



PHOTOFACT[®] with

CIRCUITRACE[®]

For Supplier Address See PHOTOFACT Index



MODEL 884 (PU-606A-01)
FM-FM MPX w/8-Track Stereo Tape Player)

ADJUSTMENTS

| ADJUST | REMARKS |
|--------------|---|
| Head Height | Play a test cartridge, follow instructions with cartridge, and adjust B1 for proper response. |
| Head Azimuth | Connect an AC VTVM across right output. Play a test cartridge and adjust B2 for maximum. |

TROUBLE CHART

| SYMPTOM | REMARKS |
|--------------------------------|--|
| Capstan does not rotate. | Belt (1) dirty, worn, or broken. Assembly (10) binding. Motor defective or not supplied with power. Pulley (17) loose. |
| Track-shift mechanism | Switch (S2) dirty. Gear (5) binding or worn. Cam (3) worn or loose. Arm (6) binding. Solenoid (M2) defective or not supplied with power. Cartridge defective. |
| Wow or Flutter. | Belt (1) dirty or worn. Capstan dirty or binding. Cartridge defective. Motor defective. Detent (18) weak. |
| Sound weak or distorted. | Head dirty, misaligned, or defective. Cartridge defective. Amplifiers defective. Detent (18) weak. |
| Tape is pulled from cartridge. | Cartridge defective. Capstan dirty or scored. |

MUNTZ/STEREO MODEL M-884

HOWARD W. SAMS & CO., INC. Indianapolis, Indiana 46206

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MECHANICAL PARTS LIST

| REF. NO. | PART NO. | DESCRIPTION | REF. NO. | PART NO. | DESCRIPTION |
|----------|--------------|---------------------|----------|-------------|-----------------------------|
| 1* | 602-0019-00* | Flywheel Belt* | 9 | 631-0089-00 | Height Adjust Nut |
| 2 | 611-0020-01 | Flywheel | 10 | 960-2733-01 | Capstan Bearing Assembly |
| 3 | 960-2734-00 | Head Shifting Cam | 11 | 630-0547-00 | Height Adjust Plate |
| 4 | (1) | Pawl | 12 | 716-0212-01 | Azimuth Spring Screw |
| 5 | 631-0075-01 | Ratchet Gear | 13 | 750-1403-00 | Azimuth Spring |
| 6 | (2) | Head Mounting Arm | 14 | 750-1411-00 | Left Head Arm Guide Spring |
| 7 | 630-0546-00 | Head Clamp | 15 | 750-1410-00 | Right Head Arm Guide Spring |
| 8 | 750-1475-00 | Head Lifting Spring | 16 | 631-0090-00 | Azimuth Fulcrum |
| | | | 17 | 603-0022-00 | Motor Pulley |
| | | | 18 | | Cartridge Detent |

(1) Part of Solenoid (M2)

(2) Part of Cam (3)

* E-V/GAME Replacement #1424-21

* WALSCO Replacement #1424-21

CLEANING

Clean all tape contact surfaces with a soft, lint-free material and head cleaner or methyl alcohol. Use alcohol to remove oil and grease from all driving surfaces.

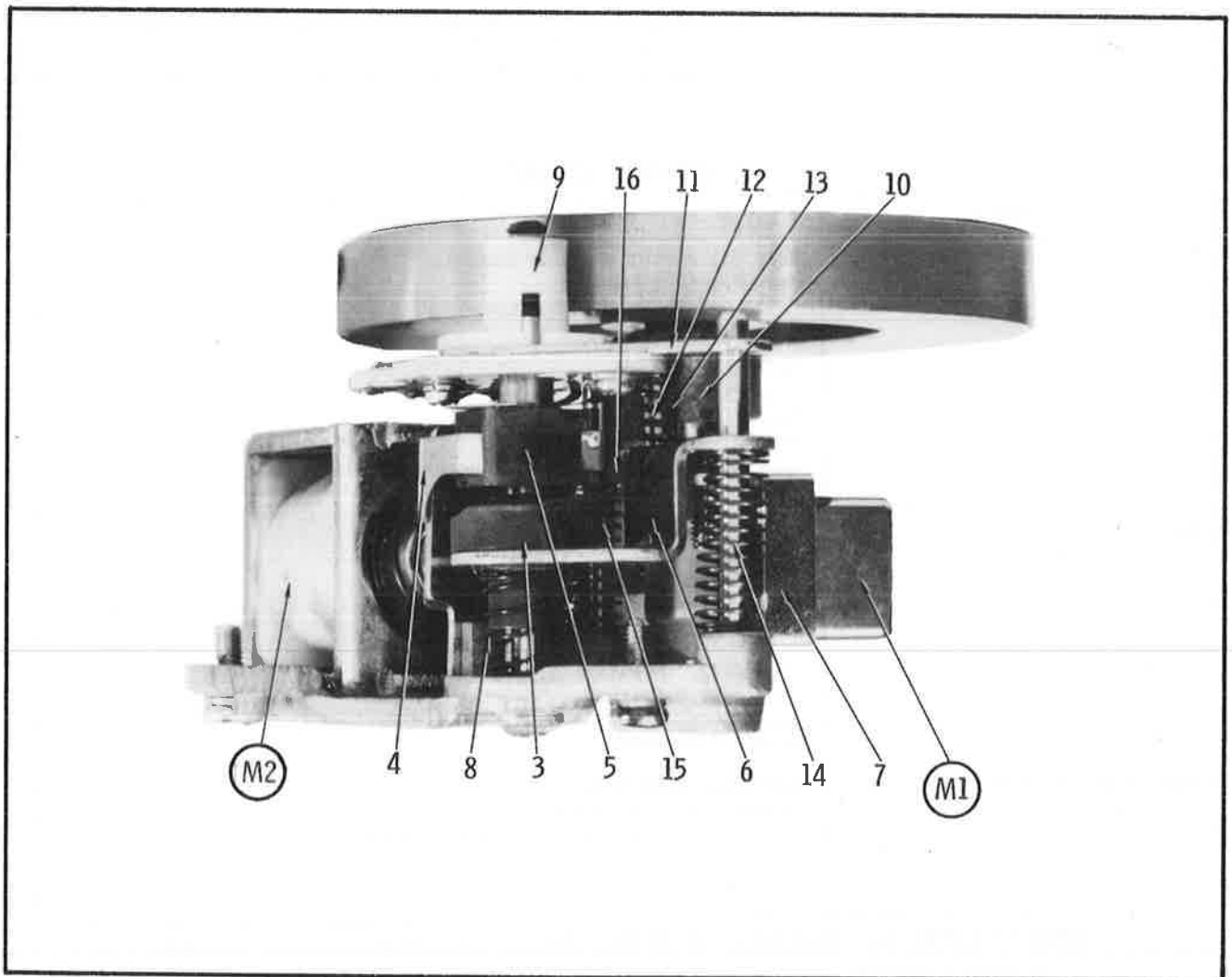
CAUTION: Avoid getting head cleaner on any plastic surface.

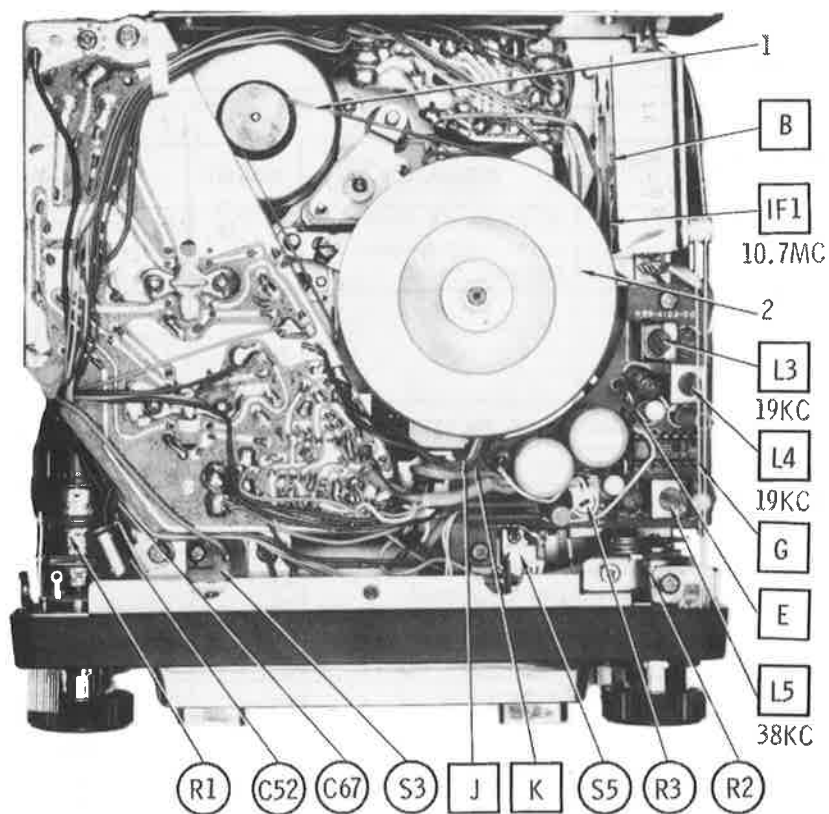
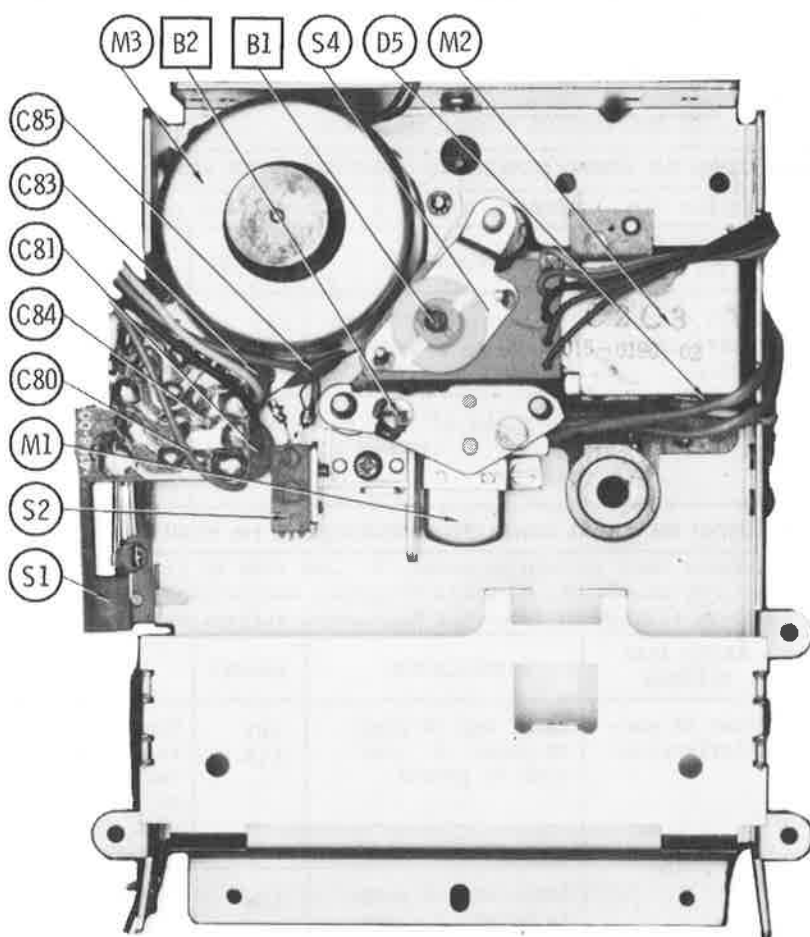
LUBRICATING

Bearings are oil-less type and do not need lubrication. Lubricate bushings lightly with #20 machine oil. Use a light film of nonhardening grease on cam surfaces.

HEAD DEMAGNETIZING

Demagnetize head when unit is serviced. Avoid using magnetic materials near head.





ALIGNMENT INSTRUCTIONS

Check for specified source voltage.
Use only enough generator output
to provide a usable indication.
Suggested Alignment Tools:

ALL:.....GC ELECTRONICS #8290, 8868, 9087

FM IF ALIGNMENT USING AM SIGNAL GENERATOR—SELECTOR IN FM POSITION

High side of generator thru .001mfd to point B ,low side to ground.

| | GENERATOR FREQUENCY | RADIO DIAL SETTING | INDICATOR | ADJUST | REMARKS |
|----|------------------------|-------------------------------|--|-------------|--|
| 1. | 10.7MC Unmodulated | Point of non- interference | DC probe of VTVM to point C ,common to ground. | IF1, L1a | Adjust for maximum. |
| 2. | " | " | DC probe of VTVM to point D ,common to ground. | L1b | Adjust for zero reading. A positive or negative reading will be obtained on either side of the correct setting. |

10.7MC

FIG. 1

FM IF ALIGNMENT USING FM SIGNAL GENERATOR—SELECTOR IN FM POSITION

High side of generator thru .001mfd to point B ,low side to ground. Use only enough
marker signal for indication. Use 60 cycle frequency modulated signal with 450KC sweep.
Use 60 cycle sawtooth voltage in scope for horizontal deflection.

| | GENERATOR FREQUENCY | RADIO DIAL SETTING | INDICATOR | ADJUST | REMARKS |
|----|------------------------|-------------------------------|--|------------|--|
| 1. | 10.7MC 450KC Sweep | Point of non- interference | Vert. amp of scope to point C ,low side to ground. | IF1 L1a | Disconnect stabilizing capacitor C 32. Adjust for maximum gain and symmetry of response similar to Fig.1 with marker as shown. Reconnect C32. |
| 2. | " | " | Vert. amp of scope to point D ,low side to ground. | L1b | Adjust L1b (secondary) to place marker at center of "S" curve similar to Fig. 2. Readjust L1a (primary) for maximum amplitude and straightness of line. |

FM RF ALIGNMENT—SELECTOR IN FM POSITION

Connect generator across antenna terminals with 120-ohm carbon resistor in series with
each lead.

| | GENERATOR FREQUENCY | RADIO DIAL SETTING | INDICATOR | ADJUST | REMARKS |
|----|------------------------|-----------------------|--|---------------------|---|
| 3. | 108MC | High freq. end | DC probe of VTVM to point C ,common to ground. | OT, AT, RT | Adjust for maximum. |
| 4. | 90MC Unmodulated | Tune to signal. | " | OSC, RFC, ANT | Rock tuning and adjust for maximum. Repeat steps 6 and 7 until no further improve- ment can be made. |

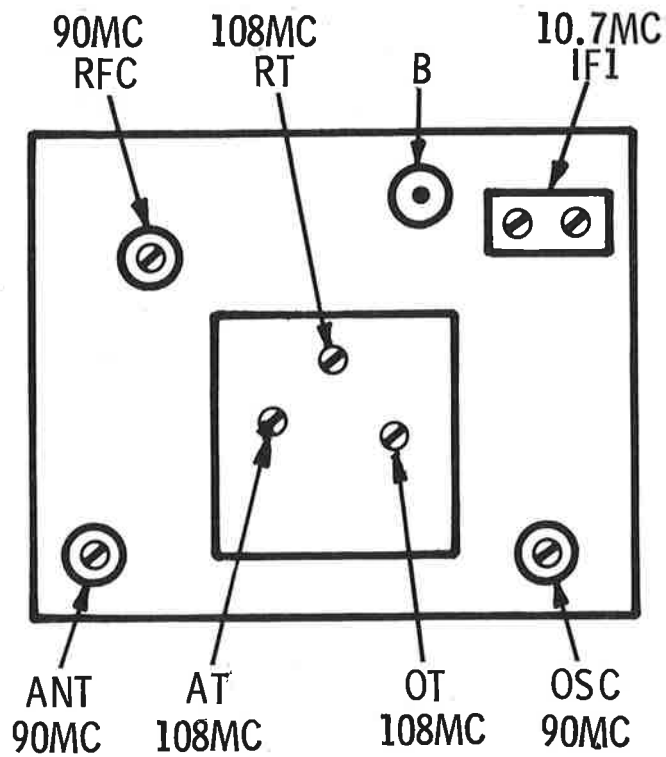
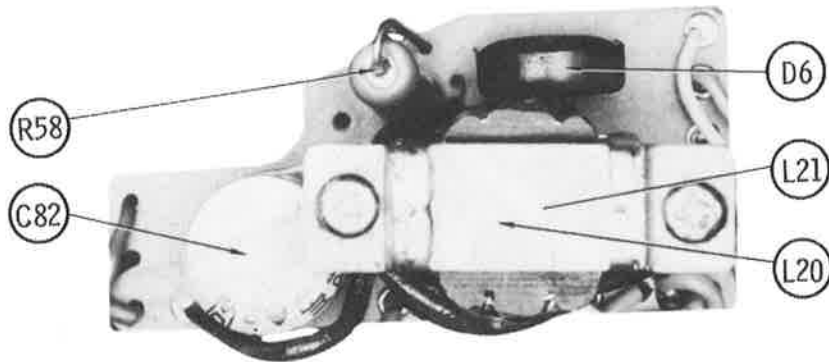
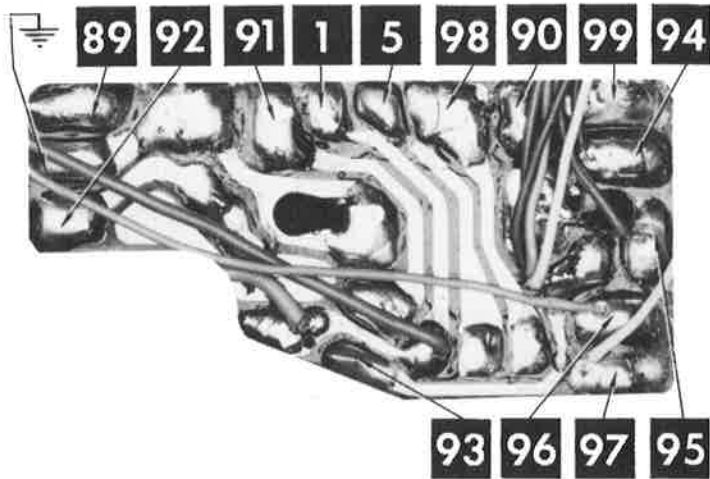
10.7MC

FIG. 2

FM STEREO MULTIPLEX ALIGNMENT USING FM STEREO SIGNAL GENERATOR (± .0001% ACCURACY)

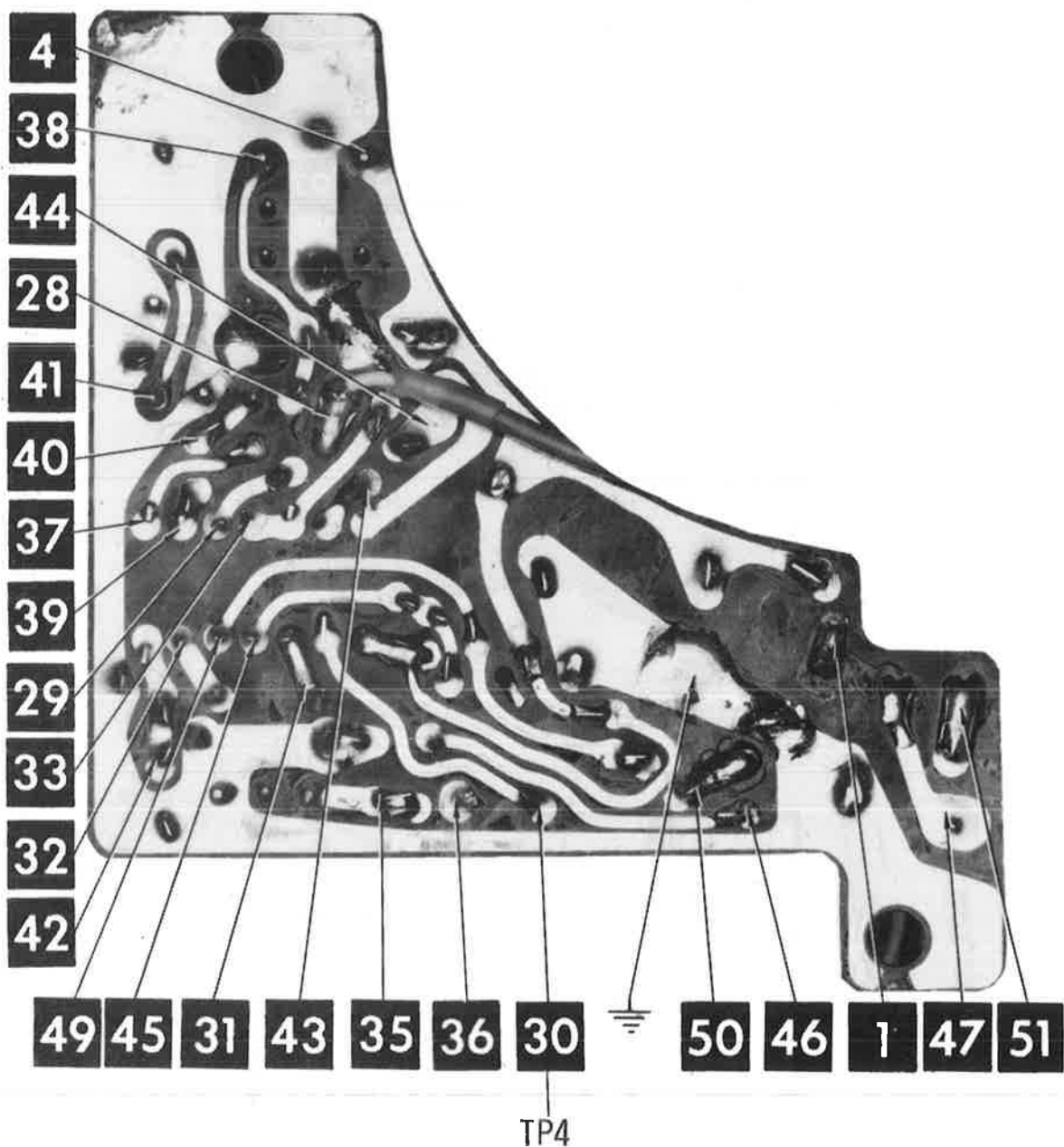
High side of generator thru 47K to point E ,low side to ground.

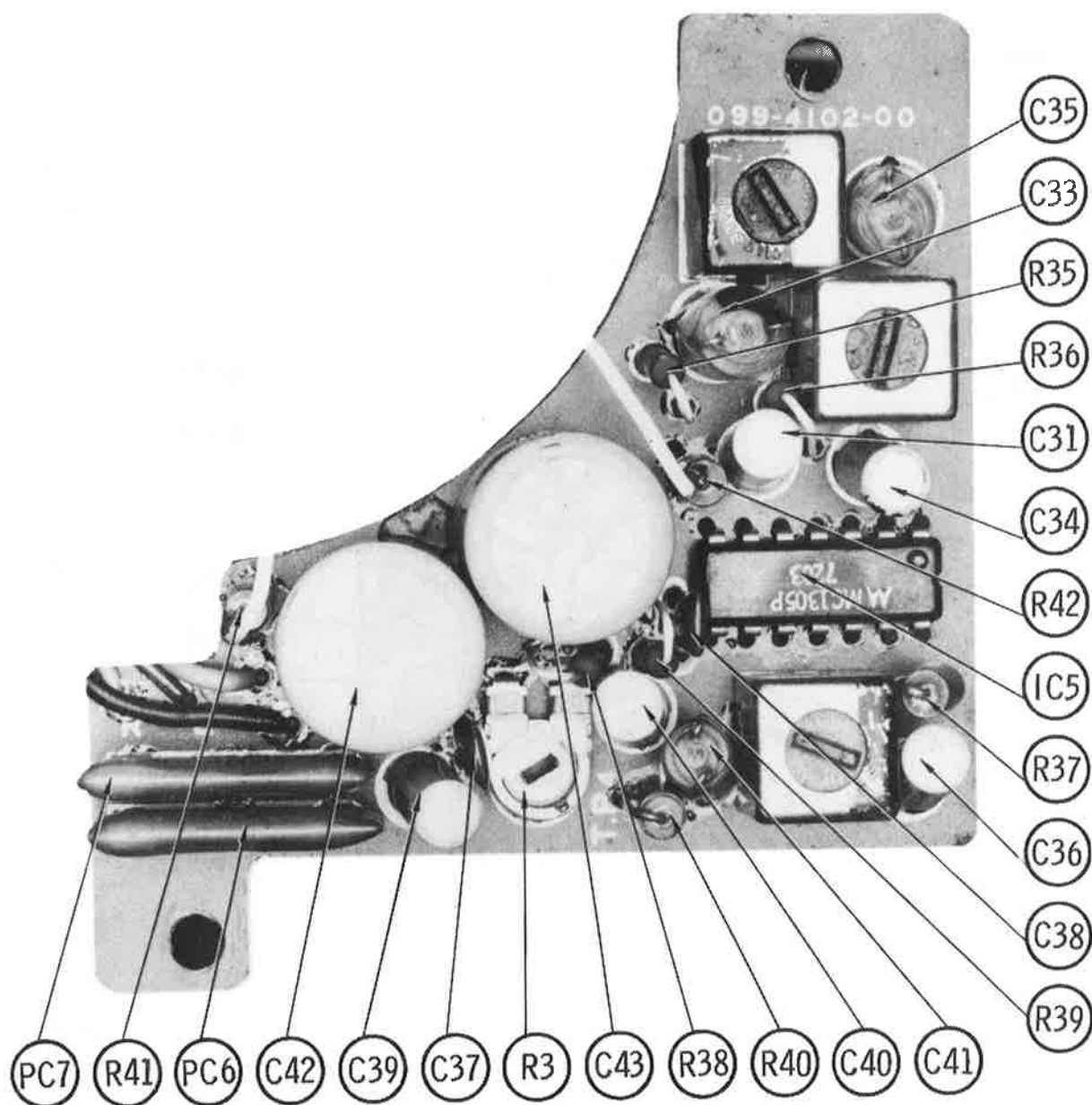
| | GENERATOR FREQUENCY | INDICATOR | ADJUST | REMARKS |
|----|----------------------------|--|-----------|---|
| 5. | 19KC | Vert. amp of scope thru 47K to point G ,low side to ground. | L3 L4 | Adjust for maximum. |
| 6. | " | Vert. amp of scope thru 47K to point G ,low side to ground. | L5 | Adjust for maximum 38KC response. |
| 7. | Modulated Left Channel | Vert. amp of scope to point J , low side to ground. | L5, R3 | Adjust for MINIMUM. This step should require only slight adjustment. |
| 8. | Modulated Right Channel | Vert. amp of scope to point K , low side to ground | | Check for MINIMUM. If necessary make compromise adjustment of L3,L4,L5,R3 |

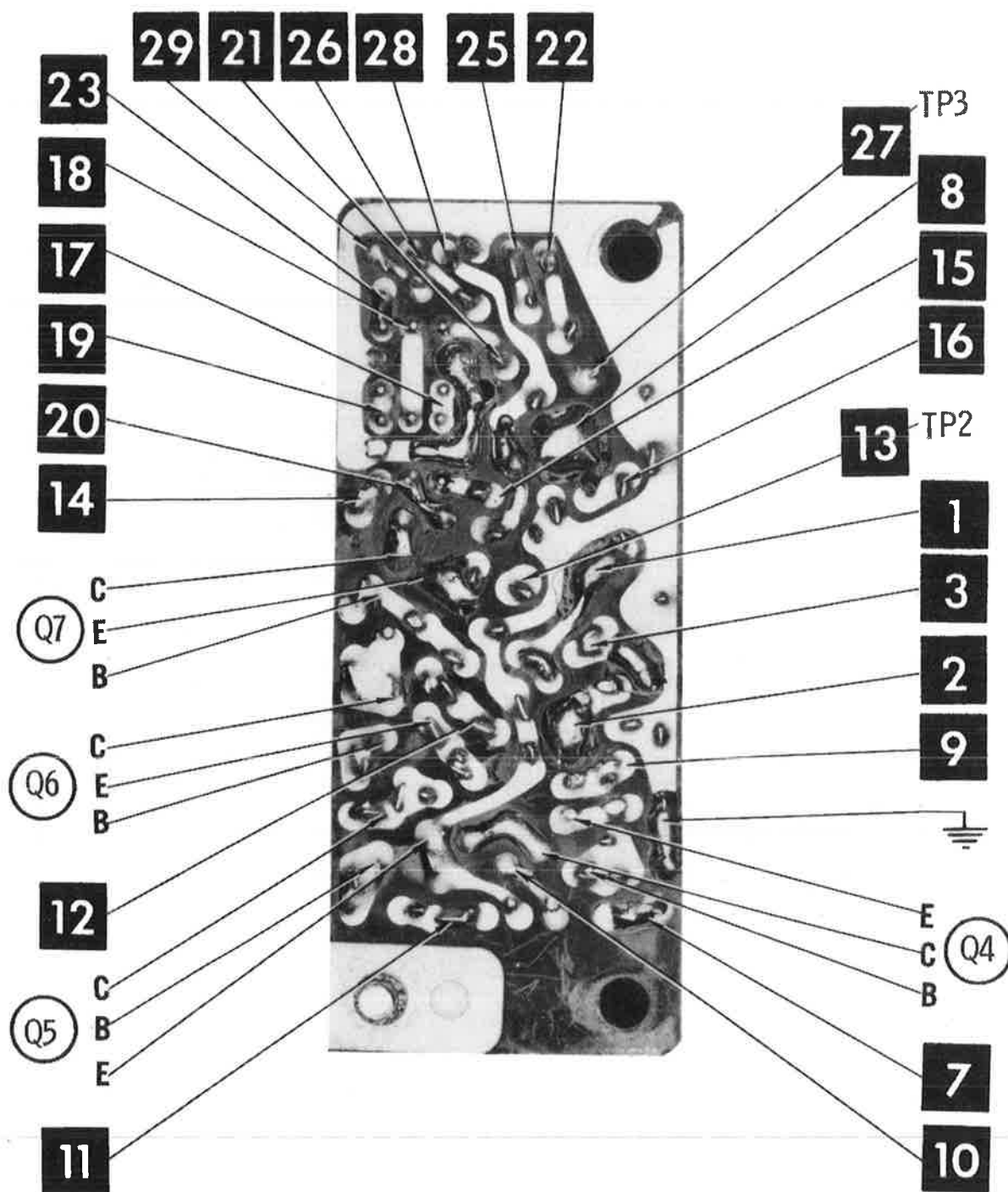


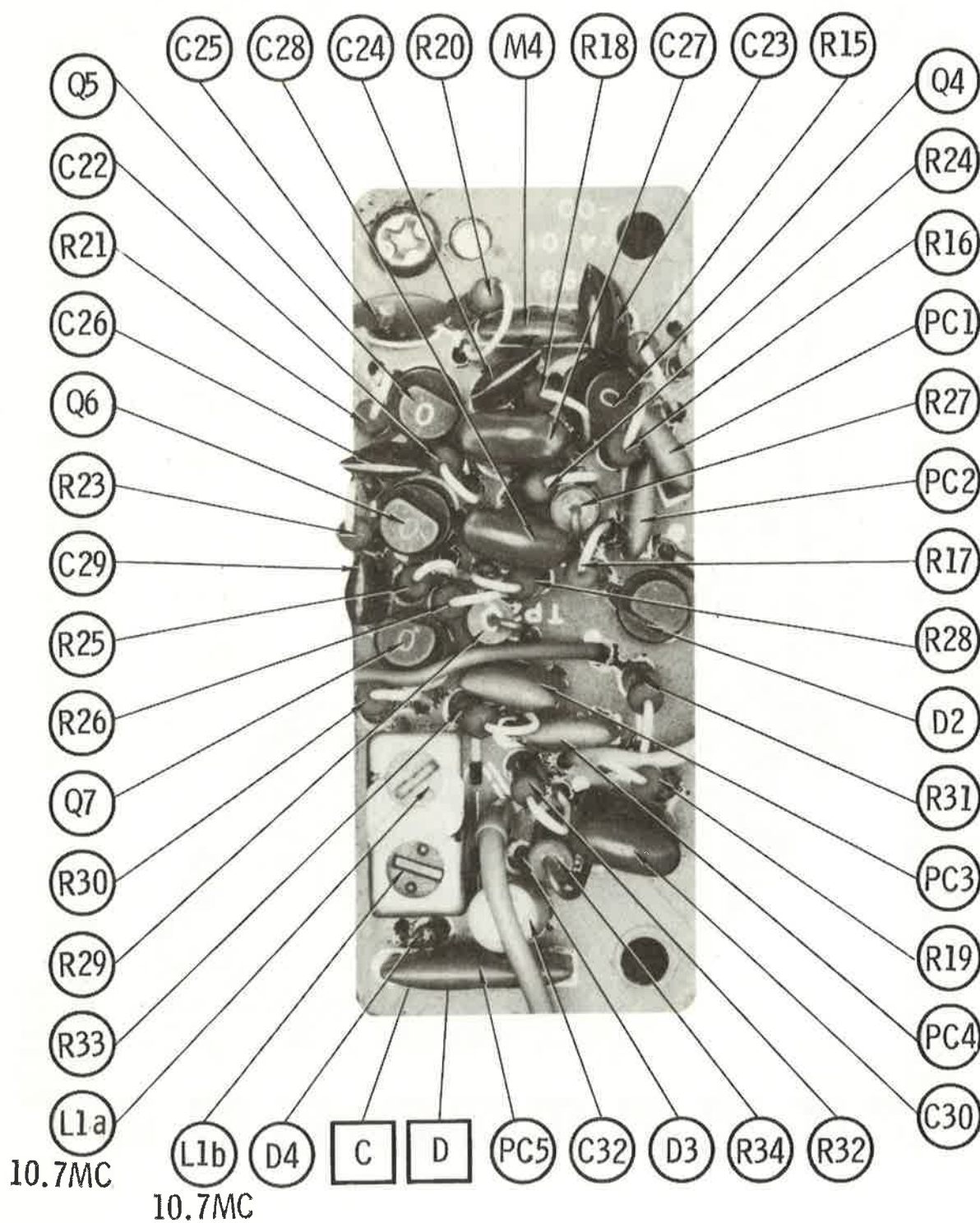
FM TUNER BLOCK

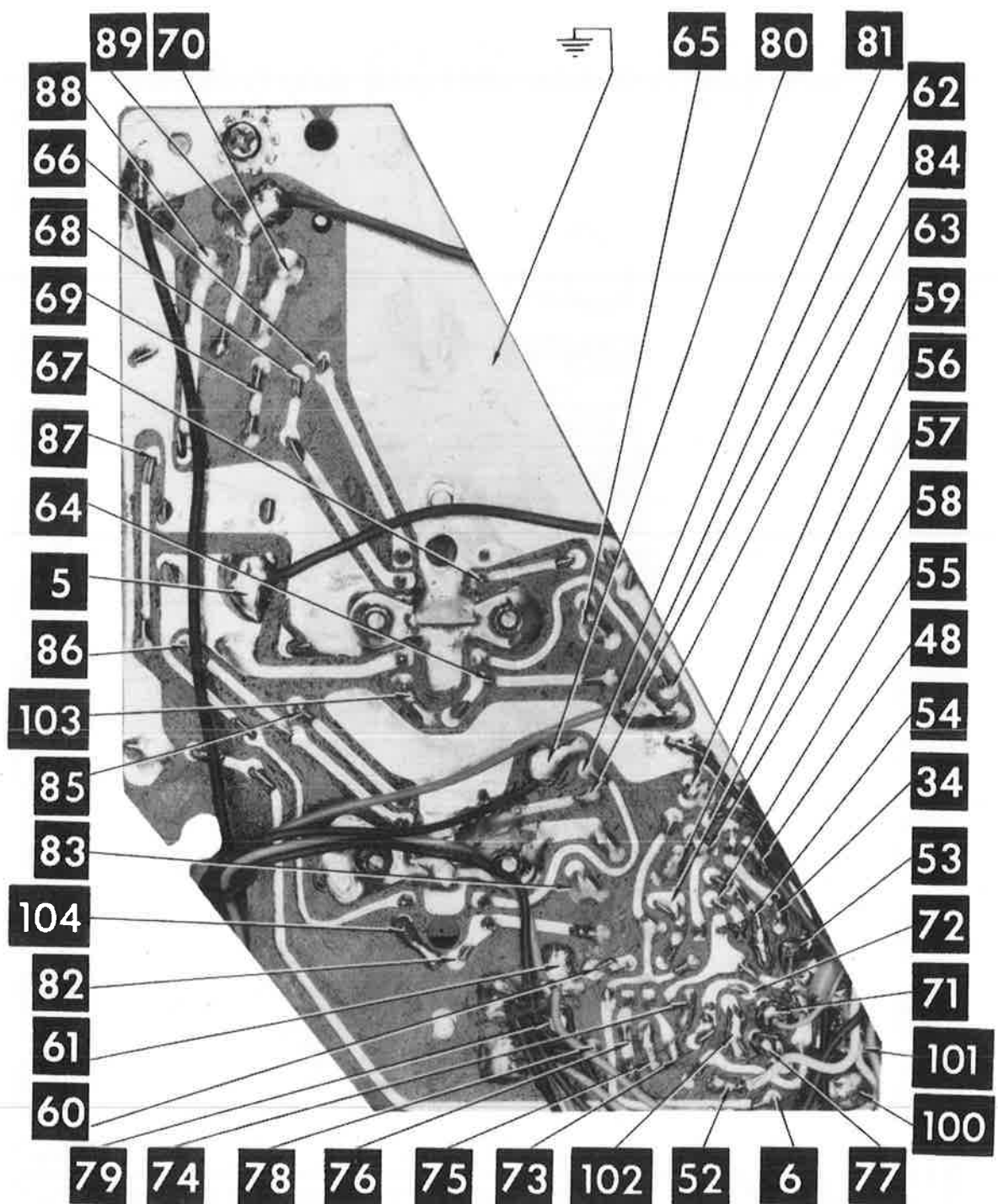
MUNIZ/STEREO MODEL M-884



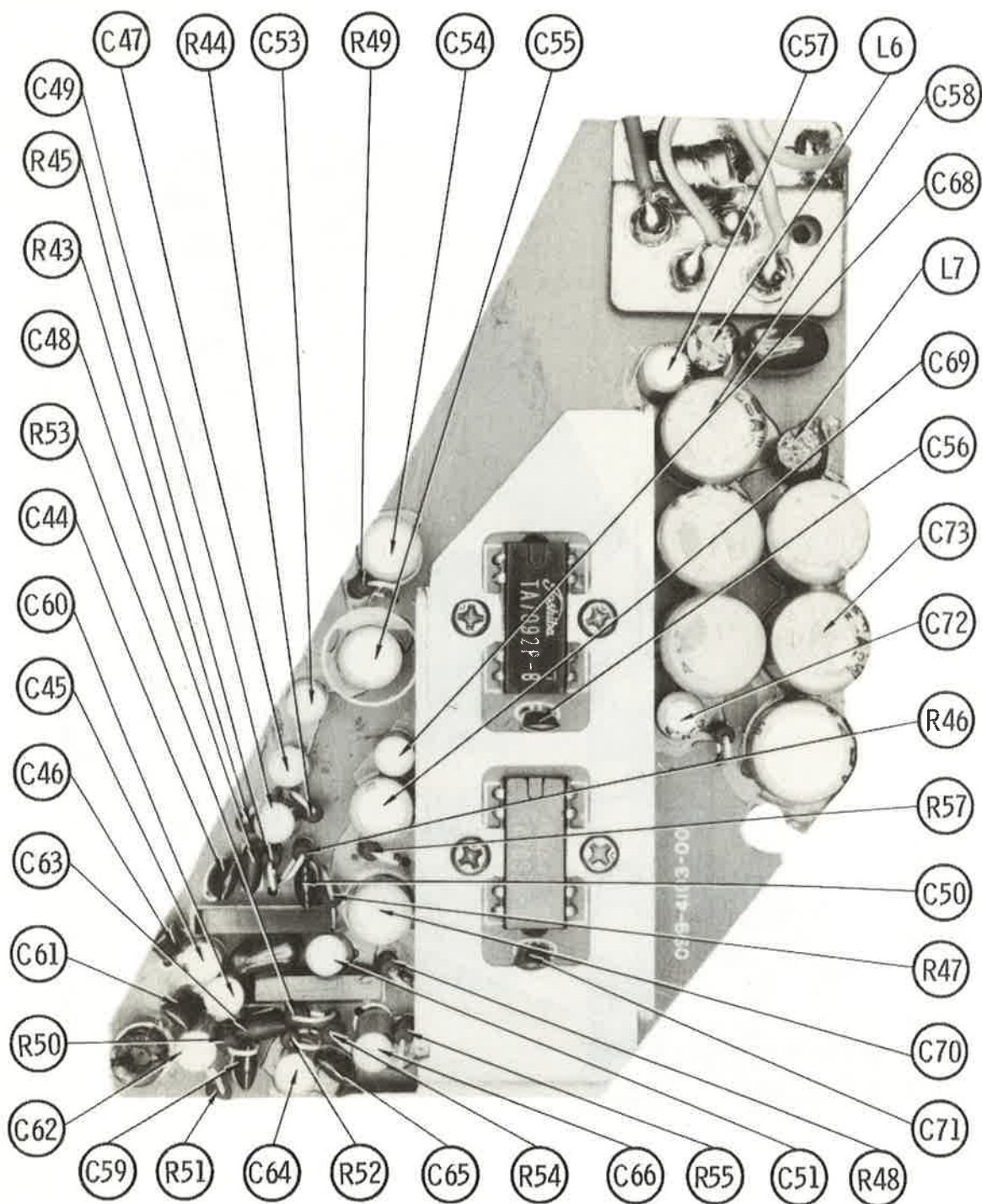


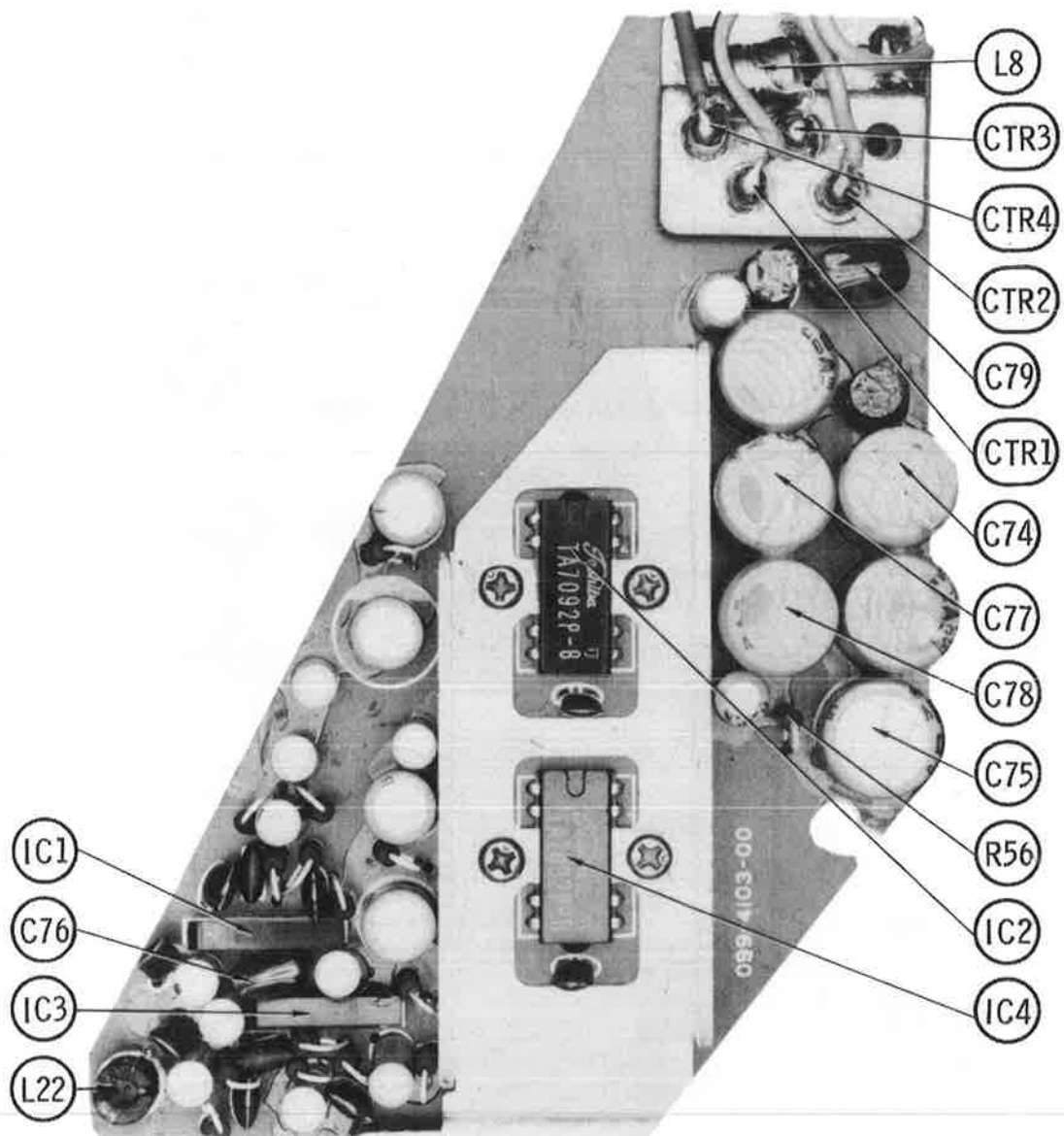


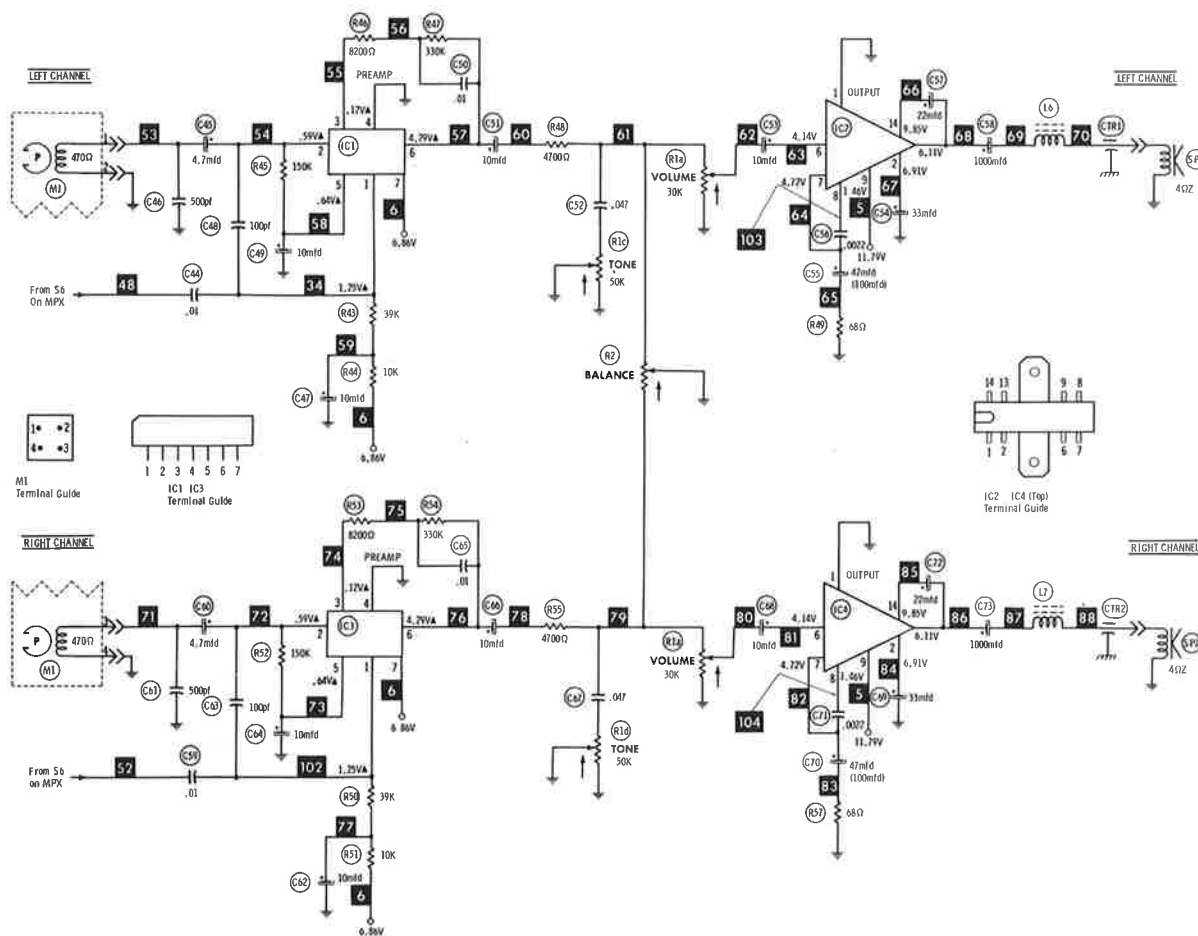




A Howard W. Sams **CIRCUITRACE** Photo







⊥ Denotes ground. (Voltage reference unless otherwise indicated).

Measurements taken with switching in position shown unless otherwise indicated.
 ▲ Measured with switching in "TAPE" position.
 Values shown in () are used in some applications.
 Resistors are 1/2W or less, 10% or 20%, unless otherwise indicated.
 Supply voltage maintained at rated value for measurements.
 Voltage and resistance measured with VTVM or equivalent meter.
 No signal applied and controls adjusted for normal operation.
 Arrow on control indicates direction of advance.
 Numbers assigned to terminals may not be found on the unit.
 Transistor resistances vary widely. No resistance measurements taken.

A PHOTOFACT STANDARD NOTATION SCHEMATIC
 with **CIRCUITRACE**
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MUNTZ/STEREO MODEL M-884

PARTS LIST AND DESCRIPTION

(When ordering parts, state Model, Part Number, and Description.)

Replacement parts shown may be superseded by the availability of newly introduced replacements.
Have your local distributor check Sams COUNTER FACTS® for the most up-to-date replacement.

WIRING DATA

| | |
|---|--|
| General-use Unshielded Hook-up Wire | Use BELDEN No. 8530 (Solid) Available in 12 Colors 8524 (Stranded) Available in 12 Colors |
| Shielded Hook-up Wire | Use BELDEN No. 8885 |
| Rear Seat Speaker Extension Cable | Use BELDEN No. 8782 (Stranded) Coded Parallel Leads |
| Bonding Strap | Use BELDEN No. 8661 (3/8 In.) or 8670 (3/4 In.) |

SEMICONDUCTORS

| ITEM No. | TYPE / MFR. No. / PART No. | REPLACEMENT DATA | | | | | | |
|----------|----------------------------|---------------------------|----------------------------------|------------------------|--------------------------|-------------------------|--------------------------|-------------------|
| | | GENERAL ELECTRIC PART No. | INTERNATIONAL RECTIFIER PART No. | MALLORY PART No. | RCA PART No. | SPRAGUE PART No. | SYLVANIA PART No. | MOTOROLA PART No. |
| D2 | 1S1715/001-0082-00 | 1N60 (7) | Z-1206 | PTC206 (7) | SK3088 (7) | | ECG 5071 | |
| D3 | 1S1555/001-0081-00 | | 1N60 (7) | | | | ECG 110 (6) | |
| D4 | 1S1555/001-0081-00 | | | | | | | |
| D5 | IR20/001-0077-00 | | 8D4 or 5A4D | PTC201 or | SK3030 or | RT213 or | ECG 116 or | ECG 117 |
| D6 | 10DC/001-0072-00 | GE-504A (2) | 8D4 (2) or | PTC201 (2) or 5A4D (2) | SK3030 (2) or PTC202 (2) | RT214 (2) or SK3031 (2) | ECG 116 (2) or RT215 (2) | ECG 117 (2) |
| IC1 | TA7063P-D/051-0011-00 | GEIC-7 | IC512 | PTC713 | SK3122 | TVCM-7 | ECG 108 | HEP595 |
| IC2 | TA7092P-B/051-0010-00 | | | | | | | |
| IC3 | TA7063P-D/051-0011-00 | | | | | | | |
| IC4 | TA7092P-B/051-0010-00 | | | | | | | |
| IC5 | MC1305P/051-0012-00 | | | | | | | |
| Q4 | 2SC380 | GE-20 | TR-21 | PTC123 | SK3122 | RT107 | ECG 108 | HEP53 |
| Q5 | 2SC380 | GE-20 | TR-21 | PTC123 | SK3122 | RT107 | ECG 108 | HEP53 |
| Q6 | 2SC380 | GE-20 | TR-21 | PTC123 | SK3122 | RT107 | ECG 108 | HEP53 |
| Q7 | 2SC380 | GE-20 | TR-21 | PTC123 | SK3122 | RT107 | ECG 108 | HEP53 |

(2) Two required.

(6) Matched Pair.

(7) Two required - select matched pair.

ELECTROLYTIC CAPACITORS

| ITEM No. | RATING | REPLACEMENT DATA | | | | | | |
|----------|----------|------------------|---------------|--------------------|---------------------------|---------------------------|------------------|------------------|
| | | MFR. PART No. | ARCO PART No. | CENTRALAB PART No. | CORNELL-DUBILIER PART No. | GENERAL ELECTRIC PART No. | MALLORY PART No. | SPRAGUE PART No. |
| C31 | 10 10V | 170-1064-22 | RME-A-D-010 | EP15-10 | WBR10-25 | MT1-5 | MTV10CB50 | EV-1222 |
| C32 | 10 10V | 170-1064-22 | RME-A-D-010 | EP15-10 | WBR10-25 | MT1-5 | MTV10CB50 | EV-1222 |
| C34 | 2.2 50V | 170-2254-62 | RME-A-J-002 | EP50-2 | WBR2-50 | MT1-1 | MTV2CB50 | EV-1517 |
| C36 | 10 10V | 170-1064-22 | RME-A-D-010 | EP15-10 | WBR10-25 | MT1-5 | MTV10CB50 | EV-1222 |
| C39 | 10 10V | 170-1064-22 | RME-A-D-010 | EP15-10 | WBR10-25 | MT1-5 | MTV10CB50 | EV-1222 |
| C40 | 10 10V | 170-1064-22 | RME-A-D-010 | EP15-10 | WBR10-25 | MT1-5 | MTV10CB50 | EV-1222 |
| C42 | 300 15V | 042-0070-00 | ME-B-E-250 | EA15-250 | WBR300-35 | QT1-30A | MTA300F15 | EV-1245 |
| C43 | 300 15V | 042-0070-00 | ME-B-E-250 | EA15-250 | WBR300-35 | QT1-30A | MTA300F15 | EV-1245 |
| C45 | 4.7 16V | 170-3364-32 | RME-A-E-005 | EP15-5 | WBR5-50 | MT1-3 | MTV5CB50 | EV-1319 |
| C47 | 10 10V | 170-1064-22 | RME-A-D-010 | EP15-10 | WBR10-25 | MT1-5 | MTV10CB50 | EV-1222 |
| C49 | 10 10V | 170-1064-22 | RME-A-D-010 | EP15-10 | WBR10-25 | MT1-5 | MTV10CB50 | EV-1222 |
| C51 | 10 10V | 170-1064-22 | RME-A-D-010 | EP15-10 | WBR10-25 | MT1-5 | MTV10CB50 | EV-1222 |
| C53 | 10 10V | 170-1064-22 | RME-A-D-010 | EP15-10 | WBR10-25 | MT1-5 | MTV10CB50 | EV-1222 |
| C54 | 33 16V | 170-3364-32 | ME-3-E-035 | EP15-25 | WBR35-50 | MT1-13.5 | MTV30CB25 | EV-1325 |
| C55 | 47 10V | | RME-D-D-050 | EP15-50 | WBR50-25 | MT1-16 | MTV50CB15 | EV-1226 |
| C57 | 22 10V | 170-2264-22 | RME-B-D-025 | EP15-25 | WBR25-25 | MT1-10 | MTV25CB35 | EV-1125 |
| C58 | 1000 10V | 042-0153-00 | RME-M-D-1000 | EA15-1000 | WBR1000-16 | QT1-32 | TC1210A | EV-1160 |
| C60 | 4.7 16V | 170-3364-32 | RME-A-E-005 | EP15-5 | WBR5-50 | MT1-3 | MTV5CB50 | EV-1319 |
| C62 | 10 10V | 170-1064-22 | RME-A-D-010 | EP15-10 | WBR10-25 | MT1-5 | MTV10CB50 | EV-1222 |
| C64 | 10 10V | 170-1064-22 | RME-A-D-010 | EP15-10 | WBR10-25 | MT1-5 | MTV10CB50 | EV-1222 |
| C66 | 10 10V | 170-1064-22 | RME-A-D-010 | EP15-10 | WBR10-25 | MT1-5 | MTV10CB50 | EV-1222 |
| C68 | 10 10V | 170-1064-22 | RME-A-D-010 | EP15-10 | WBR10-25 | MT1-5 | MTV10CB50 | EV-1222 |
| C69 | 33 16V | 170-3364-32 | ME-3-E-035 | EP15-25 | WBR35-50 | MT1-13.5 | MTV30CB25 | EV-1325 |
| C70 | 47 10V | | RME-D-D-050 | EP15-50 | WBR50-25 | MT1-16 | MTV50CB15 | EV-1226 |
| C72 | 22 10V | | RME-B-D-025 | EP15-25 | WBR25-25 | MT1-10 | MTV25CB35 | EV-1125 |
| C73 | 1000 10V | 042-0153-00 | RME-M-D-1000 | EA15-1000 | WBR1000-16 | QT1-32 | TC1210A | EV-1160 |
| C74 | 470 16V | 042-0152-00 | RME-L-E-500 | EA15-500 | WBR500-16 | QT1-30A | MTV500DN15 | EV-1250 |
| C75 | 330 10V | 042-0150-00 | ME-B-E-250 | EA15-250 | WBR300-35 | QT1-30A | MTA300G50 | EV-1245 |
| C77 | 470 16V | 042-0152-00 | RME-L-E-500 | EA15-500 | WBR500-16 | QT1-30A | MTV500DN15 | EV-1250 |
| C78 | 470 16V | 042-0152-00 | RME-L-E-500 | EA15-500 | WBR500-16 | QT1-30A | MTV500DN15 | EV-1250 |
| C82 | 470 16V | 042-0152-00 | RME-L-E-500 | EA15-500 | WBR500-16 | QT1-30A | MTV500DN15 | EV-1250 |

PARTS LIST AND DESCRIPTION (CONTINUED)

(When ordering parts, state Model, Part Number, and Description.)

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CAPACITORS

| ITEM No. | RATING | MFG. PART No. | REPLACEMENT DATA | | | | |
|----------|--------|----------------|----------------------|-------------------|--------------------------|-----------------|-----------------|
| | | | ARCO/ELMENCOPART No. | CENTRALABPART No. | CORNELL-DUBILIERPART No. | MALLORYPART No. | SPRAGUEPART No. |
| C23 | .01 | | CCD-103 | CK-103 | MGP01 | TA110 | TG-S10 |
| C24 | .01 | | CCD-103 | CK-103 | MGP01 | TA110 | TG-S10 |
| C25 | 39 | | | | | CN0439 | 10TCC-Q39 |
| C26 | .01 | | CCD-103 | CK-103 | MGP01 | TA110 | TG-S10 |
| C27 | .047 | | CCD-503 | CK-503 | MGP05 | TA150 | TG-S50 |
| C28 | .047 | | CCD-503 | CK-503 | MGP05 | TA150 | TG-S50 |
| C29 | .01 | | CCD-103 | CK-103 | MGP01 | TA110 | TG-S10 |
| C30 | .047 | | CCD-503 | CK-503 | MGP05 | TA150 | TG-S50 |
| C33 | .0047 | | DM-30-472J | CPR-4700J | CD19FD472J03 | SX247 | 424ME4701J501 |
| C35 | .0047 | 5% | DM-30-472J | CPR-4700J | CD19FD472J03 | SX247 | 424ME4701J501 |
| C37 | .0047 | | CCD-472 | DD-472G | GP4700 | JF247 | 10TS-D47 |
| C38 | .0047 | | CCD-472 | DD-472G | GP4700 | JF247 | 10TS-D47 |
| C41 | .0015 | | DM-20-152J | CPR-1500J | CD19FD152J03 | SX215 | 424ME1501J501 |
| C44 | .01 | | CCD-103 | CK-103 | MGP01 | TA110 | TG-S10 |
| C46 | 500 | | CCD-501 | DM-501 | GP500 | GP350 | 10TS-T50 |
| C48 | 100 | | CCD-101 | DD-101 | GP100 | GP310 | 10TS-T10 |
| C50 | .01 | | CCD-103 | CK-103 | MGP01 | TA110 | TG-S10 |
| C52 | .047 | | CCD-503 | CK-503 | MGP05 | TA150 | TG-S50 |
| C56 | .0022 | | CCD-222 | DD-222 | GP2200 | GP222 | 10TS-D22 |
| C59 | .01 | | CCD-103 | CK-103 | MGP01 | TA110 | TG-S10 |
| C61 | 500 | | CCD-501 | DM-501 | GP500 | GP350 | 10TS-T50 |
| C63 | 100 | | CCD-101 | DD-101 | GP100 | GP310 | 10TS-T10 |
| C65 | .01 | | CCD-103 | CK-103 | MGP01 | TA110 | TG-S10 |
| C67 | .047 | | CCD-503 | CK-503 | MGP05 | TA150 | TG-S50 |
| C71 | .0022 | | CCD-222 | DD-222 | GP2200 | GP222 | 10TS-D22 |
| C76 | .047 | | CCD-503 | CK-503 | MGP05 | TA150 | TG-S50 |
| C79 | .1 | | | CK-104 | | TA010 | TG-P10 |
| C80 | .04 | | | DD-403 | | GP140 | |
| C81 | .04 | | | DD-403 | | GP140 | |
| C83 | .04 | | | DD-403 | | GP140 | |
| C84 | .04 | | | DD-403 | | GP140 | |
| C85 | .04 | | | DD-403 | | GP140 | |
| CTR1 | | 040-0080-01(1) | | | | | |
| CTR2 | | 040-0080-01(1) | | | | | |
| CTR3 | | 040-0080-01(1) | | | | | |
| CTR4 | | 073-0449-01(1) | | | | | |

(1) Part of Filter Assembly, Part #944-0398-00

CONTROLS (All wattages 1/2 watt, or less, unless listed)

| ITEM No. | FUNCTION | RESISTANCE | REPLACEMENT DATA | | | | |
|----------|-----------------------|------------|------------------|-------------------|-------------------|-----------------|-----------------|
| | | | MFG. PART No. | CENTRALABPART No. | CLAROSTATPART No. | CTS-IRCPART No. | MALLORYPART No. |
| R1a | Tone | 50K | 012-3327-00 | | | | |
| b | Volume (Left) | 30K | | | | | |
| c | Volume (Right)/Switch | 30K | | | | | |
| R2 | Balance | 100K | 012-3326-00 | | | | |
| R3 | Separation | 1000 ohms | 012-3286-00 | | | | |

COILS (RF-IF)

| ITEM No. | USE | REPLACEMENT DATA | | | |
|----------|-----------------|------------------|------------------|----------------|-----------------|
| | | PART No. | MEISSNERPART No. | MILLERPART No. | WORKMANPART No. |
| L1 | Ratio Detector | 005-0684-00 | | | |
| L3 | 19KC | 010-1300-01 | | | |
| L4 | 19KC | 010-1300-01 | | | |
| L5 | 38KC | 010-1310-10 | | | |
| L6 | RF Choke (15uh) | 010-1657-00 | | | |
| L7 | RF Choke (15uh) | 010-1657-00 | | | |
| L8 | RF Choke (18uh) | 010-0820-05 (1) | | | |
| L22 | RF Choke (6uh) | 010-0930-00 | | | |

(1) Part of Filter Assembly, Part # 944-0398-00.

FILTER CHOKE

| ITEM No. | RATINGS | | | REPLACEMENT DATA | | | NOTES |
|----------|--------------------|---------|------------------------------|------------------|-----------------|--------------------|-------------|
| | CURRENT (Measured) | DC RES. | INDUCTANCE (0 CURRENT 1000~) | MFG. PART No. | STANCORPART No. | THORDARSONPART No. | |
| L20 | 50ma | .3 | 4mh | 009-0590-00 | | | |
| L21 | 200ma* | 1.3 | 20mh | 009-0590-00 | | | *Tape 180ma |

MUNDTZ/STEREO MODEL M-884

PARTS LIST AND DESCRIPTION (CONTINUED)

(When ordering parts, state Model, Part Number, and Description.)

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SPEAKER

| ITEM No. | TYPE | REPLACEMENT DATA | | NOTES |
|----------|-----------|------------------|---------------|-------|
| | | MFGR. PART No. | QUAM PART No. | |
| SP1 | PM 4 ohms | | | |
| SP2 | PM 4 ohms | | | |

FUSE DEVICES

| FUSE DEVICES | | | | | | | | |
|--------------|--------------------|------------------|--------|---------------|--------|---------------------|--------|------------------|
| ITEM No. | DESCRIPTION | REPLACEMENT DATA | | | | | | |
| | | PART No. | | BUSS PART No. | | LITTELFUSE PART No. | | WORKMAN PART No. |
| | | DEVICE | HOLDER | DEVICE | HOLDER | DEVICE | HOLDER | DEVICE |
| F1 | 3 Amp Quick Acting | 120-0030-00 | | AGC3 | HDJ3 | 312003 | 150145 | |

TAPE HEADS

| ITEM No. | MEASURED | | | MFGR. PART No. | NORTRONICS PART No. | DESCRIPTION |
|----------|------------|------------------------|------------|----------------|---------------------|--|
| | INDUCTANCE | BIAS/ERASE VOLTS (RMS) | BIAS FREQ. | | | |
| M1 | 420mh | | | 011-0213-00 | 5800 (1) | 8-Track Stereo (1) Use original mounting. |

MISCELLANEOUS

| ITEM No. | PART NAME | PART No. | NOTES |
|----------|------------------------------------|-------------|-------------------------------------|
| IC1 | Module, Preamp | 051-0011-00 | (2040 RPM @ 12.38V) |
| IC3 | Module, Preamp | 051-0011-00 | |
| M2 | Solenoid, Head Shift | 015-0190-02 | |
| M3 | Motor | 020-0294-01 | |
| PC1 | Emitter Bias Network | 050-0030-00 | |
| PC2 | Decoupling Network | 050-0040-00 | Actuated by insertion of cartridge. |
| PC3 | Emitter Bias Network | 050-0030-00 | |
| PC4 | Decoupling Network | 050-0040-00 | |
| PC5 | Ratio Detector Filter Network | 050-0010-00 | |
| S1 | Switch, Tape-Radio Power | 013-3090-01 | |
| S2 | Switch, Automatic Program Selector | 960-0360-02 | Contacts PC Board |
| S3 | Switch, Manual Program Selector | | |
| S4 | Switch, Program Indicator | 399-4042-02 | |
| S5 | Switch, Local-Distance | 013-1120-01 | |
| S6 | Switch, Tape-Radio Audio Tuner | 013-2760-01 | |
| | | 941-0072-01 | Actuated by insertion of cartridge. |

CABINETS & CABINET PARTS (When ordering specify model, chassis & color)

| ITEM | PART No. | ITEM | PART No. |
|----------------------|-------------|-----------------|-------------|
| Cabinet, Top | 310-0771-00 | Button, DX | 380-3371-00 |
| Escutcheon Frame | 370-2840-00 | Button, PROGRAM | 380-3370-00 |
| Escutcheon | 370-2841-00 | Cartridge, Door | 320-0182-02 |
| Knob, Volume, Tuning | 380-3335-00 | Dial Pointer | 376-0746-00 |
| Knob, Tone, Balance | 380-3336-00 | | |

DIAL CORD STRINGING

