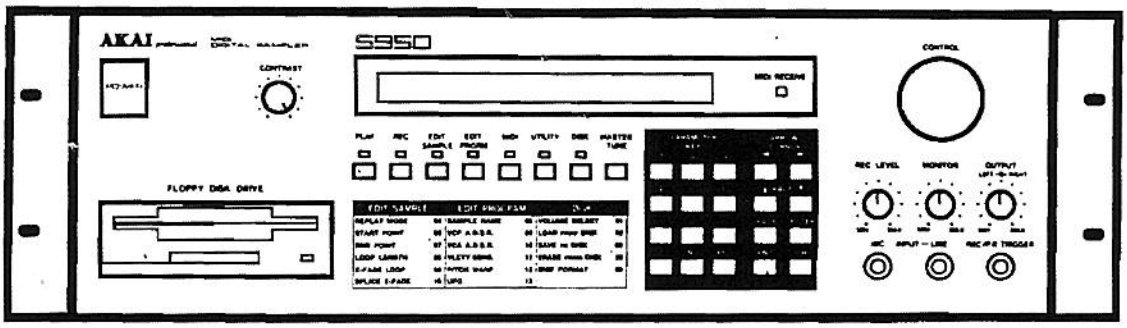
# AKAI SERVICE MANUAL

S-950




## MIDI DIGITAL SAMPLER

## MODEL S950

## SPECIFICATIONS

| | |
|---|---|
| System ..... | Digital sampling<br>Sampling frequncy : 7.5 kHz - 48kHz(MIN - MAX)<br>Sampling time : 63.35 sec - 9.79 sec (MIN - MAX)<br>Voice : 8 Voice<br>Range : 6 Octave |
| Storage ..... | Built-in FLOPPY DISK DRIVE<br>Memory capacity : 1 Mbytez(2DD)<br>Memory Medium : 3.5 inch MICRO FLOPPY DISK (2DD,2HD)<br>Internal memory: 750 K byte (Expansion memory is adaptable) |
| Multi sampling ..... | 99 |
| Edit ..... | Scanning(ONE SHOT, LOOPING, ALTERNATING)<br>A.D.S.R(Velocity-Attack, Velocity Release)<br>Velocity switch<br>Positional cross fade<br>Time stretch<br>Pitch warp<br>LFO(delay rate, depth)<br>Filter(Key tracking, Velocity, A.D.S.R)<br>Sample merge |
| Communication .... | RS-232C or equivalent |
| External jack ..... | MIDI(IN, OUT, THRU)<br>Mic input × 1<br>Line input × 1<br>REC/PB trigger × 1<br>Line output × 8<br>Stereo output × 2 (L, R)<br>Mix output × 1<br>Voice output × 1 (13 PIN/DIN) |
| Dimensions ..... | 482.6(W) × 132.6(H) × 410(D) mm |
| Weight ..... | 10.8 kg |

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

# ★SAFETY INSTRUCTIONS

## PRECAUTIONS DURING SERVICING

1. Parts identified by the ⚠ (*) symbol 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 internal wiring. 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 turntable)
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 edged 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

After servicing, make measurements of leakage-current or resistance in order to determine that exposed parts are acceptably insulated from the supply circuit.
The leakage-current measurement should be done between accessible metal parts (such as chassis, ground terminal, microphone jacks, signal-input/output connectors, etc.) and the earth ground through a resister of 1500 ohms paralleled with a 0.15 μF capacitor, under the unit's normal working conditions. The leakage-current should be less than 0.5 mA rms AC.
The resistance measurement should be done between accessible exposed metal parts and power cord plug prongs with the power switch (if included) "ON". The resistance should be more than 2.2 Mohms.



(DANGER)



(RECOMMENDED WAY)

# ★INFORMATION

## SYMBOLS FOR PRIMARY DESTINATION

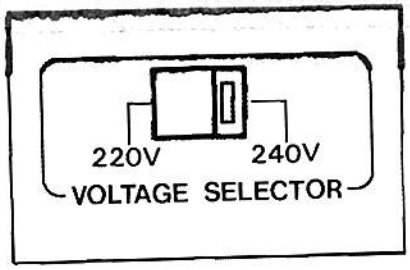
Alphabet indicates the destination of the units as listed below.

| Symbols | Principal Destinations |
|---|---|
| A | USA |
| B | UK |
| C | Canada |
| E | Europe (except UK) |
| J | Japan |
| S | Australia |
| V | W. Germany only |
| U | Universal Area |
| Y* | Custom version |

## VOLTAGE CONVERSION

**(E, V, B, S Model 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.**

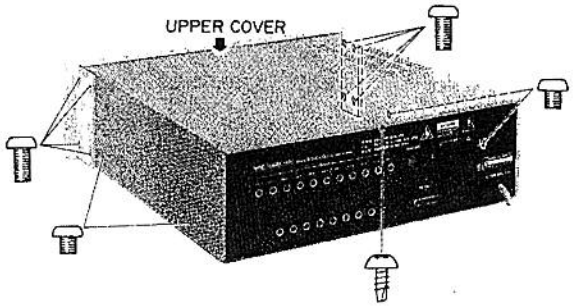


# I. DISASSEMBLY

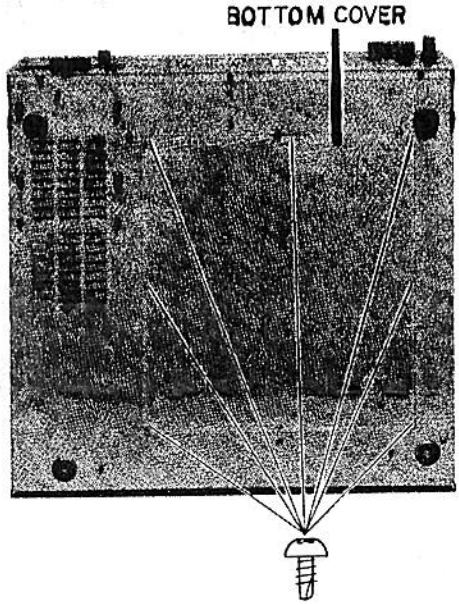
In case of trouble, etc. necessitating dismantling, please dismantle in the order shown in the photographs. Reassemble in the reverse order.

* Photographs employed on this page are of model S900.

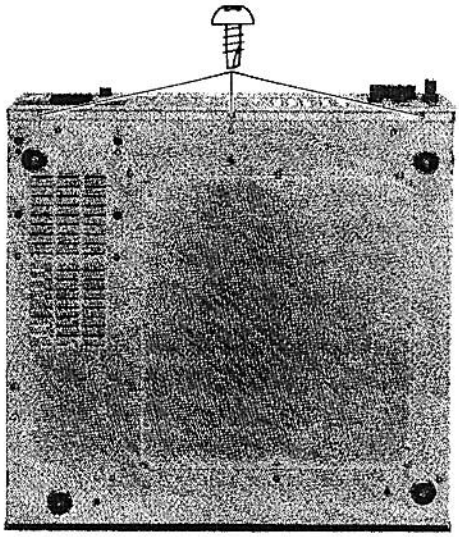
1.Removal of UPPER COVER

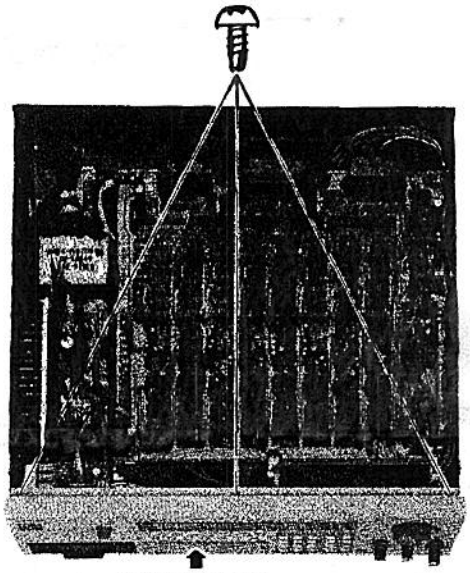



2.Removal of BOTTOM COVER




3.Removal of FRONT PANEL





# II. CONTROLS

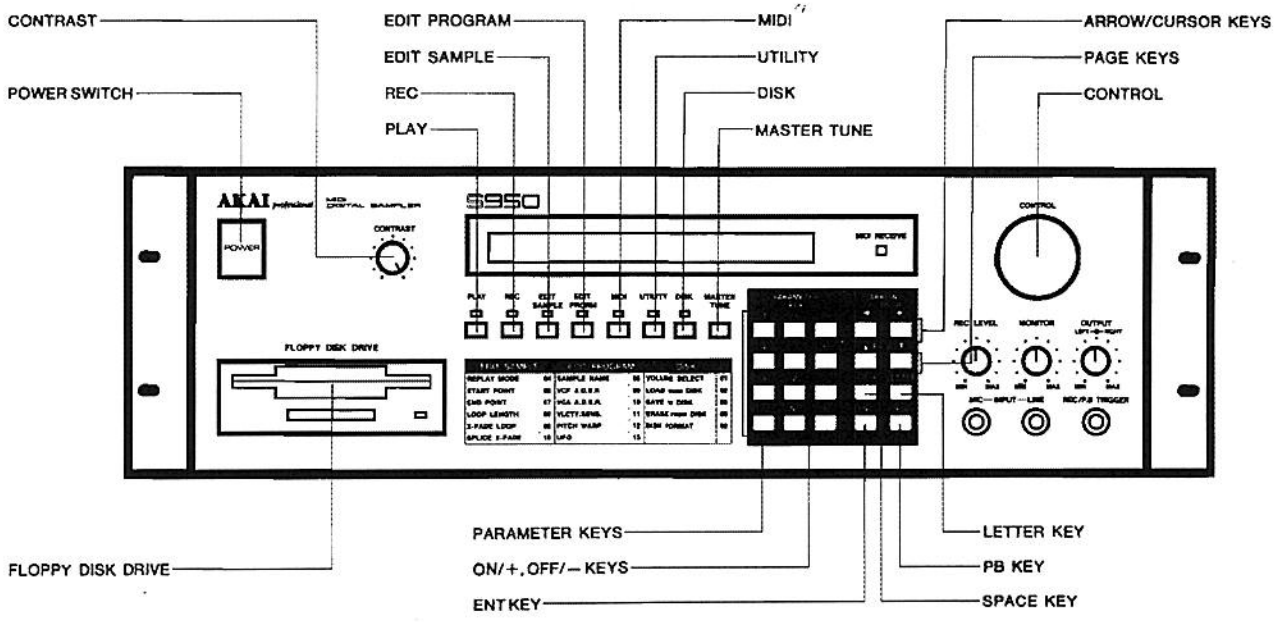



Fig. 2-1

# III. CONNECTIONS

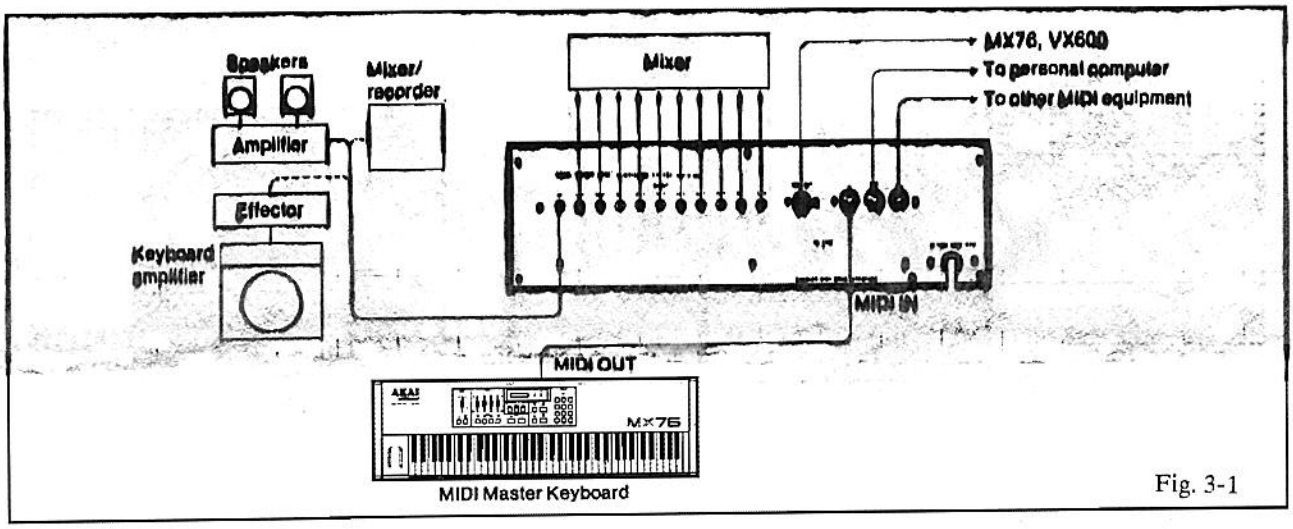



Fig. 3-1

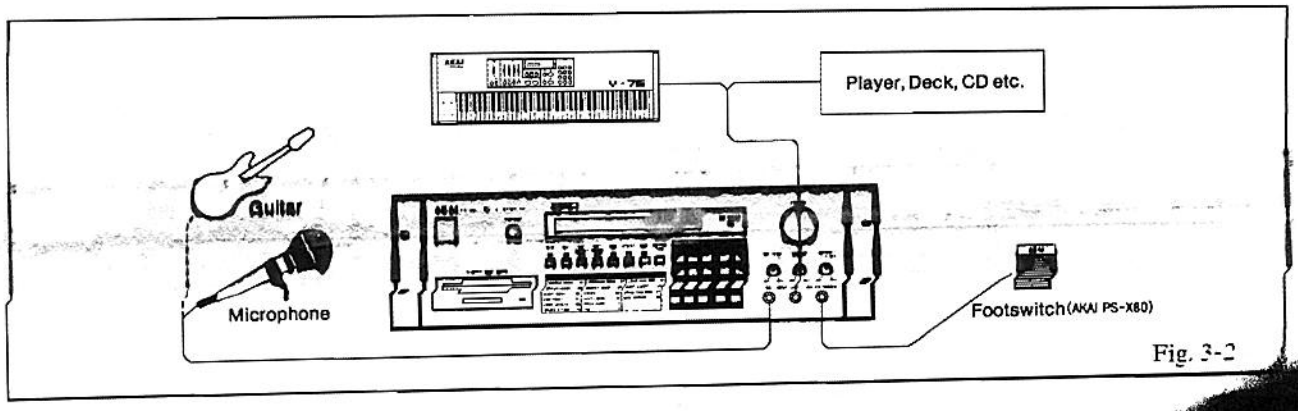



Fig. 3-2

# IV. PRINCIPAL PARTS LOCATION

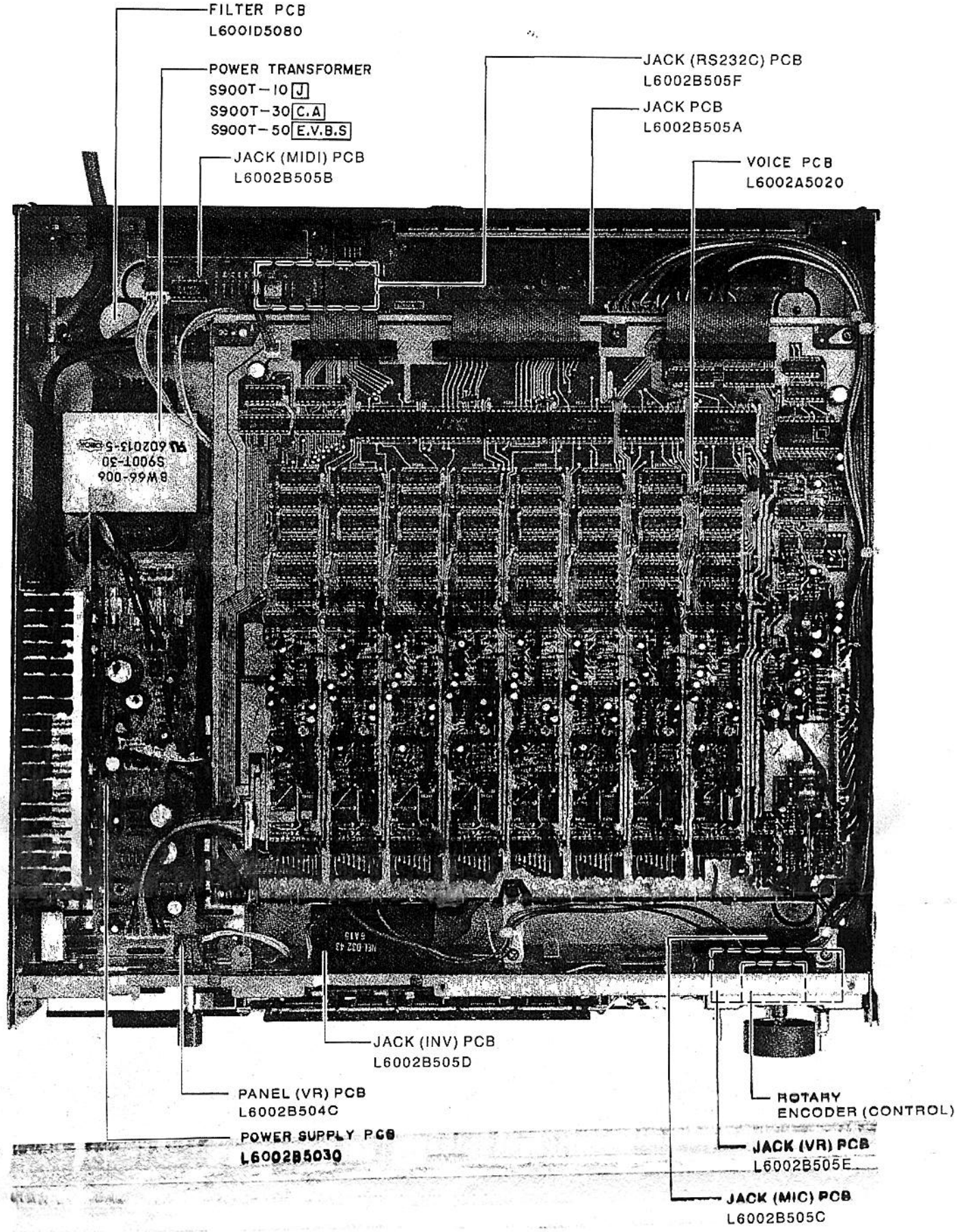



Fig. 4-1

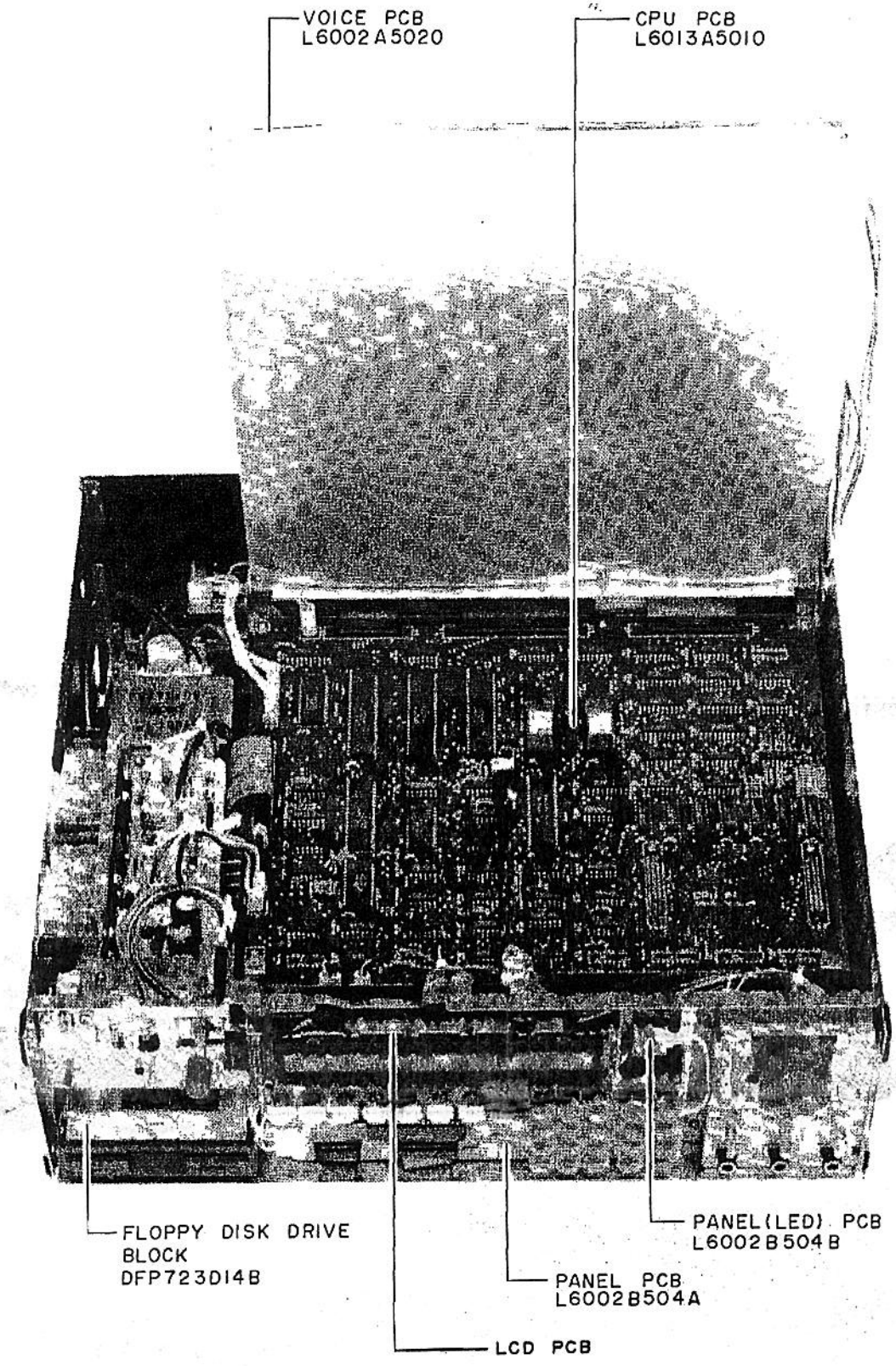

VOICE PCB
L6002A5020
CPU PCB
L6013A5010
FLOPPY DISK DRIVE
BLOCK
DFP723D14B
PANEL (LED) PCB
L6002B504B
PANEL PCB
L6002B504A
LCD PCB

Fig. 4-2

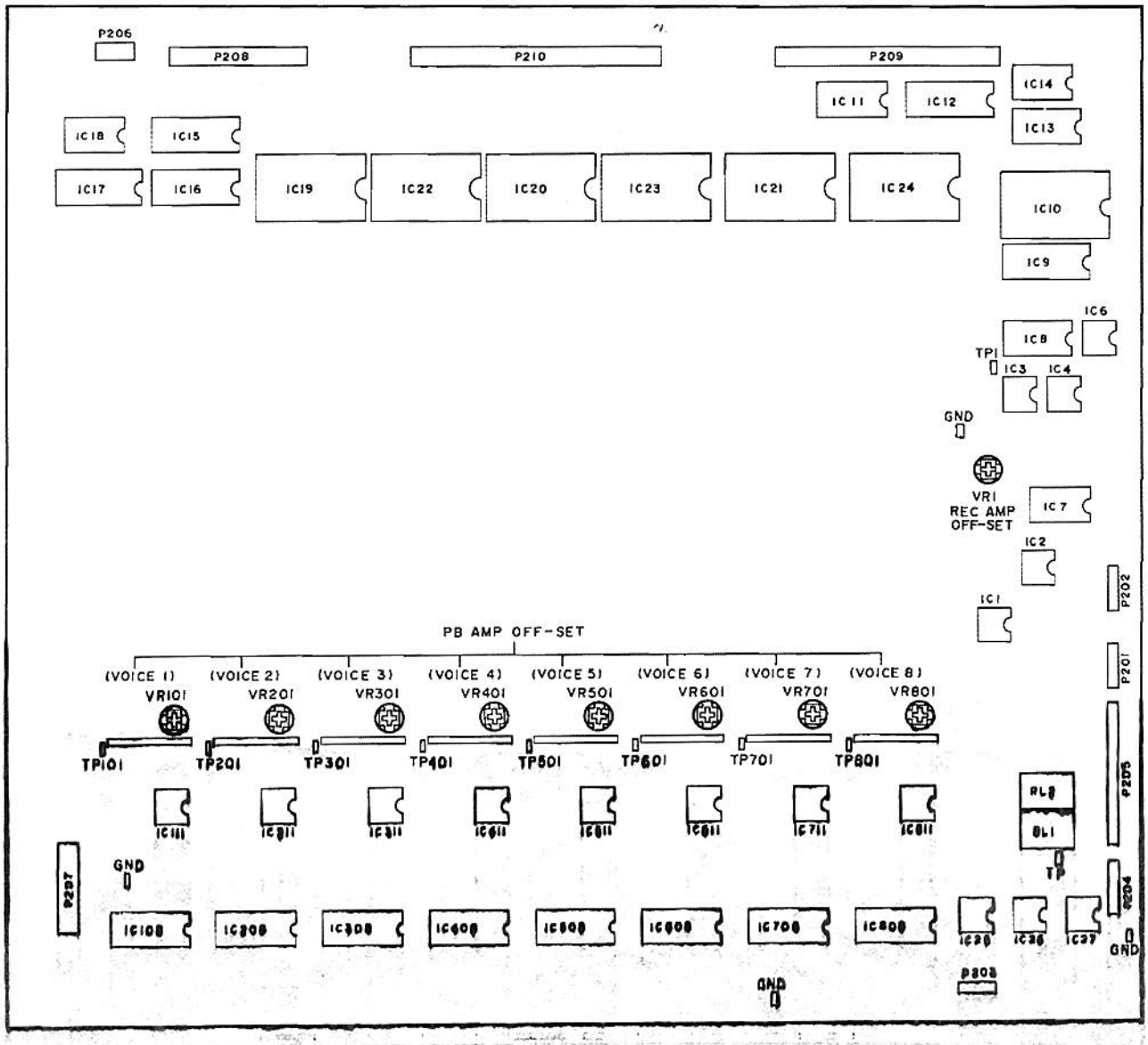



Fig. 5-1 Adjustment points of VOICE PCB

## 5-1. ADJUSTMENT OF REC AMP OFF-SET

1) Connect the digital DC voltmeter between TP1(REC AMP OFF-SET) and TP(GND).
2) Adjust VR1(REC AMP OFF-SET) so that the reading on the digital DC voltmeter is DC 0 ± 1mV.

## 5-2. ADJUSTMENT OF PB AMP OFF-SET

1) Connect the digital DC voltmeter between TP101(PB AMP OFF-SET) and TP(GND).
2) Set the REC LEVEL control to "MIN" position, and record with no signal input condition.
3) After recording, read the voltage on the digital DC voltmeter, then push the PB button on the front panel and read the voltage again.
4) Adjust VR101(VOICE 1 PB AMP OFF-SET) so that the both reading voltages are equal or the voltage difference is within ± 5 mV.
5) Adjust VR201(VOICE 2 PB AMP OFF-SET) to VR801(VOICE 8 PB AMP OFF-SET) as same maner as 1 to 4).

[MIDI DIGITAL SAMPLER]

Model S950 MIDI Implementation Chart Version : 1.0

| Function... | Transmitted | Recognized | Remarks |
|---|---|---|---|
| Basic Default | × | 1 | Without Disk |
| Channel Changed | × | 1-16 | Memorized(Disk) |
| Default | × | Mode 1 | Without Disk |
| Mode | | Mode1 - 4 | Memorized(Disk) |
| Messages | × | Omni on/off, P/M | |
| Altered | ********** | × | |
| Note | × | 0 - 127 | |
| Number : True voice | ********** | 24 - 96 | |
| Velocity Note ON | × | O 9n V=1 - 127 | |
| Note OFF | × | O 9n V=0 or 8n V=0 - 127 | Used Velocity release |
| After Key's | × | × | |
| Touch Ch's | × | O | |
| Pitch Bender | × | O | 0 - 2: Half tone step (7 bit) |
| Control Change 1 | × | O | Modulation wheel |
| 64 | × | O | Damper pedal |
| Prog Change : True# | ********** | 1 - 127 1 - 127 | by preset number value |
| System Exclusive | O | O | ID : 47 |
| System : Song Pos | × | × | |
| : Song Sel | × | × | |
| Common : Tune | × | × | |
| System : Clock | × | × | |
| Real time : Commands | × | × | |
| Aux : Local ON/OFF | × | × | |
| : All Notes OFF | × | O (123) | |
| Messages : Active Sense | × | × | |
| : Reset | × | × | |
| Notes | | | |

Mode 1 : OMNI ON, POLY
Mode 2 : OMNI ON, MONO
Mode 3 : OMNI OFF, POLY
Mode 4 : OMNI OFF, MONO

O : Yes
× : No

**ATTENTION**

1. When placing an order for parts, be sure to list Part No., Model No. and the description of eachpart. 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 Preliminary 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

**2. HEAD BASE BLOCK**

| REF. NO. | PART NO. | DESCRIPTION |
|---|---|---|
| 1 | BH-T2023A320A | HEAD BASE BLOCK |
| 2 | HP-H2206A010A | HEAD R/P PR4-8FU C |
| 3 | ZS-477876 | PAN20×03STL CMT |
| 4 | ZS-536488 | BID20×08STL CMT |
| 5 | ZQ-402895 | SP CS ANGLE ADJUST |

SP (Service Parts) Classification

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

b) PC Board

**6. MAIN PC BOARD**

| REF. NO. | PART NO. | DESCRIPTION |
|---|---|---|
| IC1 | EI-324536 | IC HD14049BP |
| IC2 | EI-336801 | IC MB8841-564M |
| C1A | EC-338399 | C MMY V 223M 250AC [U,E,B,S] |
| C1B | EC-350949 | C MMY V 223M 250DC [J] |
| C1C | EC-338397 | C MMY V 223M 125AC [C,A] |
| X1 | EI-318384 | OSC X'TAL NC-18C |

Symbols for primary destination

| | |
|---|---|
| [A] : AAL (U.S.A) | [S] : SAA (Australia) |
| [B] : BEAB (England) | [U] : U/T (Universa Area) |
| [C] : CSA (Canada) | |
| [E] : CEE (Europe) | [V] : VDE (W. Germany) |
| [J] : JPN (Janan) | [Y] : Custom Version |

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**

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

**AVERTISSEMENT**

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

## 1. RECOMMENDED SPARE PARTS

We suggest you to stock the following Recommended Spare Part items listed below since they can cover most of the routine service.

| Ref. No. | Part No. | Description |
|---|---|---|
| 1 | BB-389042J | FLOPPY DISK DFP723D14B |
| 2 | *BT-365907 | TRANS POWER S900T-10(J) [J] |
| 3 | *BT-365908 | TRANS POWER S900T-30(A,C) [A,C,Y1] |
| 4 | *BT-365909 | TRANS POWER S900T-50(E,V,B,S) [E,V,B,S] |
| 5 | ED-364261 | D LED SLP-981C-50 |
| 6 | *ED-365819 | D SILICON CTU-12R 200/ 6.0A |
| 7 | *ED-365818 | D SILICON CTU-12S 200/ 6.0A |
| 8 | *ED-330319 | D SILICON DBA10B 100/1.0A |
| 9 | *ED-357038 | D SILICON DBB10B 100/1.0A |
| 10 | ED-301911 | D SILICON H DS448 |
| 11 | ED-370990 | D SILICON 1SR35-100AHS F10 |
| 12 | *ED-346617 | D ZENER H HZ12 C2 |
| 13 | *EF-355226 | FUSE BET T 250V 1.00A [B] |
| 14 | *EF-359225 | FUSE BET T 250V 3.15A [B] |
| 15 | *EF-358974 | FUSE BET T 250V 630MA [B] |
| 16 | *EF-358641 | FUSE BET T 250V 800MA [B] |
| 17 | *EF-623103 | FUSE SEMKO T 250V 1.00A [E,V,S] |
| 18 | *EF-691007 | FUSE SEMKO T 250V 3.15A [E,V,S] |
| 19 | *EF-601942 | FUSE SEMKO T 250V 630MA [E,V,S] |
| 20 | *EF-258344 | FUSE SEMKO T 250V 800MA [E,V,S] |
| 21 | *EF-306387 | FUSE TSC A 250V 1.00A [J] |
| 22 | *EF-306951 | FUSE TSC A 250V 2.50A [J] |
| 23 | *EF-306952 | FUSE TSC A 250V 4.00A [J] |
| 24 | *EF-306124 | FUSE TSC A 250V 630MA [J] |
| 25 | *EF-310220 | FUSE TSC 125V 1.00A [C,A,Y1] |
| 26 | *EF-306954 | FUSE TSC 125V 2.00A [C,A,Y1] |
| 27 | *EF-306957 | FUSE TSC 125V 4.00A [C,A,Y1] |
| 28 | *EF-306703 | FUSE TSC 125V 630MA [C,A,Y1] |
| 29 | EH-347689 | COMP R EXB-P88 472K |
| 30 | EI-360049 | IC AM2504PC |
| 31 | EI-354283 | IC BA6110 |
| 32 | EI-390060 | IC BA9201 |
| 33 | EI-360050 | IC BA9221 |
| 34 | EI-389128J | IC CD74AC138E |
| 35 | EI-360045 | IC DG211CJ |
| 36 | EI-389049J | IC HD63B50P |
| 37 | EI-389061J | IC HD74AC04P |
| 38 | EI-389060J | IC HD74AC158P |
| 39 | EI-389050J | IC HD74AC32P |
| 40 | EI-388711J | IC HD74HC00P |
| 41 | EI-387934J | IC HD74HC04P |
| 42 | EI-388707J | IC HD74HC244P |
| 43 | EI-388712J | IC HD74HC245P |
| 44 | EI-388708J | IC HD74HC32P |
| 45 | EI-365808 | IC HD75188P |
| 46 | EI-365805 | IC HD75189P |
| 47 | EI-360054 | IC IR9311 |
| 48 | EI-367571 | IC LA6358T |
| 49 | EI-378295 | IC MBM27C256-15CZ-G |
| 50 | EI-378218 | IC MB81C4256-10-G |
| 51 | EI-372103 | IC MB89254 |
| 52 | EI-360058 | IC MF6CN-50 |
| 53 | EI-375346 | IC MM74HCO4N |
| 54 | EI-375347 | IC MM74HC14N |
| 55 | EI-375345 | IC MM74HC373N |
| 56 | EI-360043 | IC M5220P |
| 57 | *EI-348123 | IC M5230L |
| 58 | EI-362588 | IC M5238P |
| 59 | *EI-365822 | IC NJM78M06A |
| 60 | *EI-365823 | IC NJM79M06A |
| 61 | EI-365798 | IC SED9420CAC |
| 62 | EI-310044 | IC SN74LS05N |
| 63 | *EI-365820 | IC STR9005 |
| 64 | *EI-347758 | IC TA78012AP |
| 65 | EI-360038 | IC TC74HC02P |
| 66 | EI-360039 | IC TC74HC08P |
| 67 | EI-365846 | IC TC74HC109P |
| 68 | EI-360025 | IC TC74HC138P |
| 69 | EI-356049 | IC TC74HC139P |
| 70 | EI-372578 | IC TC74HC153P |
| 71 | EI-365840 | IC TC74HC155P |
| 72 | EI-360035 | IC TC74HC157P |
| 73 | EI-360048 | IC TC74HC173P |
| 74 | EI-360054 | IC TC74HC174P |
| 75 | EI-360053 | IC TC74HC175P |
| 76 | EI-365802 | IC TC74HC191P |
| 77 | EI-365101 | IC TC74HC195P |
| 78 | EI-365801 | IC TC74HC257P |
| 79 | EI-360042 | IC TC74HC259P |
| 80 | EI-384782J | IC TC74HC365P |
| 81 | EI-360047 | IC TC74HC374P |
| 82 | EI-365831 | IC TC74HC393P |
| 83 | EI-365803 | IC TC74HC4002P |
| 84 | EI-365830 | IC TC74HC670P |
| 85 | EI-360027 | IC TC74HC86P |
| 86 | EI-365829 | IC UPC812C-AK |
| 87 | EI-365792 | IC UPD70116C-8 |
| 88 | EI-365793 | IC UPD71011C |
| 89 | EI-365813 | IC UPD71055C |
| 90 | EI-365795 | IC UPD71059C |
| 91 | EI-365794 | IC UPD71071C |
| 92 | EI-378275 | IC UPD72066C |
| 93 | EI-354146 | IC UPD8253C-2 |
| 94 | EI-365811 | OSC X'TAL NR16 16.000MHZ |
| 95 | EM-365844 | IND LCD DMC40218UE (INC. PCB) |
| 96 | EQ-360068 | COIL LF LF-2 B |
| 97 | *ER-324185 | R CB H S10 FS RDS 1/4W 221J |
| 98 | *ER-326109 | R FUSE H S10 ERD2FC 1/4W 22R0G |
| 99 | *ER-356747 | R OMF H S15 FS 1W 820J |
| 100 | ES-365943 | SW EWT-XDFK2550B (J,E,V,B,S) |
| 101 | *ES-307402 | SW PUSH SDDLD1 01-1 |
| 102 | *ES-306430 | SW SLIDE J-S4013#01 01-2 [E,V,B,S] |
| 103 | ES-365851 | SW TACT SPPQ19 |
| 104 | ET-354167 | DETECTOR PC900V |
| 105 | ET-353899 | TR 2SA1317 S,T,U |
| 106 | *ET-356817 | TR 2SB891 Q,R |
| 107 | ET-360137 | TR 2SC3330 U,V F05 |
| 108 | *ET-354083 | TR 2SD1189 Q,R |
| 109 | EV-389054J | VR ROTARY RK1612221 B103X2 |
| 110 | EV-389052J | VR ROTARY RK1631110 A103 |
| 111 | EV-389053J | VR ROTARY RK1631110 B103 |
| 112 | EV-365817 | VR ROTARY 16P10X2G |
| 113 | VT-365945 | MULTI BLK INVERTER NEL-D32-45 |

## 2. PC BORAD BLOCK

| Ref. No. | Part No. | Description |
|---|---|---|
| 1 | BA-L6002A050B | PC VOICE BLK S950 |
| 2 | BA-L6013A040A | PC CPU BLK S950 |
| 3 | BA-L6002A020A | PC(#) PANEL BLK S900 |
| 4 | BA-L6002A080B | PC(#) JACK BLK S950 |
| 5 | BA-L6002A060A | POWER BLK S900 |

## 3. VOICE P.C BOARD

| Ref. No. | Part No. | Description |
|---|---|---|
| D1 | ED-301911 | D SILICON H DS448 |
| D2 | ED-370990 | D SILICON 1SR35-100AHS F10 |
| IC1 | EI-360043 | IC M5220P |
| IC2 | EI-362588 | IC M5238P |
| IC3 | EI-362588 | IC M5238P |
| IC4 | EI-365829 | IC UPC812C-AK |
| IC6 | EI-360954 | IC IR9311 |
| IC7 | EI-360058 | IC MF6CN-50 |
| IC8 | EI-360045 | IC DG211CJ |
| IC9 | EI-360050 | IC BA9221 |
| IC10 | EI-360049 | IC AM2504PC |
| IC11 | EI-360048 | IC TC74HC173P |
| IC12 | EI-360047 | IC TC74HC374P |
| IC13 | EI-365846 | IC TC74HC109P |
| IC14 | EI-360038 | IC TC74HC02P |
| IC15 | EI-360047 | IC TC74HC374P |
| IC16 | EI-360047 | IC TC74HC374P |
| IC17 | EI-388707J | IC HD74HC244P |
| IC18 | EI-375346 | IC MM74HCO4N |
| IC19 | EI-372103 | IC MB89254 |
| IC20 | EI-372103 | IC MB89254 |
| IC21 | EI-372103 | IC MB89254 |
| IC22 | EI-354146 | IC UPD8253C-2 |
| IC23 | EI-354146 | IC UPD8253C-2 |
| IC24 | EI-354146 | IC UPD8253C-2 |
| IC25 | EI-362588 | IC M5238P |
| IC26 | EI-362588 | IC M5238P |
| IC27 | EI-362588 | IC M5238P |
| IC101 | EI-365830 | IC TC74HC670P |
| IC102 | EI-365830 | IC TC74HC670P |
| IC103 | EI-365830 | IC TC74HC670P |
| IC104 | EI-365831 | IC TC74HC393P |
| IC105 | EI-360038 | IC TC74HC02P |
| IC106 | EI-360027 | IC TC74HC86P |
| IC107 | EI-360050 | IC BA9221 |
| IC108 | EI-390060 | IC BA9201 |
| IC109 | EI-360058 | IC MF6CN-50 |
| IC110 | EI-354283 | IC BA6110 |
| IC111 | EI-367571 | IC LA6358T |
| IC201 | EI-365830 | IC TC74HC670P |
| IC202 | EI-365830 | IC TC74HC670P |
| IC203 | EI-365830 | IC TC74HC670P |
| IC204 | EI-365831 | IC TC74HC393P |
| IC205 | EI-360038 | IC TC74HC02P |
| IC206 | EI-360027 | IC TC74HC86P |
| IC207 | EI-360050 | IC BA9221 |
| IC208 | EI-390060 | IC BA9201 |
| IC209 | EI-360058 | IC MF6CN-50 |
| IC210 | EI-354283 | IC BA6110 |
| IC211 | EI-367571 | IC LA6358T |
| IC301 | EI-365830 | IC TC74HC670P |
| IC302 | EI-365830 | IC TC74HC670P |
| IC303 | EI-365830 | IC TC74HC670P |
| IC304 | EI-365831 | IC TC74HC393P |
| IC305 | EI-360038 | IC TC74HC02P |
| IC306 | EI-360027 | IC TC74HC86P |
| IC307 | EI-360050 | IC BA9221 |
| IC308 | EI-390060 | IC BA9201 |
| IC309 | EI-360058 | IC MF6CN-50 |
| IC310 | EI-354283 | IC BA6110 |
| IC311 | EI-367571 | IC LA6358T |
| IC401 | EI-365830 | IC TC74HC670P |
| IC402 | EI-365830 | IC TC74HC670P |
| IC403 | EI-365830 | IC TC74HC670P |
| IC404 | EI-365831 | IC TC74HC393P |
| IC405 | EI-360038 | IC TC74HC02P |
| IC406 | EI-360027 | IC TC74HC86P |
| IC407 | EI-360050 | IC BA9221 |
| IC408 | EI-390060 | IC BA9201 |
| IC409 | EI-360058 | IC MF6CN-50 |
| IC410 | EI-354283 | IC BA6110 |
| IC411 | EI-367571 | IC LA6358T |
| IC501 | EI-365830 | IC TC74HC670P |
| IC502 | EI-365830 | IC TC74HC670P |
| IC503 | EI-365830 | IC TC74HC670P |
| IC504 | EI-365831 | IC TC74HC393P |

| Ref. No. | Part No. | Description |
|---|---|---|
| IC505 | EI-360038 | IC TC74HC02P |
| IC506 | EI-360027 | IC TC74HC86P |
| IC507 | EI-360050 | IC BA9221 |
| IC508 | EI-390060 | IC BA9201 |
| IC509 | EI-360058 | IC MF6CN-50 |
| IC510 | EI-354283 | IC BA6110 |
| IC511 | EI-367571 | IC LA6358T |
| IC601 | EI-365830 | IC TC74HC670P |
| IC602 | EI-365830 | IC TC74HC670P |
| IC603 | EI-365830 | IC TC74HC670P |
| IC604 | EI-365831 | IC TC74HC393P |
| IC605 | EI-360038 | IC TC74HC02P |
| IC606 | EI-360027 | IC TC74HC86P |
| IC607 | EI-360050 | IC BA9221 |
| IC608 | EI-390060 | IC BA9201 |
| IC609 | EI-360058 | IC MF6CN-50 |
| IC610 | EI-354283 | IC BA6110 |
| IC611 | EI-367571 | IC LA6358T |
| IC701 | EI-365830 | IC TC74HC670P |
| IC702 | EI-365830 | IC TC74HC670P |
| IC703 | EI-365830 | IC TC74HC670P |
| IC704 | EI-365831 | IC TC74HC393P |
| IC705 | EI-360038 | IC TC74HC02P |
| IC706 | EI-360027 | IC TC74HC86P |
| IC707 | EI-360050 | IC BA9221 |
| IC708 | EI-390060 | IC BA9201 |
| IC709 | EI-360058 | IC MF6CN-50 |
| IC710 | EI-354283 | IC BA6110 |
| IC711 | EI-367571 | IC LA6358T |
| IC801 | EI-365830 | IC TC74HC670P |
| IC802 | EI-365830 | IC TC74HC670P |
| IC803 | EI-365830 | IC TC74HC670P |
| IC804 | EI-365831 | IC TC74HC393P |
| IC805 | EI-360038 | IC TC74HC02P |
| IC806 | EI-360027 | IC TC74HC86P |
| IC807 | EI-360050 | IC BA9221 |
| IC808 | EI-390060 | IC BA9201 |
| IC809 | EI-360058 | IC MF6CN-50 |
| IC810 | EI-354283 | IC BA6110 |
| IC811 | EI-367571 | IC LA6358T |
| P208 | EJ-365691 | PLUG RA-H261TD-0190 26P |
| P209 | EJ-365832 | PLUG RK-H401TD-0190 40P |
| P210 | EJ-365849 | PLUG RA-H502TD-0190 50P |
| RL1 | EQ-348929 | RELAY SIG G5A-237P 2TR 12V |
| R7 | ER-362495 | R OMF H S10 FS 1/2W 101J |
| R8 | ER-362495 | R OMF H S10 FS 1/2W 101J |
| R29 | ER-324185 | R CB H S10 FS RDS 1/4W 221J |
| R30 | ER-326180 | R FUSE H S10 ERD2FC 1/4W 22R0G |
| R31 | ER-365788 | R MF H F10 1/4W 2491F |
| R32 | ER-365789 | R MF H F10 1/4W 4991F |
| R58 | ER-356747 | R OMF H S15 FS 1W 820J |
| R121 | ER-324185 | R CB H S10 FS RDS 1/4W 221J |
| R202 | ER-365788 | R MF H F10 1/4W 2491F |
| R203 | ER-365789 | R MF H F10 1/4W 4991F |
| R221 | ER-324185 | R CB H S10 FS RDS 1/4W 221J |
| R302 | ER-365788 | R MF H F10 1/4W 2491F |
| R303 | ER-365789 | R MF H F10 1/4W 4991F |
| R321 | ER-324185 | R CB H S10 FS RDS 1/4W 221J |
| R402 | ER-365788 | R MF H F10 1/4W 2491F |
| R403 | ER-365789 | R MF H F10 1/4W 4991F |
| R421 | ER-324185 | R CB H S10 FS RDS 1/4W 221J |
| R502 | ER-365788 | R MF H F10 1/4W 2491F |
| R503 | ER-365789 | R MF H F10 1/4W 4991F |
| R521 | ER-324185 | R CB H S10 FS RDS 1/4W 221J |
| R602 | ER-365788 | R MF H F10 1/4W 2491F |
| R603 | ER-365789 | R MF H F10 1/4W 4991F |
| R621 | ER-324185 | R CB H S10 FS RDS 1/4W 221J |
| R702 | ER-365788 | R MF H F10 1/4W 2491F |
| R703 | ER-365789 | R MF H F10 1/4W 4991F |
| R721 | ER-324185 | R CB H S10 FS RDS 1/4W 221J |
| R802 | ER-365788 | R MF H F10 1/4W 2491F |
| R803 | ER-365789 | R MF H F10 1/4W 4991F |
| R821 | ER-324185 | R CB H S10 FS RDS 1/4W 221J |
| TR1 | ET-360107 | TR 2SC3330 U,V F05 |
| TR101 | ET-353899 | TR 2SA1317 S,T,U |
| TR201 | ET-353899 | TR 2SA1317 S,T,U |
| TR301 | ET-353899 | TR 2SA1317 S,T,U |
| TR401 | ET-353899 | TR 2SA1317 S,T,U |

| Ref. No. | Part No. | Description |
|---|---|---|
| TR501 | ET-353899 | TR 2SA1317 S,T,U |
| TR601 | ET-353899 | TR 2SA1317 S,T,U |
| TR701 | ET-353899 | TR 2SA1317 S,T,U |
| TR801 | ET-353899 | TR 2SA1317 S,T,U |
| VR1 | EV-307695 | R S-FIX H RH0651C 0.05W104 |
| VR101 | EV-307695 | R S-FIX H RH0651C 0.05W104 |
| VR201 | EV-307695 | R S-FIX H RH0651C 0.05W104 |
| VR301 | EV-307695 | R S-FIX H RH0651C 0.05W104 |
| VR401 | EV-307695 | R S-FIX H RH0651C 0.05W104 |
| VR501 | EV-307695 | R S-FIX H RH0651C 0.05W104 |
| VR601 | EV-307695 | R S-FIX H RH0651C 0.05W104 |
| VR701 | EV-307695 | R S-FIX H RH0651C 0.05W104 |
| VR801 | EV-307695 | R S-FIX H RH0651C 0.05W104 |

## 4. CPU P.C BOARD

| Ref. No. | Part No. | Description |
|---|---|---|
| D1 | ED-301911 | D SILICON H DS448 |
| IC1 | EI-365792 | IC UPD70116C-8 |
| IC2 | EI-365793 | IC UPD71011C |
| IC3 | EI-365794 | IC UPD71071C |
| IC4 | EI-365794 | IC UPD71071C |
| IC5 | EI-365794 | IC UPD71071C |
| IC6 | EI-365795 | IC UPD71059C |
| IC8 | EI-389049J | IC HD63B50P |
| IC9 | EI-378275 | IC UPD72066C |
| IC10 | EI-365798 | IC SED9420CAC |
| IC11 | EI-378295 | IC MBM27C256-15CZ-G |
| IC12 | EI-378295 | IC MBM27C256-15CZ-G |
| IC13 | EI-375345 | IC MM74HC373N |
| IC14 | EI-375345 | IC MM74HC373N |
| IC15 | EI-375345 | IC MM74HC373N |
| IC16 | EI-375345 | IC MM74HC373N |
| IC17 | EI-375345 | IC MM74HC373N |
| IC18 | EI-388712J | IC HD74HC245P |
| IC19 | EI-365831 | IC TC74HC393P |
| IC20 | EI-365801 | IC TC74HC257P |
| IC21 | EI-360053 | IC TC74HC175P |
| IC22 | EI-360025 | IC TC74HC138P |
| IC23 | EI-360025 | IC TC74HC138P |
| IC24 | EI-356049 | IC TC74HC139P |
| IC25 | EI-360042 | IC TC74HC259P |
| IC26 | EI-388707J | IC HD74HC244P |
| IC27 | EI-365801 | IC TC74HC257P |
| IC28 | EI-365802 | IC TC74HC191P |
| IC30 | EI-360054 | IC TC74HC174P |
| IC31 | EI-365803 | IC TC74HC4002P |
| IC32 | EI-387834J | IC HD74HC04P |
| IC33 | EI-388709J | IC HD74HC32P |
| IC34 | EI-388709J | IC HD74HC32P |
| IC35 | EI-388711J | IC HD74HC00P |
| IC36 | EI-388711J | IC HD74HC00P |
| IC37 | EI-360039 | IC TC74HC08P |
| IC38 | EI-387834J | IC HD74HC04P |
| IC39 | EI-375347 | IC MM74HC14N |
| IC40 | EI-365101 | IC TC74HC195P |
| IC41 | EI-360039 | IC TC74HC08P |
| IC42 | EI-360036 | IC TC74HC157P |
| IC43 | EI-365805 | IC HD75189P |
| IC44 | EI-365805 | IC HD75188P |
| IC45 | EI-378218 | IC MB81C4256-10-G |
| IC46 | EI-378218 | IC MB81C4256-10-G |
| IC47 | EI-378218 | IC MB81C4256-10-G |
| IC48 | EI-378218 | IC MB81C4256-10-G |
| IC49 | EI-378218 | IC MB81C4256-10-G |
| IC50 | EI-378218 | IC MB81C4256-10-G |
| IC51 | EI-378218 | IC MB81C4256-10-G |
| IC81 | EI-365830 | IC TC74HC670P |
| IC82 | EI-365830 | IC TC74HC670P |
| IC83 | EI-388712J | IC HD74HC245P |
| IC84 | EI-372578 | IC TC74HC153P |
| IC65 | EI-365840 | IC TC74HC155P |
| IC66 | EI-360038 | IC TC74HC02P |
| IC67 | EI-384782J | IC TC74HC365P |
| IC68 | EI-384782J | IC TC74HC365P |
| IC69 | EI-360025 | IC TC74HC138P |
| IC81 | EI-389050J | IC HD74AC32P |
| IC82 | EI-389060J | IC HD74AC158P |
| IC82 | EI-360035 | IC TC74HC157P |
| IC83 | EI-389060J | IC HD74AC158P |
| IC84 | EI-389060J | IC HD74AC158P |
| IC85 | EI-360039 | IC TC74HC08P |
| IC86 | EI-389061J | IC HD74AC04P |
| IC89 | EI-389128J | IC CD74AC138E |
| IC90 | EI-360039 | IC TC74HC08P |
| J101 | EW-365835 | WIRE ASSY S900 (14) 26P |
| J102 | EW-365836 | WIRE ASSY S900(15) 50P |
| J103 | EW-365838 | WIRE ASSY S900 (16) 40P |
| P107 | EJ-365833 | PLUG RA-H201TD-0190 20P |
| P108 | EJ-378287 | PLUG RP148B30P-1TD2-03 48P |
| P109 | EJ-365834 | PLUG RK-H341TD-0190 34P |
| P110 | EJ-389062J | PLUG RA-H601TD-1190 60P |
| P111 | EJ-378287 | PLUG RP148B30P-1TD2-03 48P |
| R40 | ER-200939 | R CB H S10 FS RDS 1/4W 181J |
| R41 | ER-200939 | R CB H S10 FS RDS 1/4W 181J |
| X1 | EI-365811 | OSC X'TAL NR18 16.000MHZ |
| 1 | EJ-358691 | SOCKET IC DILB28P-8J |

## 5. PANEL P.C BOARD

| Ref. No. | Part No. | Description |
|---|---|---|
| CR1 | EH-347688 | COMP R EXB-P88 472K |
| CR2 | EH-347688 | COMP R EXB-P88 472K |
| D1 | ED-364261 | D LED SLP-981C-50 |
| D2 | ED-364261 | D LED SLP-981C-50 |
| D3 | ED-364261 | D LED SLP-981C-50 |
| D4 | ED-364261 | D LED SLP-981C-50 |
| D5 | ED-364261 | D LED SLP-981C-50 |
| D6 | ED-364261 | D LED SLP-981C-50 |
| D7 | ED-364261 | D LED SLP-981C-50 |
| IC1 | EI-365813 | IC UPD71055C |
| J401 | EW-365814 | WIRE ASSY S900 (17) 20P |
| J402 | EW-365815 | WIRE ASSY S900 (18) 14P |
| SW1 | ES-365851 | SW TACT SPPQ19 |
| SW2 | ES-365851 | SW TACT SPPQ19 |
| SW3 | ES-365851 | SW TACT SPPQ19 |
| SW4 | ES-365851 | SW TACT SPPQ19 |
| SW5 | ES-365851 | SW TACT SPPQ19 |
| SW6 | ES-365851 | SW TACT SPPQ19 |
| SW7 | ES-365851 | SW TACT SPPQ19 |
| SW8 | ES-365851 | SW TACT SPPQ19 |
| SW9 | ES-365851 | SW TACT SPPQ19 |
| SW10 | ES-365851 | SW TACT SPPQ19 |
| SW11 | ES-365851 | SW TACT SPPQ19 |
| SW12 | ES-365851 | SW TACT SPPQ19 |
| SW13 | ES-365851 | SW TACT SPPQ19 |
| SW14 | ES-365851 | SW TACT SPPQ19 |
| SW15 | ES-365851 | SW TACT SPPQ19 |
| SW16 | ES-365851 | SW TACT SPPQ19 |
| SW17 | ES-365851 | SW TACT SPPQ19 |
| SW18 | ES-365851 | SW TACT SPPQ19 |
| SW19 | ES-365851 | SW TACT SPPQ19 |
| SW20 | ES-365851 | SW TACT SPPQ19 |
| SW21 | ES-365851 | SW TACT SPPQ19 |
| SW22 | ES-365851 | SW TACT SPPQ19 |
| SW23 | ES-365851 | SW TACT SPPQ19 |
| SW24 | ES-365851 | SW TACT SPPQ19 |
| SW25 | ES-365851 | SW TACT SPPQ19 |
| SW26 | ES-365851 | SW TACT SPPQ19 |
| SW27 | ES-365851 | SW TACT SPPQ19 |
| SW28 | ES-365851 | SW TACT SPPQ19 |

## 6. JACK P.C BOARD

| Ref. No. | Part No. | Description |
|---|---|---|
| J501 | EJ-354269 | PHONE J 3P HLJ0540-110 6.3 |
| J502 | EJ-354269 | PHONE J 3P HLJ0540-110 6.3 |
| J503 | EJ-354269 | PHONE J 3P HLJ0540-110 6.3 |
| J505 | EJ-354269 | PHONE J 3P HLJ0540-110 6.3 |
| J506 | EJ-354269 | PHONE J 3P HLJ0540-110 6.3 |
| J507 | EJ-354269 | PHONE J 3P HLJ0540-110 6.3 |
| J508 | EJ-354269 | PHONE J 3P HLJ0540-110 6.3 |
| J509 | EJ-354269 | PHONE J 3P HLJ0540-110 6.3 |
| J510 | EJ-354269 | PHONE J 3P HLJ0540-110 6.3 |
| J511 | EJ-354269 | PHONE J 3P HLJ0540-110 6.3 |
| J512 | EJ-360771 | DIN J TCS5037-01-241 13P |

## 7. JACK (MIC) P.C BOARD

| Ref. No. | Part No. | Description |
|---|---|---|
| J514 | EJ-354269 | PHONE J 3P HLJ0540-110 6.3 |
| J515 | EJ-354269 | PHONE J 3P HLJ0540-110 6.3 |
| J516 | EJ-354269 | PHONE J 3P HLJ0540-110 6.3 |

## 8. JACK (MIDI) P.C BOARD

| Ref. No. | Part No. | Description |
|---|---|---|
| D1 | ED-301011 | D SILICON H DS448 |
| IC1 | EI-310044 | IC SN74LS05N |
| J513 | EJ-364256 | DIN J M1704 3P |
| PH1 | ET-364167 | DETECTOR PC900V |

## 9. JACK (INV) P.C BOARD

| Ref. No. | Part No. | Description |
|---|---|---|
| R1 | ER-333372 | R CB H S10 FS ADS 1/4W 150J |
| 1 | VT-365945 | MULTI BLK INVERTER NEL-D32-43 |

## 10. JACK (VR) P.C BOARD

| Ref. No. | Part No. | Description |
|---|---|---|
| VR1A | EV-389052J | VR ROTARY RK1691110 A103 |
| VR2A | EV-389053J | VR ROTARY RK1631110 B103 |
| VR3A | EV-389054J | VR ROTARY RK1612221 B103X2 |

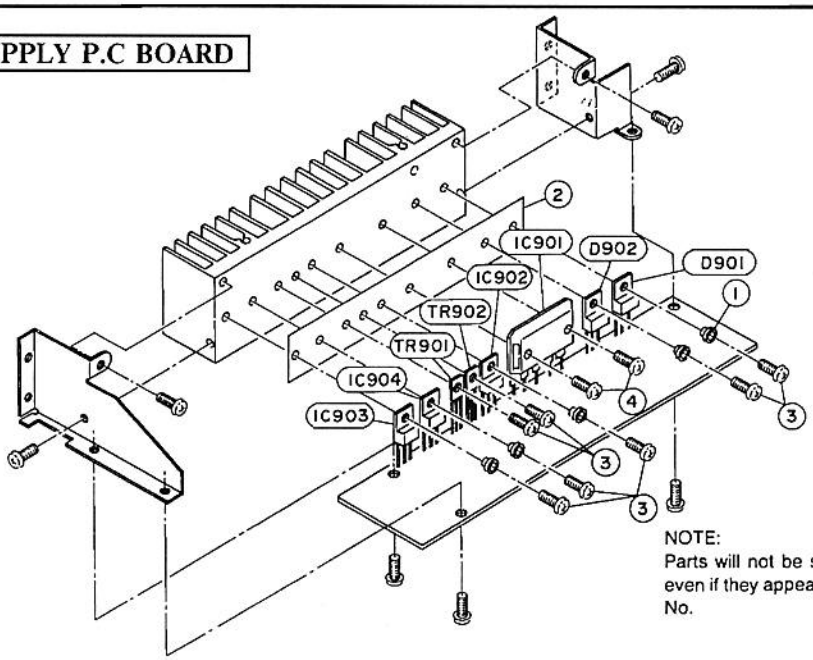
## 11. PANEL (VR) P.C BOARD

| Ref. No. | Part No. | Description |
|---|---|---|
| VR1 | EV-365817 | VR ROTARY 16P10X2G |

## 12. PANEL (LED) P.C BOARD

| Ref. No. | Part No. | Description |
|---|---|---|
| D1 | ED-364261 | D LED SLP-981C-50 |

POWER SUPPLY P.C BOARD




NOTE:
Parts will not be supplied if they are not listed in the parts list, even if they appear on the assembling illustrations with reference No.

## 13. POWER SUPPLY P.C BOARD

| Ref. No. | Part No. | Description |
|---|---|---|
| C1 | EC-201650 | C EC V CUT AS1 472M 10.0DC |
| C5 | EC-316188 | C EC V CUT SM 102M 25DC |
| C6 | EC-316188 | C EC V CUT SM 102M 25DC |
| D1 | *ED-357038 | D SILICON DBB10B 100/1.0A |
| D2 | *ED-330319 | D SILICON DBA10B 100/1.0A |
| D3 | ED-370990 | D SILICON 1SR35-100AHS F10 |
| D4 | ED-370990 | D SILICON 1SR35-100AHS F10 |
| D5 | ED-370990 | D SILICON 1SR35-100AHS F10 |
| D6 | ED-370990 | D SILICON 1SR35-100AHS F10 |
| D7 | ED-370990 | D SILICON 1SR35-100AHS F10 |
| D8 | ED-301911 | D SILICON H DS448 |
| D9 | *ED-346617 | D ZENER H HZ12 C2 |
| IC1 | *EI-346123 | IC M5230L |
| R1 | *ER-324185 | R CB H S10 FS RDS 1/4W 221J |
| R2 | *ER-324185 | R CB H S10 FS RDS 1/4W 221J |
| TR1 | ET-360137 | TR 2SC3330 U,V F05 |
| F2 | *EF-306952 | FUSE TSC A 250V 4.00A [J] |
| F2A | *EF-306957 | FUSE TSC 125V 4.00A [C,A,Y1] |
| F2B | *EF-691007 | FUSE SEMKO T 250V 3.15A [E,V,S] |
| F2C | *EF-356225 | FUSE BET T 250V 3.15A [B] |
| F3 | *EF-306124 | FUSE TSC A 250V 630MA [J] |
| F3A | *EF-305703 | FUSE TSC 125V 630MA [C,A,Y1] |
| F3B | *EF-601942 | FUSE SEMKO T 250V 630MA [E,V,S] |
| F3C | *EF-358974 | FUSE BET T 250V 630MA [B] |
| F4 | *EF-309387 | FUSE TSC A 250V 1.00A [J] |
| F4A | *EF-310229 | FUSE TSC 125V 1.00A [C,A,Y1] |
| F4B | *EF-258344 | FUSE SEMKO T 250V 800MA [E,V,S] |
| F4C | *EF-358641 | FUSE BET T 250V 800MA [B] |
| F5 | *EF-309387 | FUSE TSC A 250V 1.00A [J] |
| F5A | *EF-310229 | FUSE TSC 125V 1.00A [C,A,Y1] |
| F5B | *EF-258344 | FUSE SEMKO T 250V 800MA [E,V,S] |
| F5C | *EF-358641 | FUSE BET T 250V 800MA [B] |

| Ref. No. | Part No. | Description |
|---|---|---|
| D901 | *ED-365818 | D SILICON CTU-12S 200/ 6.0A |
| D902 | *ED-365819 | D SILICON CTU-12R 200/ 6.0A |
| IC901 | *EI-365820 | IC STR9005 |
| IC902 | *EI-347758 | IC TA78012AP |
| IC903 | *EI-365822 | IC NJM78M06A |
| IC904 | *EI-365823 | IC NJM79M06A |
| TR901 | *ET-356817 | TR 2SB891 Q,R |
| TR902 | *ET-354083 | TR 2SD1189 Q,R |
| 1 | ZW-632226 | WASHER INSULATOR (BUSH M) |
| 2 | EZ-362348 | SHEET HEATSINK |
| 3 | ZB-421806 | PAN30X08STL CMT |
| 4 | ZS-380048 | PAN30X10STL CMT |

## 14. FILTER P.C BOARD

| Ref. No. | Part No. | Description |
|---|---|---|
| C2 | *EC-358450 | C CE V DNS102MBE B 102M 400AC [A,V] |
| C3 | *EC-358450 | C CE V DNS102MBE B 102M 400AC [A,V] |
| C4A | *EC-369870 | C MMY V XE 683M 250AC [A,V] |
| FL1 | EO-360068 | COIL LF LF-2 B |
| F1 | *EF-306951 | FUSE TSC A 250V 2.50A [J] |
| F1A | *EF-306954 | FUSE TSC 125V 2.00A [C,A,Y1] |
| F1B | *EF-623103 | FUSE SEMKO T 250V 1.00A [E,V,S] |
| F1C | *EF-355226 | FUSE BET T 250V 1.00A [B] |

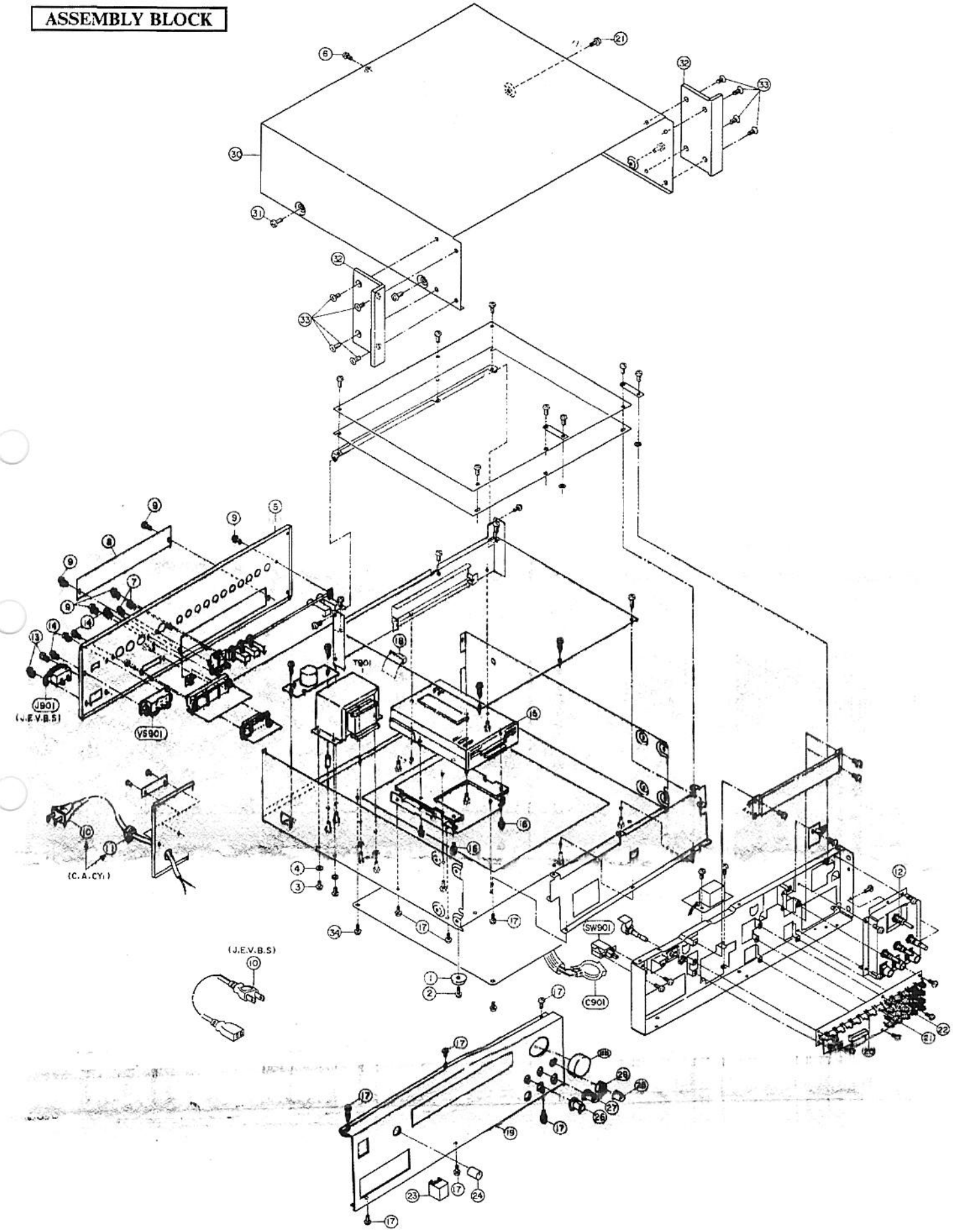
## 15. LCD P.C BOARD

| Ref. No. | Part No. | Description |
|---|---|---|
| 1 | EM-365844 | IND LCD DMC40218UE [INC. PCB] |
| 2 | EL-728381J | DMC40218UE EL BACK LIGHT |

## 16. JACK (RS232C) P.C BOARD

| Ref. No. | Part No. | Description |
|---|---|---|
| J522 | EJ-365932 | CONNECTOR HDB0001-01-2131 25P |

## ASSEMBLY BLOCK



## 18. ASSEMBLY BLOCK

| Ref. No. | Part No. | Description |
|---|---|---|
| 1 | SA-349332 | FOOT |
| 2 | ZS-360715 | ST PAN30X08STL CMT C080<br>[FOOT FIX] |
| 3 | ZS-301576 | ST PAN40X10STL CMT<br>[TRANS POWER FIX] |
| 4 | ZW-273892 | TW40 |
| 5 | SP-389043J1 | PANEL REAR S950(J) |
| 5A | SP-389044J1 | PANEL REAR S950(C,A) |
| 5B | SP-389045J | PANEL REAR S950(E,V,B,S) |
| 6 | ZS-308846 | T2BR30X08STL BZN PROJECTION<br>[PANEL REAR FIX] |
| 7 | ZW-698308 | RV NYL30X055 BL |
| 8 | SC-362359A | COVER REAR (A) |
| 9 | ZS-308846 | T2BR30X08STL BZN PROJECTION<br>[COVER REAR FIX] |
| 10 | *EW-365947 | AC CORD 250 SKP210KS17B A<br>[J] |
| 10A | *EW-366055 | AC CORD 250 KP11WSJT18 UC<br>[A] |
| 10B | *EW-357931 | AC CORD 3 CORES VM0033A SJT18A<br>[C,Y1] |
| 10C | *EW-358629 | AC CORD 2C KP4819C KS-17Y<br>[E,V] |
| 10D | *EW-358631 | AC CORD 2C KS-17 LTBS2F BS<br>[B] |
| 10E | *EW-358630 | AC CORD 2C KP560 LTSA2F KS17 S<br>[S] |
| 11 | *EZ-302906 | STRAIN RELIEF SR-6N-4<br>[C,A,Y1] |
| 12 | ES-365943 | SW EWT-XDFK2550B<br>[J,E,V,B,S] |
| C901 | *EC-361942 | C CE V DNS103ZV V 103Z 400AC |
| J901 | *EJ-358633 | SOCKET INLET SOT-17 2P<br>[J,E,V,B,S] |
| 13 | ZS-362534 | T2CTS30X10STL BNI |
| SW901 | *ES-337902 | SW PUSH SDDLD1 01-1 |
| VS901 | *ES-306430 | SW SLIDE J-S4013#01 01-2<br>[E,V,B,S] |
| 14 | ZS-350934 | PT BR30X08STL BNI |
| T901 | *BT-365907 | TRANS POWER S900T-10(J)<br>[J] |
| T901A | *BT-365908 | TRANS POWER S900T-30(A,C)<br>[A,C,Y1] |
| T901B | *BT-365909 | TRANS POWER S900T-50(E,V,B,S)<br>[E,V,B,S] |
| 15 | BB-389042J | FLOPPY DISK DFP723D14B |
| 16 | ZS-379405 | BID30X06STL CMT |
| 17 | ZS-348375 | ST BR30X08STL CMT |
| 18 | EW-365912 | WIRE ASSY S900 (3)34P |
| 19 | BD-389089J | PANEL FRONT PART |
| 20 | SK-362347A-A | KNOB PUSH (1) |
| 21 | SK-362347E | KNOB PUSH (5) |
| 22 | SK-362347F | KNOB PUSH (6) |
| 23 | SK-343017J | KNOB POWER (C) |
| 24 | SK-383061J | KNOB(A-7) |
| 25 | SK-389048J | KNOB ROTARY(B) |
| 26 | SK-386675J | KNOB SINGLE(2)PART |
| 27 | SK-386676J | KNOB SINGLE(3)PART |
| 28 | SK-386860J | KNOB DOUBLE(UPPER) 2 PART |
| 29 | SK-383781J | KNOB DOUBLE(LOWER) |
| 30 | SP-362371-A | COVER UPPER |
| 31 | ZS-341959 | ST BID40X06STL NI3<br>[COVER UPPER FIX] |
| 32 | SH-362361 | HANDLE RACK |
| 33 | ZS-321783 | ST BID40X10STL NI3<br>[HANDLE RACK FIX] |
| 34 | ZS320906 | ST BR30X08STL CMT |

NOTE:
Parts will not be supplied if they are not listed in the parts list, even if they appear on the assembling illustrations with reference No.

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| BA-L6002A020A | 2-3 | EF-359225 | 1-14 | EI-360050 | 3-IC107 | EI-365830 | 3-IC501 |
| BA-L6002A050B | 2-1 | EF-359225 | 13-F2C | EI-360050 | 3-IC207 | EI-365830 | 3-IC502 |
| BA-L6002A060A | 2-5 | EF-601942 | 1-19 | EI-360050 | 3-IC307 | EI-365830 | 3-IC503 |
| BA-L6002A080B | 2-4 | EF-601942 | 13-F3B | EI-360050 | 3-IC407 | EI-365830 | 3-IC601 |
| BA-L6013A040A | 2-2 | EF-623103 | 1-17 | EI-360050 | 3-IC507 | EI-365830 | 3-IC602 |
| BB-389042J | 1-1 | EF-623103 | 14-F1B | EI-360050 | 3-IC607 | EI-365830 | 3-IC603 |
| BB-389042J | 18-15 | EF-691007 | 1-18 | EI-360050 | 3-IC707 | EI-365830 | 3-IC701 |
| BD-389089J | 18-19 | EF-691007 | 13-F2B | EI-360050 | 3-IC807 | EI-365830 | 3-IC702 |
| BT-365907 | 1-2 | EH-347688 | 1-29 | EI-360053 | 1-75 | EI-365830 | 3-IC703 |
| BT-365907 | 18-T901 | EH-347688 | 5-CR1 | EI-360053 | 4-IC21 | EI-365830 | 3-IC801 |
| BT-365908 | 1-3 | EH-347688 | 5-CR2 | EI-360054 | 1-74 | EI-365830 | 3-IC802 |
| BT-365908 | 18-T901A | EI-310044 | 1-62 | EI-360054 | 4-IC30 | EI-365830 | 3-IC803 |
| BT-365909 | 1-4 | EI-310044 | 8-IC1 | EI-360058 | 1-52 | EI-365830 | 4-IC61 |
| BT-365909 | 18-T901B | EI-347758 | 1-64 | EI-360058 | 3-IC7 | EI-365830 | 4-IC62 |
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| EC-316188 | 13-C5 | EI-348123 | 1-57 | EI-360058 | 3-IC209 | EI-365831 | 3-IC104 |
| EC-316188 | 13-C6 | EI-348123 | 13-IC1 | EI-360058 | 3-IC309 | EI-365831 | 3-IC204 |
| EC-358450 | 14-C2 | EI-354146 | 1-93 | EI-360058 | 3-IC409 | EI-365831 | 3-IC304 |
| EC-358450 | 14-C3 | EI-354146 | 3-IC22 | EI-360058 | 3-IC509 | EI-365831 | 3-IC404 |
| EC-361942 | 18-C901 | EI-354146 | 3-IC23 | EI-360058 | 3-IC609 | EI-365831 | 3-IC504 |
| EC-369670 | 14-C4A | EI-354146 | 3-IC24 | EI-360058 | 3-IC709 | EI-365831 | 3-IC604 |
| ED-301911 | 1-10 | EI-354283 | 1-31 | EI-360058 | 3-IC809 | EI-365831 | 3-IC704 |
| ED-301911 | 3-D1 | EI-354283 | 3-IC110 | EI-360954 | 1-47 | EI-365831 | 3-IC804 |
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