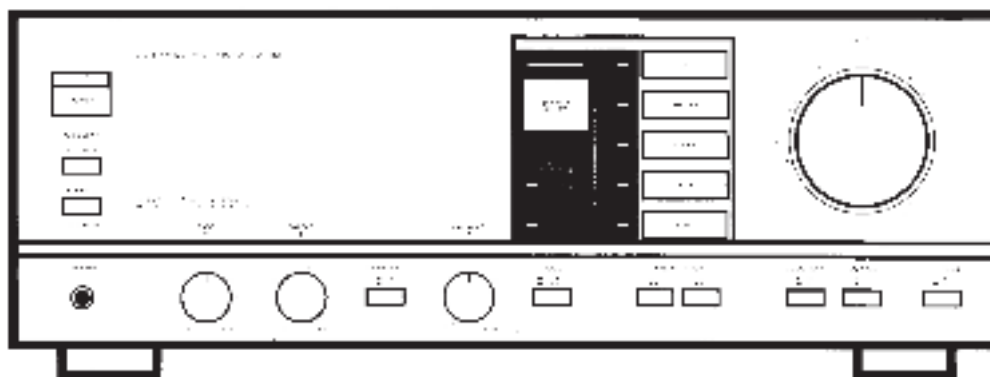


AKAI SERVICE MANUAL



MODEL AM-52

STEREO INTEGRATED AMPLIFIER

MODEL AM-32 MODEL AM-52

I. SPECIFICATIONS

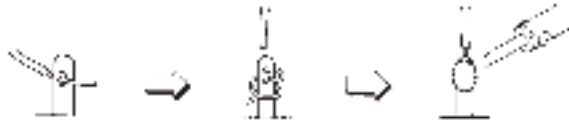
MODEL AM-32		MODEL AM-52	
Power Output	4 ohms 4 ohms	4 ohms 4 ohms	
by FTC			
(20 Hz-20 kHz)	50W/0.05% 50W/0.05%	50W/0.05% 50W/0.05%	
by DIN (1 kHz)	50W/0.05% 50W/0.05%	50W/0.05% 50W/0.05%	
Musical Power	100W 200W	100W 200W	
Power Bandwidth	7 Hz to 50 kHz/0.05%	7 Hz to 50 kHz/0.05%	
Total Harmonic Distortion	0.05% (at Source Direct Model)	0.05% (at Source Direct Model)	
S/N (JHF-A)			
PHONO MM	42dB	41dB	
PHONO MC	57dB	54dB	
CD, Tuner, DAT	57 dB (at Source Direct Model)	59 dB (at Source Direct Model)	
Residual Noise	0.1 mV	0.1 mV	
Cross Talk (10 kHz)	50dB	50dB	
Channel Separation (10 kHz)	50dB	50dB	
Damping Factor (1 kHz, 8 ohms)	50	50	
Required Speaker Impedance			
A or B	4 ohms to 16 ohms	4 ohms to 16 ohms	
A and B	4 ohms to 16 ohms	4 ohms to 16 ohms*	
Input Sensitivity/Impedance			
PHONO MM	2.0 mV/47 kohms	2.0 mV/47 kohms	
PHONO MC	50 mV/10 kohms	50 mV/10 kohms	
CD, Tuner, Tape, DAT	150 mV/10 kohms	150 mV/10 kohms	
Max. Input Level			
PHONO MM	150 mV	150 mV	
PHONO MC	10 mV	10 mV	
Output Level/Impedance			
Tape	150 mV/1 kohms	150 mV/1 kohms	
Frequency Response			
PHONO (Deviation RIAA)	±0.5 dB	±0.5 dB	
CD, Tuner, DAT	7 Hz to 100 kHz (±1 dB)	7 Hz to 100 kHz (±1 dB)	
Tone control			
Bass	±8.5 dB at 100 Hz	±8.5 dB at 100 Hz	
Treble	±9.0 dB at 10 kHz	±9.0 dB at 10 kHz	
Dimensions	495 (W) x 155 (H) x 310 (D) mm	425 (W) x 154 (H) x 310 (D) mm	
Weight	11.7 kg (25.8 lbs)	11.4 kg (25.2 lbs)	

* For improvement purposes, specifications and design are subject change without notice.

★ SAFETY INSTRUCTIONS

PRECAUTIONS DURING SERVICING

1. Parts identified by the **A** symbol parts are critical for safety. Replace only with parts number specified.
2. In addition to safety, other parts and assemblies are specified for conformance with such regulations as those applying to spurious radiation. These must also be replaced only with specified replacements.
Examples: RF converters, tuner units, antenna selector switches, RF cables, noise blocking capacitors, noise blocking filters, etc.
3. Use specified insulating wire. Note especially:
 - 1) Wires covered with PVC tubing
 - 2) Double insulated wires
 - 3) High voltage leads
4. Use specified insulating materials for hazardous live parts. Note especially:
 - 1) Insulation Tape
 - 2) PVC tubing
 - 3) Spacers (Insulating Barriers)
 - 4) Insulation sheets for transistors
 - 5) Plastic screws for fixing microswitch (especially in tuner)
5. When replacing AC primary side components (transformers, power cords, noise blocking capacitors, etc.), wrap ends of wires securely about the terminals before soldering.



6. Observe that wires do not contact heat-producing parts (heatsinks, oxide metal film resistors, fusible resistors, etc.).

7. Check that replaced wires do not contact sharp edges or pointed parts.
8. Also check areas surrounding repaired locations.
9. Use care that foreign objects (screws, solder droplets, etc.) do not remain inside the set.

SAFETY CHECK AFTER SERVICING

Confirm the specified insulation resistance between power cord plug prongs and externally exposed parts of the set is greater than 10 M ohms, but for equipment with external antenna terminals (tuner, receiver, etc.) and is intended for "C" or "A", specified insulation resistance should be headphone jacks line-in-out jacks etc. more than 2.2 M ohms (ground terminals, microphone jacks).

★ INFORMATION

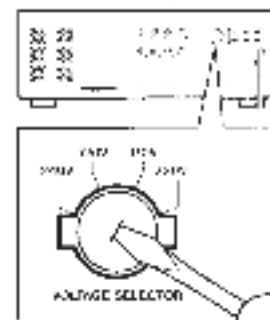
SYMBOLS FOR PRIMARY DESTINATION

Alphabet indicates the destination of the units as listed below.

Symbol	Principal Destination
A	USA
B	UK
C	Canada
F	Europe (except UK)
J	Japan
S	Australia
V	W. Germany only
U	Industrial Area
X	Custom version

VOLTAGE CONVERSION (U Mod. # only)

Before connecting the power cord, SET the **VOLTAGE SELECTOR** located on the rear panel with a screwdriver so that the correct voltage is indicated.



I. DISASSEMBLY

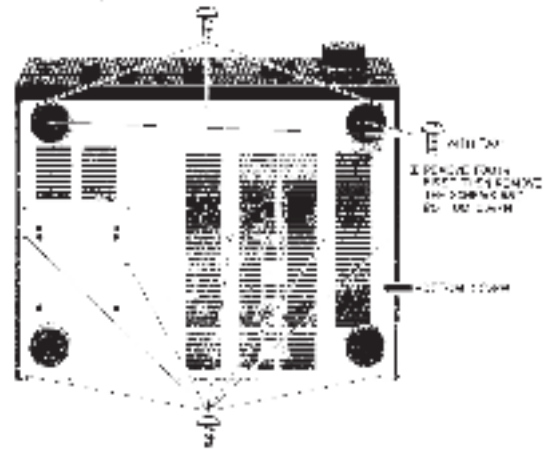
In case of trouble, etc., necessitating dismantling, please dismantle in the order shown in the photographs.
Reassemble in reverse order.

* Photographs employed here are of model AM-M32

1. REMOVAL OF UPPER COVER



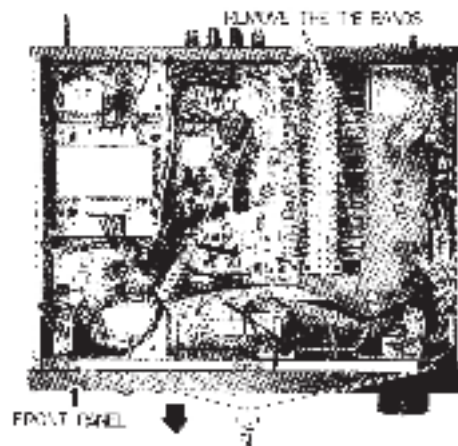
3. REMOVAL OF BOTTOM COVER



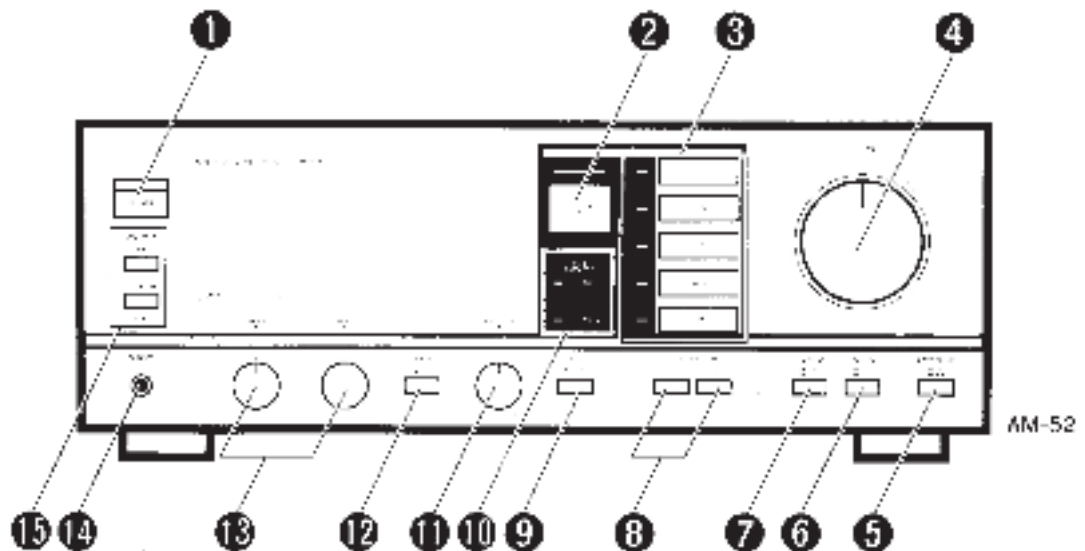
2.



4. REMOVAL OF FRONT PANEL



II. CONTROLS



- 1 POWER switch and Indicator**
To turn on and off the amplifier. The indicator will light when the power is turned on.
- 2 SOURCE DIRECT switch and Indicator**
For clearer, low distortion playback of a compact disc, record, radio or DAT tape. The indicator will light when the switch is turned on. When the switch is turned on, the BASS and TREBLE tone controls and the BALANCE control are ineffective.
- 3 Input Select buttons (CD, PHONO, TUNER, AUX and DAT) and Indicators**
For selection of a playback source. The indicator of the button you choose will light up when depressed.
- 4 VOLUME control**
To increase or decrease playback volume level.
- 5 CARTRIDGE switch (— MC/ — MM)**
Adjust according to the type of cartridge you are using.
- 6 MUTING switch**
To reduce volume instantly during playback without using the VOLUME control.
- 7 LOUDNESS switch**
For instant compensation of tone setting at low volume level.
- 8 TAPE MONITOR switch (AM-52 only: TAPE 1/TAPE 2)**
For cassette tape playback or monitoring during recording operation.
- 9 MODE switch (AM-52 only: — MONO/ — STEREO)**
To select the playback mode. Normally set this switch to — STEREO.
- 10 TAPE MONITOR indicator (AM-52 only: TAPE 1/TAPE 2)**
Tells you the TAPE MONITOR switch is engaged.
- 11 BALANCE control**
To adjust the left and right channel balance.
- 12 SUBSONIC switch (— ON/ — OFF)**
To reduce unwanted ultra low frequency disturbance (less than 15 Hz) such as rumble during record playback.
- 13 BASS and TREBLE Tone Controls**
To adjust the high tone (treble) and low tone (BASS) levels.
- 14 PHONES jack**
For headphone listening.
- 15 SPEAKER switch (SYSTEM A/SYSTEM B, — ON/ — OFF)**
To select the speaker system.

Protection circuit

When the Akai amplifier is turned on, no signal will be output to the speakers for several seconds. This is due to the protection circuit which prevents output of noise when the Akai amplifier is turned on.

The protection circuit also functions during playback to protect the speakers from overloading, and to protect the circuit from damages. When speakers with less than rated impedance are used, the protection circuit will short-circuit the + and — speaker cords. Therefore, should the sound be cut during playback:

- 1 Turn off the Akai amplifier.
- 2 Check for and correct the cause.
- 3 Turn on the Akai amplifier.

III. PRINCIPAL PARTS LOCATION

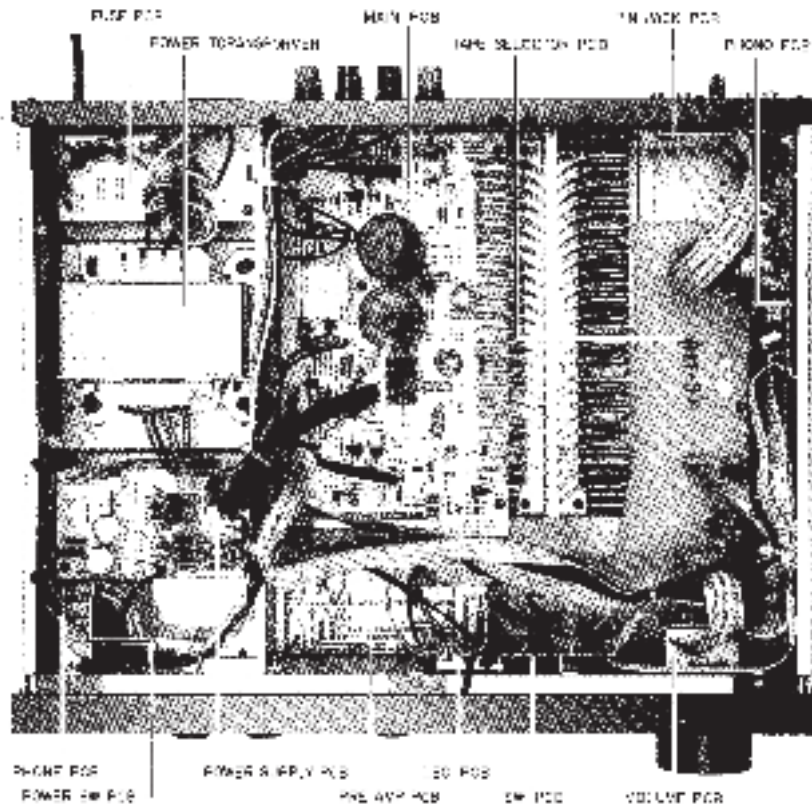


Fig. 3-1

IV. ADJUSTMENT

4-1. IDLING CURRENT ADJUSTMENT

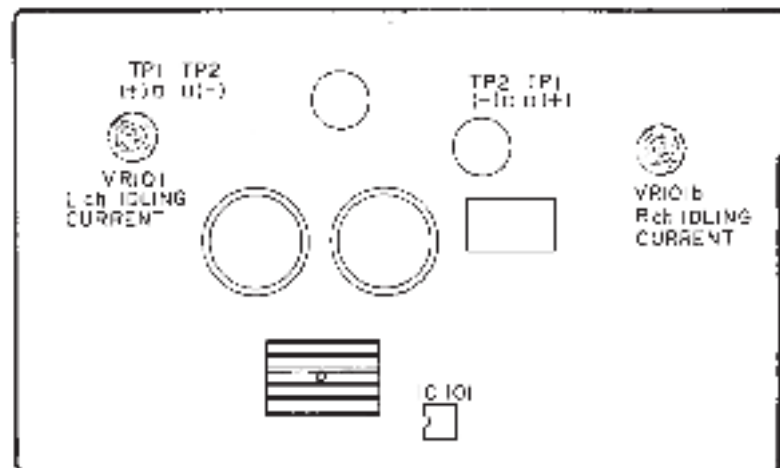


Fig. 4-1 MAIN PCB adjustment points

NOTE: This adjustment should be made after 20 minutes passed from turned on the power.

- 1) Connect a digital DC Voltmeter between TP1 (+) and TP2 (-).
- 2) Adjust VR101 (L ch) or VR102 (R ch) so that the reading on the digital DC Voltmeter is 20 mV.

V. PARTS LIST

ATTENTION

1. When placing an order for parts, be sure to list Part No., Model No. and the description of each part. Otherwise, the non-delivery of the part or the delivery of a wrong part may result.
2. Please make sure that Part No. is correct when ordering.
If not, a part different from the one you ordered may be delivered.
3. Since the parts shown in Parts List of Post-Binary Service Manual may have been the subject of changes, please use this Parts List for all future reference.

HOW TO USE THIS PARTS LIST

1. This Parts List lists those parts which are considered necessary for repairs. Other common parts, such as resistors and capacitors, are listed in the "Common List for Service Parts" from which these parts should be selected and stocked.
2. The Recommended Spare Parts List shows those parts in the Parts List which are considered particularly important for service.
3. Parts not shown in the Parts List and "Common List for Service Parts" will not in principle be supplied.
4. How to read the Parts List.

a) Mechanism Block

b) PC Board

2. HEAD BASE BLOCK

REF. NO.	PART NO.	DESCRIPTION
2-1x	BHT2023A320A	HEAD BASE BLOCK
2-2	HP-H23064011A	HEAD R/P P104-SFU C
2-3	ZS-477876	PAN20x035TL CMT
2-4	ZS-436484	M1120S085TL CMT
2-5	ZG-192895	SPCB ANGLE ADJ. ST

SP (Service Parts) Classification

A small "x" indicates that this part is not shown in the Photo or Illustration.

This number corresponds with the individual parts index number in that figure.

This number corresponds with the Figure Number.

6. MAIN PC BOARD

REF. NO.	PART NO.	DESCRIPTION
6-101	ET-324736	IC HD10049BP
6-102	ET-336801	IC M8s841-564M
6-101A	EC-008599	C MMY V 220V 250AC [U, X, U.S.]
6-101B	EC-350149	C MMY V 220V 250DC [J]
6-101C	EC-008597	C MMY V 220V 250AC [C, A]
6-101x	ET-318354	OSC XTAL NC 180

Symbols for primary destination—

[A]: AAL(U.S.A.) (S): SAA(Australia)
 [B]: BTAB(England) [U]: UUY(Universal Area)
 [C]: CSA(Canada) [V]: VDE(W. Germany)
 [E]: CEE(Europe) [Y]: Custom V75.00
 [J]: JPM(Japan)

SP (Service Parts) Classification

These reference symbols correspond with component symbols in the Schematic Diagrams.

The available PC Board Blocks are listed separately.

5. When Part No. is known, Parts Index at end of Parts List can be used to locate where that part is shown in Parts List by its Reference No. listed at right of Part No.

WARNING

⚠ (x) INDICATES SAFETY CRITICAL COMPONENTS. FOR CONTENDED SAFETY, REPLACE SAFETY CRITICAL COMPONENTS ONLY WITH MANUFACTURER'S RECOMMENDED PARTS.

AVERTISSEMENT

⚠ (x) IL INDIQUE LES COMPOSANTS CRITIQUES DE SÉCURITÉ. POUR MAINTENIR LE DEGRÉ DE SÉCURITÉ DE L'APPAREIL, NE REMPLACER QUE DES PIÈCES RECOMMANDÉES PAR LE FABRICANT.

MODEL AM-32

1. RECOMMENDED SPARE PARTS

Ref. No.	Part No.	Description
1	43T-373304	TRANS 10W 42000-B (B)
2	43T-373351	TRANS 10W 42000-EV (E.V)
3	43T-373359	TRANS 10W 42000-L (L)
4	ED-355424	D LED 366265 GREEN (100%)
5	ED-366264	D LED S.P 1648 RED (TAFF)
6	ED-366100	D LED S.P 3840 21 GREEN (D)
7	ED-366265	D SLICCN DS4120 200 - 1.0A
8	ED-366748	D SLICCN DS4000-K15 200 - 1.0A
9	ED-366950	D SLICCN H08448
10	ED-366911	D SLICCN H08448
11	ED-366942	D ZENER H-4220L 2 F10
12	ED-366958	D ZENER H-4220L 2 F10
13	ED-366973	D ZENER H-4220L 2 F10
14	ED-366915	FUSE DET 1 250V 2.00A (B)
5	ED-366914	FUSE DET 1 250V 2.00A (B)
16	ED-366925	FUSE S.M 1 250V 2.00A (E.V)
17	ED-366945	FUSE S.M 1 250V 2.00A (E.V)
18	ED-366952	FUSE T&A 250V 3.15A (L)
19	ED-366474	C 4410002
20	ED-366516	C ME218P
21	ED-366474	C ME218P 21
22	ED-366588	C ME238P
23	ED-366405	TERMINAL W/ SCREW ANB 024 4448P (S.P) 161448P
24	ED-366806	TERMINAL W/ SCREW 44031 01328P (V) SPEAKER
25	ED-366718	41 0V PIN 642 2282P 280 24V
26	ED-366922	R CT W R22 - R22 15W
27	ED-366958	TP 2810001 0000
28	ED-366956	SW FLSH ESB 68024 04 2 H
29	ED-366955	SW FLSH ESB-68028 5 THROW K
30	ED-366910	SW FLSH SDB 1 01 1 (POWER)
31	ED-366942	SW FLSH SPUL 21 65 2 04-02N (TAPE MONITOR)
32	ED-366951	SW FLSH SPUL 19 15 2 04-02N (SUBSONIC)
33	ED-366953	SW FLSH SPUL 19 15 2 04-02N (MULTIPLY)
34	ED-366954	SW FLSH SPUL 19 15 2 04-02S (MULTIPLY)
35	ED-366476	SW FLSH SPUL 2301 94 2 THROW (SPEAKER 2 X 6)
36	ED-366970	SW SELECTOR YKS11-0002 024 (TAPES TAPE SELECTOR)
37	ED-366926	TR 25A1248 S.T
38	ED-366927	TR 25A1400 P.Y
39	ED-366930	TR 25A900 S.SL
40	ED-366935	TR 25C2540 OF.SL
41	ED-366918	TR 25A2251 P.Y
42	ED-366938	TR 25C250 0 S.T
43	ED-366935	TR 25A3118 S.T
44	ED-366929	TR 25C3824 P.Y
45	ED-366911	TR 25C1752 T.T
46	ED-366936	VR B16017A 10K W/ EARTH LOG (VOLUME)
47	ED-366461	VR ROTARY BND425 100KX2 (BASS)
48	ED-366462	VR ROTARY BND425 100KX2 (TREBLE)
49	ED-366463	VR ROTARY BND425 100K (BALANCE)

2. P.C BOARD BLOCK

Ref. No.	Part No.	Description
1A	BA-42022A020F	PC BOARD MAIN AMP BLK 4K-3211 (L)
1B	BA-42022A020G	PC BOARD MAIN AMP BLK 4K-3211 (B.E)
1C	BA-42022A020H	PC BOARD MAIN AMP BLK 4K-3211 (V)
2A	BA-42022A030C	PC BOARD PRE AMP BLK AM-3211 (H.L.L)
2B	BA-42022A030D	PC BOARD PRE AMP BLK AM-3211 (V)

PC BOARD MAIN AMP BLK CONSISTS OF FOLLOWING P.C BOARD

- * MAIN AMP P.C BOARD
- * POWER SUPPLY P.C BOARD
- * PIN JACK P.C BOARD
- * LED P.C BOARD
- * PHONE P.C BOARD
- * FUSE P.C BOARD
- * VOLUME P.C BOARD
- * POWER SW P.C BOARD
- * SOURCE DIRECT LED P.C BOARD
- * POWER LED P.C BOARD

PC BOARD PRE-AMP BLK CONSISTS OF FOLLOWING P.C BOARD

- * PRE-AMP P.C BOARD
- * TAPE SELECTOR P.C BOARD
- * PHONE AMP P.C BOARD
- * SWITCH P.C BOARD

3. MAIN P.C BOARD

Ref. No.	Part No.	Description
0108	ED-366912	C EC V PCB NP SW 382M 3000
0109	ED-366948	C EC V PCB NP SW 182M 500V
0110	ED-366949	C EC V PCB NP SW 182M 500C
0120	ED-366958	C EC V CLT 582M 5000C
0121	ED-366958	C EC V CLT 182M 5000C
0122	ED-366953	C MMV V C/T CP031 475K 10000
0102	ED-366911	D SLICCN H08448
0103	ED-366911	D SLICCN H08448
0104	ED-366911	D SLICCN H08448
0105	ED-366911	D SLICCN H08448
0106	ED-366911	D SLICCN H08448
0107	ED-366911	D SLICCN H08448
0108	ED-366950	D SLICCN H08448
0109	ED-366911	D SLICCN H08448
0111	ED-366748	D SLICCN DS4000-K15 200 - 1.0A
0112	ED-366912	D LED 366265 GREEN
0113	ED-366958	D ZENER H-4220L 2 F10
0114	ED-366958	D ZENER H-4220L 2 F10
0101	ED-366516	C ME218P
0102	ED-366474	C ME238P
0101	ED-366216	COIL PK 2 1034K 008A 2R/R
R10	ED-366950	R CT W R22 - R22 15W
R10V	ED-366910	R CS H 510 FS FDS 1/4W 100J
R10E	ED-366910	R CS H 510 FS FDS 1/4W 100J
R11E	ED-366910	R CS H 510 FS FDS 1/4W 100J
R11C	ED-366910	R CS H 510 FS FDS 1/4W 100J
R12C	ED-366910	R CS H 510 FS FDS 1/4W 100J
R12V	ED-366910	R CS H 510 FS FDS 1/4W 100J
R127	ED-366910	R CS H 510 FS FDS 1/4W 100J
R128	ED-366910	R CS H 510 FS FDS 1/4W 100J
R129	ED-366910	R CS H 510 FS FDS 1/4W 100J
R144	ED-366910	R CS H 510 FS FDS 1/4W 100J
R157	ED-366910	R CS H 510 FS FDS 1/4W 100J
R157	ED-366910	R CS H 510 FS FDS 1/4W 100J

Ref. No.	Part No.	Description
R159	FR-318460	2 OHMS 10 FS RDS 1/4W 600J
TR101	ET-335173	TR 25C2281 S.T
TR102	FR-333358	TR 25C2381 GRBL
TR103	ET-370035	TR 25C2310 S.T
TR104	ET-305483	TR 25A970 GRBL
TR105	ET-305463	TR 25A970 GRBL
TR106	ET-370035	TR 25C2310 S.T
TR107	4ET-345623	TR 25C2113 S.T
TR110	4ET-345623	TR 25A1248 S.T
TR111	ET-307191	TR 25C2240 GRBL
TR112	ET-305483	TR 25A970 GRBL
TR113	ET-305483	TR 25A970 GRBL
TR114	ET-305463	TR 25A970 GRBL
VR101	FV-300359	V-SWITCH 100K 100 15W 222

4. POWER SUPPLY P.C BOARD

Ref. No.	Part No.	Description
C101	EC-201635	0.001V OUT 451 331M 5000C
C102	FR-201633	0.001V OUT 451 331M 5000C
C108	EC-220683	0.001V OUT 451 331M 5000C
C113	FR-201633	0.001V OUT 451 331M 5000C
C111	EC-201637	0.001V OUT 451 331M 5000C
D101	ED-301911	0.001V OUT 451 331M 5000C
D102	ED-301911	0.001V OUT 451 331M 5000C
D103	ED-301911	0.001V OUT 451 331M 5000C
D104	ED-301911	0.001V OUT 451 331M 5000C
D105	ED-301911	0.001V OUT 451 331M 5000C
D106	ED-301911	0.001V OUT 451 331M 5000C
D107	4ED-301911	0.001V OUT 451 331M 5000C
F106	FR-372988	F 0.001V OUT 451 331M 5000C
F110	4FR-324490	F 0.001V OUT 451 331M 5000C
F111	4FR-324490	F 0.001V OUT 451 331M 5000C
F112	FR-333372	F 0.001V OUT 451 331M 5000C
F113	FR-333372	F 0.001V OUT 451 331M 5000C
F114	FR-333372	F 0.001V OUT 451 331M 5000C
TR101	4ET-345623	TR 25C2113 S.T
TR102	4ET-345623	TR 25A1248 S.T
TR103	4ET-345623	TR 25C2113 S.T
F34	4FR-301342	FUSE 300V 250V 330MA
F38	4FR-301342	FUSE 300V 250V 330MA
F44	4FR-301342	FUSE 300V 250V 330MA
F48	4FR-301342	FUSE 300V 250V 330MA

5. PIN JACK P.C BOARD

Ref. No.	Part No.	Description
J101	EJ-373338	PIN J 15785 AABA 4P (100K 100K 100K)
J103	EJ-373338	PIN J 15785 AABA 4P (100K 100K 100K)

6. LED P.C BOARD

Ref. No.	Part No.	Description
D101	ED-301911	0.001V OUT 451 331M 5000C
D102	FR-301911	0.001V OUT 451 331M 5000C
D103	FR-301911	0.001V OUT 451 331M 5000C
D104	ED-301911	0.001V OUT 451 331M 5000C
D105	ED-301911	0.001V OUT 451 331M 5000C
D106	ED-373354	0.001V OUT 451 331M 5000C

7. PHONE P.C BOARD

Ref. No.	Part No.	Description
J101	FR-301911	PHONE JACK 100K 100K 100K
R101	FR-301911	PHONE JACK 100K 100K 100K
SW101	ES-343472	SW PUSH 500LB 0.1 15W 222

8. FUSE P.C BOARD

Ref. No.	Part No.	Description
J101	EC-333409	0.001V OUT 451 331M 5000C
F1A	4FR-325635	FUSE TSC A 250V 315A
F1B	4FR-325635	FUSE TSC A 250V 315A
F1C	4FR-325635	FUSE TSC A 250V 315A
F1D	4FR-325635	FUSE TSC A 250V 315A

9. VOLUME P.C BOARD

Ref. No.	Part No.	Description
VR101	EV-373338	VOLUME 100K 100K 100K

10. POWER SW P.C BOARD

Ref. No.	Part No.	Description
C101A	4EC-330545	C 0.001V OUT 451 331M 5000C
C101B	4EC-330545	C 0.001V OUT 451 331M 5000C
SW101	4ES-301970	SW PUSH 500LB 0.1 15W 222

11. SOURCE DIRECT LED P.C BOARD

Ref. No.	Part No.	Description
D101	BC-381485	D101 J SUP-3840-51 0414 [SOURCE DIRECT]
D102	BC-381485	D102 J SUP-3840-51 0414 [SOURCE DIRECT]

12. POWER LED P.C BOARD

Ref. No.	Part No.	Description
D101	ED 361856	D LED SLP-3840-51 GREEN [POWER]
D102	ED 361856	D LED SLP-3840-51 GREEN [POWER]

13. PRE-AMP P.C BOARD

Ref. No.	Part No.	Description
K1	E1344764	C ME218P-21
SW1	ES-372851	SW PUSH SPULTR 1/2 2-02-02N [SUBSONIC]
VR1	EV-355488	VR ROTARY KBA28 100KX2 [TREBLE]
VR2	EV-355487	VR ROTARY KBA28 100KX3 [BASE]
VR3	EV-355488	VR ROTARY 16P10X1W 105 [MAX. GAIN]

14. TAPE SELECTOR P.C BOARD

Ref. No.	Part No.	Description
K1	E-382588	C ME238P
SW1	ES-372802	SW PUSH SPULTR 1/2 2-04-02N [TAPE MONITOR]
SW2	ES-372803	SW PUSH SPULTR 1/2 2-02-02N [MULTI]
SW3	ES-372803	SW PUSH SPULTR 1/2 2-02-02N [LOUDNESS]

15. PHONE P.C BOARD

Ref. No.	Part No.	Description
K1	L-344764	C ME210-21
J1	E-356333	PN J T5857 488A P 4P [C.C. PHONE]
J2	E-356333	PN J T5857 488A P 4P [PHONE AUX]
J3	E-356333	PN J T5857 488A P 4P [DATA]
J4	LS 337684	COL HEX 2 H 12 P 16 E 761K [V]
SW1	LS-367541	SW PUSH SPULTR 1/2 2-04-02N [CARTRIDGE]
TR1	LT-372858	TR 1 T 38438 V

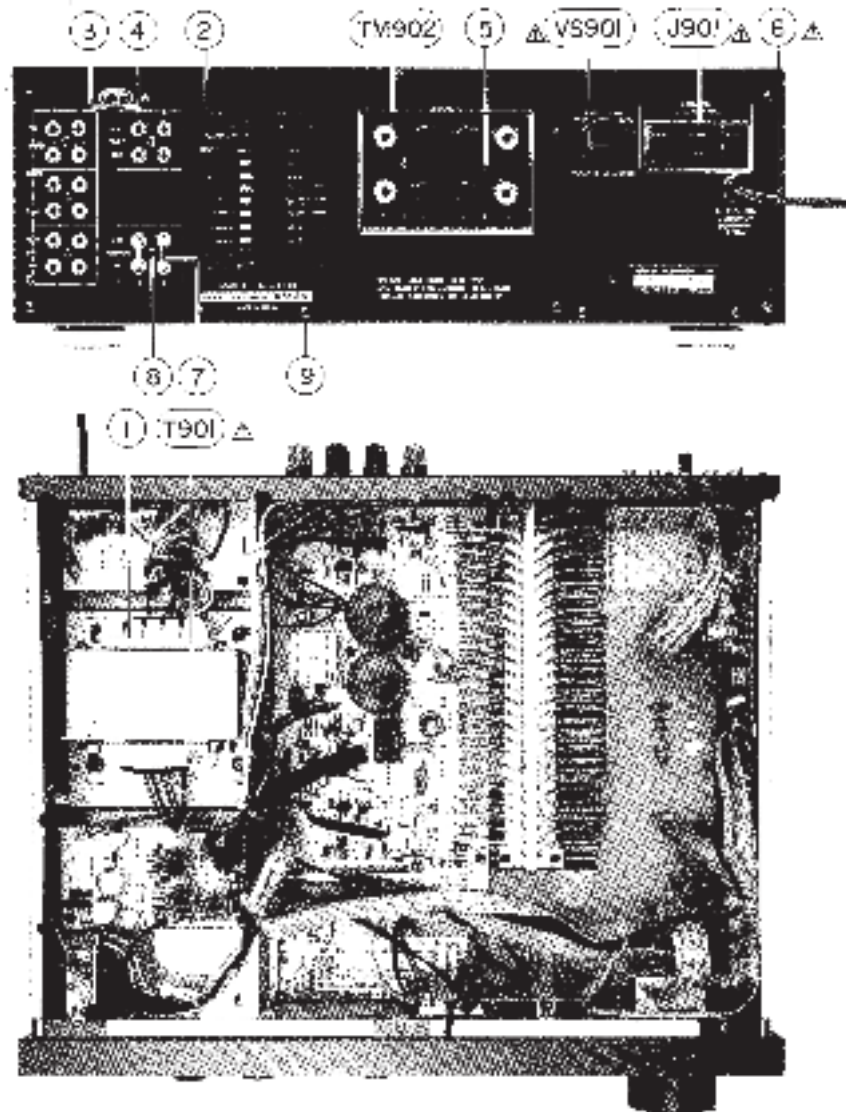
16. SWITCH P.C BOARD

Ref. No.	Part No.	Description
R1	ES-367950	R 0W H 510 FS 1/2W 162J
W	ES-368000	R 0W H 510 FS 1/2W 103J
SW1	ES-372853	SW PUSH ESB-68524 5 110W N
SW2	ES-372853	SW PUSH ESB-68524 04-2 W

17. TERMINAL P.C BOARD (V ONLY)

Ref. No.	Part No.	Description
J1	EC-342835	COL BALLM [V]
TR1	EL-342830	TERMINAL W/ SCREW YK051-01 32RPP [V] [SPEAKER]
TR10	EL-342830	TRANS POW A2033-J
TR11	EL-342830	TRANS POW A2033-J
TR12	EL-342830	TRANS POW A2033-B
TR13	ES-345624	5" PANADORESTL CMT OUT [TRANS FIX]
TR14	ES-373222E	PANEL REAR AM-320H
TR15	ES-373222E	PANEL REAR AM-320EVI
TR16	ES-373222K	PANEL REAR AM-320K
TR17	EL-333810	TERMINAL W/ SCREW LB 0327 L 1P
TR18	ES-333810	T28R30X082L B2N PROJECTION
TR19	EL-337406	TERMINAL W/ SCREW AND 24-AGAMP [ULD] [SPEAKER]
TR20	EJ-342933	TERMINAL W/ SCREW YK051-01 32RPP [V] [SPEAKER]
TR21	ES-301856	PT BR30X108TL B4 [ULD]
TR22	ES-302408	T28R30X208TL M3 CLDF [V]
TR23	EL-368397	SOCKET OUTLET 52T-733T182 [J]
SW101	ES-344070	SW SELECTOR YK611-000212 4 [J]
TR24	4 EW-368550	AC CORN 200 0128AVFF BUD A J [U]
TR25	4 EW-368572	AC CORN 200 0128 L CPL BUD A JV [E V]
TR26	4 EW-368584	AC CORN 200 0128 0070 A J [U]
TR27	EJ-368013	FUS SHORT PIN CNTD 1-006
TR28	ES-351885	PT BR30X108 L B W
TR29	ES-333810	T28R30X082L B2N PROJECTION
TR30	ES-490226	T28R30X082L CMT [FRONT PANEL FIX]
TR31	ZW-241330	RV NYL30X045 BL
TR32	WV-550948	WIRE BAND F 10C
TR33	WET-346525	TR 252116 S T
TR34	WET-346750	TR 252106 S V
TR35	WEL-368397	TR 2541430 S V

ASSEMBLY BLOCK

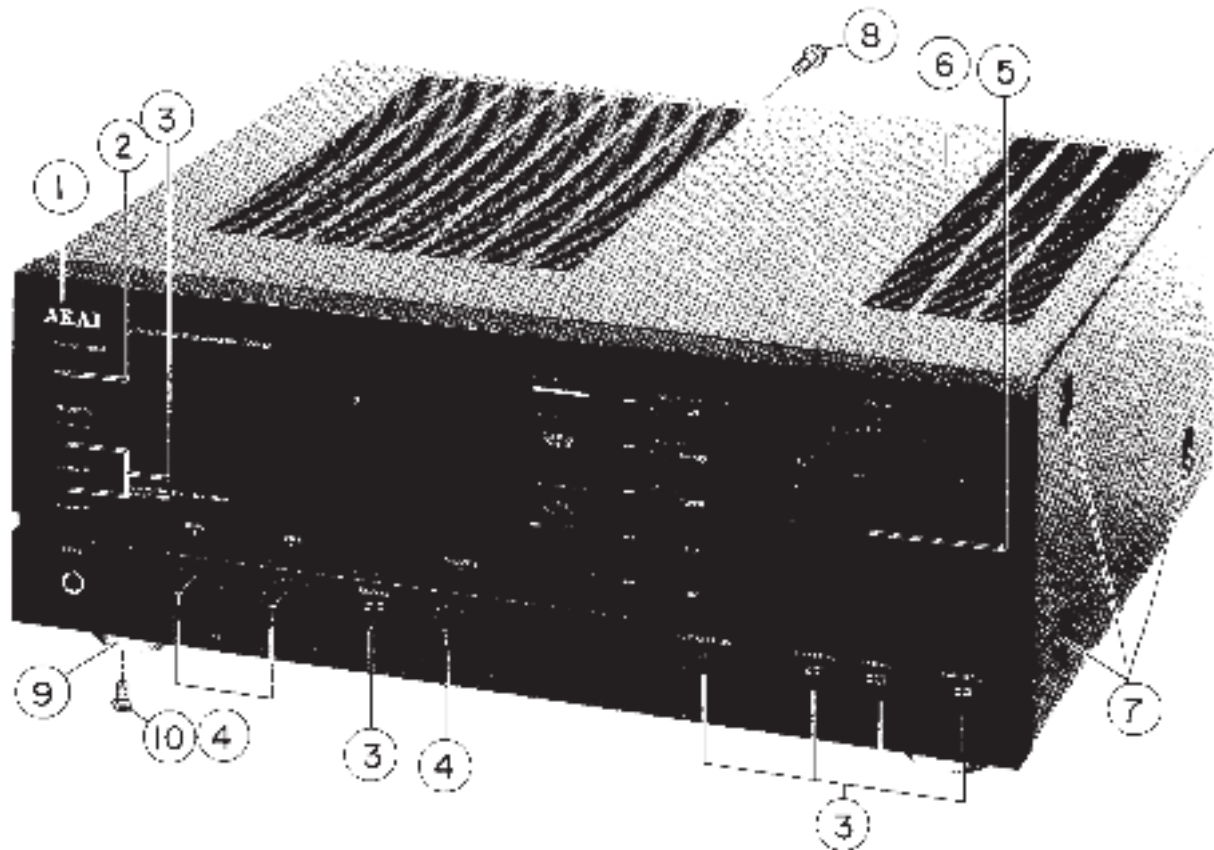


1B. ASSEMBLY BLOCK

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
1B	TD-A206250100	PANEL FRONT BLACK (24) (50.0)	5	ZS-447840	T2BR30X085TL CMT
1B31A	*ST-373343	TRANS POWN A06534A (U)	5A	ZS-35-888	PT BR30X105TL BL (U, U)
1B31B	*S-417351	TRANS POWN A06534V (V)	2B	ZS-352458	T2BR30X205TL N3 GULF (V)
TK01C	*ST-373364	TRANS POWN A06534B (U)	J901	*EJ-354367	SOCKET OUTLET 52T 73T 112 (U)
1	ZS-345634	5" PANOX085TL CMT CUP (PANOX)	VS901	*IS-348070	SW SELECTOR YKS11 0002 02 4 (U) PANOX085TL (U) (TOP)
2	SK-373242B	KNOB MODE BLACK (BLACK)	5A	*W-361663	AC CORD 230 D 29AVH B470 A L (U)
4	SK-373244A	KNOB BALANCE GOLD (GOLD)	6B	*W-361877	AC CORD 230 0064 L07, BOND A EV (U)
1	SK-373244B	KNOB BALANCE BLACK (BLACK)	6C	*W-361884	AC CORD 230 0064 L07A B (U)
2A	SP-37322E	PANEL REAR AN-320 (U)	7	SL-389015	PLUG 3H01 4P (U) 31 40 37
2H	SP-37322L	PANEL REAR AN-320 (V) (V)	8	ZS-321528	PT BR30X105TL BK
2C	SP-37322K	PANEL REAR AN-320 (B) (B)	9	ZS-308548	T2BR30X085TL N3N PROJECTION (U) PANOX085TL CMT (FRONT PANEL FIX)
3	EL-399410	TERMINAL W/ SCREEN LB-0067 L 1P	10	ZS-380220	T2BR30X085TL N3N PROJECTION (FRONT PANEL FIX)
4	ZS-308542	T2BR30X085TL N3N PROJECTION (FRONT PANEL FIX)	11	PN-731030	PS KV100*046 DL
TM902	EL-397408	TERMINAL W/ SCREEN ANE 024 AA48P (U, U) 9PANOX	12	NZ-503848	WIRE BAND 100
			TR001	*FT-345625	TR 350114 (U)
			TR002	SL-380176	TR 2823824 (V)
			TR003	*ET-565757	TR 2841410 (V)

PARTS LIST

FINAL ASSEMBLY BLOCK



19. FINAL ASSEMBLY BLOCK

Ref. No.	Part No.	Description
1-0	5D-A2062404CC	PANEL FRONT BLK AM-32-G [GOLD]
1-B	5D-A2062404CB	PANEL FRONT BLK AM-32-B [BLACK]
2-G	SK-173230A	KNOB POWER GOLD [GOLD]
2-B	SK-173230B	KNOB POWER BLACK [BLACK]
3-G	SK-173241A	KNOB MODE GOLD [GOLD]
3-B	SK-173241B	KNOB MODE BLACK [BLACK]
4-G	SK-173244A	KNOB ENLARGE GOLD [GOLD]
4-B	SK-173244B	KNOB ENLARGE BLACK [BLACK]
5-G	SK-173245A	KNOB COLUMN GOLD [GOLD]
5-B	SK-173245B	KNOB COLUMN BLACK [BLACK]
6-G	SP-371246A	COVER UPPER-GOLD [GOLD]
6-B	SP-371246B	COVER UPPER-BLACK [BLACK]
7-G	ZS-14135B	ST-BD40X065-TL-1B [GOLD]
7-B	ZS-14136D	ST-BD40X065-TL-1B [BLACK]
8	ZS-40-080	ZMP00X085-L-0M*
9	SA-E369360A2	FOOT PART
10	ZS-40-080	ZMP00X125-L-0M*

SYMBOL FOR COLOR VARIATION:
 B- BLACK
 G- GOLD

PARTS LIST

MODEL AM-52

1. RECOMMENDED SPARE PARTS

Ref. No.	Part No.	Description
1	*BT 372981	TRANS POW A2002 B (R)
2	*BT 372944	TRANS POW A2002 LV (F V)
3	*BT 372942	TRANS POW A2002 U (U)
4	ED 356424	D LED 3666265 GREEN
5	ED-373384	D LED SLP-1648 RED (A/B)
6	ED-373751	D LED SLP 3366 C50 GREEN (X)
7	ED-381888	D LED SLP 3642 51 GREEN (X/AMC) (100%)
8	*ED 380420	D SLIDON DBA100 200/10A
9	*ED-350748	D SLIDON DBA600-K18 200/10A
10	ED 348980	D SLIDON HD5448
11	ED-301911	D SLIDON HD5448
12	ED 342660	D ZENER 4H21L B2
13	ED-367945	D ZENER 4H216L B 41C
14	ED 368009	D ZENER 4H224L B 21C
15	ED 345375	D ZENER 4H224L B
16	*EF-369725	FUSE 1/4 T 250V 315A (S)
17	*EF-368541	FUSE 1/4 T 250V 800MA (S)
18	*EF-391007	FUSE 5MMX T 250V 315A (E.V.)
19	*EF-358344	FUSE 5MMX T 250V 800MA (E.V.)
20	*EF-300532	FUSE TSC A 250V 400A (H)
21	E 345474	K H412002
22	E-345719	K M5218P
23	E 344734	K M5218P 21
24	E-345258	K M5238P
25	*EL 324307	SOCKET 901111 S21 781 162 L
26	ED-342916	TRANSFORMER 500W 100V-100V (100V)
27	ED-303150	RELAY POW 047-2702P 5NO 3AV
28	ER 365022	RECT W R21-422, 75V
29	FR-373388	SW PUSH 658-85504 04-2N (SOURCE DIRECT)
30	FR-373385	SW PUSH 658-85505 5 THROW 4 (FUNCTION)
31	*FR-361270	SW PUSH 600L81 01-1 (POWER)
32	ES 372561	SW PUSH SPUL 9 H 2 0 2 02 02N (SUBSONIC)
33	ES 372563	SW PUSH SPUL 9 H 0 2 02 02N (MUTING)
34	ES 367241	SW PUSH SPUL 9 H 0 2 04 02S (CARTRIDGE)
35	ES 346476	SW PUSH SPUL 20018A 2 THROW (SPEAKER A+B)
36	ES 368789	SW PUSH SPUL 25 2 THROW 4 (TAPE MONITOR)
37	*E-349970	SW SELECTOR 45514002 02 4 (L VOLTAGE SELECTOR)
38	E-332949	TR 28A1248 5 T
39	*ET 346526	TR 28A1491 5 T
40	*ET-350150	TR 28A1491 5 T
41	ET 306403	TR 28A170 GR BL
42	ET-307105	TR 28C3240 CR BL
43	ET 338179	TR 28C3281 F 3
44	ET-370038	TR 28C3310 5 T
45	*ET 346626	TR 28C3118 5 T
46	*ET 359760	TR 28C3865 PLY
47	*E-346481	TR 3501780 1 L
48	EV 373366	VOLUME CONTROL IC/4EARTH LUS (VOLUME)
49	EV 366401	VOLUNTARY PDA28 10040X2 (BASS)
50	EV-355468	ROTARY SWITCH 10040X2 (MIDI)
51	EV 355466	ROTARY SWITCH 10040X2 (MIDI)

2. P.C BOARD BLOCK

Ref. No.	Part No.	Description
1A	BA-42052A020A	PC (MAIN AMP) BLK AW 520U (U)
1B	BA-42052A020D	PC (MAIN AMP) BLK AW 520U (D)
1C	BA-42052A020U	PC (MAIN AMP) BLK AW 520U (U)
1D	BA-42052A020E	PC (MAIN AMP) BLK AW 520U (E)
1E	BA-42052A020G	PC (MAIN AMP) BLK AW 520U (G)
1F	BA-42052A020H	PC (MAIN AMP) BLK AW 520U (H)
2A	BA-42052A030A	PC (PRE AMP) BLK AW 520U (H) (BEL)
25	BA-42052A030B	PC (PRE AMP) BLK AW 520U (V)
22	BA-42052A030C	PC (PRE AMP) BLK AW 520U (H)
23	BA-42052A030D	PC (PRE AMP) BLK AW 520U (V)

PC (MAIN AMP) BLK CONSISTS OF FOLLOWING P.C BOARD.

- * MAIN AMP P.C BOARD
- * POWER SUPPLY P.C BOARD
- * PIN JACK P.C BOARD
- * I/F P.C BOARD
- * PHONE P.C BOARD
- * FUSE P.C BOARD
- * VOLUME P.C BOARD
- * POWER SW P.C BOARD
- * SOURCE DIRECT LED P.C BOARD
- * POWER LED P.C BOARD

PC (PRE AMP) BLK CONSISTS OF FOLLOWING P.C BOARD.

- * PRE AMP P.C BOARD
- * TAPE SELECTOR P.C BOARD
- * PHONE AMP P.C BOARD
- * SWITCH P.C BOARD

3. MAIN AMP P.C BOARD

Ref. No.	Part No.	Description
C108	EC-338972	0.01μF 50V 50% CAP
C109	LC 200849	0.01μF 50V 50% CAP
C110	EC 200848	0.01μF 50V 50% CAP
C120	EC 338970	0.01μF 50V 50% CAP
C120A	EC 338978	0.01μF 50V 50% CAP (AM-52)
C121	EC 373379	0.01μF 50V 50% CAP
C121A	EC-368586	0.01μF 50V 50% CAP (AM-52)
C122	EC-338583	0.01μF 50V 50% CAP
C123	ED-346526	D ZENER 4H21L B2
D102	ED-301911	D SLIDON HD5448
D103	ED-301911	D SLIDON HD5448
D104	ED 301911	D SLIDON HD5448
D105	ED-301911	D SLIDON HD5448
D106	ED 301911	D SLIDON HD5448
D107	ED-301911	D SLIDON HD5448
D108	ED 348380	D SLIDON HD5448
D109	ED-348380	D SLIDON HD5448
D110	ED 301911	D SLIDON HD5448
D111	*ED-350748	D SLIDON DBA600-K18 200/10A
D112	ED 366626	D LED 3666265 GREEN
D113	ED-368005	D ZENER 4H224L B 21C
D114	ED 368009	D ZENER 4H224L B 21C
C101	E 349719	C ME218P
C102	E-345474	C H412002
L101	ED 332116	COIL 2.105A 30042P20K
R101	ED-321150	RELAY POW 047-2702P 5NO 3AV
R102	ER 318400	RECT W R21-422, 75V 60%
R103A	ER-325110	RESISTOR 1/4W 100Ω (AM-52)

Ref. No.	Part No.	Description
R108	BR-314400	R CBF 510 FS RDS 1/4W 500
R108A	BR-372110	R CBF 510 FS RDS 1/4W 500 [AM-32]
R116	BR-324100	R CBF 510 FS RDS 1/4W 221
R116	BR-375100	R CBF 510 FS RDS 1/4W 221
R118A	BR-324100	R CBF 510 FS RDS 1/4W 221 [AM-32]
R120	BR-324100	R CBF 510 FS RDS 1/4W 221
R120	1-022091	R CBF 510 FS RDS 1/4W 101
R127	BR-333070	R CBF 510 FS RDS 1/4W 300
R126	1-033072	R CBF 510 FS RDS 1/4W 150
R129	BR-355021	R CT W 221 R23 / 5W
R149	1-033020	R DMF 4520 FS 2W 100
R144	BR-333020	R DMF 4520 FS 2W 100
R154	BR-375070	R DMF 4516 FS 2W 221
R157	BR-319400	R CBF 510 FS RDS 1/4W 500
R159	BR-316400	R CBF 510 FS RDS 1/4W 500
T101	1T-338179	TR 25C225 1 FG
T102	ET-339090	TR PET 29K060 V
T102A	R-073060	TR 25C085 1 GR BL [AM-32]
T103	1T-320030	TR 25C2910 S1
T104	ET-305453	TR 25A070 GR BL
T105	1T-306410	TR 25A070 GR BL
T106	ET-370038	TR 25C2910 S1
T106	1-01-343806	TR 25C0114 S1
T110	1-01-343606	TR 25A1248 S1
T111	ET-307106	TR 25C0240 GR B
T112	1T-303453	TR 25A070 GR BL
T113	ET-305453	TR 25A070 GR B
T114	1T-303453	TR 25A070 GR BL
T115	BR-333080	R S-FDH RH1051 D.C. 5W 252

4. POWER SUPPLY P.C BOARD

Ref. No.	Part No.	Description
D101	EC-201639	D IEC W CUL AS1 351M 50.000
D102	EC-201639	D IEC W CUL AS1 351M 50.000
D103	EC-326683	DIENY W CUL CFB21 47K 40000
D110	EC-201639	D IEC W CUL AS1 101M 50.000
D111	EC-201639	D IEC W CUL AS1 101M 50.000
D101	ED-301911	D SLEDOV H 05448
D102	EC-308793	ZENER H-2161 3 F10
D103	ED-301945	D ZENER H-2161 3 F10
D104	EC-301911	D SLEDOV H 05448
D105	ED-301911	D SLEDOV H 05448
D106	EC-301945	D ZENER H-224L S
D107	1-01-333020	D SLEDOV 00A700 200 11 0A
R105	BR-372058	R CBF 512 FS RDS 1/2W 100
R110	1-01-333030	R CBF 510 FS RDS 1/4W 470
R111	1-01-324430	R CBF 510 FS RDS 1/4W 470
R112	1-01-370010	R CBF 510 FS RDS 1/4W 150
R113	BR-333072	R CBF 510 FS RDS 1/4W 150
R114	1-01-333030	R CBF 510 FS RDS 1/4W 150
T1101	1-01-345025	TR 25C3110 S1
T1102	1-01-345025	TR 25A1548 S1
T1103	1-01-305081	TR 25C1762 S1
F3A	1-01-358044	FUSE SEMKO T 250V 800MA [AM-32]
F3B	1-01-358041	FUSE BET T 250V 800MA [AM-32]
F3C	1-01-301042	FUSE SEMKO T 250V 630MA [AM-32]
F3D	1-01-308074	FUSE UL T 250V 630MA [AM-32]
F4A	1-01-358044	FUSE SEMKO T 250V 800MA [AM-32]
F4B	1-01-358041	FUSE UL T 250V 800MA [AM-32]
F4C	1-01-301042	FUSE SEMKO T 250V 630MA [AM-32]
F4D	1-01-308074	FUSE BET T 250V 800MA [AM-32]

5. PIN JACK P.C BOARD

Ref. No.	Part No.	Description
J101	EJ-373068	PIN J 70765 4A84 4P TAPE 1 REC. HI
J102	EJ-373068	PIN J 70765 4A84 4P ADAPTOR IN-OUT
J103	EJ-373068	PIN J 70765 4A84 4P TAPE 2 REC. HI

6. LED P.C BOARD

Ref. No.	Part No.	Description
D101	ED-373751	D LED SLP-3368-050 GREEN [AM-32]
D102	ED-373751	D LED SLP-3368-050 GREEN [AM-32]
D103	ED-373751	D LED SLP-3368-050 GREEN [AM-32]
D104	ED-373751	D LED SLP-3368-050 GREEN [AM-32]
D105	ED-373751	D LED SLP-3368-050 GREEN [AM-32]
D106	ED-373024	D LED SLP 1645 RED [TAPE 1]
D107	ED-373024	D LED SLP 1645 RED [TAPE 2]

7. PHONE P.C BOARD

Ref. No.	Part No.	Description
J101	EJ-348546	PHONE J 3P HL-3540-010 B1 [AM-32]
R101	BR-301763	R DMF HFS 2W 431 J
SW101	ES-345470	SW PUSH SPL 250104 2 THROW [SPEAKER A, B]

8. FUSE P.C BOARD

Ref. No.	Part No.	Description
F101	EC-333405	CUL LF FCB1600N02 250V [AM-32]
F14	1-01-358052	FUSE TSC A 250V 100A [AM-32]
F15	1-01-358050	FUSE SEMKO T 250V 315A [AM-32]
F16	1-01-358053	FUSE SLP T 250V 315A [AM-32]
F17	1-01-306051	FUSE TSC A 250V 250A [AM-32]
F18	1-01-306120	FUSE SEMKO T 250V 250A [AM-32]
F19	1-01-358051	FUSE BET T 250V 250A [AM-32]
F2	1-01-306052	FUSE TSC A 250V 250A [AM-32]
F3	1-01-306051	FUSE TSC A 250V 250A [AM-32]

9. VOLUME P.C BOARD

Ref. No.	Part No.	Description
VR101	EV-373359	VR 5K103 2A 10K W/ EARTH LUG [VOLUME]

10. POWER SW P.C BOARD

Ref. No.	Part No.	Description
D101A	★EV-32754F	C CRYST 1032 250K J.
D101B	★EC-333495	C CRYST 432F 400K [REV.]
SW101	★ES-381970	SW PUSH-SPULL 2-1 [POWER]

11. SOURCE DIRECT LED P.C BOARD

Ref. No.	Part No.	Description
D101	ED-381885	D LED SLP-3840-51 GREEN [SOURCE DIRECT]
D102	ED-381885	D LED SLP-3840-51 GREEN [SOURCE DIRECT]

12. POWER LED P.C BOARD

Ref. No.	Part No.	Description
D101	ED-381885	D LED SLP-3840-51 GREEN [POWER]
D102	ED-381885	D LED SLP-3840-51 GREEN [POWER]

13. PRE-AMP P.C BOARD

Ref. No.	Part No.	Description
KT	EV-344794	KT 50210P-21
SW1	ES-372561	SW PUSH-SPULL 19-F-12.2 2-02 CDH [BASS/ON/OFF]
SW2	ES-372561	SW PUSH-SPULL 19-F-12.2 2-02 CDH [OFF]
VR1	EV-366461	VR POTARY BDA425 100KX2 [TREBLE]
VR2	EV-366461	VR POTARY BDA425 100KX2 [BASS]
VR3	EV-366461	VR POTARY 16710K1W 10K [BALANCE]

14. TAPE SELECTOR P.C BOARD

Ref. No.	Part No.	Description
C1	EV-373359	C 100210P
SW1	ES-363769	SW PUSH-SPULL 24-2 THROW N [TAPENUM 00]
SW1A	ES-372902	SW PUSH-SPULL 13 H6.5 2-02-02H [TAPENUM 00] [AN 02]
SW2	ES-372903	SW PUSH-SPULL 13 H6.5 2-02-02H [NO. 00]
SW3	ES-372903	SW PUSH-SPULL 13 H6.5 2-02-02H [DUALISS]

15. PHONE AMP P.C BOARD

Ref. No.	Part No.	Description
C1	EV-344794	C 100210P-21
T1	EV-366436	TR J T6507 A05A P 4P COIL PHONE
T2	EV-366436	TR J T6507 A05A P 4P TUNER PALEX
T3	EV-366436	TR J T6507 A05A P 4P DAT
L1	EV-337404	COIL TX 2" 100001 75K [N]
SW1	ES-367541	SW PUSH-SPULL 10 H6.5 2-02-02H [CAPTIVE]
TR1	EV-372903	TR POT 25K350 V

16. SWITCH P.C BOARD

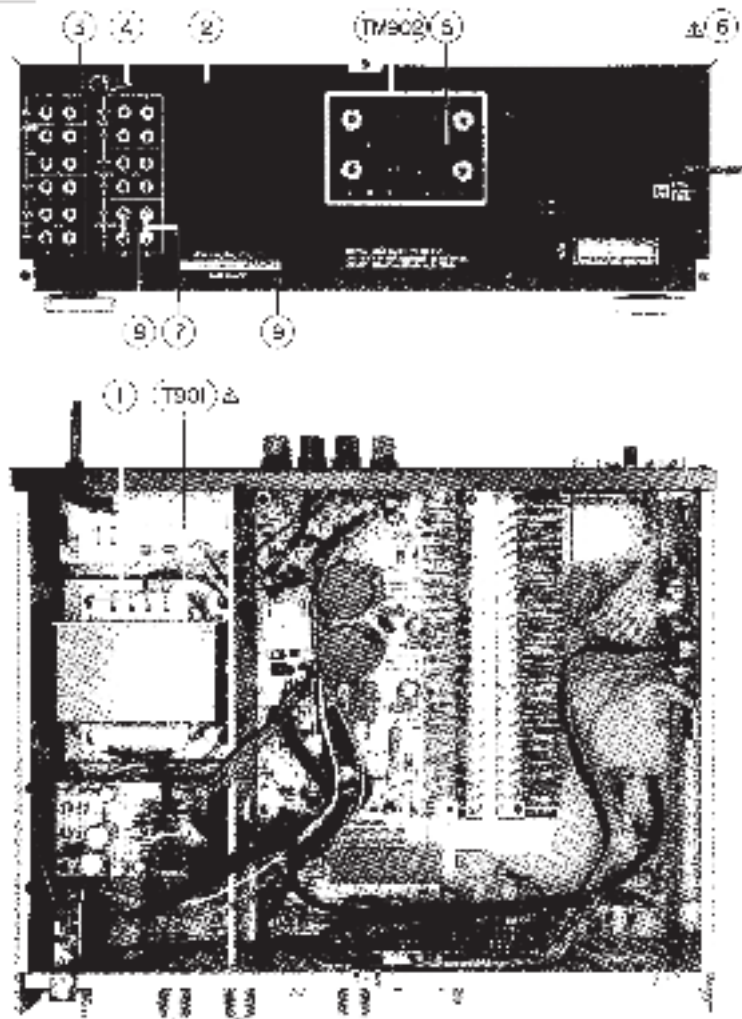
Ref. No.	Part No.	Description
C1	EV-344794	C 100210P-21
R4	EV-356806	R CNT 4S15 FS 1/2W 152L
SW1	EV-372961	SW PUSH-SPULL 19-F-12.2 2-02 CDH [FUNCTION]
SW2	EV-372961	SW PUSH-SPULL 19-F-12.2 2-02 CDH [SOURCE DIRECT]

17. TERMINAL P.C BOARD (V ONLY)

Ref. No.	Part No.	Description
C1	EV-344794	C 100210P-21
TR1	EV-366436	TR J T6507 A05A P 4P [V]
T201C	★ST-372965	TRANS LOW A2000 B AM 52
T201D	★ST-372949	TRANS LOW A2000 J AM 32
T201F	★ST-372951	TRANS LOW A2000 LV AM 32
T201G	★ST-372954	TRANS LOW A2000 J [AM 32]
	ZS 345624	ET PA440308STL CNT DUP [DARKFIX]
Z5	SP-373223A	PANEL REAR AM-531J
Z6	SP-373223C	PANEL REAR AM-531V
Z7	SP-373223J	PANEL REAR AM-531S
Z8	SP-373223E	PANEL REAR AM-531U
Z9	SP-373223G	PANEL REAR AM-531W
Z9	SP-373223K	PANEL REAR AM-531S

Ref. No.	Part No.	Description
3	EJ 323610	TERMINAL W/ SCREW UB-D067 - 1P
4	ZS-300848	T2B030X06STL BZN PROJECTION
TRW02	EJ 337403	TERMINAL W/ SCREW AKB-024-AA&RP [U] [32] [AM-32]
TR1	EJ 342803	TERMINAL W/ SCREW YKD31-0132P&P [U] [SP-PAK111]
5A	ZS-301068	P1 UNDOCKING L. SM [UEB]
5B	ZS-301789	T2B030X20STL KN GUIDE [U]
J001	4 P-394857	SOCKET OUTPUT S2T-7301152 [U]
SWB01	#EW-340370	SW SELECTOR YKS11-0600 02-4 [U]
64	#EW-363659	AC COFD 200 G130AVFF B070 4 L [U]
80	#EW-363672	AC COFD 200 G354 LCFL B070 4 P [U]
81	#EW-363684	AC COFD 200 LCFL B070 4 B [B]
9	EJ 366010	PLUG SHORT PIN CM781 OC57
9	ZS-351886	PT BRCKX10ST - 6K1
9	ZS 308040	T2B030X06STL BZN PROJECTION
10	ZS 430228	T2B030X08STL CNT [U] [U] [AM-32]
11	ZW 231030	RY NYL300045 BL
12	MD-553045	WIRE BOND F-100
TR001	#ET 358759	TR 25C3116 S.T
TR002	#ET 358760	TR 25C3555 P.Y [AM-32]
TR002A	#ET 358769	TR 25C3554 P.Y [AM-32]
TR003	#ET 358769	TR 25A1481 P.Y [AM-32]
TR003A	#LT 358767	TR 25A1480 P.Y [AM-32]

ASSEMBLY BLOCK

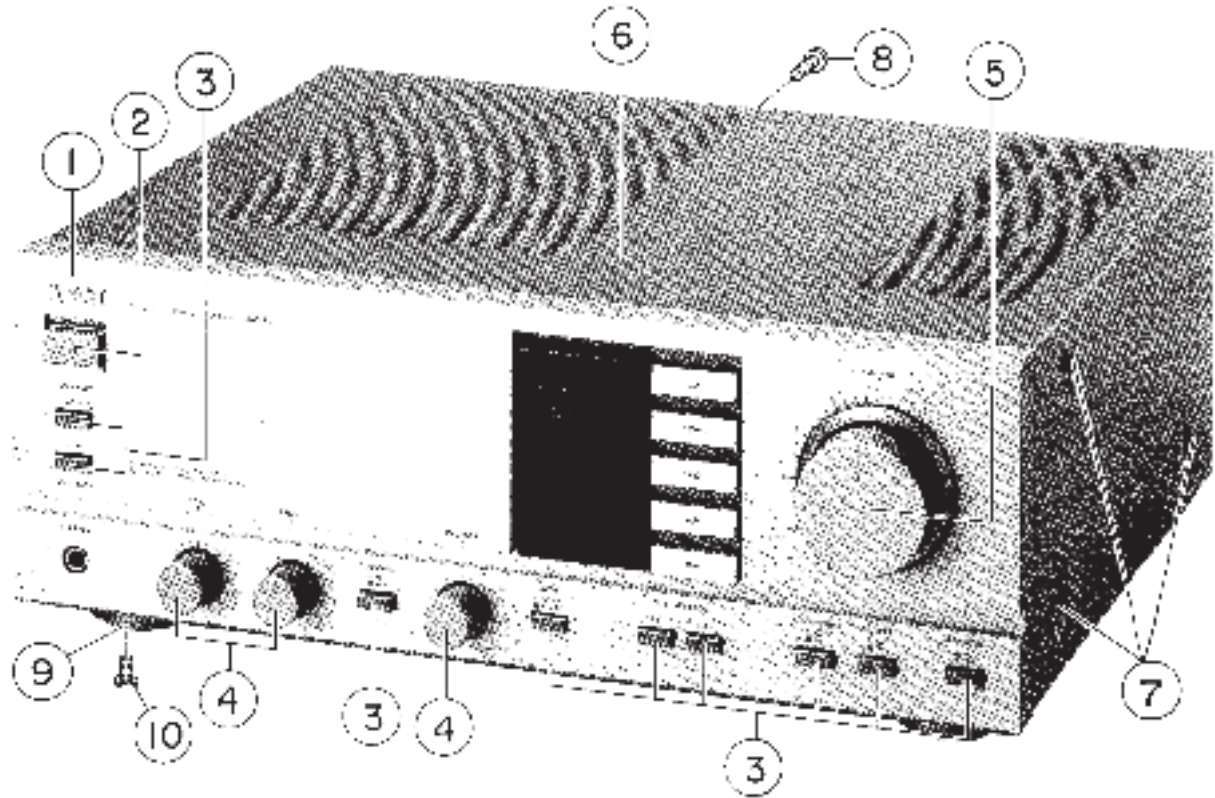


18. ASSEMBLY BLOCK

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
T901A	8B1-372942	TRANS PWR 52062 U [U]	T902	1-321608	HOOK NAIL W/ SCREW 20-504-60-60P [RELI] SPEAKER
T901B	8B1-372944	TRANS PWR 52064 U [U]	3	25-447340	T25B3CX065T1 CMT
T901C	8B1-372985	TRANS PWR 52064 U [U]	54	29-011526	P1 D53CX108T1 EN [RELI]
1B	80-4208940400	PANEL FRONT BLK AW-32-B [AW 32 BLACK]	80	29-012460	T23B3CX205T1 N3 9 ME [U]
2	8K-3732364	KNOB POWER-GOLD [GOLD]	100	WFL-864337	SOCKET 6P (L) 5V (1) 1T139 [U]
2	8K-3732368	KNOB POWER-BLACK [BLACK]	V5501	8EW-343670	SW SELECTOR YK811-010 2.00-4 [U] [VOLTAGE SELECTOR]
1	25-346624	SP PAN40X085T1 CMT CJP TRANS FOX	1A	8EW-353559	AC CORD 200 0-20AMP 60 C A L [U]
2A	8F-373222A	PANEL REAR AW 32U U	10	8EW-353572	AC CORD 200 0564 LCF BK 70 A 5V [U]
2B	8F-373222C	PANEL REAR AW 32U EV	9	8EW-363284	AC CORD 200 LDR BK 70 A-6 [U]
2C	8F-373222J	PANEL REAR AW 32U E	7	LJ-368015	PLUG 5P CRT PK CNTL 1 20P37
5	8K-3732434	KNOB VOLUME-GOLD [GOLD]	8	25-351885	FT BRCK 08T1 5M
5	8K-3732438	KNOB VOLUME-BLACK [BLACK]	1	29-010645	T20B3CX085T1 U20P110J1501K14
6	8F-373246A	COVER UPPER-GOLD [GOLD]	10	25-480225	T2B3CX065T1 CMT [RELI] PANEL EN
3	EJ-528610	TEMP NAIL W/ SCREW JE-C062 L 1P	11	29-251050	PV KYLE20X045 BL
4	29-308845	T2B3CX065T1 524 PFG PCT 1A	12	M2-253049	W RE BAMB F-110
			T901	8L-104029	TR 28C21E 5T
			T902	4ET-354750	TR 25C3855 PLY
			T903	8ET-080780	TR 28A7481 PLY

PARTS LIST

FINAL ASSEMBLY BLOCK



19. FINAL ASSEMBLY BLOCK

Ref. No.	Part No.	Description
1-C	BD A2062A040A	PANEL FRONT BLK AM-52-0 (GOLD)
1-B	BD A2062A040B	PANEL FRONT BLK AM-52-0 (BLACK)
2-G	SK-370216A	KNDS POWER GOLD (GOLD)
2-B	SK-370216B	KNDS POWER BLACK (BLACK)
3-G	SK-370242A	KNDS MCDP-GOLD (GOLD)
3-B	SK-370242B	KNDS MCDP-BLACK (BLACK)
4-G	SK-370244A	KNDS BALANCE GOLD (GOLD)
4-B	SK-370244B	KNDS BALANCE BLACK (BLACK)
5-G	SK-370243A	KNDS VOLUME GOLD (GOLD)
5-B	SK-370243B	KNDS VOLUME BLACK (BLACK)
6-G	S-4373248A	CONTR. J. H. (GOLD) (GOLD)
6-B	S-4373248B	CONTR. J. H. (BLACK) (BLACK)
7-G	25-341259	ST B D40X06ST. (G) (GOLD)
7-B	25-341260	ST B D40X06ST. (B) (BLACK)
8	25-447540	T2BR30X085TL CMT (G) (PART)
9	25-447540	T2BR30X085TL CMT (G) (PART)
10	25-447506	T2BR30X125TL CMT

SYMBOL FOR COLOR VARIATION
 B- BLACK
 G- GOLD

INDEX

MODEL AM-32

Part No.	Ref. No.	Part No.	Ref. No.	Part No.	Ref. No.	Part No.	Ref. No.
BA-A2052AC00	A	BT-801042	144	ET-3027906	28	ZS-301856	8
BA-A2052AC00G	B	BT-823125	16	ES-372958	SW2	ZS-301856	8A
BA-A2052AC00F	C	BT-823125	170	ET-3027907	38	ZS-301856	8
BA-A2052AC00C	D	B-344714	21	ET-3027903	TR104	ZS-447806	10
BA-A2052AC00D	28	BT-344714	101	ET-3027907	TR105	ZS-447840	8
BD-A2252AC00C	B	B-344750	101	ET-3027903	TR112	ZS-447840	8
BD-A2252AC00C	14	BT-344750	78	ET-3027903	TR113	ZS-490228	10
BD-A2252AC00D	B	B-344754	101C2	ET-3027903	TR118	ZS-490228	10
BT-372954		BT-344719	30	ET-3027905	40	ZW-231030	11
BT-372954	7801F	B-344718	101C1	ET-3027905	TR111	ZW-231030	11
BT-372954	7801G	B-372658	22	ET-3027907	41		
BT-372954	2	BT-382658	101	ET-3027907	TR101		
BT-372954	7801D	EJ-328610	3	ET-345022	43		
BT-372954	7801A	ET-328610	2	ET-345022	TR109		
BT-372954	2	EJ-337006	23	ET-345022	TR101		
BT-372954	7801E	EJ-327408	TR802	ET-345022	TR801		
BT-372954	7801B	EJ-372658	TR802	ET-345022	TR901		
EC-200848	C109	EJ-342025	24	ET-345022	37		
EC-200848	C10	EJ-342025	7M	ET-345022	TR110		
EC-201037	C10	EJ-342025	IM	ET-345022	TR107		
EC-201037	C11	EJ-348848	101	ET-366681	35		
EC-201039	C101	EJ-374017	1801	ET-366681	TR103		
EC-201039	C102	EJ-384837	2601	ET-368107	38		
EC-320540	C101A	ET-376006	41	ET-368107	TR903A		
EC-320583	C122	EJ-388338	25	ET-368107	TR901		
EC-320583	C109	ET-376006	38	ET-368107	44		
EC-320583	C108	EJ-389015	7	ET-368107	TR902A		
EC-320583	C107	ET-376006	7	ET-368107	TR902		
EC-320583	C120	EJ-373338	101	ET-370038	47		
EC-320583	C121	ET-370038	1003	ET-370038	TR109		
ED-301911	10	LO-302118	1101	ET-370038	TR100		
ED-301911	1002	ED-307654	L	ET-372159	101		
ED-301911	1003	LO-328409	1101	ET-370038	TR101		
ED-301911	1004	ED-342536	L	EV-355458	49		
ED-301911	1005	LO-302118	25	EV-355458	VF3		
ED-301911	1006	ED-337169	R10	EV-355457	47		
ED-301911	1007	UN-318400	10107	EV-355457	VF2		
ED-301911	1010	ER-318400	R109	EV-355458	48		
ED-301911	1001	UN-352517	10106	EV-355456	VF1		
ED-301911	1004	ER-324155	R15	EV-373339	45		
ED-301911	1008	FR-324155	R120	EV-373339	VF101		
ED-301911	7	ER-324158	R118	EV-373339	6A		
ED-301911	1007	FR-324158	R110	EV-373339	8A		
ED-301911	10	ER-324400	R111	EV-373339	7B		
ED-348578	1008	FR-331031	R140	EV-373339	8B		
ED-348580	3	ER-333028	R144	EV-373339	8C		
ED-348580	1009	FR-331031	R137	EV-373339	9C		
ED-350140	C109	ER-333332	R128	EV-373339	11		
ED-350140	8	FR-331031	R112	EV-373339	12		
EJ-360748	C111	ER-333332	R113	EV-373339	9		
EJ-368424	4	ER-333332	R114	EV-373339	14G		
FD-368424	D112	UN-368900	01	SK-373220	2B		
FD-368135	7	ER-368922	25	SK-373220	14		
FD-368135	1001	UN-368542	0128	SK-373220B	1		
FD-368135	1002	ER-367930	R1	SK-373220B	140		
FD-368135	1003	UN-362500	0105	SK-373220A	100		
FD-368135	1004	ER-373330	27	SK-373220B	10		
FD-368135	1005	UN-361018	TR107	SK-373244A	4		
FD-368135	D101	ER-373338	R154	SK-373244A	401		
FD-368135	D102	UN-361110	1107	SK-373244B	4		
FD-368135	D101	UN-375110	1106	SK-373244B	4B		
FD-368135	D102	FR-377138	R101	SP-373221	20		
FD-368135	1	UN-348478	01	SP-373222	2A		
FD-368135	D103	ES-345476	SW10	SP-373222G	2		
FD-368135	12	UN-348500	16	SP-373222G	25		
FD-368135	13	ES-349070	SW901	SP-373222K	2F		
FD-368135	D113	UN-348500	SW901	SP-373222K	2D		
FD-368135	D114	ES-371970	30	SP-373224B	801		
FD-373354	3	UN-361110	SW101	SP-373220	6B		
FD-373354	D101	ES-377141	34	ZS-308848	4		
FF-326738	B	ES-367541	SW1	ZS-308848	9		
FF-326738	F1A	ES-372181	12	ZS-308848	4		
FF-326738	F2	ES-372561	SW1	ZS-308848	5		
FF-326738	5	ES-372182	11	ZS-308848	10		
FF-326738	F10	ES-372562	SW1	ZS-308848	50		
FF-326738	F4B	ES-372183	13	ZS-308848	10		
FF-326738	11	ET-372658	SW2	ZS-341980	10		
FF-326738	F10	ES-372183	SW2	ZS-341980	1		
FF-326738	17	FR-372658	20	ZS-345824	1		
FF-326738	F3A	ES-372385	SW1	ZS-345824	1A		

AKAI

MODEL **AM-32**

MODEL **AM-52**

SCHEMATIC DIAGRAM AND PC BOARDS

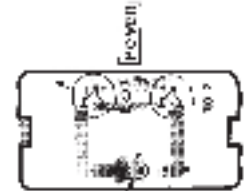
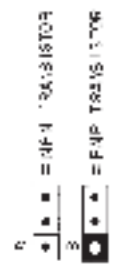
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2. AM-32 LED PCB, PHONO PCB, SOURCE DIRECT LED PCB, SWITCH PCB.....	3
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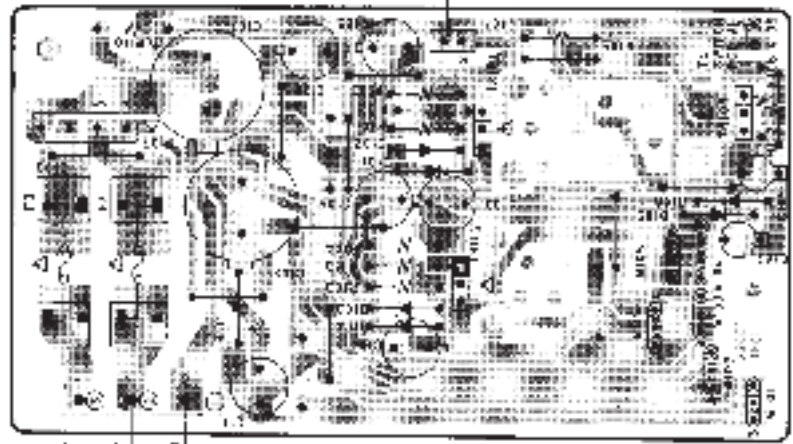


POWER SW PCB A2052A503H

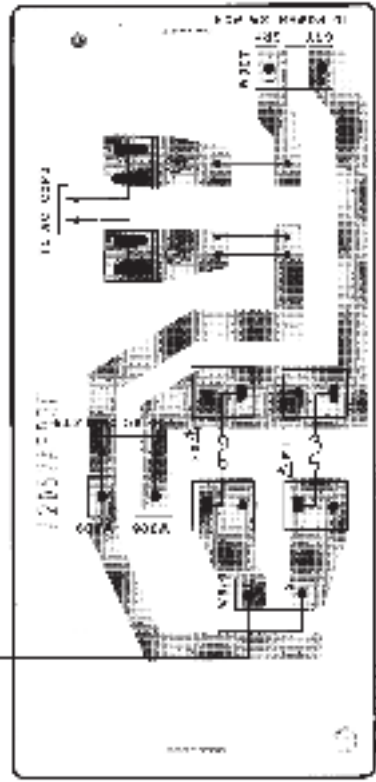
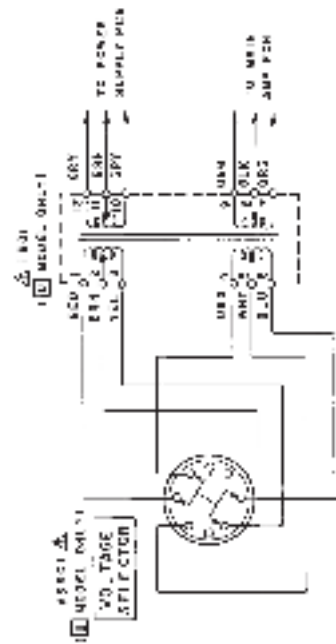
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POWER LED PCB A2052A503K



POWER SUPPLY PCB A2052A503B



FUSE PCB (U) MODEL ONLY A2052A503F



FUSE PCB (B, E, V) MODEL ONLY A2052A503F

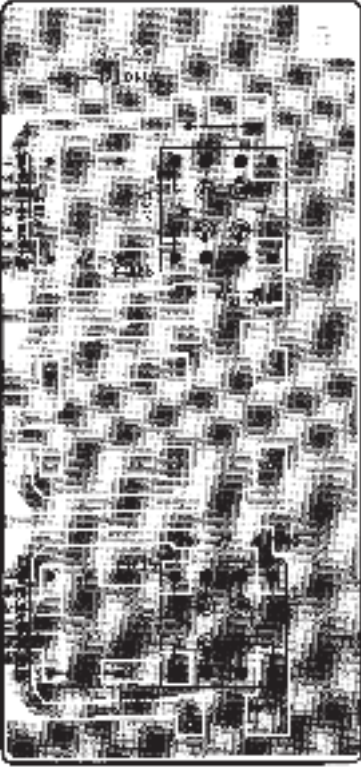
VOLUME PCB A2052A503G



VP 3
03.04E

TO MAIL ROOM PAGE 8.

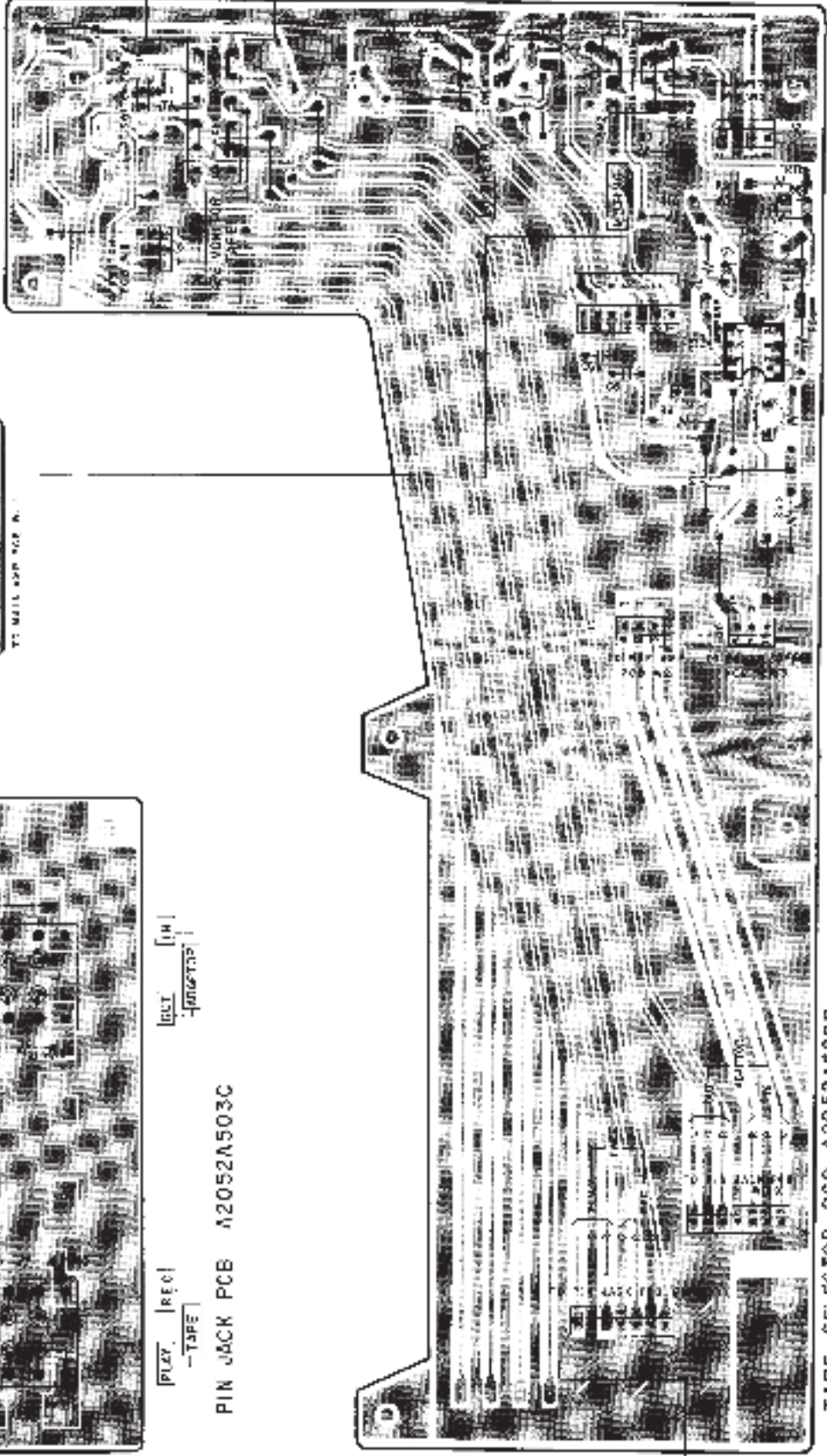
TO TAPE SELECTOR
458 U3



TO TAPE SELECTOR
458 U3

PLAY REC
-TYPE

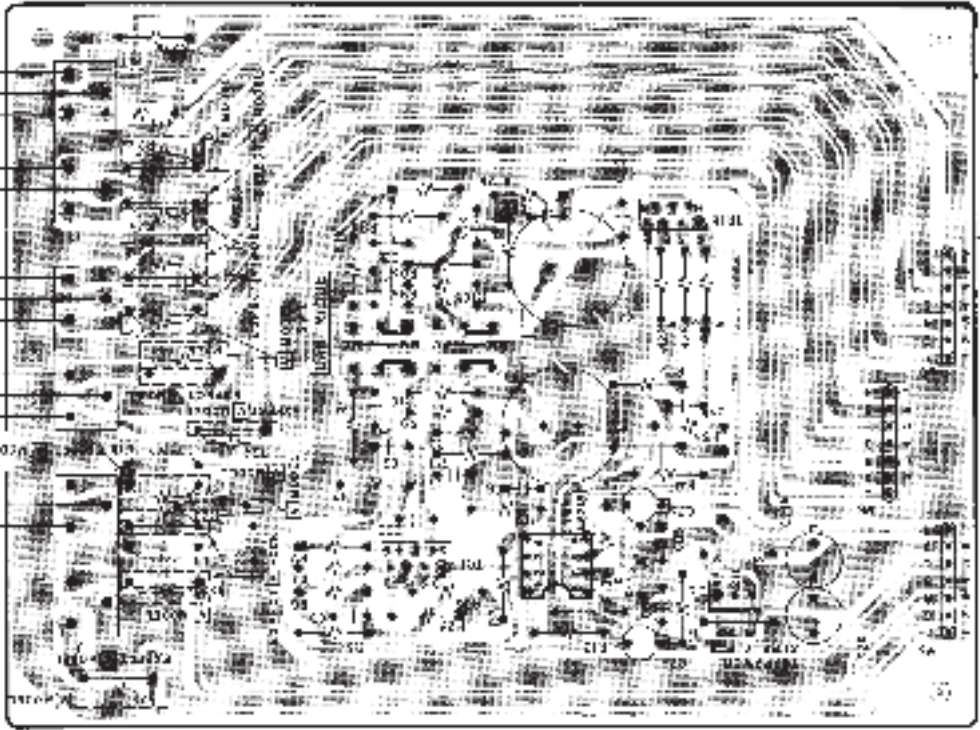
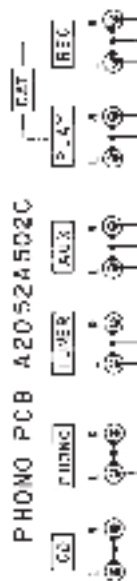
PIN JACK PCB A2052A503C



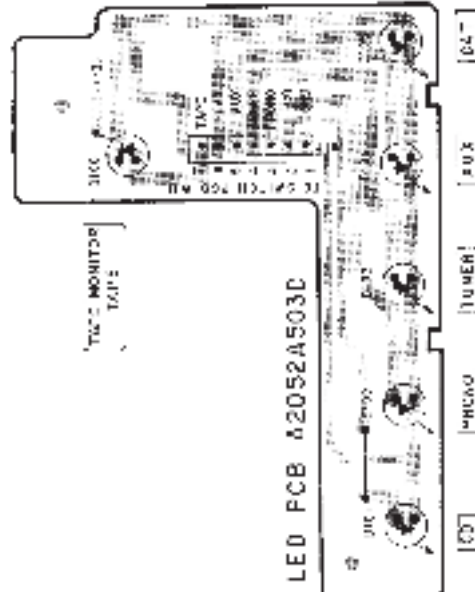
TAPE SELECTOR PCB A2052A502B

25K50R
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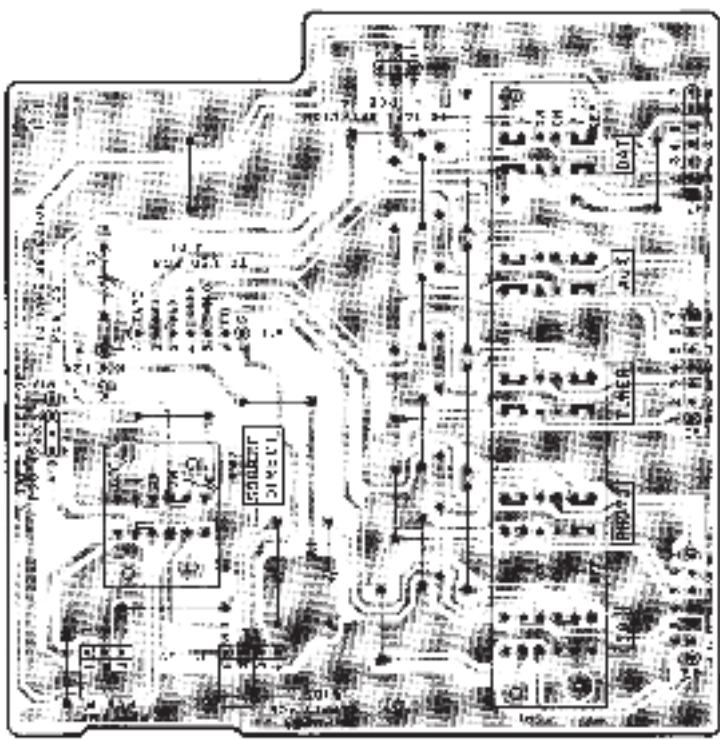
PHONO PCB A2052A502C



SEE BATTERY FOR INSULATION



SWITCH PCB A2052A502D

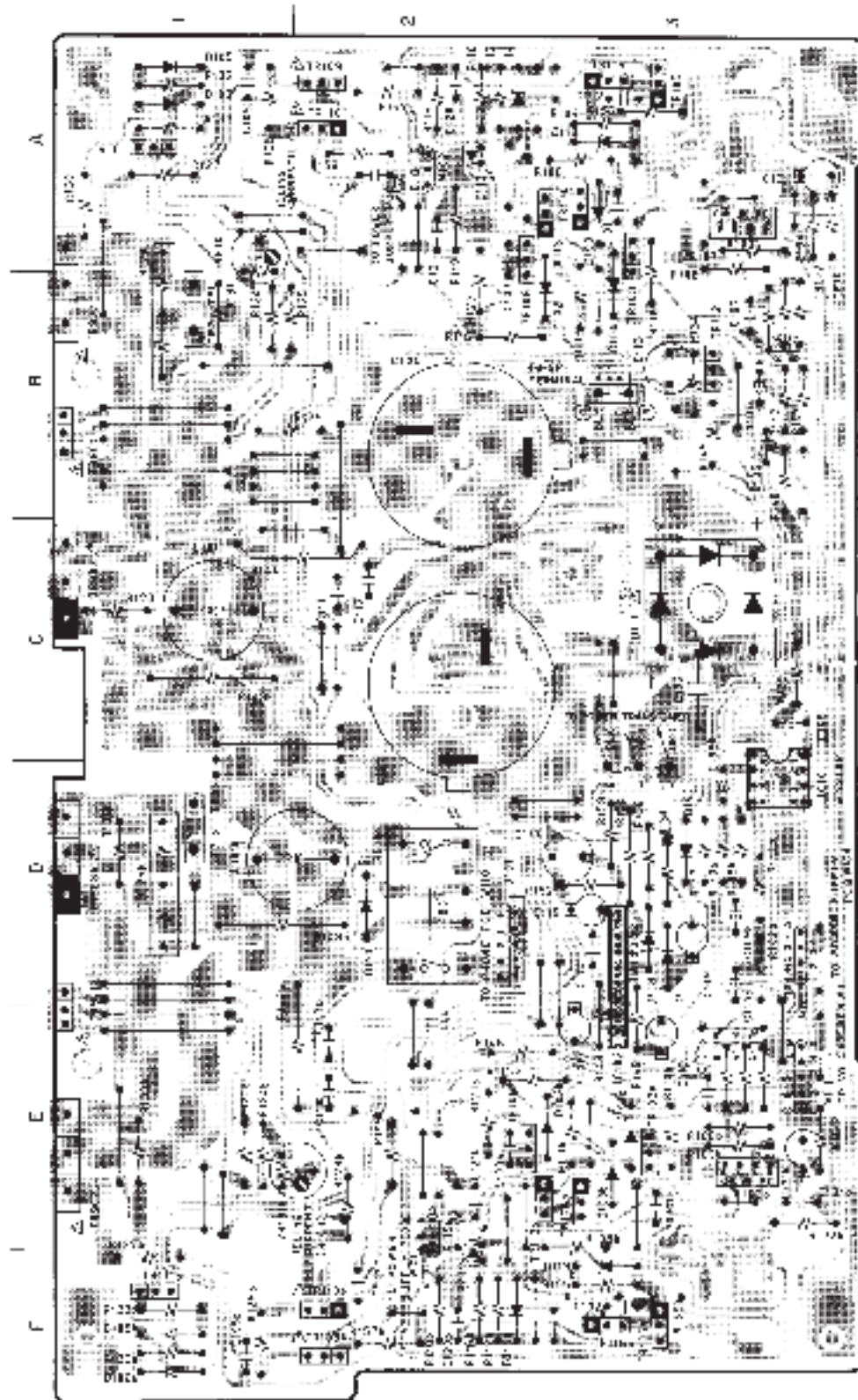


SEE SOURCE UNIT FOR INSULATION

SOURCE
 DIRECT

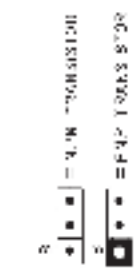


SOURCE
 DIRECT LED PCB
 A2052A503J



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6X5	27
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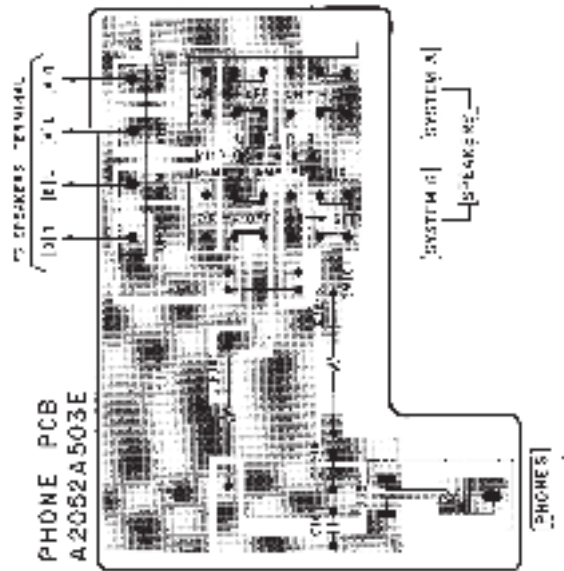
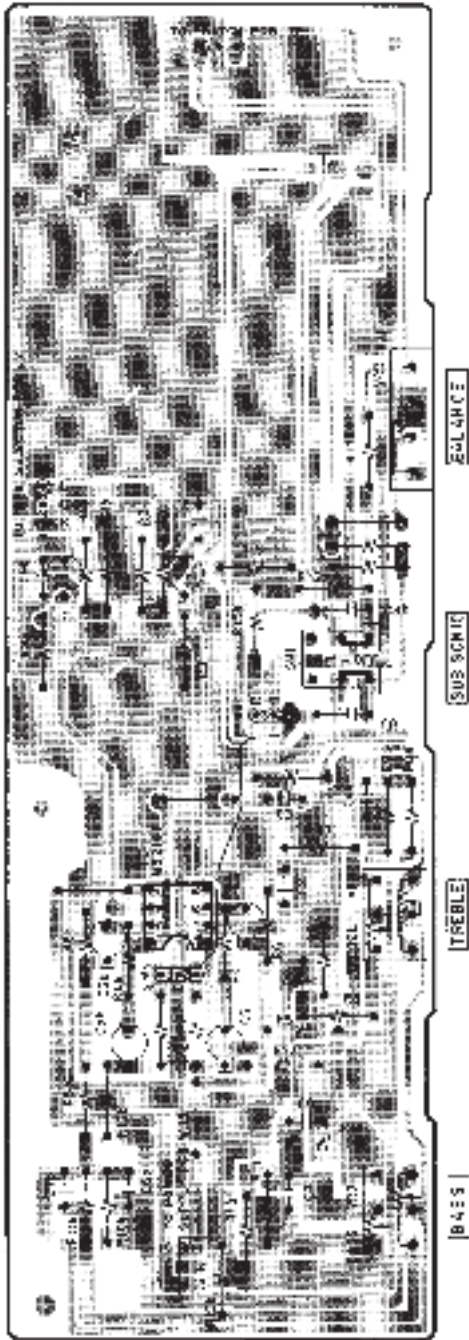
MAIN AMP PCB A2052A503A



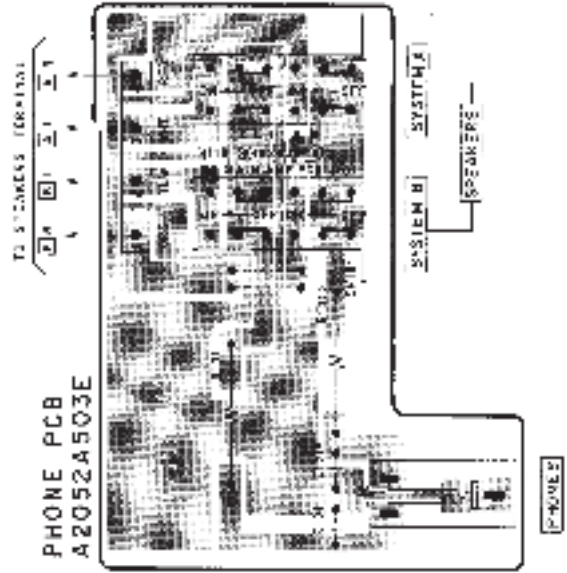
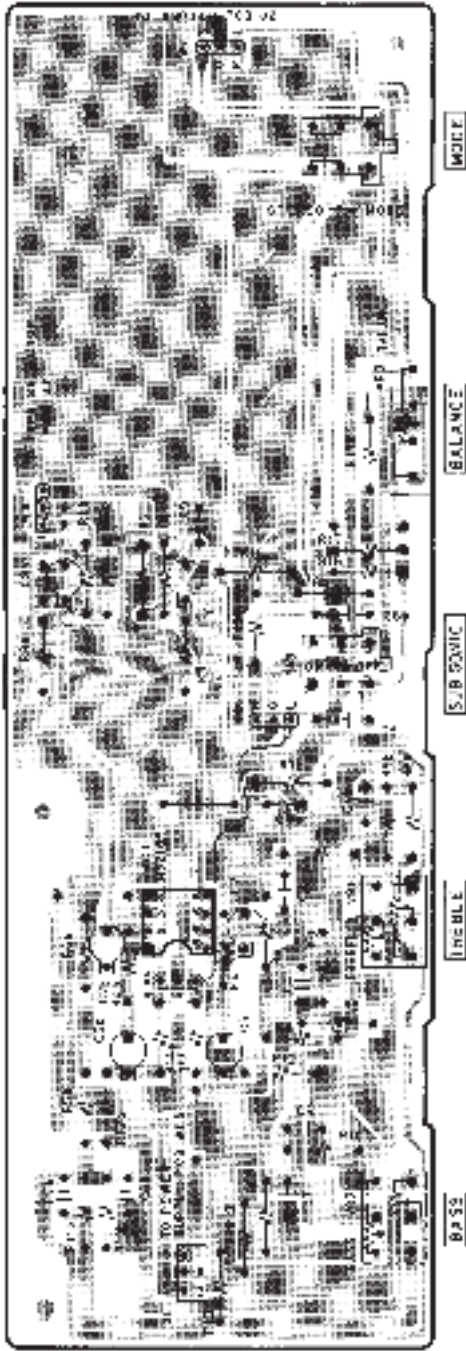
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- 25C398
- 25C399
- 25C400

CONSTRUCTION NOTES:
 1. ALL COMPONENTS TO BE MOUNTED ON THE REVERSE SIDE OF THE BOARD.
 2. ALL COMPONENTS TO BE MOUNTED ON THE BOARD.
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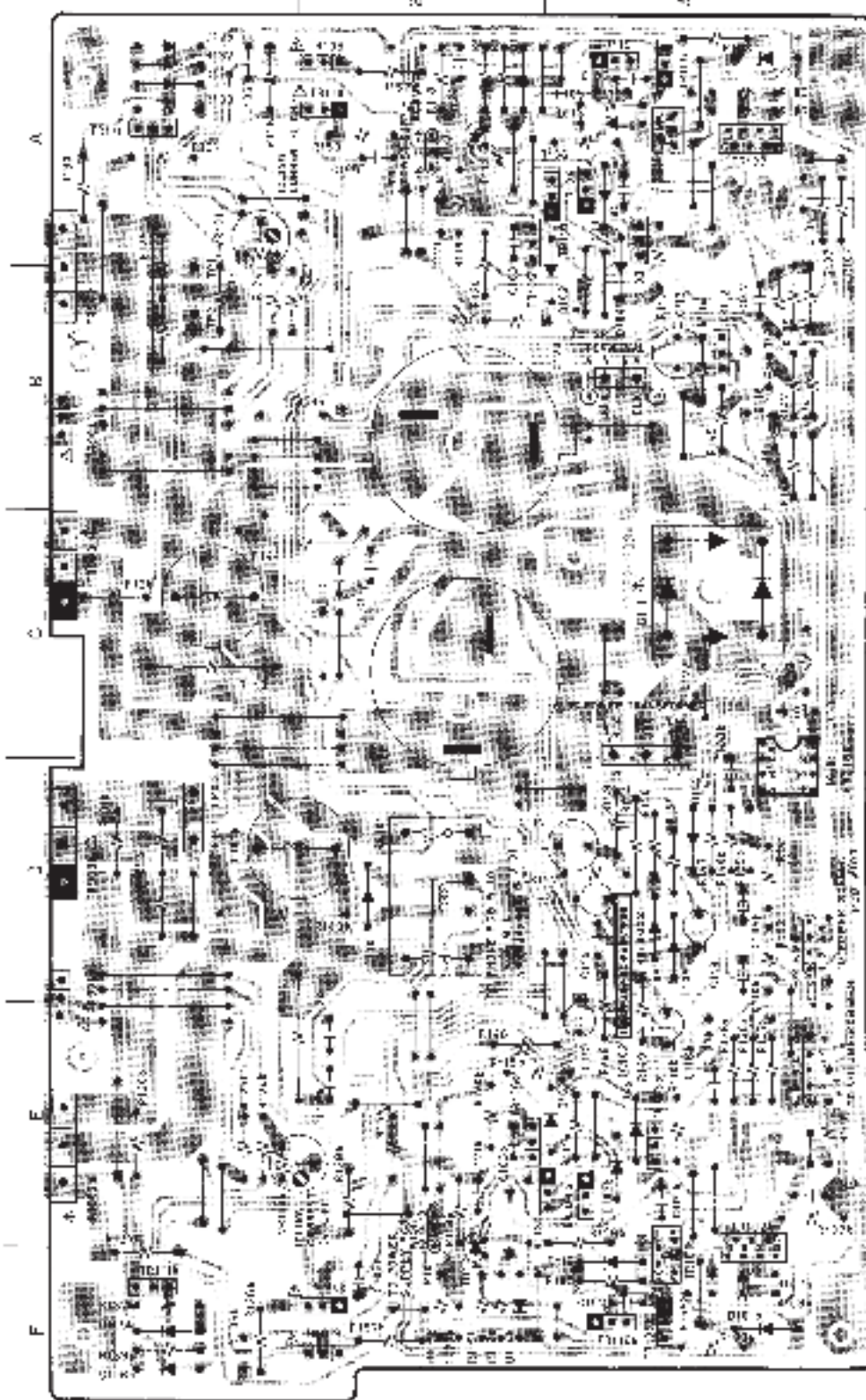
PRE AMP PCB A2052A502A



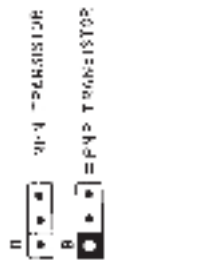
PRE AMP PCB A2052A502A



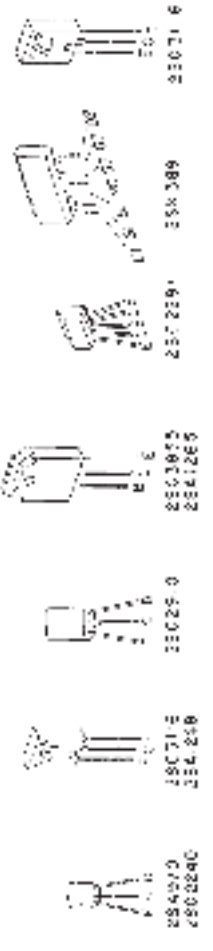
MANUAL TRANSMITTER UNIT, COMMUNICATIONS ENGINEERING CENTER
PHOTOGRAPHED BY THE COMMUNICATIONS CENTER OF THE ARMY
FOR THE ARMY CENTER OF EXCELLENCE FOR ELECTRONIC WARFARE
65411 01/1987 (REV. 12/86) (MIL-STD-883C, METHOD 2000, CLASS B)
GPO : 1987 O-854-100-1000-0000-1



Part No.	QTY	Description
1-104	1	TRANSISTOR
1-105	2	RESISTOR
1-106	2	RESISTOR
1-107	2	RESISTOR
1-108	2	RESISTOR
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1-187	2	RESISTOR
1-188	2	RESISTOR
1-189	2	RESISTOR
1-190	2	RESISTOR
1-191	2	RESISTOR
1-192	2	RESISTOR
1-193	2	RESISTOR
1-194	2	RESISTOR
1-195	2	RESISTOR
1-196	2	RESISTOR
1-197	2	RESISTOR
1-198	2	RESISTOR
1-199	2	RESISTOR
1-200	2	RESISTOR



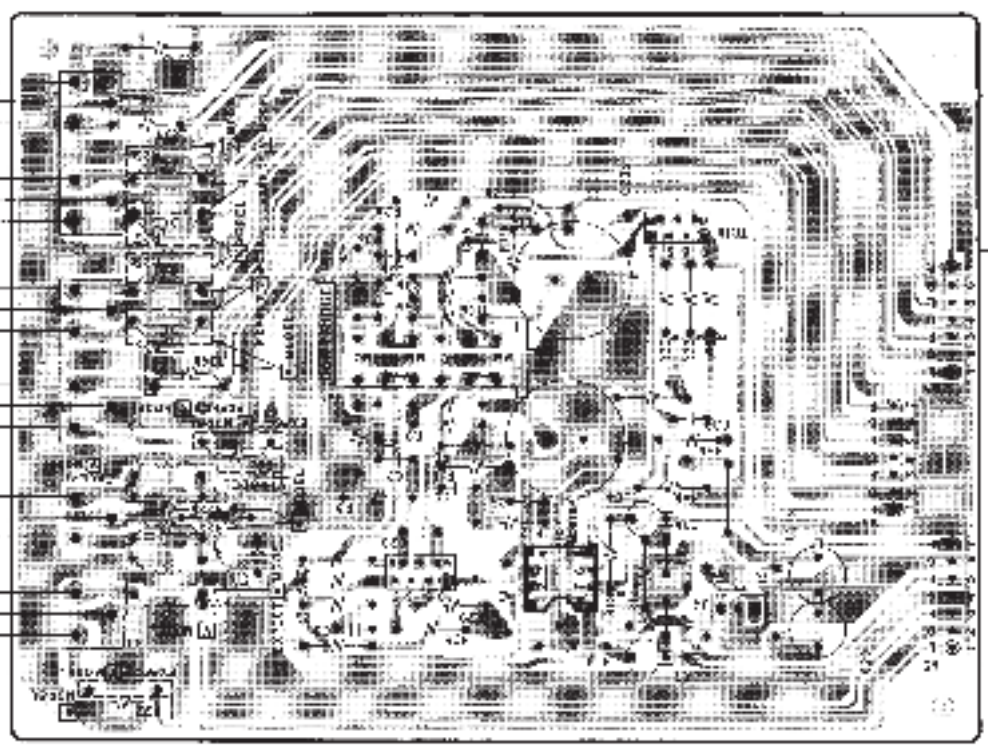
MAIN AMP PCB A2052A5D54



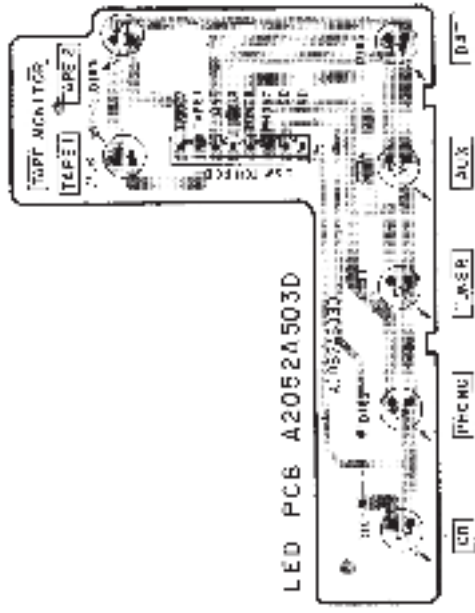


25K 789

PHONE PCB A2052A502C

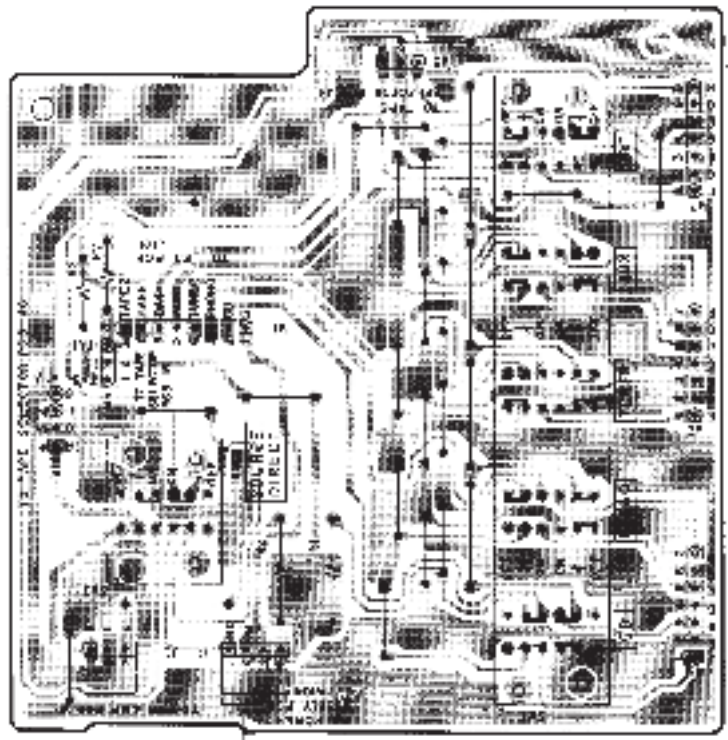


TO SP 101 720145 75 N7

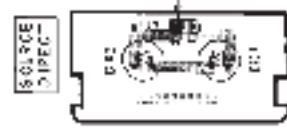


LED PCB A2052A503D

SWITCH PCB A2052A502D

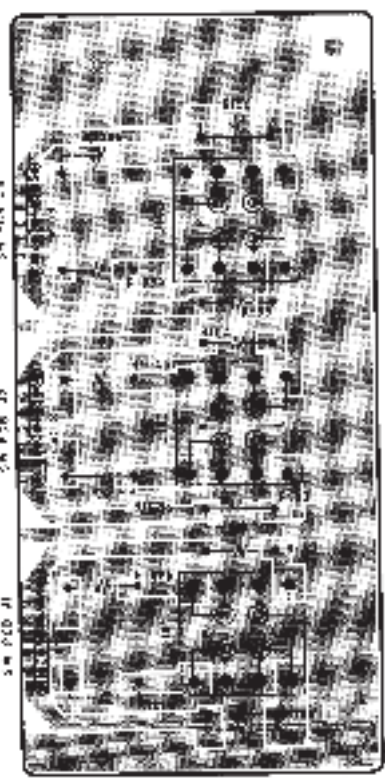


TO PHONO AMP PCB A2052A502C



SOURCE DIRECT
LEC PCB
A2052A503J

13 TAPE SELECTOR SW PCB A2052A503C
 TO TAPE BELLY SW
 SW PCB 21



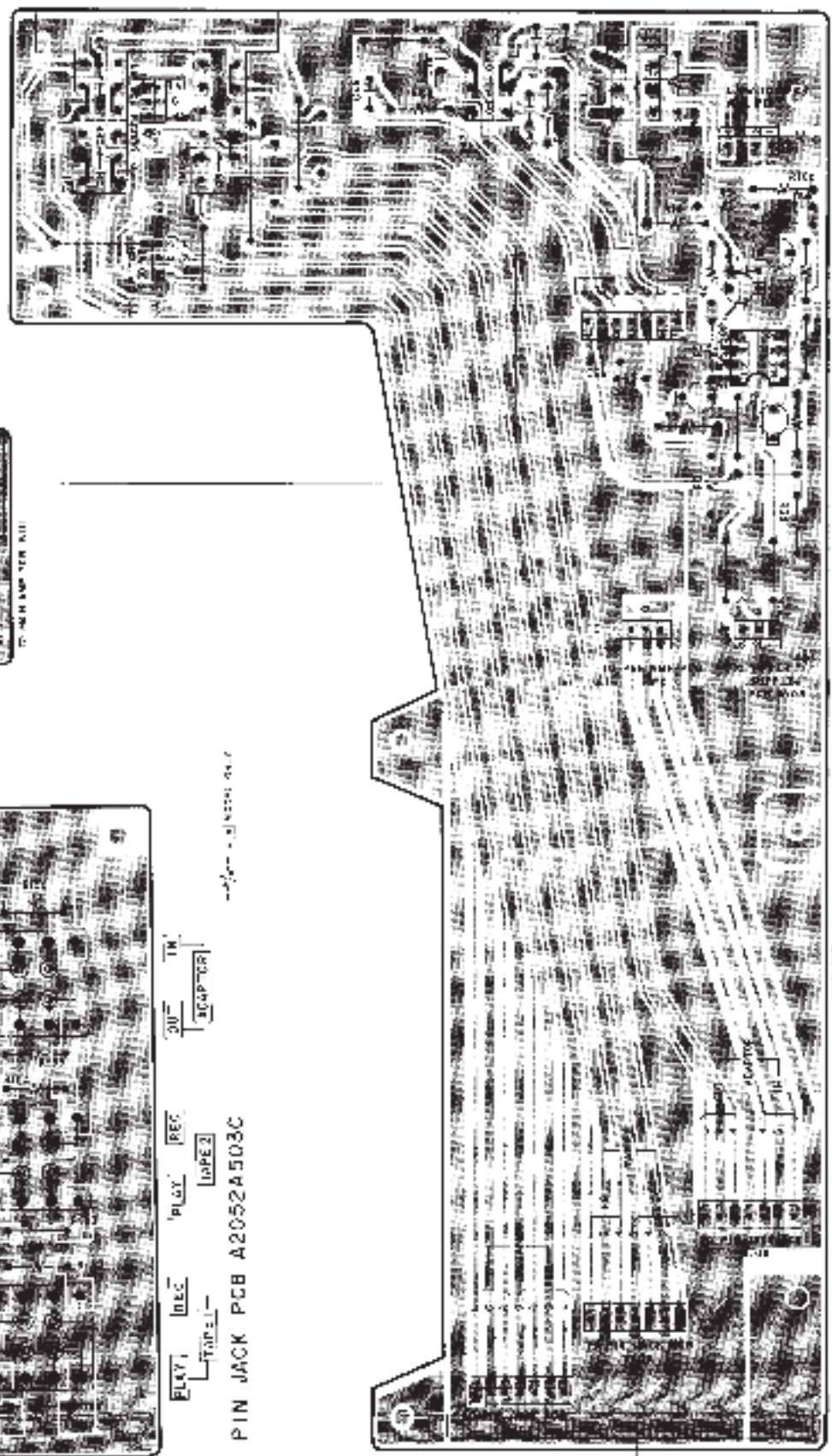
PLAY REC TAPE 1 TAPE 2
 STOP TR
 SCAP CR

PIN JACK PCB A2052A503C

VOLUME PCB A2052A503G



VOLUME



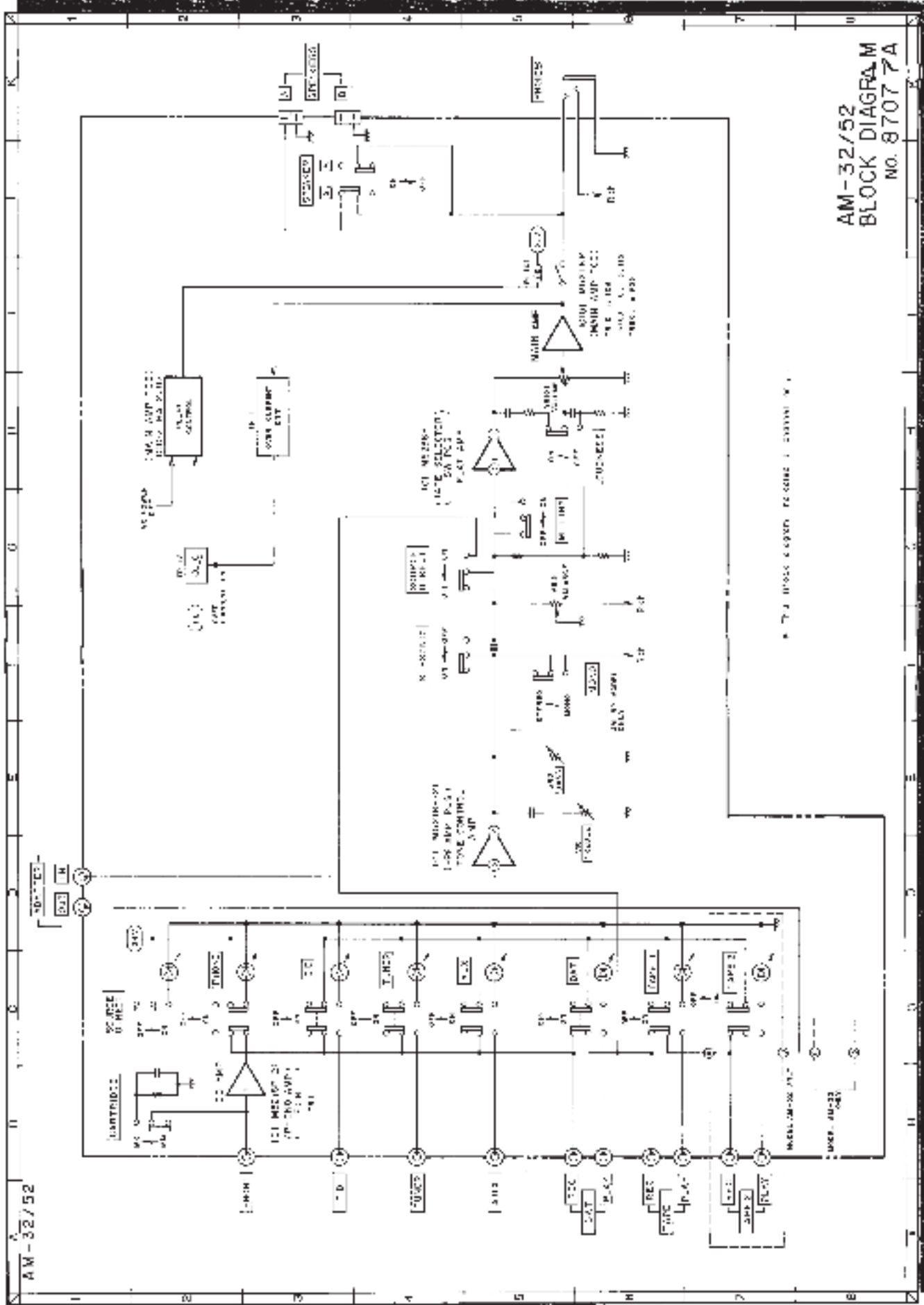
16-E MONITOR
 TAPE 1

TAPE 2

LOUDNESS

BATTING

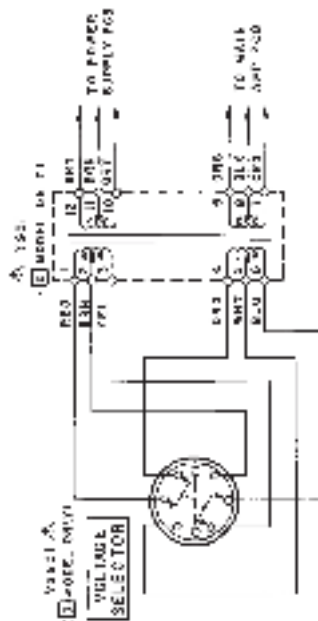
TAPE SELECTOR SW PCB A2052A502B



AM-32/52
BLOCK DIAGRAM
NO. 87077A



POWER SW PCB A2052A503H



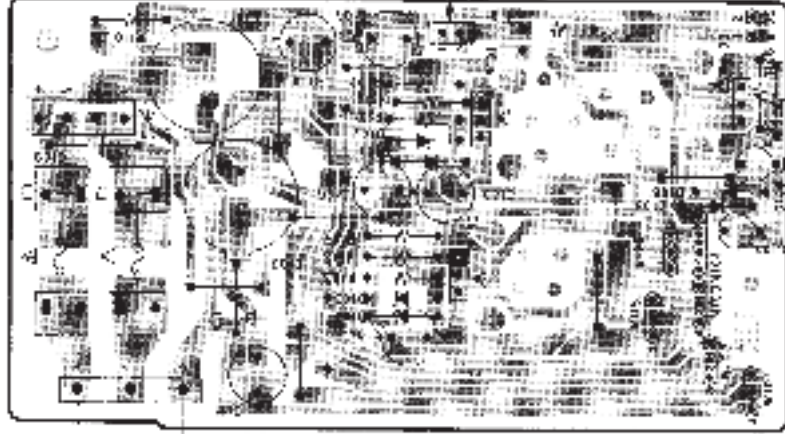
WARNING: ALWAYS USE SAFETY PRECAUTIONS WHEN WORKING ON THE POWER SUPPLY PCB. ALWAYS DISCONNECT THE POWER SUPPLY FROM THE MAIN POWER SOURCE BEFORE WORKING ON THE PCB. ALWAYS USE APPROPRIATE SAFETY EQUIPMENT. ALWAYS USE THE CORRECT TOOLS AND TECHNIQUES. ALWAYS USE THE CORRECT PARTS AND COMPONENTS. ALWAYS USE THE CORRECT WIRING DIAGRAM.



2SC2116
2501747

TR101---2SC2116
TR102---2501747
TR103---2SC2116

II
I = NPN TRANSISTOR
S = PNP TRANSISTOR

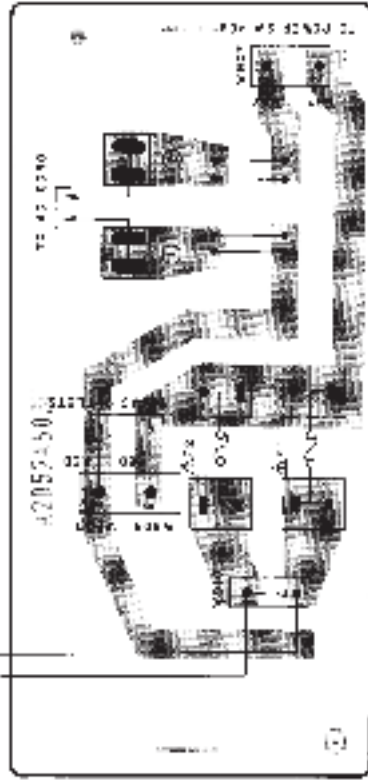


POWER SUPPLY PCB A2052A503B

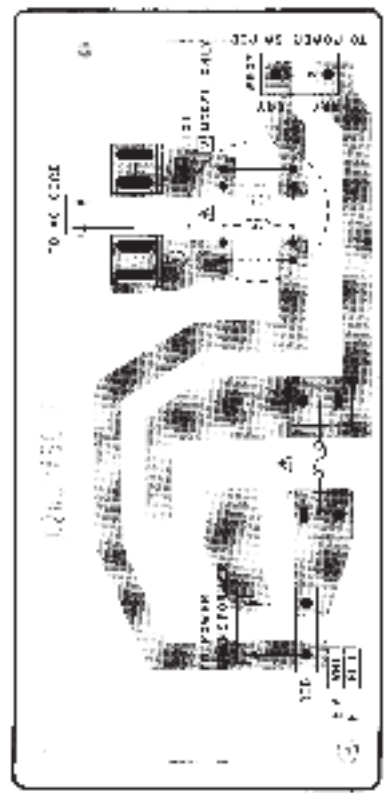
TO MAIN SUPPLY
A 24
TO TAPK AMP PCB
A 24
TO PWR AMP PCB
A 24
TO PWR AMP PCB
A 24



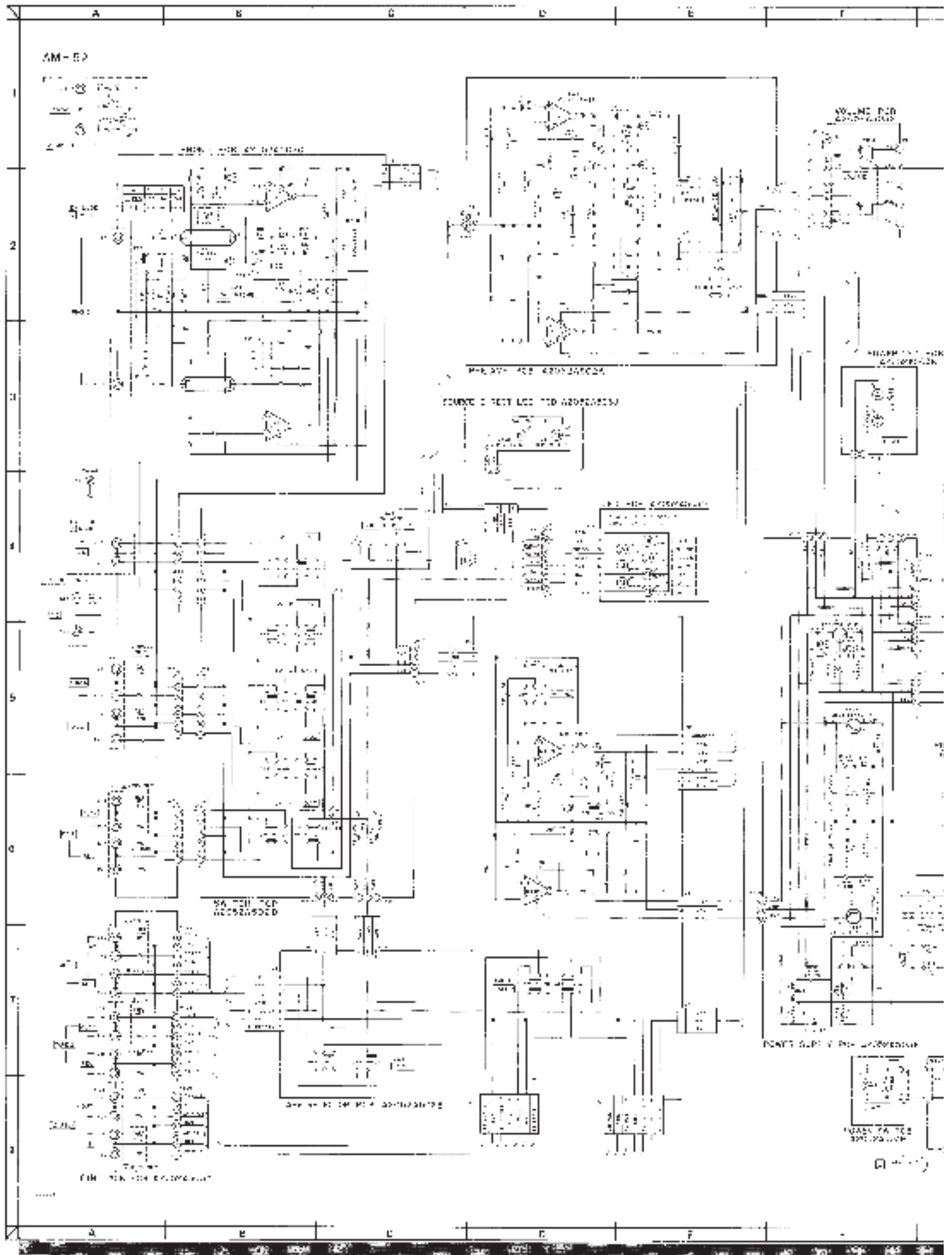
POWER LED PCB A2052A503K



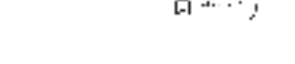
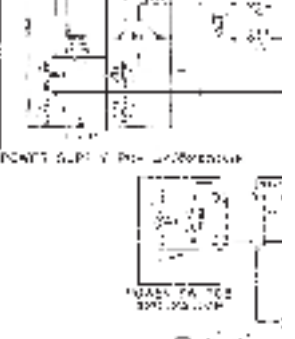
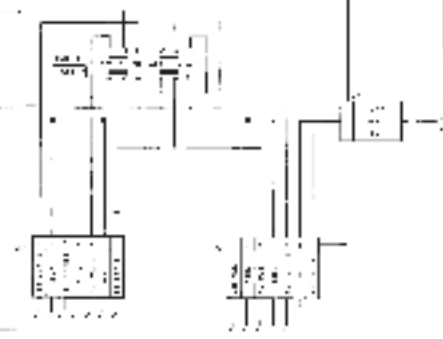
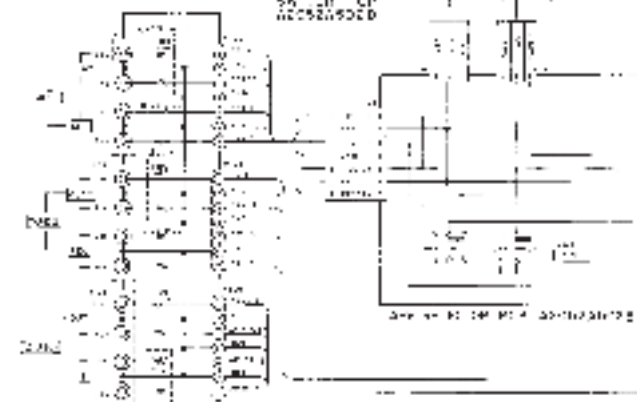
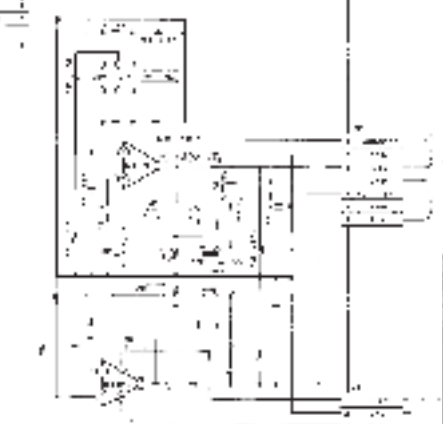
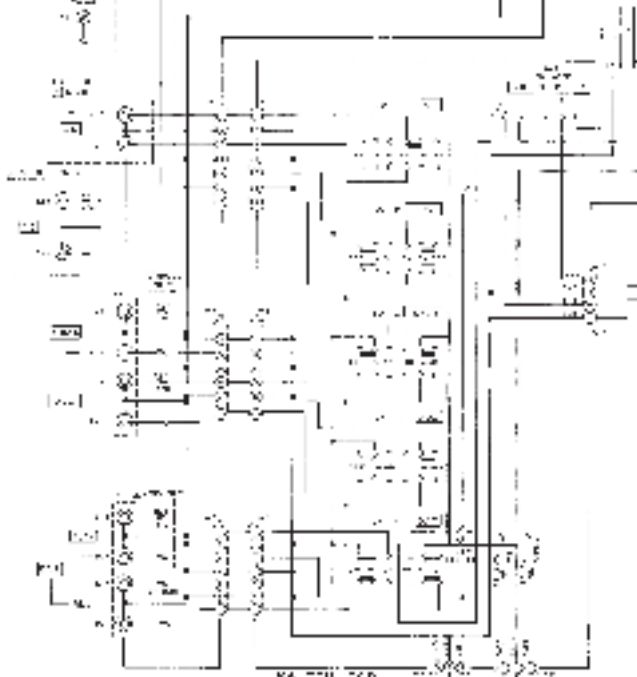
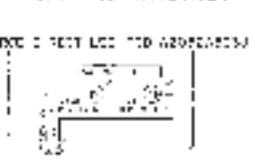
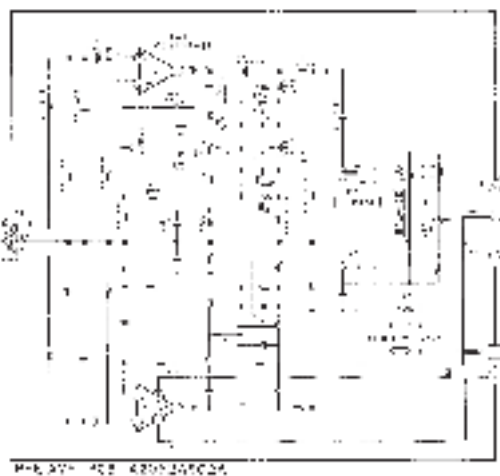
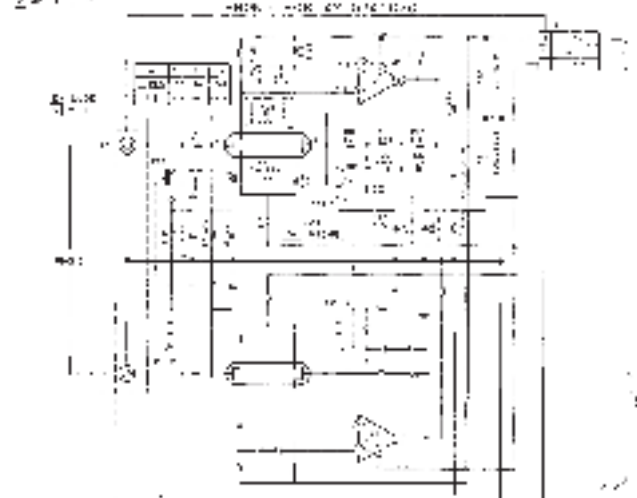
FUSE PCB (I) MODEL ONLY A2052A503F

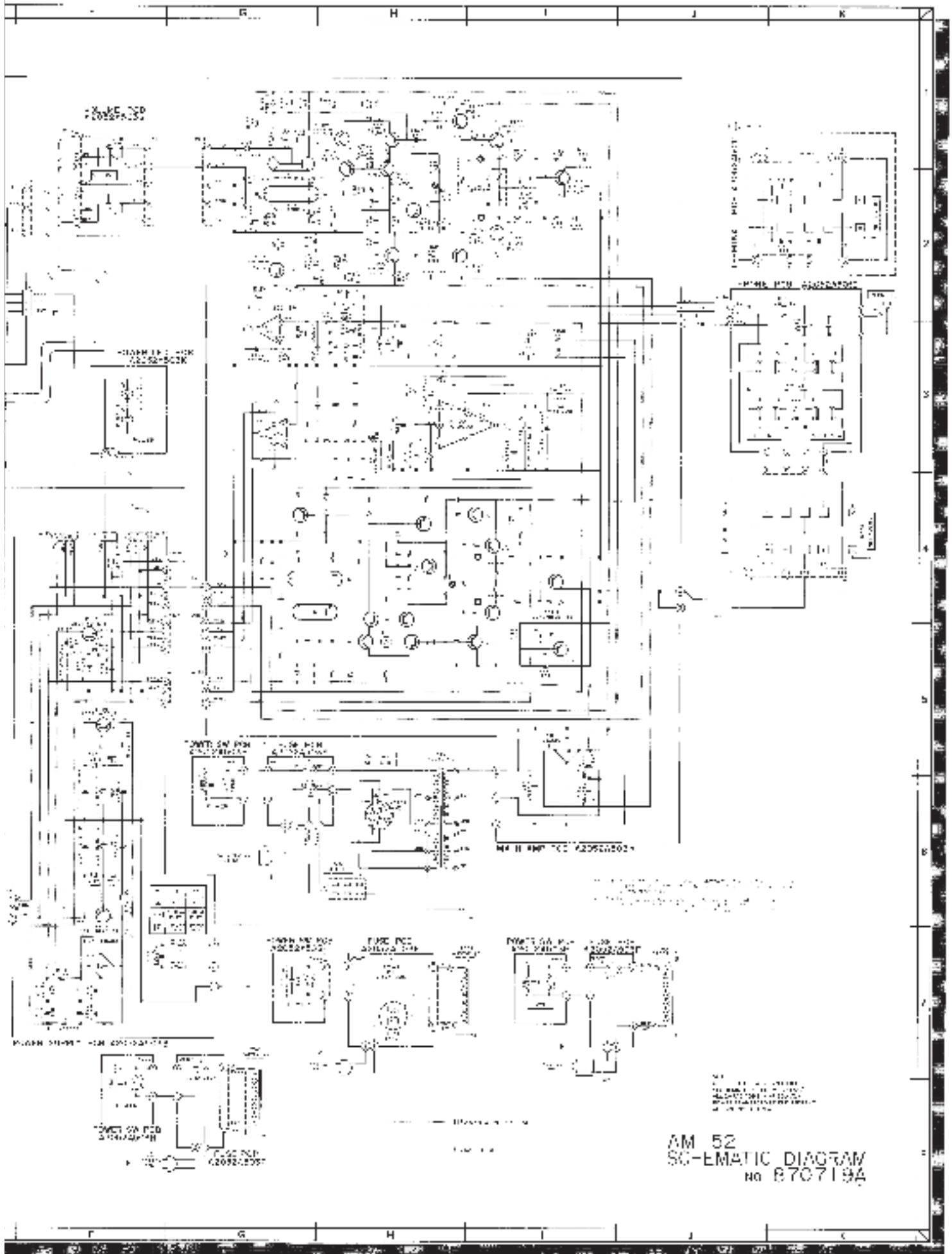


FUSE PCB (II) MODEL ONLY A2052A503F



SM-52





AM 52
SC-EMATIC DIAGRAM
No. 870719A