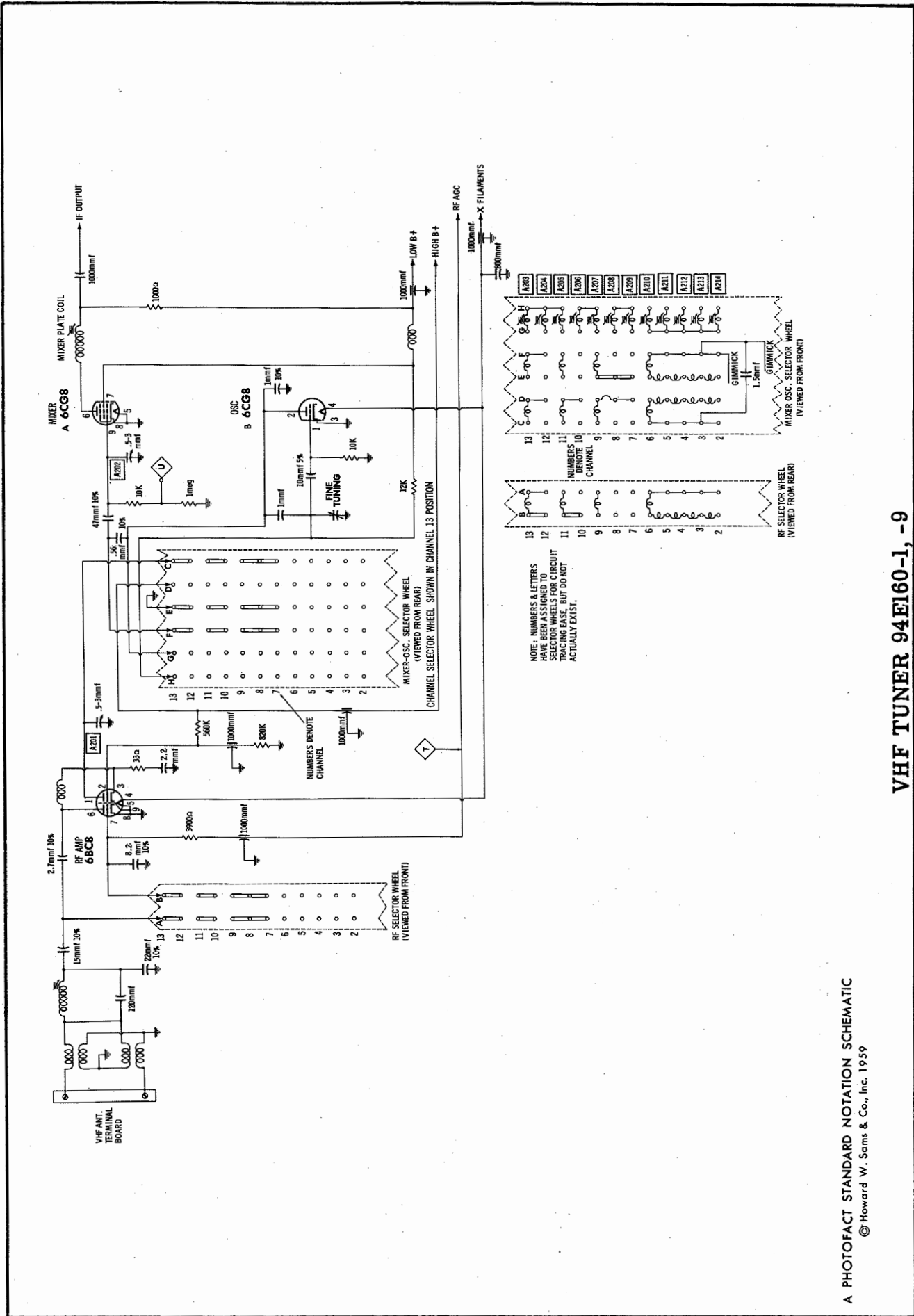


FIG. 2

ADMIRAL CHASSIS 18A6C, CB, T, TB, 18B6C, CB, T, TB, 18U6C, CB, T, TB, 18UB6C, CB, T, TB, 8R1

FOLDER 1



TUNER ALIGNMENT INSTRUCTIONS

PRE-ALIGNMENT INSTRUCTIONS FOR TUNERS 94E160-1, -2, -9, -10

The high voltage lead should be securely taped and kept away from the chassis.  
Allow a 20 minute warm-up period for the receiver and test equipment.  
Suggested alignment tools: A201, A202 ..... General Cement #5000, 5003, 5009, 8276 or 8290  
Walsco #2515, 2520, 2523, 2525 or 2537  
A203 thru A214 ..... General Cement #8607, 9281 or 9294  
Walsco #2520, 2522, 2523, 2524 or 2537  
A215 ..... General Cement #5009, 8271, 8275, 8276, 8721, 8722, 9150 or 9298  
Walsco #2516 or 2519

VHF RF AND MIXER ALIGNMENT

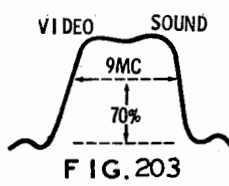
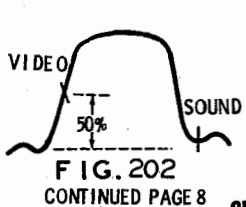
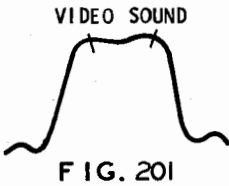
Connect the negative lead of a 4 volt bias supply to point  $\diamond$ . Positive to chassis.  
Turn Contrast fully clockwise.  
Set AGC and Super Range Finder controls fully counterclockwise.  
If separate marker generator is used, couple loosely to antenna terminals.  
DO NOT remove the bottom shield of the tuner during alignment.  
Use only enough sweep generator output to provide a usable pattern on scope.  
Connect the synchronized sweep voltage from the sweep generator to the horizontal input of the oscilloscope for horizontal deflection.  
The sweep generator output lead should be terminated with its characteristic impedance, usually 50 ohms.

| DUMMY ANTENNA                        | SWEEP GENERATOR COUPLING                                 | SWEEP GENERATOR FREQUENCY | MARKER GENERATOR FREQUENCY | CHANNEL | CONNECT SCOPE  | ADJUST     | REMARKS  |
|--------------------------------------|--|---------------------------|----------------------------|---------|--|------------|--|
| 1. Two 120 $\Omega$ Carbon Resistors | Across antenna terminals with 120 $\Omega$ in each lead. | 195MC                     | 193.25MC<br>197.75MC       | 10      | Vert. Amp. thru 15K to point $\diamond$ . Low side to chassis. | A201, A202 | Adjust for response curve similar to Fig. 201 with markers above 90%.  |
| 2. "                                 | "  | 85MC                      | 83.25MC<br>87.75MC         | 6       | "  |            | Check for response curve similar to Fig. 201. Retouch A201 and A202 for maximum amplitude and flat-topped appearance with markers properly positioned.                       |
| 3. "                                 | "  | 213MC                     | 211.25MC<br>215.75MC       | 13      | "  |            | Check for response curve similar to Fig. 201. If markers fall below 70% on any channel, make compromise adjustment of A201 and A202 with channel switch set to that channel. |
|                                      |  | 207MC                     | 205.25MC<br>209.75MC       | 12      |  |            |  |
|                                      |  | 201MC                     | 199.25MC<br>203.75MC       | 11      |  |            |  |
|                                      |  | 189MC                     | 187.25MC<br>191.75MC       | 9       |  |            |  |
|                                      |  | 183MC                     | 181.25MC<br>185.75MC       | 8       |  |            |  |
|                                      |  | 177MC                     | 175.25MC<br>179.75MC       | 7       |  |            |  |
|                                      |  | 79MC                      | 77.25MC<br>81.75MC         | 5       |  |            |  |
|                                      |  | 69MC                      | 67.25MC<br>71.75MC         | 4       |  |            |  |
|                                      |  | 63MC                      | 61.25MC<br>65.75MC         | 3       |  |            |  |
|                                      |  | 57MC                      | 55.25MC<br>59.75MC         | 2       |  |            |  |

VHF OSCILLATOR ALIGNMENT

Connect the synchronized sweep voltage from the sweep generator to the horizontal input of the oscilloscope for horizontal deflection.  
The sweep generator output lead should be terminated with its characteristic impedance, usually 50 ohms.  
Set the Fine Tuning to the center of its range.  
Connect variable bias to IF AGC line. Adjust bias to obtain response curve which shows no indication of overloading.  
Use only enough sweep generator output to provide a usable pattern on scope.

| DUMMY ANTENNA                        | SWEEP GENERATOR COUPLING                                 | SWEEP GENERATOR FREQUENCY | MARKER GENERATOR FREQUENCY | CHANNEL | CONNECT SCOPE                               | ADJUST | REMARKS   |
|--------------------------------------|--|---------------------------|----------------------------|---------|---|--------|---|
| 4. Two 120 $\Omega$ Carbon Resistors | Across antenna terminals with 120 $\Omega$ in each lead. | 213MC                     | 211.25MC<br>215.75MC       | 13      | Vert. Amp. thru 47K across Video Det. load. | A203   | Adjust to place sound marker in trap notch as in Fig. 202. Video marker should fall at 50%. |
|                                      |  | 207MC                     | 205.25MC<br>209.75MC       | 12      |   | A204   |   |
|                                      |  | 201MC                     | 199.25MC<br>203.75MC       | 11      |   | A205   |   |
|                                      |  | 195MC                     | 193.25MC<br>197.75MC       | 10      |   | A206   |   |
|                                      |  | 189MC                     | 187.25MC<br>191.75MC       | 9       |   | A207   |   |
|                                      |  | 183MC                     | 181.25MC<br>185.75MC       | 8       |   | A208   |   |
|                                      |  | 177MC                     | 175.25MC<br>179.75MC       | 7       |   | A209   |   |
|                                      |  | 85MC                      | 83.25MC<br>87.75MC         | 6       |   | A210   |   |
|                                      |  | 79MC                      | 77.25MC<br>81.75MC         | 5       |   | A211   |   |
|                                      |  | 69MC                      | 67.25MC<br>71.75MC         | 4       |   | A212   |   |
|                                      |  | 63MC                      | 61.25MC<br>65.75MC         | 3       |   | A213   |   |
|                                      |  | 57MC                      | 55.25MC<br>59.75MC         | 2       |   | A214   |   |



SET 427 FOLDER 1

FOLDER 1

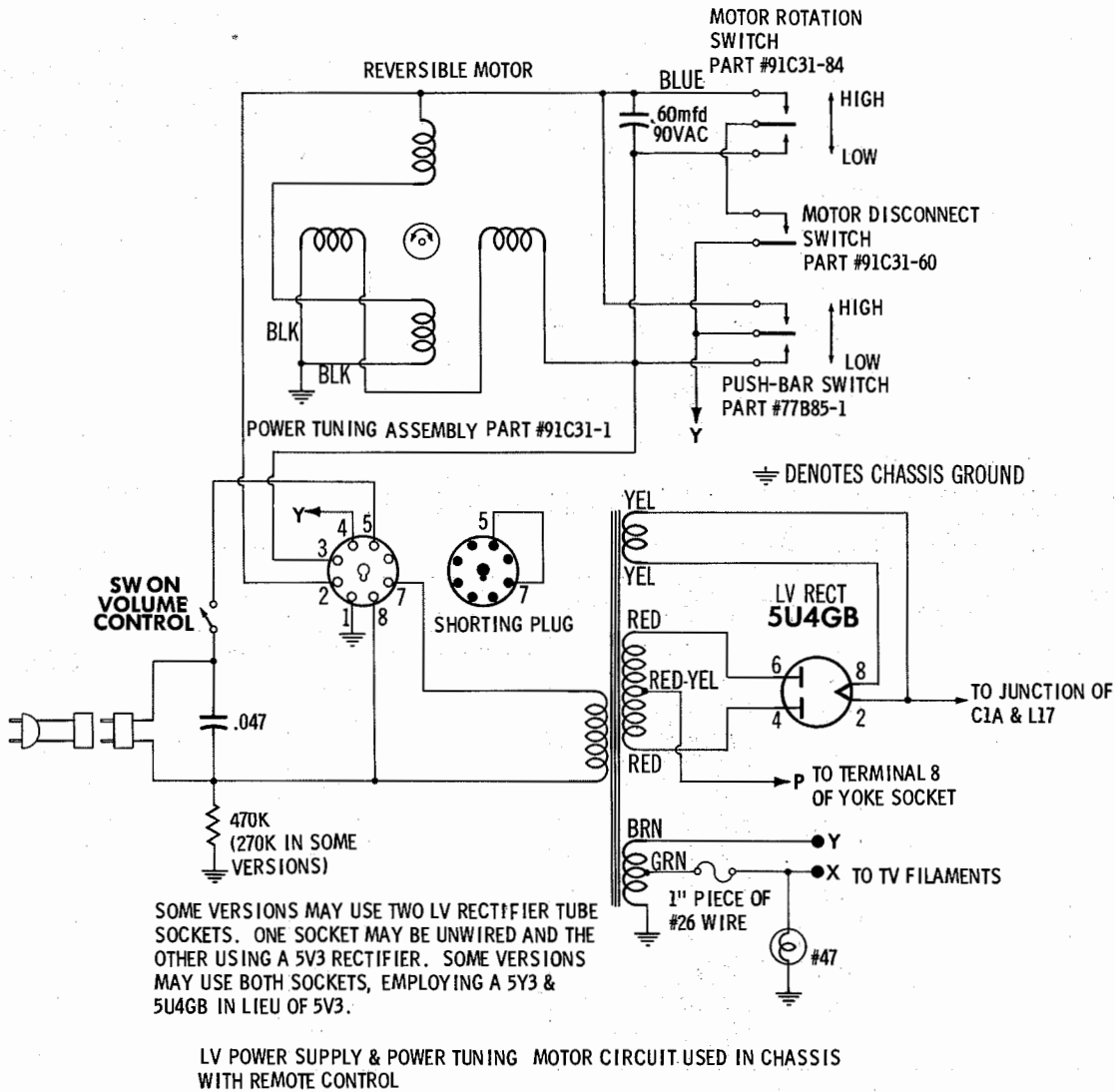
ADMIRAL CHASSIS 18A6C, CB, T, TB, 18B6C, CB, T, TB, 18UA6C, CB, T, TB, 18UB6C, CB, T, TB, 8R1

TUNER ALIGNMENT INSTRUCTIONS (cont)

UHF IF ALIGNMENT FOR TUNERS 94E160-2, -10

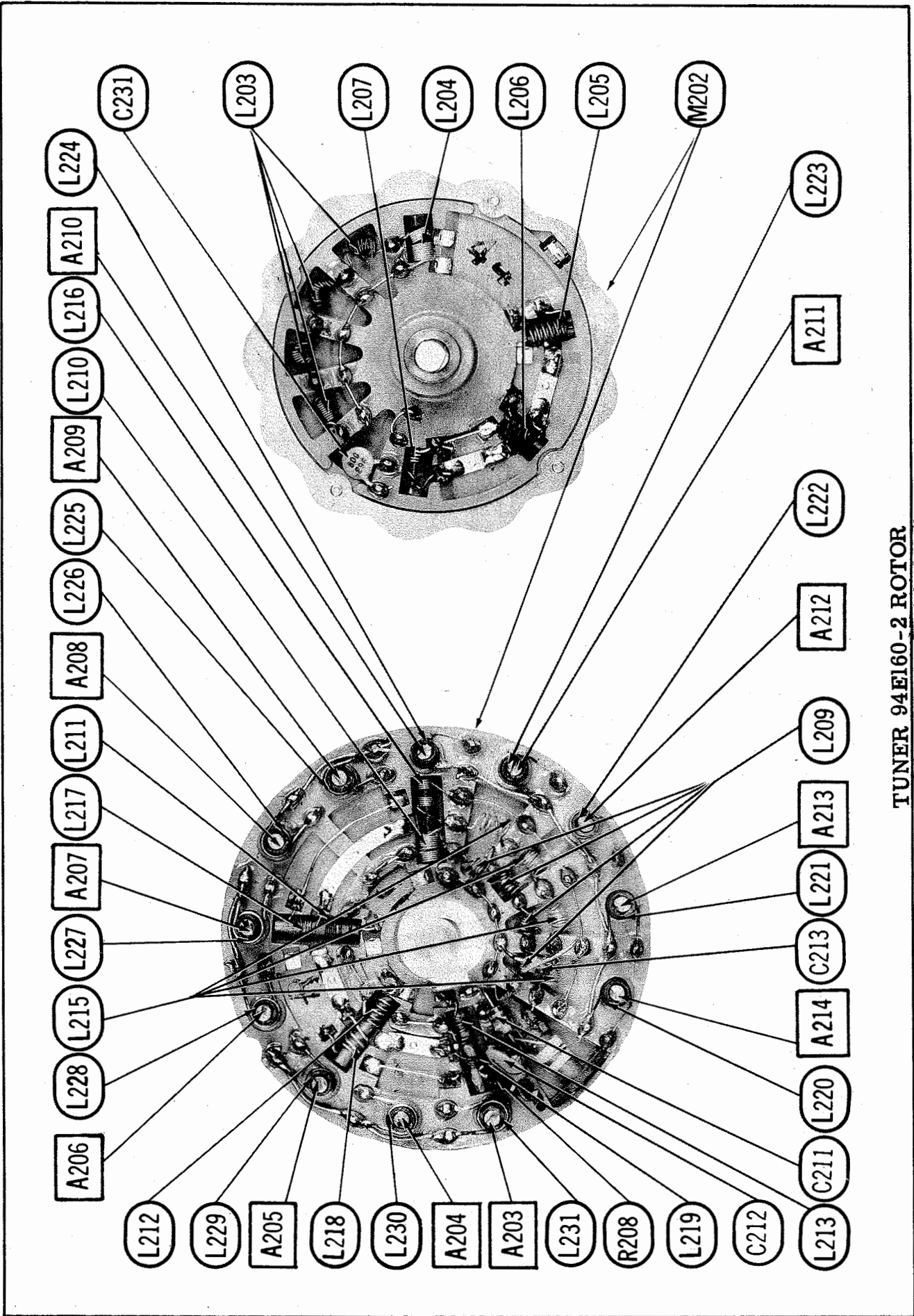
Set Contrast fully clockwise.  
Set AGC and Super Range Finder fully counterclockwise.  
Connect the synchronized sweep voltage from the sweep generator to the horizontal input of the oscilloscope for horizontal deflection.  
The sweep generator output lead should be terminated with its characteristic impedance, usually 50 ohms.  
Connect the negative lead of a 4 volt bias supply to point  $\diamond$ . Positive to chassis.  
If a separate marker generator is used, couple loosely to UHF antenna terminals.  
Bottom shield must be in place when checking response curve.

| DUMMY ANTENNA                        | SWEEP GENERATOR COUPLING   | SWEEP GENERATOR FREQUENCY | MARKER GENERATOR FREQUENCY | CHANNEL | CONNECT SCOPE  | ADJUST | REMARKS  |
|--------------------------------------|--|---------------------------|----------------------------|---------|--|--------|--|
| 5. Two 120 $\Omega$ Carbon Resistors | Across UHF antenna terminals with 120 $\Omega$ in each lead. Loosely couple VHF marker generator to antenna terminals. | 700MC (15MC Swp)          | 41.25MC<br>45.75MC         | UHF 52  | Vert. Amp. thru 10K to point $\diamond$ . Low side to chassis.   | A215   | Adjust for maximum gain and symmetry of response similar to Fig. 203 with markers as shown.                          |
| 6. "                                 | "  | "                         | "                          | "       | Vert. Amp. thru 47K to Video Det. load. Low side to chassis. Connect a 270mmf capacitor across input terminals of scope. |        | Check for response similar to Fig. 202. If necessary, make compromise adjustment of A215 to obtain desired response. |



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ALTERNATE SCHEMATIC





# TUNER ALIGNMENT INSTRUCTIONS 94D151-13, -14, -20

## PRE-ALIGNMENT INSTRUCTIONS

USE AN ISOLATION TRANSFORMER TO PROTECT THE TEST EQUIPMENT.

## VHF OSCILLATOR ALIGNMENT

Set the fine tuning at the center of its range. The adjustments are accessible, one at a time, as the channel selector is rotated. Adjust for best picture and sound.

## VHF RF AND MIXER ALIGNMENT

Connect variable bias to IF AGC line. Adjust bias to obtain response curve which shows no indication of overloading. Connect the synchronized sweep voltage from the sweep generator to the horizontal input of the oscilloscope for horizontal deflection. The sweep generator output lead should be terminated with its characteristic impedance, usually 50 ohms. Use only enough sweep generator output to provide a usable pattern on scope. Use 10MC sweep unless otherwise noted.

| DUMMY ANTENNA             | SWEEP GENERATOR COUPLING                         | SWEEP GENERATOR FREQUENCY | MARKER GENERATOR FREQUENCY | CHANNEL | CONNECT SCOPE  | ADJUST           | REMARKS  |
|---------------------------|--|---------------------------|----------------------------|---------|--|------------------|--|
| Two 120Ω Carbon Resistors | Across antenna terminals with 120Ω in each lead. | 195MC                     | 193.25MC<br>197.75MC       | 10      | Vert. Amp. thru 10K to point $\nabla$ . Low side to chassis. | A201, A202, A203 | Adjust A201 and A202 for maximum amplitude and symmetry with markers as shown in Fig. 201. Increase bias for MINIMUM amplitude of response curve. Without changing the bias adjust A203 to obtain MINIMUM response on the scope.                     |
| "                         | "  | 213MC                     | 211.25MC<br>215.75MC       | 13      | "  | "                | Check for response similar to Fig. 201. If markers fall below 70% on any channel, make compromise adjustments of A201 and A202, with channel switch set to that channel. Check all other channels to see that they have not been seriously affected. |
| "                         | "  | 207MC                     | 205.25MC<br>209.75MC       | 12      | "  | "                |  |
| "                         | "  | 201MC                     | 199.25MC<br>203.75MC       | 11      | "  | "                |  |
| "                         | "  | 195MC                     | 193.25MC<br>197.75MC       | 10      | "  | "                |  |
| "                         | "  | 189MC                     | 187.25MC<br>191.75MC       | 9       | "  | "                |  |
| "                         | "  | 183MC                     | 181.25MC<br>185.75MC       | 8       | "  | "                |  |
| "                         | "  | 177MC                     | 175.25MC<br>179.75MC       | 7       | "  | "                |  |
| "                         | "  | 171MC                     | 169.25MC<br>173.75MC       | 6       | "  | "                |  |
| "                         | "  | 165MC                     | 163.25MC<br>167.75MC       | 5       | "  | "                |  |
| "                         | "  | 159MC                     | 157.25MC<br>161.75MC       | 4       | "  | "                |  |
| "                         | "  | 153MC                     | 151.25MC<br>155.75MC       | 3       | "  | "                |  |
| "                         | "  | 147MC                     | 145.25MC<br>149.75MC       | 2       | "  | "                |  |
| "                         | "  | 141MC                     | 139.25MC<br>143.75MC       | 1       | "  | "                |  |
| "                         | "  | 135MC                     | 133.25MC<br>137.75MC       | 1       | "  | "                |  |
| "                         | "  | 129MC                     | 127.25MC<br>131.75MC       | 1       | "  | "                |  |

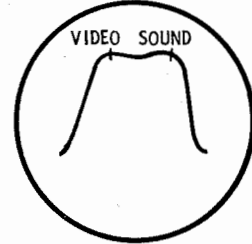
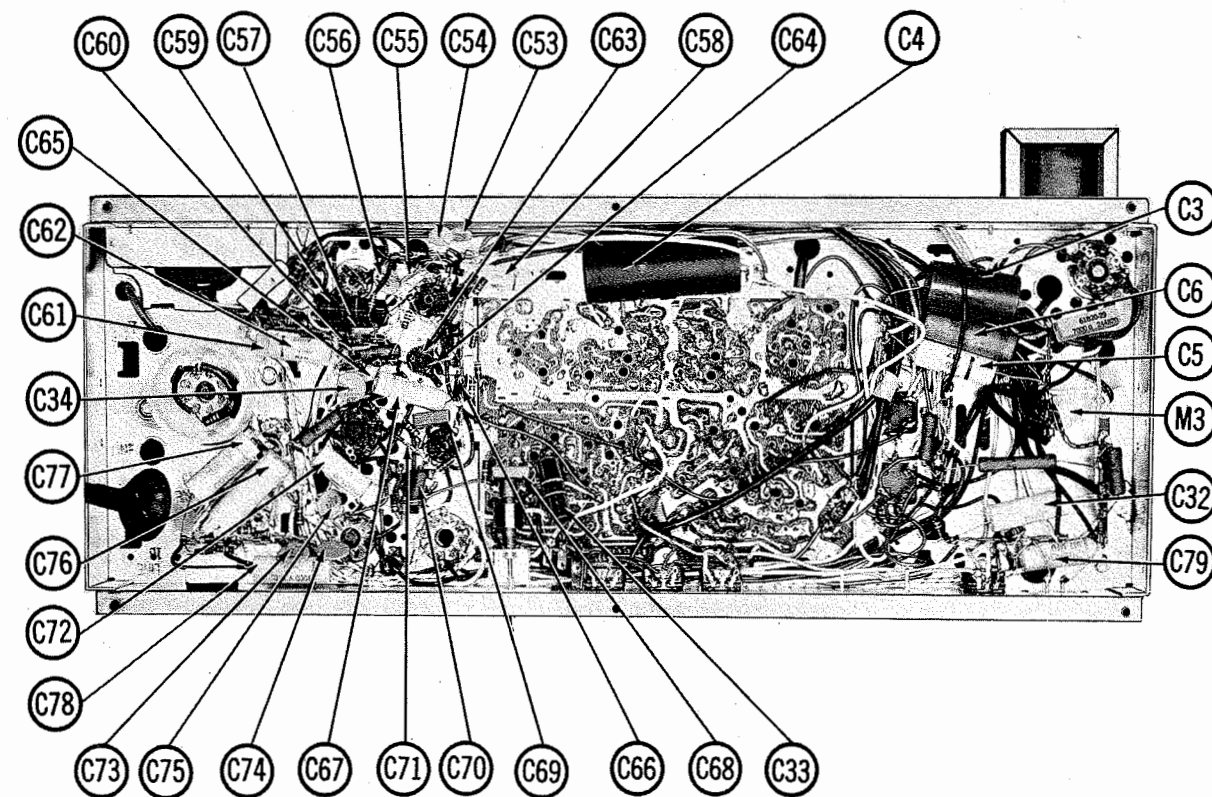
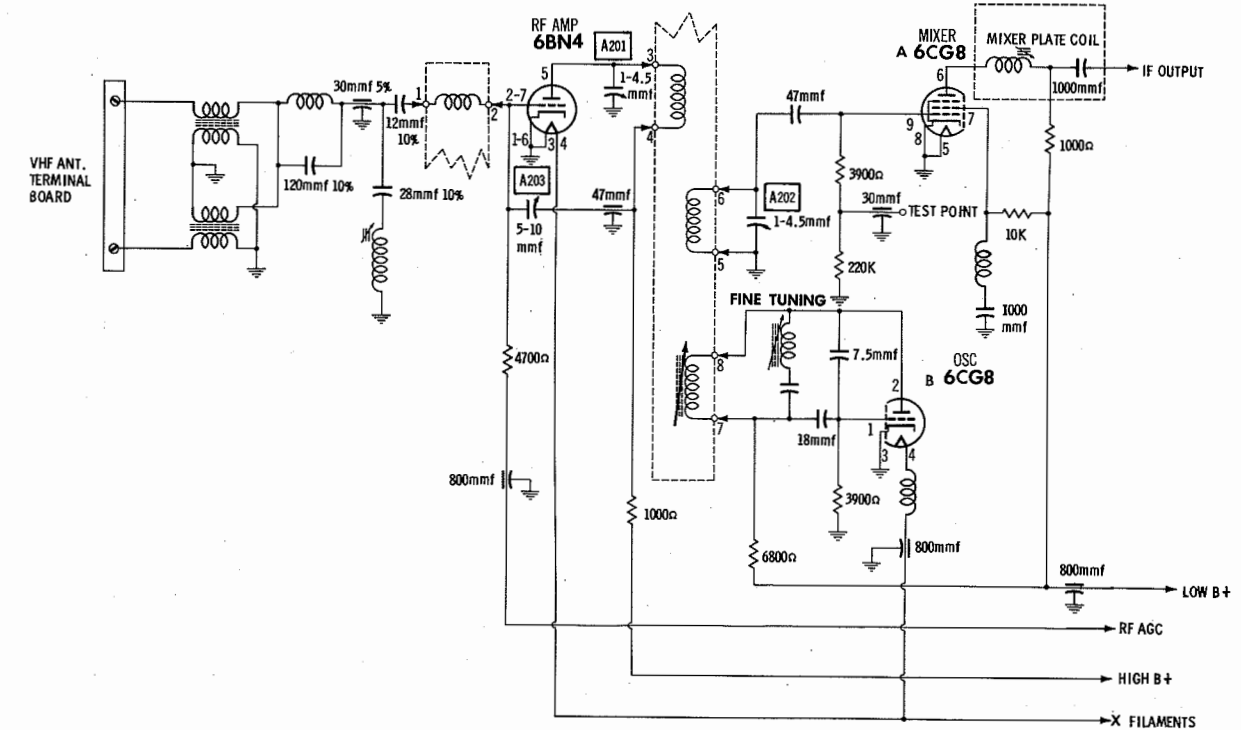


FIG. 201

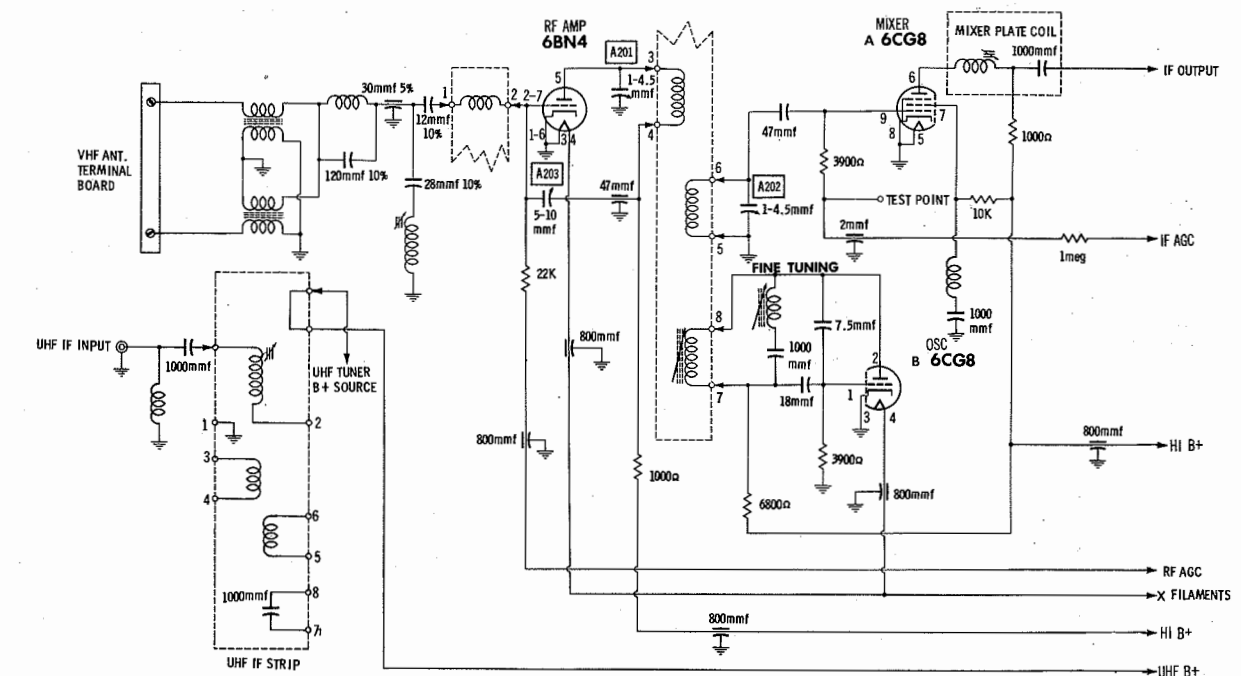


CHASSIS BOTTOM VIEW - CAPACITOR IDENT



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VHF TUNER 94D151-13, -14



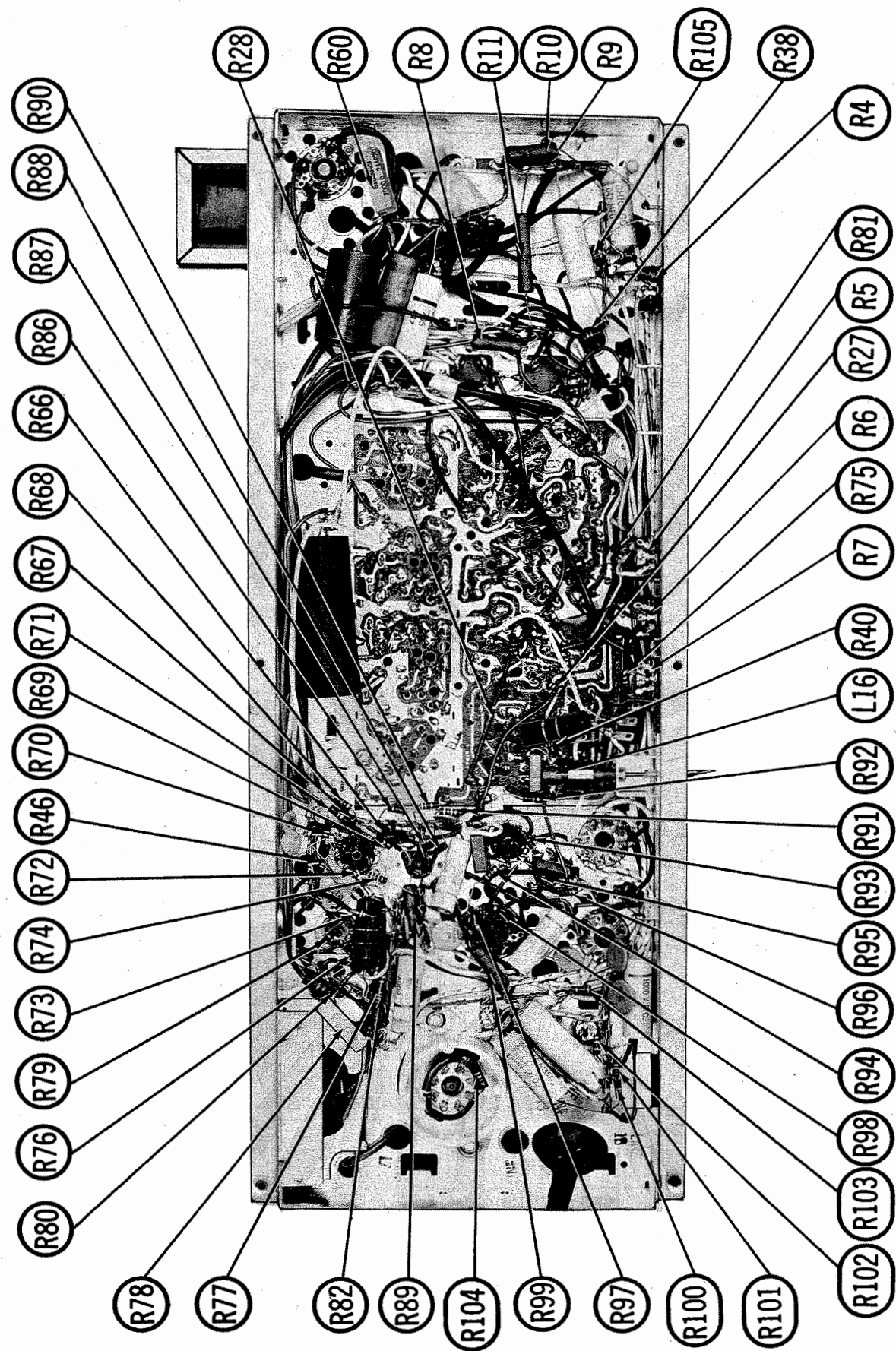
A PHOTOFAC STANDARD NOTATION SCHEMATIC  
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VHF TUNER WITH UHF PROVISIONS 94D151-20

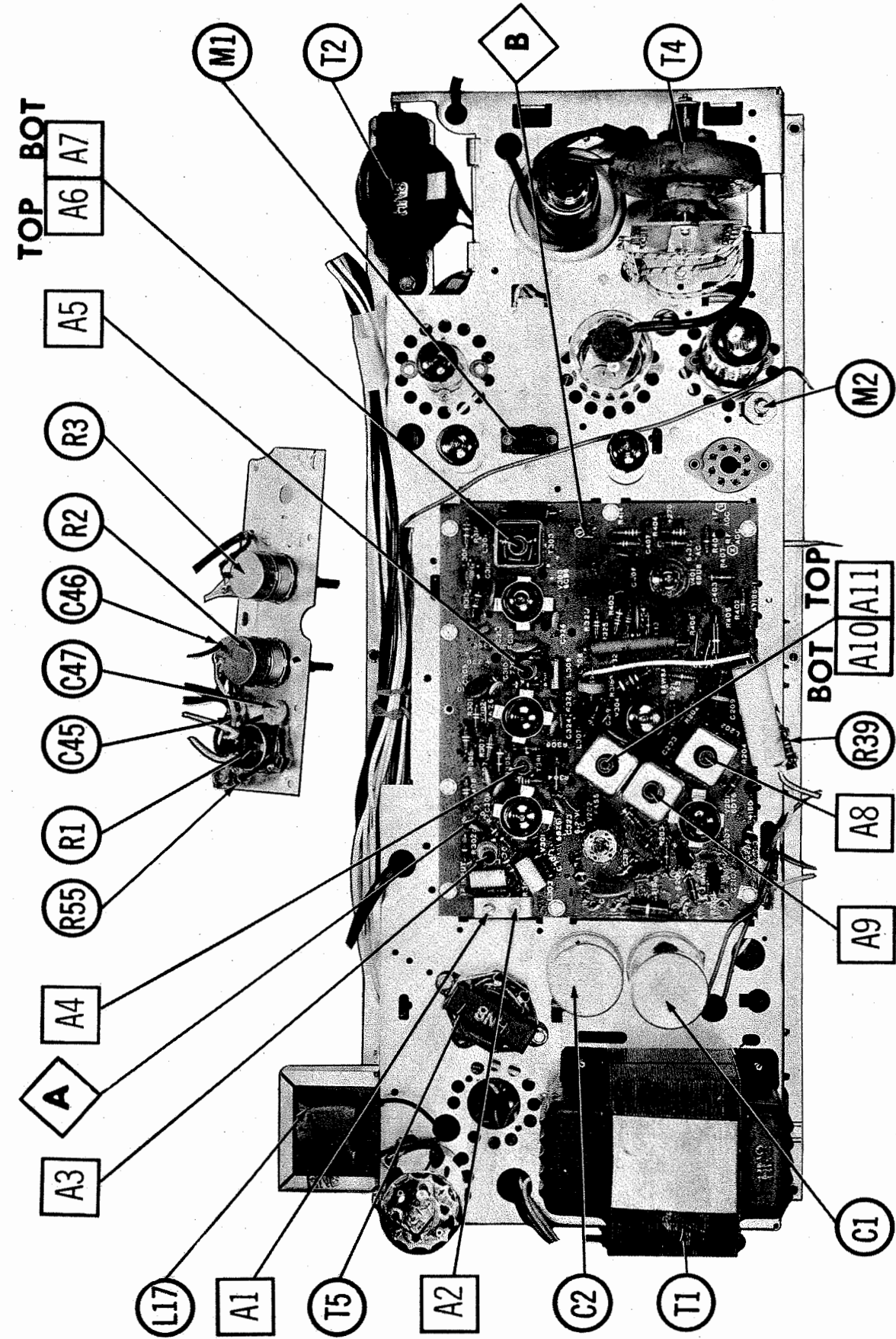
ADMIRAL CHASSIS 18A6C, CB, T, TB, 18B6C, CB, T, TB, 18UA6C, CB, T, TB, 18UB6C, CB, T, TB, 8R1

FOLDER 1



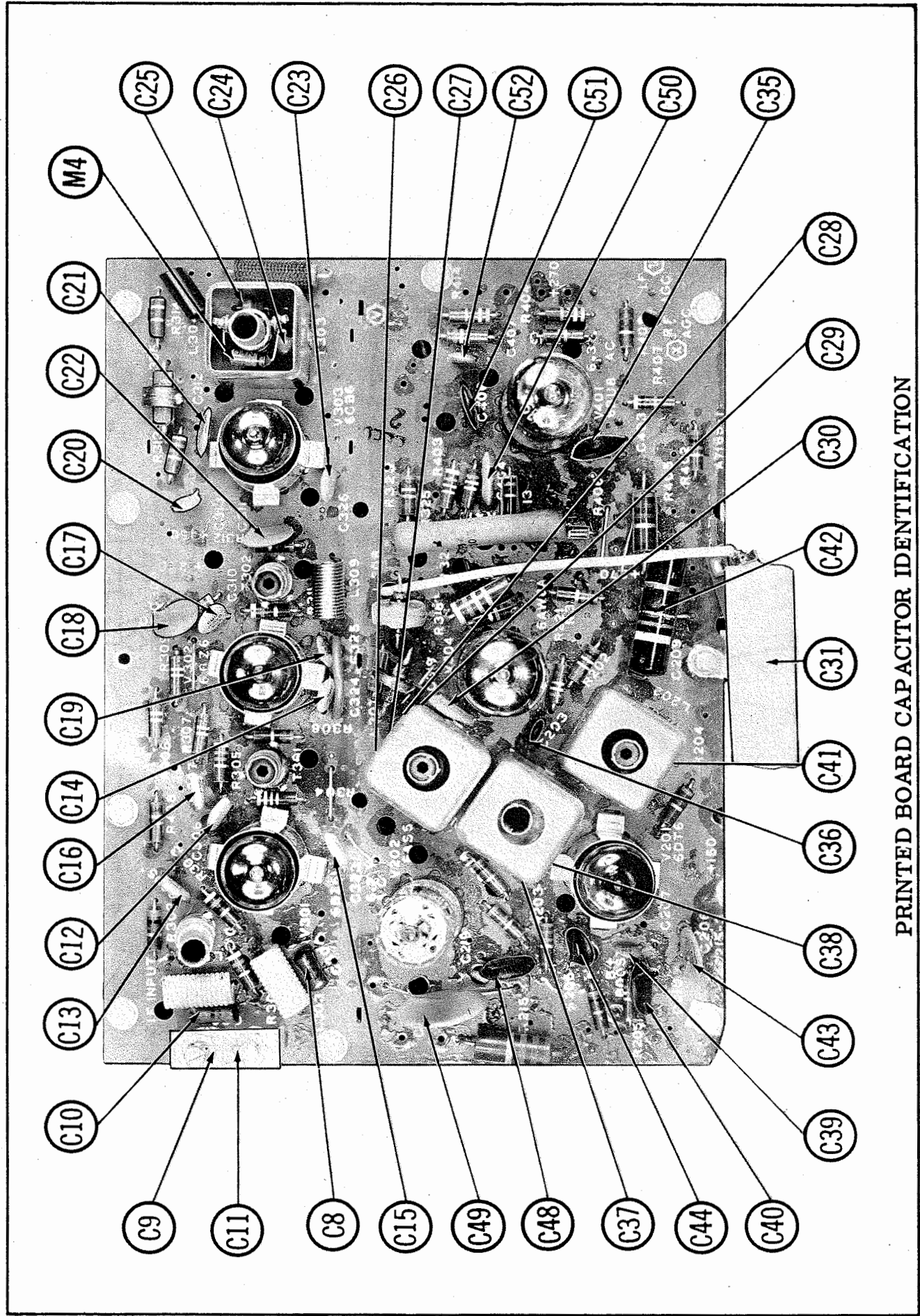


CHASSIS BOTTOM VIEW - RESISTOR IDENTIFICATION

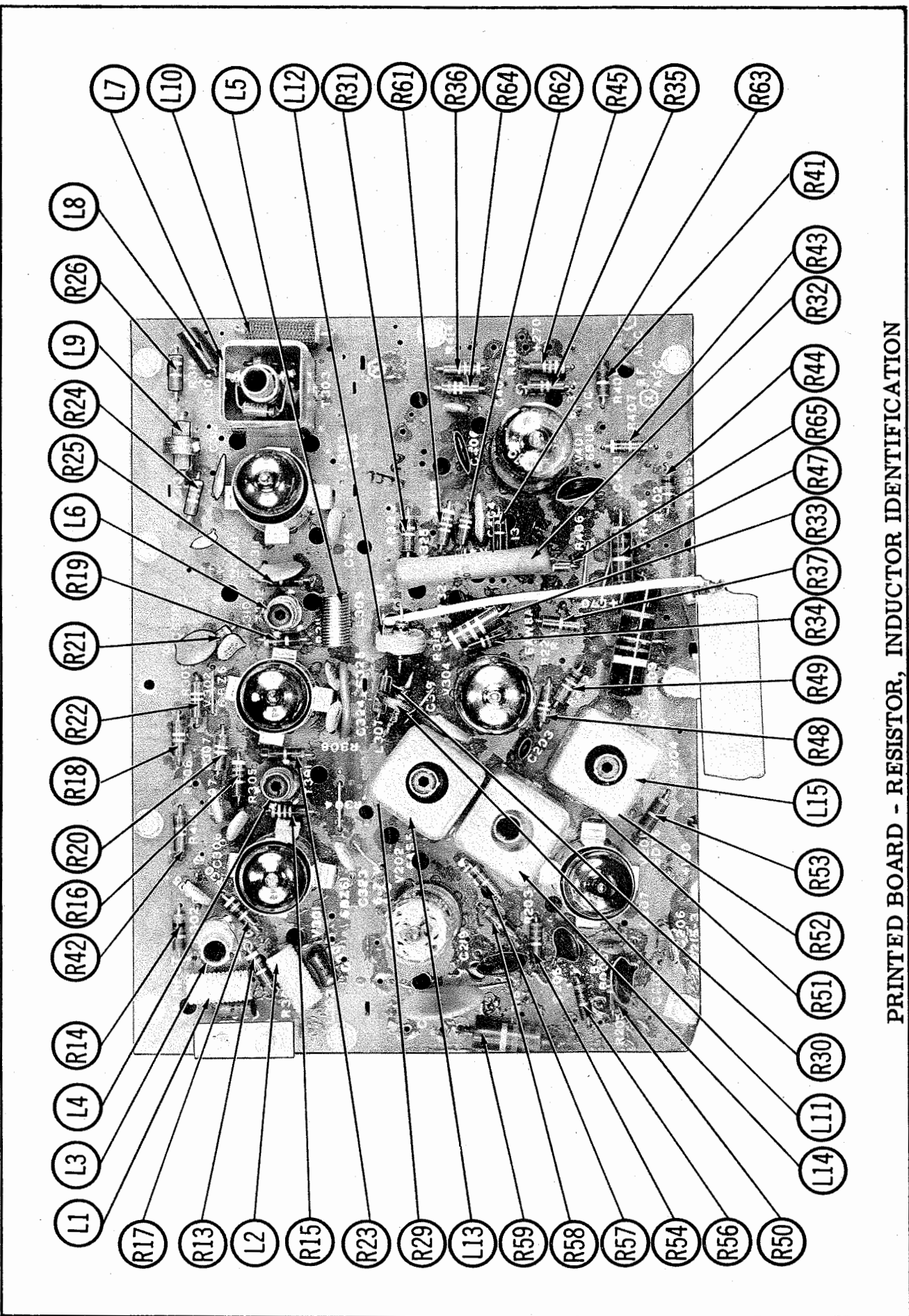


ADMIRAL CHASSIS 18A6C, CB, T, TB, 18B6C, CB, T, TB,  
18UA6C, CB, T, TB, 18UB6C, CB, T, TB, 8R1  
CHASSIS TOP VIEW





PRINTED BOARD CAPACITOR IDENTIFICATION



PRINTED BOARD - RESISTOR, INDUCTOR IDENTIFICATION

ADMIRAL CHASSIS 18A6C, CB, 1, TB, 18B6C, CB, 1, TB, 18U6C, CB, 1, TB, 18UB6C, CB, 1, TB, 8R1



PARTS LIST AND DESCRIPTIONS (Continued)

FUSES

| ITEM No. | TYPE               | RATING         | REPLACEMENT DATA |          |                            |        |               |                 |
|----------|--------------------|----------------|------------------|----------|----------------------------|--------|---------------|-----------------|
|          |                    |                | ADMIRAL PART No. |          | LITTELFUSE PART No.        |        | BUSS PART No. |                 |
|          |                    |                | FUSE             | HOLDER   | FUSE                       | HOLDER | FUSE          | HOLDER          |
| M2       | N                  | 3/4A 125V S/B  | 84A13-38 ①       | 84A12-13 | 333.750 (N-3/4A-125V-S/B)  | 346010 | N 3/4         | HN 1/4 to 3/4   |
|          | N                  | 1A 125V S/B    | 84A13-40 ②       |          | 333001 (N-1A-125V-S/B)     | 346011 | N 1           | HN 3/4 to 1 1/4 |
|          | N                  | 6/10A 125V S/B | 84A13-37 ③       | 84A12-13 | 333.600 (N-6/10A-125V-S/B) | 346010 | N 6/10        | HN 1/2 to 3/4   |
| M3       | 1" Length #26 Wire |                |                  |          |                            |        |               |                 |

① Used in UHF-VHF Chassis stamped Run 16 and lower. ② Used in UHF-VHF Chassis stamped Run 17 and higher. ③ Used in VHF Chassis.

CRYSTAL DIODES

| ITEM No. | ORIG. TYPE | REPLACEMENT DATA |              |                   | NOTES  |
|----------|------------|------------------|--------------|-------------------|--|
|          |            | ADMIRAL PART No. | CBS PART No. | SYLVANIA PART No. |  |
| M4       | 1N87       | 1N87*            | 1N60         | 1N60              | Video Detector (Pigtail)<br>* Some versions may use 1N87A. |

MISCELLANEOUS

| ITEM No. | PART NAME     | ADMIRAL PART No. | NOTES                                       |
|----------|---------------|------------------|---|
| M5       | Lamp          | 81A-8            | #1847, Not used in Ch. 18A6, 18UA6          |
| M6       | Tuner         | 94E160-2         | VHF with UHF provisions, Ch. 18UB6C, 18UB6T |
|          | Tuner         | 94E160-10        | VHF with UHF provisions, Ch. 18UA6C, 18UA6T |
|          | Tuner         | 94E160-1         | VHF, Ch. 18B6C, 18B6T                       |
|          | Tuner         | 94E160-9         | VHF, Ch. 18A6C, 18A6T                       |
| M7       | Tuner         | 94D151-13        | VHF, Ch. 18C6C, 18C6T                       |
|          | Tuner         | 94D162-1         | UHF, Ch. 18UA6C, 18UA6T, 18UB6C, 18UB6T     |
|          | Printed Board | A7185-1          | Complete with components (Less Tubes)       |

CABINETS & CABINET PARTS

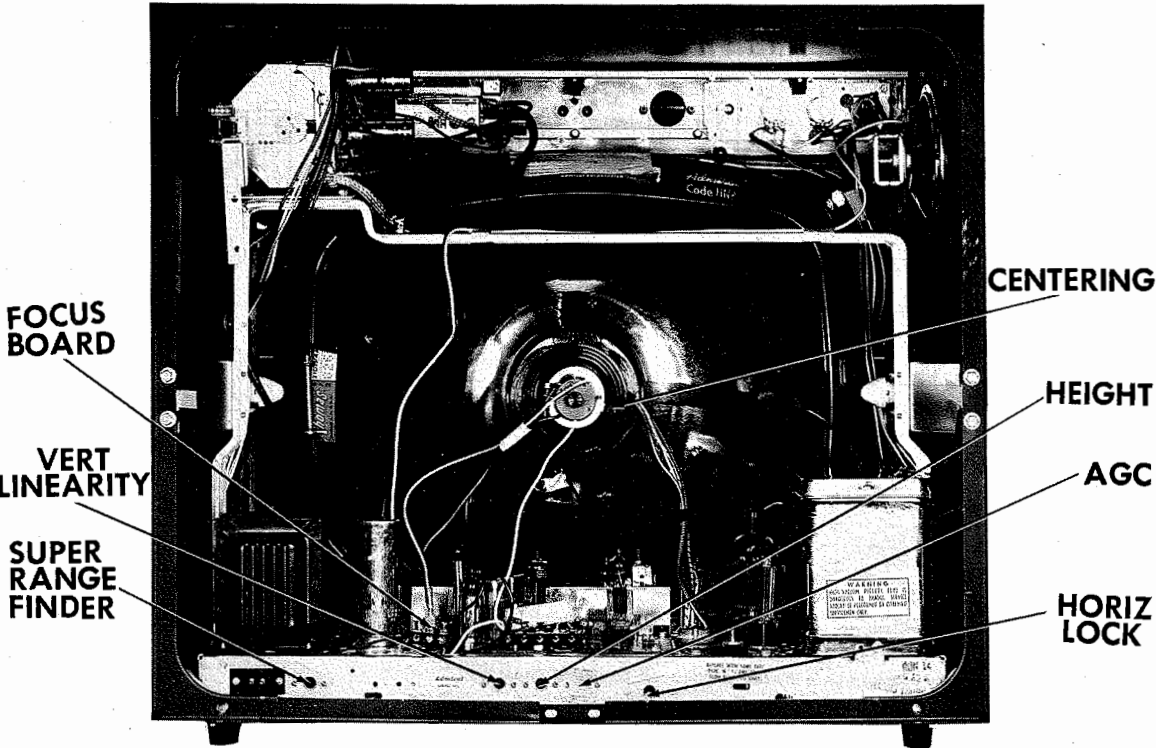
(When Ordering Cabinets & Cabinet Parts, Specify Model, Chassis & Color)

| NAME         | PART NO.  | DESCRIPTION                                    |
|--------------|-----------|--|
| Safety Glass | 21D111-2  |  |
| Bezel        | 23C322-1  | Tuner Bar ††                                   |
| Knob         | 33D231-13 | VHF Channel Selector *, UHF Fine Tuning *†     |
| Knob         | 33D231-17 | VHF Channel Selector †                         |
| Knob         | 33C288-2  | UHF Channel Selector *†                        |
| Knob         | 33C288-3  | VHF Fine Tuning *†                             |
| Knob         | 20C22-1   | VHF Fine Tuning ††, Contrast *††, Vert. Hold * |
| Knob         | 20C22-4   | Contrast †                                     |
| Knob         | 20C22-2   | Volume-Off-On *††, Vert. Hold ††, Tone ††      |
| Knob         | 20C22-5   | Volume-Off-On †, Vert. Hold †                  |
| Knob         | 33B289-1  | Brightness, All Models ; Tone *                |
| Cabinet      | 34E135-9  | Models T21G1, T21UG1                           |
| Cabinet      | 34E135-2  | Models T21G2, T21UG2, T21G11, T21UG11          |
| Cabinet      | 34E135-3  | Models T21G12, T21UG12                         |
| Cabinet      | 34E135-4  | Models T21G13, T21UG13                         |
| Cabinet      | 35E450-2  | Models C21G12, C21UG12                         |
| Cabinet      | 35E450-3  | Models C21G13, C21UG13                         |
| Cabinet      | 35E450-4  | Models C21G14, C21UG14                         |
| Cabinet      | 35E443-2  | Models C21G22, C21UG22                         |
| Cabinet      | 35E443-3  | Models C21G23, C21UG23                         |
| Cabinet      | 35E443-4  | Models C21G24, C21UG24                         |
| Cabinet      | 35E439-2  | Models L21G12, L21UG12                         |
| Cabinet      | 35E439-3  | Models L21G13, L21UG13                         |
| Cabinet      | 35E439-4  | Models L21G14, L21UG14                         |
| Cabinet      | 35E466-2  | Models C21G2, C21UG2                           |
| Cabinet      | 35E466-3  | Models C21G3, C21UG3                           |
| Cabinet      | 35E463-2  | Model LS21G42                                  |
| Cabinet      | 35E463-3  | Model LS21G43                                  |
| Cabinet      | 34E135-7  | Model TS21G22                                  |
| Cabinet      | 34E153-8  | Model TS21G23                                  |
| Cabinet      | 35E449-2  | Model CS21G62                                  |
| Cabinet      | 35E449-3  | Model CS21G63                                  |
| Cabinet      | 35E449-4  | Model CS21G64                                  |
| Legs         | 35E450-52 | Mahogany, Models C21G12, C21UG12               |
| Legs         | 35E443-52 | Mahogany, Models C21G22, C21UG22               |
| Legs         | 37D168-42 | Mahogany, Models L21G12, L21UG12               |
| Legs         | 37D162-2  | Mahogany, Models C21G2, C21UG2                 |
| Legs         | 35E450-53 | Blonde, Models C21G13, C21UG13                 |
| Legs         | 35E443-53 | Blonde, Models C21G23, C21UG23                 |
| Legs         | 37D168-43 | Blonde, Models L21G13, L21UG13                 |
| Legs         | 37D168-3  | Blonde, Models C21G3, C21UG3                   |
| Legs         | 35E450-54 | Ebony, Models C21G14, C21UG14                  |
| Legs         | 35E443-54 | Ebony, Models C21G24, C21UG24                  |
| Legs         | 37D168-44 | Ebony, Models L21G14, L21UG14                  |
| Legs         | 35E463-51 | Model LS21G42                                  |
| Legs         | 35E463-52 | Model LS21G43                                  |

\* Models T21G11, T21UG11, T21G12, T21UG12, T21G13, T21UG13, C21G12, C21UG12, C21G13, C21UG13, C21G14, C21UG14, C21G22, C21UG22, C21G23, C21UG23, C21G24, C21UG24, L21G12, L21UG12, L21G13, L21UG13, L21G14, L21UG14.  
† Models T21G1, T21UG1, T21G2, T21UG2, C21G2, C21UG2, C21G3, C21UG3  
†† Models LS21G42, LS21G43, TS21G22, TS21G23, CS21G62, CS21G63, CS21G64.

WIRING DATA

|   |  |
|---|--|
| High Voltage Lead .....                   | Use BELDEN No. 8869                                      |
| Shielded Hook-up Wire .....               | Use BELDEN No. 8885 (Single Conductor)                   |
|   | 8738 (Two Conductor)                                     |
| General-use Unshielded Hook-up Wire ..... | Use BELDEN No. 8530 (Solid) Available in Ten Colors      |
|   | 8524 (Stranded) Available in Ten Colors                  |
| Power Cord (Interlock Type) .....         | Use BELDEN No. 8874                                      |
| 3000Ω Tuner Input Lead .....              | Use BELDEN No. 6225                                      |
| 3000Ω Antenna Lead-in .....               | Use BELDEN No. 6230 or 8275                              |
| Antenna Rotor Cable .....                 | Use BELDEN No. 8464 (Flat) or 8484 (Round) - 4 Conductor |
|   | 8485 (Round) - 5 Conductor                               |
|   | 8488 (Round) - 8 Conductor                               |



CABINET-REAR VIEW

HORIZONTAL SWEEP CIRCUIT ADJUSTMENTS

Turn the set on and tune in a weak TV station, preferably with a test pattern.

Set the Brightness and Contrast controls for a normal picture.

Turn the Horizontal Lock clockwise until picture loses sync. It may be necessary to switch off channel and back again for picture to lose sync.

Turn the Horizontal Lock slowly counterclockwise until the picture just falls into sync.

SERVICING IN THE FIELD

TUNER OSCILLATOR ADJUSTMENTS

Touch-up adjustment of the VHF Oscillator is possible by removing the Channel Selector and Fine Tuning knobs. Set the Fine Tuning at the center of its range. The adjustments are accessible, one at a time, as the Channel Selector is rotated. Adjust for best picture and sound.

SAFETY GLASS REMOVAL

Place middle finger of each hand under bottom safety glass metal trim and locate 2 metal projections about 6" from each end of trim. Place fingers between these projections and push up on metal trim vigorously until top flange of trim strip clears upper edge of glass retaining plate. Exert pressure with fingers away from glass so trim strip pivots outward. Remove 4 metal screws holding glass metal retainer. Remove safety glass by lifting bottom out and sliding down.

SPECIAL ADJUSTMENTS

A. AGC

Observe the picture and advance the AGC control to a point where the picture distorts or a buzz is heard in the sound. Back off from this setting until the picture becomes stable with no noise in the sound.

B. Focus

The focus may be varied in steps by the position of a plug in the Focus Adjustment board.

C. Super Range Finder

The Super Range Finder control should be turned fully counterclockwise and left there if satisfactory pictures can be obtained in this position. Where the signal strength is weak, turn the control clockwise until the picture is satisfactory.

D. Width

No provision is made to vary the width on this receiver.

HORIZONTAL OSCILLATOR FIELD ADJUSTMENTS

The adjustment of the Horizontal Frequency coil is used as the Horizontal Lock control. Adjust the Horizontal Lock until the picture synchronizes horizontally. (For location, see tube placement chart.)

FUSE

A fuse is used for LV power supply protection and a fuse wire for filament protection.

CENTERING

Centering is accomplished mechanically by adjusting two magnetic rings around the neck of the picture tube. Rotate the two rings around the neck of the tube until the picture is properly centered.

ADMIRAL CHASSIS 18A6C, CB, T, TB, 18B6C, CB, T, TB, 18UA6C, CB, T, TB, 18UB6C, CB, T, TB, 8R1

FOLDER 1

### CAPACITORS (cont)

| ITEM No. | USE                          | TYPE   | NOTES  |
|----------|------------------------------|--------|--------|
| V1       | 1st Video IF Amp.            | 6BZ6   |        |
| V2       | 2nd Video IF Amp.            | 6BZ6   |        |
| V3       | 3rd Video IF Amp.            | 6CB6   |        |
| V4       | Video Output-Sound IF        | 6AW8A  |        |
| V5       | AGC Keying-Noise Limiter     |        |        |
|          | -Sync Sep.                   | 6BU8   |        |
| V6       | Audio Det.                   | 6DT6   |        |
| V7       | Audio Output                 | 6AS5   |        |
| V8       | Vert. Mult. -Sync Phase Inv. | 6CG7   |        |
| V9       | Vert. Mult. -Vert. Output    | 6DB5   |        |
| V10      | Horiz. Mult.                 | 6CG7   |        |
| V11      | Horiz. Output                | 6DQ6A  |        |
| V12      | Damper                       | 6AD4GT |        |
| V13      | HV Rect.                     | 1B3GT  |        |
| V14      | LV Rect.                     | 5V3    | Note 1 |

## PICTURE TUBE

| ITEM No. | REPLACEMENT DATA |                           |              |                   | NOTES                                  |
|----------|------------------|---------------------------|--------------|-------------------|--|
|          | ADMIRAL PART No. | GENERAL ELECTRIC PART No. | RCA PART No. | SYLVANIA PART No. |  |
| V15      | 21DEP4A          | 21DEP4 ①                  |              | 21DEP4 ②          | ① "Aluminized"<br>② "Silver Screen 85" |

| ITEM No. | RATING |       | REPLACEMENT DATA |                  |                           |                 |                  |                  |                  |
|----------|--------|-------|------------------|------------------|---------------------------|-----------------|------------------|------------------|------------------|
|          | CAP.   | VOLT. | ADMIRAL PART No. | AEROVOX PART No. | CORNELL DUBILIER PART No. | MALLOY PART No. | PYRAMID PART No. | SANGAMO PART No. | SPRAGUE PART No. |
| C1A      | ±40    | 350   | 87D15-323        | AFH2-84-25       | B0331                     | FP247           | TMT-164          | D-177            | TVL-2838         |
| B        | ±100   | 350   |                  |                  |                           |                 |                  |                  |                  |
| C2A      | ±5     | 200   | 87D15-320        |                  |                           |                 |                  |                  |                  |
| B        | ±80    | 200   |                  |                  |                           |                 |                  |                  |                  |
| C        | ±50    | 50    |                  |                  |                           |                 |                  |                  |                  |
| C3       | ±40    | 200   | 67B4-21          | PR8250V40        | BR4025                    | TC58            | TD-40-250        | MT-2540          | TVA-1511         |
| C4A      | ±50    | 350   | 87D15-221        | AFH3-26-30       | C0225                     | FP330. 7        | TMT-205          | S-220            |                  |
| B        | ±10    | 350   |                  |                  |                           |                 |                  | MT-4510          |                  |

## FIXED CAPACITORS

| ITEM No. | RATING |      | REPLACEMENT DATA |                  |                    |                           |                  |                  |          | NOTES |
|----------|--------|------|------------------|------------------|--------------------|---------------------------|------------------|------------------|----------|-------|
|          | CAP.   | VOLT | ADMIRAL PART No. | AEROVOX PART No. | CENTRALAB PART No. | CORNELL-DUBILIER PART No. | MALLORY PART No. | SPRAGUE PART No. |          |       |
| C5       | 1.2    | 200  | 64B8-37          | P288N-22         |                    | CUB2P22                   | GEM-2022         | 2TM-P22          |          |       |
| C6       | 2.20   | 100  | 64A10-3          | P288N-1.0        |                    | CUB2W1                    | GEM-21           | 2TM-M1           |          |       |
| C7       | 6.8    |      | 65D10-102        |                  | DTZ-6R8            |                           | CNO-588          | 5TCCB-V688 5% *  | NPO 5%   |       |
| C8       | 20     |      | 65D6-139         |                  | TCZ-20             |                           |                  | 5TCCB-Q28 5% *   | NPO 2%   |       |
| C9       | 3-13   |      | 66A38-7          |                  |                    |                           |                  |                  | N220     |       |
| C10      | 15     |      | 65D6-140         |                  | TCZ-15             |                           |                  | 5TCCB-Q28 2% *   | NPO 2%   |       |
| C11      | 3-13   |      | 66A38-7          |                  |                    |                           |                  |                  |          |       |
| C12      | 820    |      | 65D10-91         | BPD-0008         | DD-821             | L10T82                    | B-382            | 5GA-T82          |          |       |
| C13      | 820    |      | 65D10-91         | BPD-0008         | DD-821             | L10T82                    | B-382            | 5GA-T82          |          |       |
| C14      | 820    |      | 65D10-91         | BPD-0008         | DD-821             | L10T82                    | B-382            | 5GA-T82          |          |       |
| C15      | 820    |      | 65D10-91         | BPD-0008         | DD-821             | L10T82                    | B-382            | 5GA-T82          |          |       |
| C16      | 820    |      | 65D10-91         | BPD-0008         | DD-821             | L10T82                    | B-382            | 5GA-T82          |          |       |
| C17      | 820    |      | 65D10-91         | BPD-0008         | DD-821             | L10T82                    | B-382            | 5GA-T82          |          |       |
| C18      | 2200   |      | 65D10-70         | DI-2200          | DD-222             | L10D22                    | B-222            | 5GA-D22          |          |       |
| C19      | 820    |      | 65D10-91         | HVD-15-820       | DD-821             | L10T82                    | B-382            | 5GA-T82          |          |       |
| C20      | 820    |      | 65D10-91         | HVD-15-820       | DD-821             | L10T82                    | B-382            | 5GA-T82          |          |       |
| C21      | 560    |      | 65D6-131         |                  |                    |                           |                  |                  |          |       |
| C22      | 5000   |      | 65D10-5          | DI-5000          | DD-502             | L10D5                     | B-250            | 5GA-D5           | N3500 5% |       |
| C23      | 820    |      | 65D10-91         | HVD-15-820       | DD-821             | L10T82                    | B-382            | 5GA-T82          |          |       |
| C24      | 3.3    |      | 65D6-89          |                  | TCZ-3R3            | CTA6V33C                  |                  | 5TCCB-V33S 10% * | NPO 5%   |       |
| C25      | 6.8    |      | 65B41-141        | NPO-SI 6.8       | TCZ-6R8            | CTA6V68C                  | ZT-5568          | 5TCCB-V688 10% * | 10%      |       |
| C26      | 47     |      | 65D10-92         |                  | DTZ-47             |                           | CNO-447          | 5GA-Q47S 5% *    | 5%       |       |
| C27      | 4.7    |      | 65D28-138        | NPO-DI 4.7       | DTZ-4.7            | C10V47C                   | CNO-547          | 10GAB-V47        |          |       |
| C28      | 47     |      | 65D10-92         |                  | DTZ-47             |                           | CNO-447          | 5GA-Q47S 5% *    | 5%       |       |
| C29      | 47     |      | 65D10-80         | DI-47            | DD-470             | L10Q47                    | CNO-447          | 5GA-Q47          |          |       |
| C30      | 5000   |      | 65D10-5          | DI-5000          | DD-502             | L10D5                     | B-250            | 5GA-D5           |          |       |
| C31      | 2.2    | 400  | 64B8-24          | P488N-22         |                    | CUB4P22                   | GEM-4022         | 4TM-P22          |          |       |
| C32      | 0.47   | 1000 | 64B2-30          | P1088N-047       | DF-503             | CUB10847                  | GEM-10147        | 10TM-S47         |          |       |
| C33      | .1     | 400  | 64B8-7           | P488N-1          | DF-104             | CUB4P1                    | GEM-401          | 4TM-P1           |          |       |
| C34      | 1000   | 2000 | 65D10-181        | HVD-30-1000      | DD-102             | HVB20D1                   | 2HV-210          | 20GA-D1          |          |       |
| C35      | 10000  |      | 65D10-41         | DI-10000         | DD-103             | BYA10S1                   | B-110            | 5GA-S1           |          |       |
| C36      | 1000   |      | 65D10-53         | DI-1000          | DD-102             | L10D1                     | B-210            | 5GA-D1           |          |       |
| C37      | 4.5    |      | 65B40-57         |                  |                    |                           |                  | 5TCCB-V45S 5% *  | 5%       |       |
| C38      | 82     |      | 65D10-98         |                  | DTZ-82             |                           | CNO-482          | 5TCCB-Q28S 5% *  | NPO 5%   |       |
| C39      | 100    |      | 65D10-84         | DI-100           | DD-101             | L10T1                     | CNO-310          | 5GA-T1           |          |       |
| C40      | 10000  |      | 65D10-41         | DI-10000         | DD-103             | BYA10S1                   | B-110            | 5GA-S1           |          |       |
| C41      | 18     |      | 65D10-140        |                  |                    |                           |                  |                  | N220 5%  |       |
| C42      | 0.47   | 200  | 64B8-41          | P288N-047        | DF-503             | CUB2847                   | GEM-4147         | 2TM-S47          |          |       |
| C43      | 4700   |      | 65D10-112        | DI-4700          | DD-472             | L10D47                    | B-247            | 5GA-D47          |          |       |
| C44      | 1500   |      |                  |                  |                    |                           |                  |                  |          |       |

| ITEM No. | RATING |      | REPLACEMENT DATA |                  |                    |                           |                  |                  | NOTES                         |
|----------|--------|------|------------------|------------------|--------------------|---------------------------|------------------|------------------|-------------------------------|
|          | CAP.   | VOLT | ADMIRAL PART No. | AEROVOX PART No. | CENTRALAB PART No. | CORNEIL DUBILIER PART No. | MALLORY PART No. | SPRAGUE PART No. |                               |
| C74      | 330    | 2000 | 85D10-186        |                  |                    |                           |                  |                  | N500 10%<br>N500 10%<br>10% ④ |
| C75      | 120    | 2000 | 85D10-148        |                  |                    |                           |                  |                  |                               |
| C76      | .027   | 1800 | 64B2-46          |                  |                    |                           |                  |                  |                               |
| C77      | .047   | 1000 | 64B2-30          | P1088N-047       | DF-503             | CUB10S47                  | GEM-10I47        | MB-S27S 10%*     |                               |
| C78      | .047   | 1000 | 64B2-30          | P1088N-047       |                    | CUB10S47                  | GEM-10I47        | 10TM-S47         |                               |
| C79      | .047   | 600  | 63B12-1          | P688N-047        | DF-503             | CUB6S47                   | GEM-6I47         | 8TM-S47          |                               |

\* Not normally in distributors stock. Available thru distributor on order to manufacturer.

- ① Not used in Ch. 18UA6 Series.
- ② Not used in chassis stamped Run 10 or 11.
- ③ Not used in chassis stamped Run 12 only.
- ④ Chassis stamped Run 10 thru 13 use .022mfd @ 1600V in this application (Part #64B2-43)

| ITEM No.      | RATING                  |               | REPLACEMENT DATA    |                      |                          |   |   | INSTALLATION NOTES           |
|---------------|-------------------------|---------------|---------------------|----------------------|--------------------------|---|---|------------------------------|
|               | RESIST-<br>ANCE         | WATTS         | ADMIRAL<br>PART No. | CENTRAL8<br>PART No. | CLAROSTAT<br>PART No.    | IRC<br>PART No.                         | MALLORY<br>PART No.                           |                              |
| R1A<br>B<br>C | 1meg<br>Shaft<br>Switch | $\frac{1}{2}$ | 75B44-2             |                      |                          |   |   | Volume, Tap @ 150K, Note 1   |
| R2A<br>B      | 2meg<br>200K            | $\frac{1}{2}$ | 75B17-33            | F1-68<br>R2-33       | RTV-871<br>Not Req.      | $\uparrow$ = $\overline{\text{QJ}}-984$ | $\uparrow\uparrow$ $\overline{\text{UE}}3908$ | Tone, Note 2<br>Vert. Note 2 |
| R3A<br>B      | 100K<br>1000Q           | $\frac{1}{2}$ | 75B17-31            | F1-31<br>R2-5        | RTV-873<br>Not Req.      | $\uparrow$ = $\overline{\text{QJ}}-985$ | $\uparrow\uparrow$ $\overline{\text{UE}}3909$ | Brightness<br>Contrast       |
| R4A<br>B      | 1000Q<br>Shaft          | $\frac{1}{2}$ | 75D20-116           | AB-40<br>AK-1        | B47-100K-S<br>Not Req.   | B11-128<br>TMI-Kit                      | PTA15L<br>Not Req.                            | Super Range Finder           |
| R5A<br>B      | 500Q<br>Shaft           | $\frac{1}{2}$ | 75D20-100           | AB-4<br>AK-10        | B47-500-S<br>Not Req.    | Q11-103<br>TQ                           | PTA52L<br>Not Req.                            | Vert. Lin.                   |
| R6A<br>B      | 1meg<br>Shaft           | $\frac{1}{2}$ | 75D20-104           | AB-742<br>AK-10      | B47-1.5meg-S<br>Not Req. | Q11-138<br>TQ                           | PTA14L<br>Not Req.                            | Height                       |
| R7A<br>B      | 100K<br>Shaft           | $\frac{1}{2}$ | 75D20-118           | AB-36<br>AK-1        | B47-100K-S<br>Not Req.   | B17-128<br>TMI-Kit                      | PTA15L<br>Not Req.                            | AGC                          |

■ Not available as a factory assembled unit.  
† "Concentrikit" Equivalent : K-6 Kit, Base Elements & Shafts : B13-139, P14-102 (Panel)  
B11-129, R1-118 (Rear)  
‡ "STA-LOC" Equivalent : FA26A, OS1062 (panel), RU25L, IS147 (Rear)  
# "Concentrikit" Equivalent: K-6 Kit, Base Elements & Shafts : B11-228, P14-102 (Panel)  
B17-108, R1-118 (Rear)

Note #1 "STA-LOC" Equivalent : FA15L, OS1062, RU13R, IS1562.

Note 1. Alternate Part #75C4A-2.

Note 2. Ch. 18A6C, CB, T, TB use individual controls: Tone Part #75D13-103, Vertical Part #75B13-102.  
In Ch. 18A6UA6C, CB, T, TB use only the individual Vertical control.

All wattages 1/2 watt. or less, unless otherwise listed.

| ITEM No. | RATING   |      | ADMIRAL PART No. | NOTES  | ITEM No. | RATING    |      | ADMIRAL PART No. | NOTES     |
|----------|----------|------|------------------|--------|----------|-----------|------|------------------|-----------|
|          | OHMS     | WATT |                  |        |          | OHMS      | WATT |                  |           |
| R8       | 2200Ω    | 3    | 61B24-333        | Note 1 | R57      | 1meg 5%   |      | 60B7-105         |           |
| R9       | 1000Ω    |      | 60B8-102         |        | R58      | 150Ω      |      | 60B8-151         |           |
| R10      | 8200Ω    | 3    | 61B24-347        |        | R59      | 220Ω      | 2    | 60B20-221        | Note 4    |
| R11      | 4700Ω    | 4    | 61B24-441        |        | R60      | 7000Ω     | 7    | 61B20-29         |           |
| R12      | 33Ω      |      | 60B8-330         |        | R61      | 47K       |      | 60B8-473         |           |
| R13      | 4700Ω 5% |      | 60B7-372         |        | R62      | 56K       |      | 60B8-563         |           |
| R14      | 1000Ω    |      | 60B8-102         |        | R63      | 4.7meg    |      | 60B8-475         |           |
| R15      | 39K      |      | 60B8-338         |        | R64      | 270K      |      | 60B8-274         |           |
| R16      | 470Ω     |      | 60B8-471         |        | R65      | 4.7meg    |      | 60B8-475         |           |
| R17      | 47Ω      |      | 60B8-470         |        | R66      | 2.2meg    |      | 60B8-225         |           |
| R18      | 220K     |      | 60B8-224         |        | R67      | 6800Ω     |      | 60B8-682         |           |
| R19      | 4700Ω    |      | 60B8-472         |        | R68      | 5600Ω     |      | 60B8-562         |           |
| R20      | 22K      |      | 60B8-223         |        | R69      | 3300Ω     |      | 60B8-332         |           |
| R21      | 470Ω     |      | 60B8-471         |        | R70      | 15K       |      | 60B8-153         |           |
| R22      | 220K     |      | 60B8-224         |        | R71      | 15K       |      | 60B8-153         |           |
| R23      | 68Ω      |      | 60B8-680         |        | R72      | 220K      |      | 60B8-224         |           |
| R24      | 470Ω     |      | 60B8-471         |        | R73      | 220Ω      |      | 60B8-224         |           |
| R25      | 150Ω     |      | 60B8-151         |        | R74      | 470K      |      | 60B8-474         |           |
| R26      | 3300Ω    |      | 60B8-332         |        | R75      | 56K       |      | 60B8-563         |           |
| R27      | 47K      |      | 60B8-473         |        | R76      | 2.2meg    |      | 60B8-225         |           |
| R28      | 100Ω     |      | 60B8-101         |        | R77      | 39K       | 1    | 60B14-393        | Note 5    |
| R29      | 100K     |      | 60B8-104         |        | R78      | 470Ω      | 3    | 61A1-45          |           |
| R30      | 6800Ω    |      | 60B8-682         | Note 2 | R79      | 100Ω      |      | 60B8-101         |           |
| R31      | 15K      |      | 60B8-153         |        |          | R80       | 27K  | 1                | 60B14-273 |
| R32      | 5800Ω    |      | 61B24-443        |        | R81      | 180Ω      | 1    | 60B14-181        |           |
| R33      | 47K      | 1    | 60B14-473        |        | R82      | 39K       |      | 60B8-393         |           |
| R34      | 18K      |      | 60B8-183         |        | R83      | 22Ω       |      | 60B8-221         |           |
| R35      | 82K      |      | 60B8-823         |        | R84      | 3.8Ω Cold |      | 61A27            |           |
| R36      | 39K      | 1    | 60B14-393        |        | R85      | 220Ω      |      | 60B8-221         |           |
| R37      | 180Ω     |      | 60B8-181         |        | R86      | 2200Ω     |      | 60B8-222         |           |
| R38      | 120K     |      | 60B8-124         |        | R87      | 100K      |      | 60B8-104         |           |
| R39      | 82K      |      | 60B8-823         |        | R88      | 100K      |      | 60B8-104         |           |
| R40      | 390K     |      | 60B8-394         |        | R89      | 22K       | 3    | 61B24-367        |           |
| R41      | 2.2meg   |      | 60B8-225         |        | R90      | 4.7meg    |      | 60B8-475         |           |
| R42      | 150K     |      | 60B8-154         |        | R91      | 470K      |      | 60B8-474         |           |
| R43      | 3meg 5%  |      | 60B7-305         |        | R92      | 10K       |      | 60B8-103         |           |
| R44      | 10meg    |      | 60B8-106         |        | R93      | 1200Ω     |      | 60B8-122         |           |
| R45      | 39K      |      | 60B8-393         |        | R94      | 47K       |      | 60B8-473         |           |
| R46      | 56K      |      | 60B8-563         |        | R95      | 82K       |      | 60B8-823         |           |
| R47      | 8200Ω    | 1    | 60B14-822        |        | R96      | 15K       |      | 60B8-153         |           |
| R48      | 56K      |      | 60B8-563         | Note 3 | R97      | 100Ω      |      | 60B8-101         |           |
| R49      | 100K     |      | 60B8-104         |        |          | R98       | 1meg |                  | 60B8-105  |
| R50      | 560K     |      | 60B8-564         |        | R99      | 12K       | 3    | 61B24-351        |           |
| R51      | 100K     |      | 60B8-104         |        | R100     | 220K      |      | 60B8-224         |           |
| R52      | 560K     |      | 60B8-564         |        | R101     | 150K      |      | 60B8-151         |           |
| R53      | 8200Ω    |      | 60B8-822         |        | R102     | 470K      |      | 60B8-474         |           |
| R54      | 680Ω     |      | 60B8-681         |        | R103     | 4700Ω     |      | 60B8-472         |           |
| R55      | 47K      |      | 60B8-473         |        | R104     | 1.2Ω      |      | 60B28-64         |           |
| R56      | 1meg 5%  |      | 60B7-105         |        | R105     | 270K      |      | 60B8-274         | Note 6    |

Note 1. Used in UHF Chassis. VHF Chassis use 9100Q 5% 2W (Part #60B19-912), except Ch. 18C9C, 18C8T stamped Run 18 and higher which use 10K 3W.  
 Note 2. Not used in chassis stamped Run 10 or Run 16 and higher.  
 Note 3. Not used in chassis stamped Run 10.  
 Note 4. A 15K 2W resistor is used in VHF versions (Part #60E20-153).  
 Note 5. Not used in chassis stamped Run 10, Run 11.  
 Note 6. Chassis stamped Run 15 and higher use 470K in this application (Part #60B8-474).

| ITEM No. | USE                 | REPLACEMENT DATA |                   |                |                 |              | NOTES   |
|----------|---------------------|------------------|-------------------|----------------|-----------------|--------------|---|
|          |                     | ADMIRAL PART No. | Meissner PART No. | Merit PART No. | Miller PART No. | Rom PART No. |   |
| L1       | 41.25MC Trap Coil   | 73B37-4          |                   |                |                 |              |   |
| L2       | 47.25MC Trap Coil   | 73B37-4          |                   |                |                 |              |   |
| L3       | 1st Video IF        | 72C132-31        |                   |                |                 |              |   |
| L4       | 2nd Video IF        | 72C132-38        |                   |                |                 |              |   |
| L5       | FIL. Choke          | 73B37-2          | 19-1001           | BC-562         | 4804            |              | 1.4 Microhenries                                |
| L6       | 3rd Video IF        | 72C132-38        |                   |                |                 |              |   |
| L7       | 4th Video IF        | 72H191-3         |                   |                |                 |              | Includes M4, C24, C25                           |
| L8       | RF Choke            | 73B31-4          |                   |                |                 |              |   |
| L9       | Shunt Peaking Coil  | 73B35-20         | 19-3500           | TV-203         | 6174            | VP-8         | 500 Microhenries                                |
| L10      | RF Choke            | 73B31-3          |                   |                |                 |              | 28 Microhenries                                 |
| L11      | Series Peaking Coil | 73B35-32         | 19-3180 ▲         | TV-184 ▲       | 6180 ▲          | VP-5 ▲       | 188 Microhenries, wound on 18K resistor, Note 1 |
| L12      | Shunt Peaking Coil  | 73B35-36         |                   |                |                 |              | Wound on 10K resistor                           |
| L13      | 1st Sound IF        | 72C185-2         |                   |                |                 |              | Includes C26, C28                               |
| L14      | 2nd Sound IF        | 72B186-1         |                   |                |                 |              |   |
| L15      | Quadrature Coil     | 72C132-37        |                   |                |                 |              |   |

Note 1. Chassis stamped Run 16 or higher use Part #73C5-23 wound on 4700Ω resistor.  
▲ Parallel with 18K resistor.

| ITEM No. | DC RES. |      | REPLACEMENT DATA |                   |                |                 |              |                     | NOTES                                    |
|----------|---------|------|------------------|-------------------|----------------|-----------------|--------------|---------------------|--|
|          |         |      | ADMIRAL PART No. | Meissner PART No. | Merit PART No. | Miller PART No. | Rom PART No. | Thordorson PART No. |  |
|          | PRI.    | SEC. |                  |                   |                |                 |              |                     |  |
| L16      | 100Ω    |      | 94C17-7          | 19-1678*          | TV-163 *       | 6210 *          | R-102 *      | HS-5 *              | Horiz. Freq. *<br>Enlarge mounting hole. |

| ITEM No. | RATINGS            |             |                                       | REPLACEMENT DATA |                     |                |              |                  |                     |                |
|----------|--------------------|-------------|---------------------------------------|------------------|---------------------|----------------|--------------|------------------|---------------------|----------------|
|          | CURRENT (Measured) | DC RES.     | INDUCTANCE (0 CURRENT 1000 $\Omega$ ) | ADMIRAL PART No. | Halldorson PART No. | Merit PART No. | Ram PART No. | Stancor PART No. | Thordarson PART No. | Triad PART No. |
| L17      | .285A              | 48 $\Omega$ | 1.7 Hy.                               | 74B18-28 ①       | C5037               | C-2996         |              | C-2328           | 28C44               | C-1TX          |

① Use Part #74B18-27

① Use Part #74B18-27

| ITEM No. | RATING                   |                   |              | REPLACEMENT DATA |                     |                |              |                  |                     |                |
|----------|--------------------------|-------------------|--------------|------------------|---------------------|----------------|--------------|------------------|---------------------|----------------|
|          | PRI.                     | SEC. 1            | SEC. 2       | ADMIRAL PART No. | Halldarson PART No. | Merit PART No. | Rom PART No. | Slancor PART No. | Thordarson PART No. | Triod PART No. |
| TI       | 117V<br>① 1.9A           | 560VCT<br>② .285A | 5V<br>③ 3.8A | 80D65-2 ①        |                     |                |              |                  |                     |                |
|          | SEC. 3<br>6.3V<br>④ 9.8A | SEC. 4            | SEC. 5       |                  |                     |                |              |                  |                     |                |

① Used in UHF-VHF Models. VHF Models except those using Remote Control Unit 8R1 use Part #80D85-1. VHF Models using Remote Control Unit 8R1 use Part #80D85-3.

| ITEM No. | USE   | REPLACEMENT DATA |                     |                |              |                 |                  |                     |                            |  |
|----------|---|------------------|---------------------|----------------|--------------|-----------------|------------------|---------------------|----------------------------|--|
|          |   | ADMIRAL PART No. | Holldorson PART No. | Merit PART No. | Ram PART No. | Rogers PART No. | Stoncor PART No. | Thordarson PART No. | Triod PART No.             |  |
| T2       | Vert. Output<br>Yoke-Horiz. (18.8MH)<br>(110°)-Vert. (13.8MH) | 79B43-16         |                     |                | V319         |                 |                  | 26S14               | A-113X ①                   |  |
| T3       |   | 94DI50-4 ②       |                     |                | Y-110 ③④     |                 | DY-27A ③         | Y-52 ④              | Y-60 &<br>NW25 &<br>YC-110 |  |
|          | Rear Cover &<br>Centering Device                              | 94CI52-1         |                     |                |              |                 |                  |                     |                            |  |
| T4       | Horiz. Output   | 79D77-4          |                     |                | XI62 *       | EFRI72*         | HO-304 *         | FLY-137*            | D-151                      |  |

- ① Connect as autotformer.
- ② Includes yoke plug.
- ③ Connect yoke terminal #2 to yoke plug pin #3, yoke terminals #1 and #3 to yoke plug pin #4, yoke terminal #10 to yoke plug pin #5.
- ④ Use original yoke damping network, if necessary. Requires new rear cover and centering device.

#### \*HORIZONTAL OUTPUT TRANSFORMER CONNECTION DATA

Use Original Width Coil Unless Replacement Type Is Listed

|  | ORIGINAL<br>TERMINAL<br>CONNECTIONS | Haldorsen<br>Replacement<br>Connections | Merit<br>Replacement<br>Connections | Ram<br>Replacement<br>Connections | Rogers<br>Replacement<br>Connections | Stancor<br>Replacement<br>Connections | Thordarson<br>Replacement<br>Connections | Triad<br>Replacement<br>Connections |
|--|-------------------------------------|---|-------------------------------------|-----------------------------------|--------------------------------------|---------------------------------------|--|-------------------------------------|
|  | 5                                   |   |                                     | 5                                 | 5                                    | 5                                     | 5  |                                     |
|  | 6                                   |   |                                     | 6                                 | 4                                    | 6                                     | 6  |                                     |
|  | 7                                   |   |                                     | 7                                 | 2                                    | 7                                     | 7  |                                     |
|  | 8                                   |   |                                     | 8                                 | 1                                    | 8                                     | 8  |                                     |
|  | 2                                   |   |                                     | 2                                 | 7                                    | 2                                     | 1  |                                     |
|  | 1                                   |   |                                     | 1                                 | 8                                    | 1                                     | 2  |                                     |

| ITEM No. | TYPE |       |            | REPLACEMENT DATA |               | NOTES  |
|----------|------|-------|------------|------------------|---------------|--|
|          | SIZE | FIELD | V. C. IMP. | ADMIRAL PART No. | QUAM PART No. |  |
| SP1      | 5"   | PM    | 3-4Ω       | 78B139-7 ①       | 5AIR          | ① Used in Models T2IG1, 2, 11, 12, 13, T2UG1, 2, 11, 12, 13, T2IG22, 23<br>② Used in Models C2IG2, 3, 12, 13, 14, 22, 23, 24, C2UG2, 3, 12, 13, 14, 22, 23, 24, L2IG12, 13, 14, L2UG12, 13, 14<br>③ Used in Models L2SIG42, 43, 44<br>④ Used in Models CS2IG42, 43, 44 |
|          | 5"   | PM    |            | 78B139-8 ②       |               |  |
|          | 5"   | PM    |            | 78B139-2 ③       |               |  |
|          | 6"   | PM    |            | 78C134-7 ④       |               |  |
|          | 5"   | PM    |            | 78D135-10 ⑤      |               |  |
|          | 5"   | PM    |            | 78B139-10 ⑥      |               |  |

| ITEM No. | RATING             | REPLACEMENT DATA |                  |                           |                        |                         | NOTES                                       |
|----------|--------------------|------------------|------------------|---------------------------|------------------------|-------------------------|---|
|          | CURRENT (Measured) | ADMIRAL PART No. | FEDERAL PART No. | GENERAL ELECTRIC PART No. | INTERNATIONAL PART No. | SARKES TARIJAN PART No. |   |
| MI       |                    | 93B5-4 ①         | KI616 ①          |                           | SD-91 ②                |                         | ① Selenium type.<br>② Silicon type, 2 used. |

ADMIRAL CHASSIS 18A6C, CB, T, TB, 18B6C, CB, T  
TB, 18UA6C, CB, T, TB, 18UB6C, CB, T, TB, 8R1

**FOLDER 1**