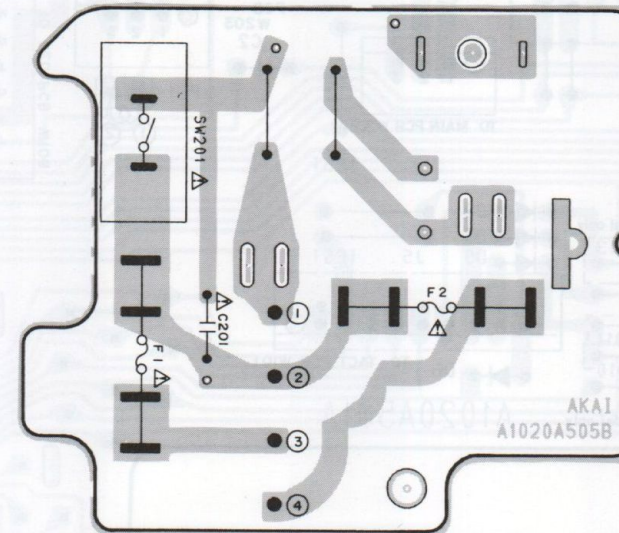


AKAI

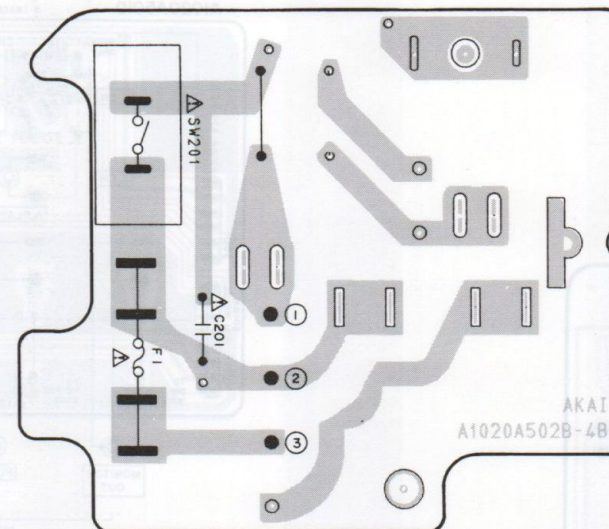
MODEL AA-V105/L

SCHEMATIC DIAGRAM AND PC BOARDS

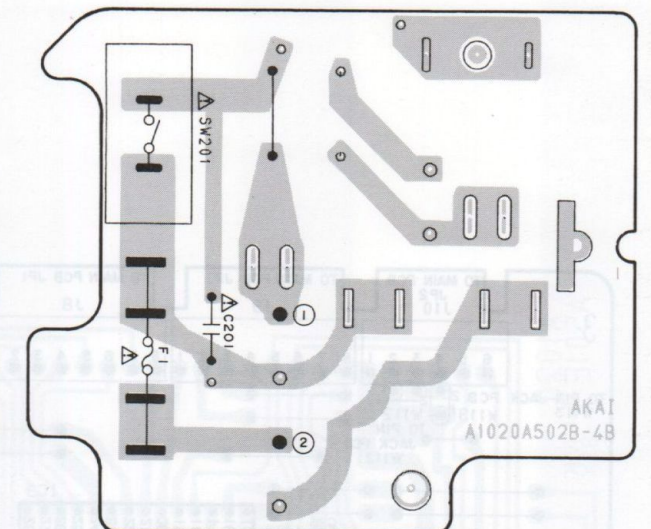
- 1. POWER SW PCB 1
- 2. LCD PCB, LED PCB, PHONE JACK PCB, PIN JACK PCB, TACT PCB, TONE PCB 2
- 3. AA-V105/L CONNECTION SCHEMATIC DIAGRAM 3
- 4. AA-V105/L MAIN SCHEMATIC DIAGRAM 4
- 5. AA-V105 MAIN PCB 5
- 6. AA-V105L MAIN PCB 6
- 7. AA-V105/L BLOCK DIAGRAM 7



POWER SW PCB A1020A502B [U]



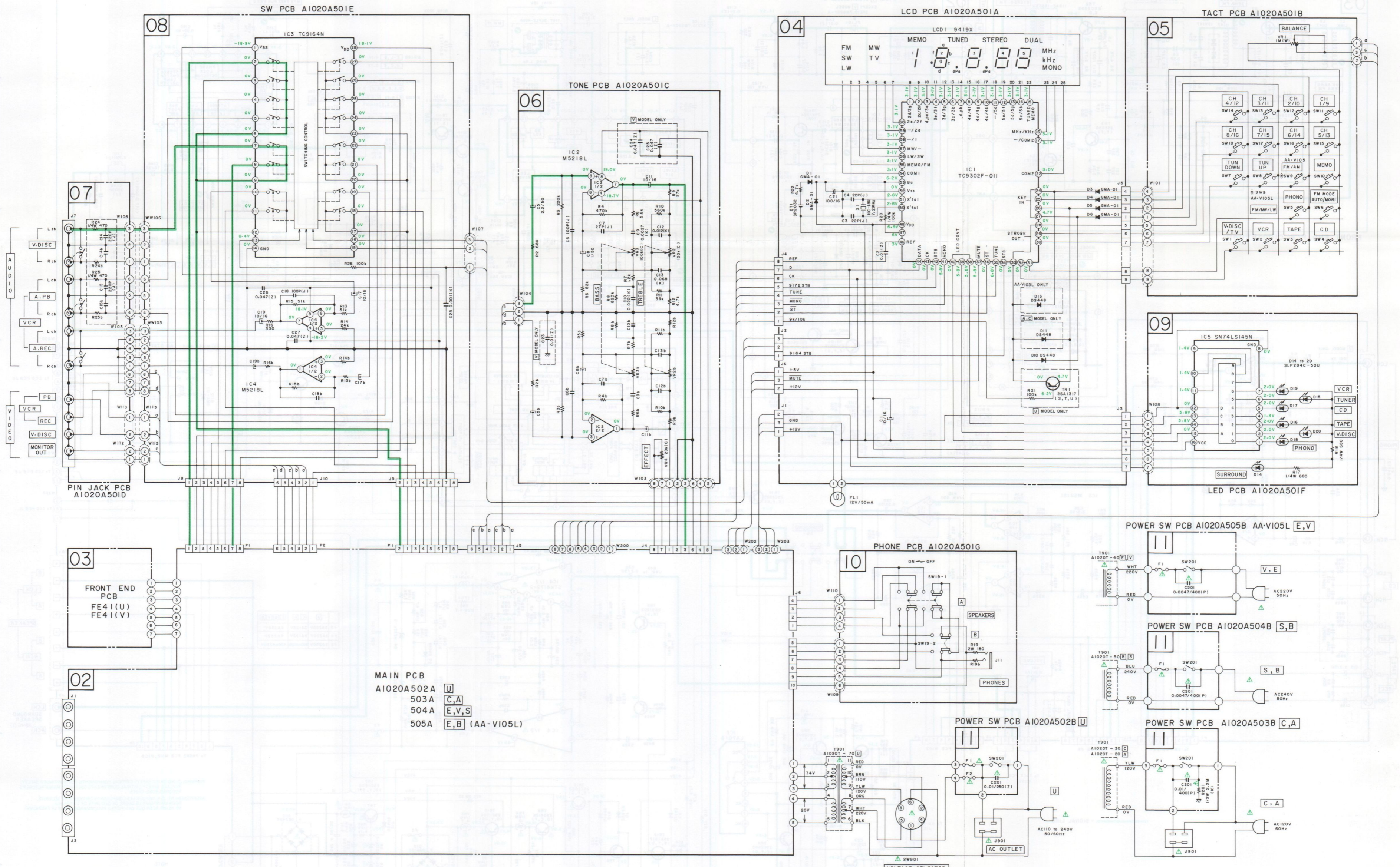
POWER SW PCB A1020A503B [C,A]



POWER SW PCB A1020A504B [V,E]
505B [S,B]

WARNING: Δ INDICATES SAFETY CRITICAL COMPONENTS FOR CONTINUED SAFETY, REPLACE SAFETY CRITICAL COMPONENTS ONLY WITH MANUFACTURER'S RECOMMENDED PARTS

AVERTISSEMENT: Δ 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



MAIN PCB
 A1020A502A [U]
 503A [C,A]
 504A [E,V,S]
 505A [E,B] (AA-VI05L)

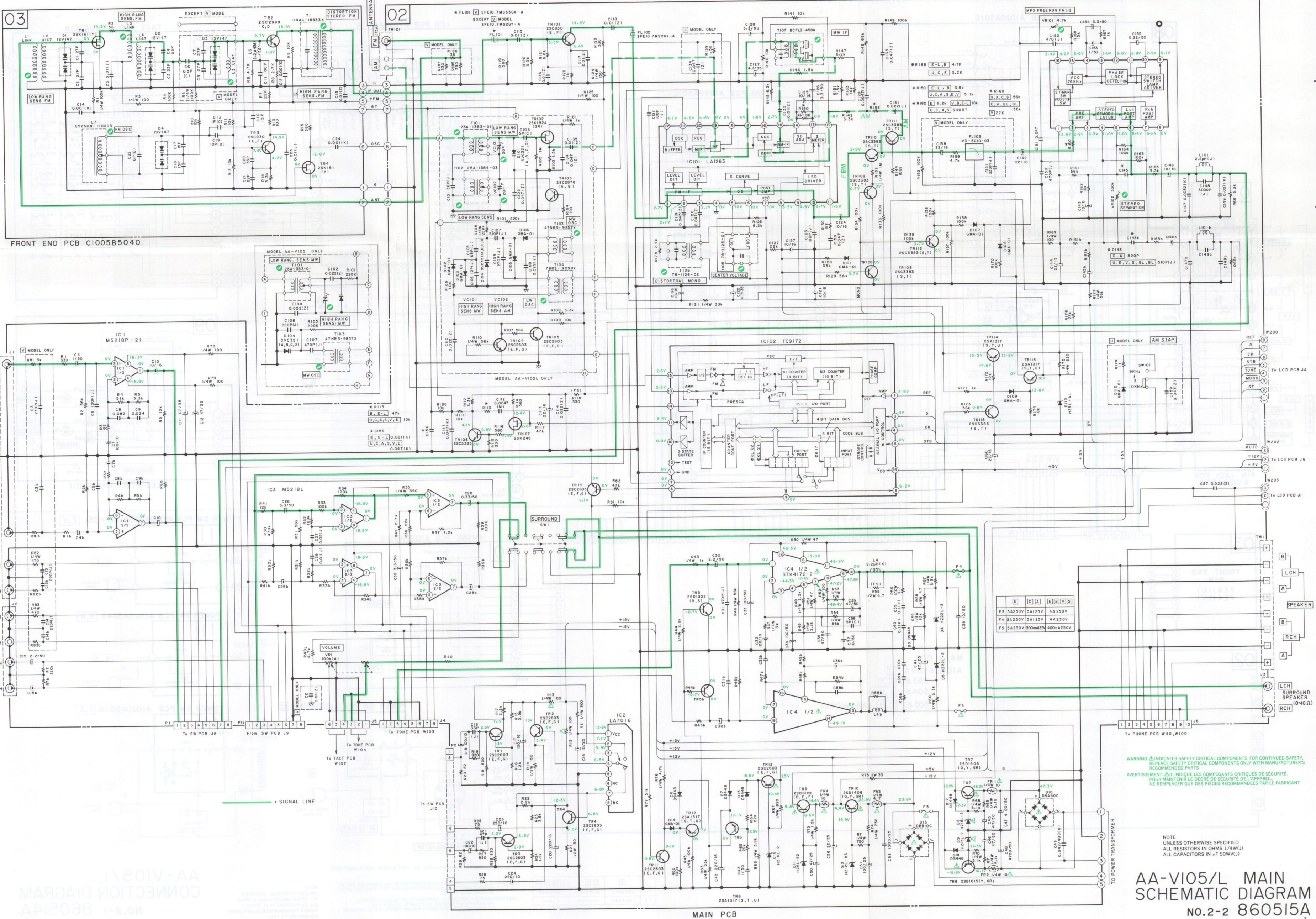
| | | |
|-------------|-----------|-----------|
| [U] | [C,A] | [E,V,S] |
| F1 1.6A250V | 3.15A125V | 1.25A250V |
| F2 1.6A250V | | |

INDICATED VOLTAGES ARE MEASURED AT "FM" STEREO AND "TUNED" MODE

WARNING: Δ INDICATES SAFETY CRITICAL COMPONENTS. FOR CONTINUED SAFETY, REPLACE SAFETY CRITICAL COMPONENTS ONLY WITH MANUFACTURER'S RECOMMENDED PARTS.
 AVERTISSEMENT: Δ 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.

NOTE: UNLESS OTHERWISE SPECIFIED, ALL RESISTORS IN ΩMS (1/4W, 1/2W, 1W, 2W, 5W, 10W, 20W, 50W, 100W, 250W, 500W, 1000W). ALL CAPACITORS IN μF (SOWJ). POWER TRANSFORMER IS DIFFERENT ACCORDING TO AREA.

AA-VI05/L
 CONNECTION DIAGRAM
 No.2-1 860514A



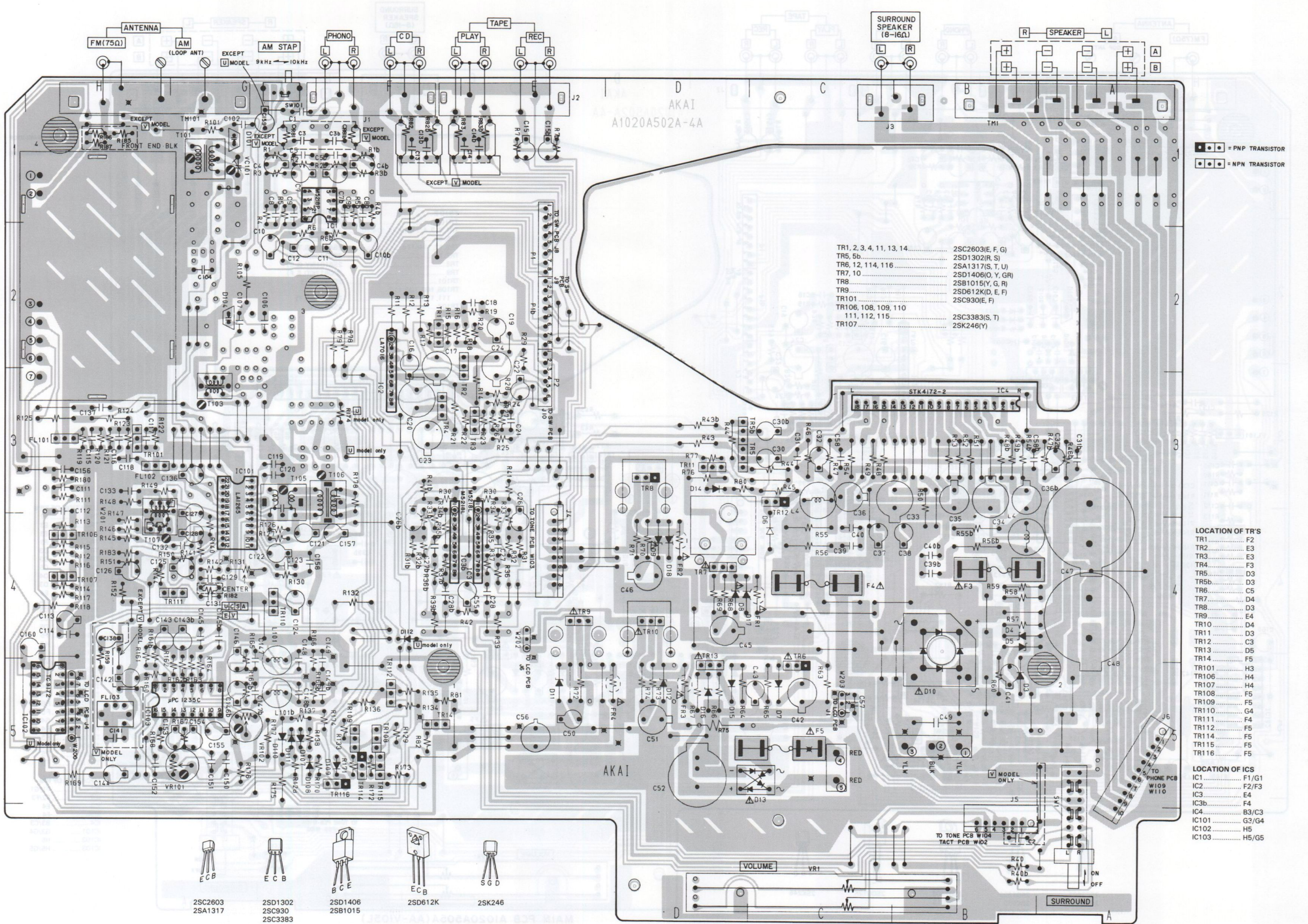
| PARTS LIST | | | |
|------------|--------|------------|-----------|
| F3 | 5A250V | 5A125V | 4A250V |
| F4 | 5A250V | 5A125V | 4A250V |
| F5 | 5A250V | 500mA/250V | 400mA250V |

WARNING: Δ INDICATES SAFETY CRITICAL COMPONENTS FOR CONTINUED SAFETY. REPLACE SAFETY CRITICAL COMPONENTS ONLY WITH MANUFACTURER'S RECOMMENDED PARTS.
 AVERTISSEMENT: Δ INDIQUE LES COMPOSANTS CRITIQUES DE SÉCURITÉ. POUR MAINTENIR LE DEGRÉ DE SÉCURITÉ DE L'APPAREIL, NE REMPLACER QUE DES PIÈCES RECOMMANDÉES PAR LE FABRICANT.

NOTE: UNLESS OTHERWISE SPECIFIED ALL RESISTORS IN OHMS 1/4W(J) ALL CAPACITORS IN μF 50V(UJ)

AA-V105/L MAIN SCHEMATIC DIAGRAM No.2-2 860515A

MAIN PCB



| | |
|--|-------------------|
| TR1, 2, 3, 4, 11, 13, 14..... | 2SC2603(E, F, G) |
| TR5, 5b..... | 2SD1302(R, S) |
| TR6, 12, 114, 116..... | 2SA1317(S, T, U) |
| TR7, 10..... | 2SD1406(O, Y, GR) |
| TR8..... | 2SB1015(Y, G, R) |
| TR9..... | 2SD612K(D, E, F) |
| TR101..... | 2SC930(E, F) |
| TR106, 108, 109, 110 111, 112, 115..... | 2SC3383(S, T) |
| TR107..... | 2SK246(Y) |

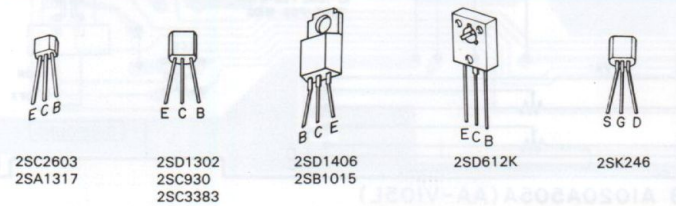
= PNP TRANSISTOR
 = NPN TRANSISTOR

LOCATION OF TR'S

| | |
|------------|----|
| TR1..... | F2 |
| TR2..... | E3 |
| TR3..... | E3 |
| TR4..... | F3 |
| TR5..... | D3 |
| TR5b..... | D3 |
| TR6..... | C5 |
| TR7..... | D4 |
| TR8..... | D3 |
| TR9..... | E4 |
| TR10..... | D4 |
| TR11..... | D3 |
| TR12..... | C3 |
| TR13..... | D5 |
| TR14..... | F5 |
| TR101..... | H3 |
| TR106..... | H4 |
| TR107..... | H4 |
| TR108..... | F5 |
| TR109..... | F5 |
| TR110..... | G4 |
| TR111..... | F4 |
| TR112..... | F5 |
| TR114..... | F5 |
| TR115..... | F5 |
| TR116..... | F5 |

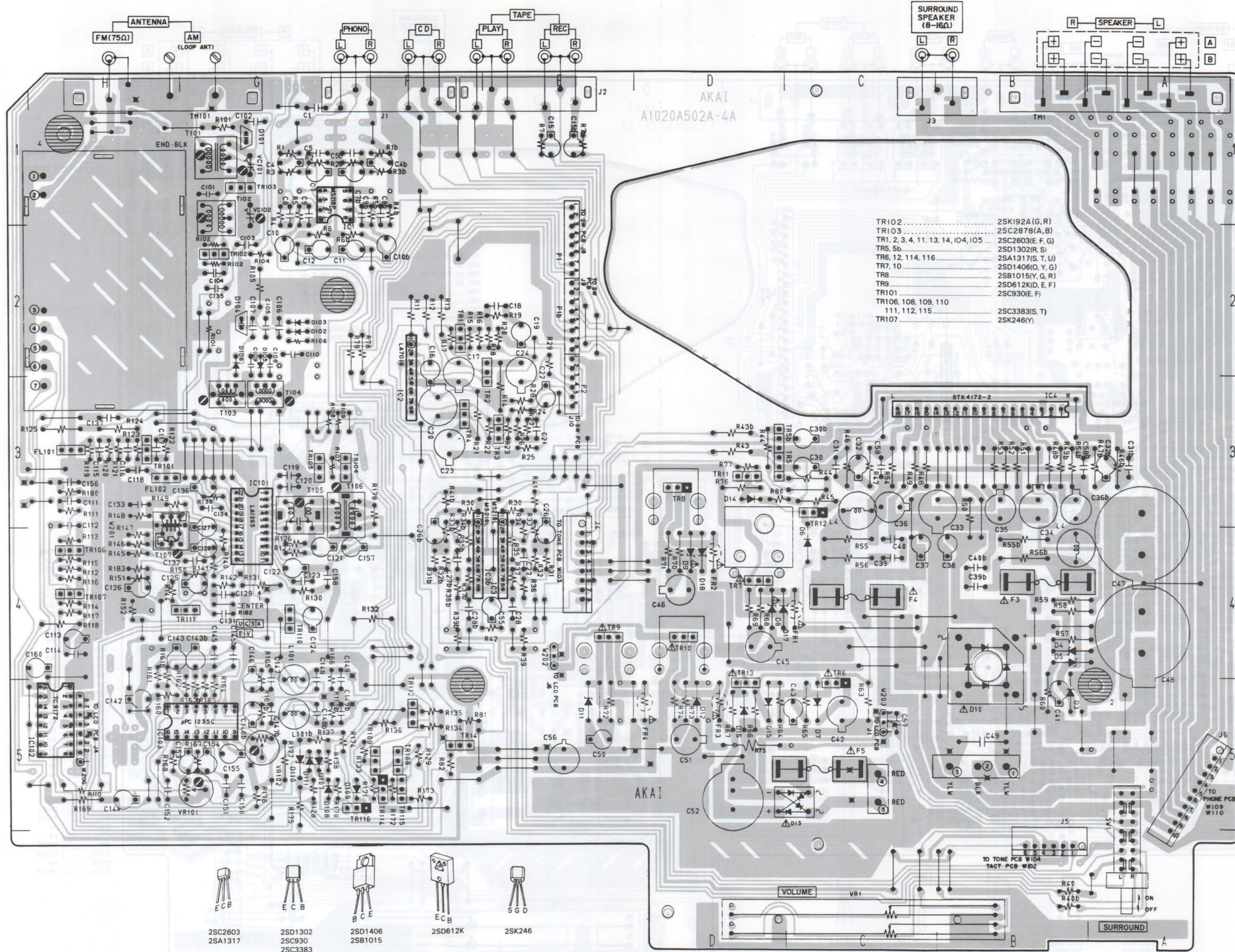
LOCATION OF IC'S

| | |
|------------|-------|
| IC1..... | F1/G1 |
| IC2..... | F2/F3 |
| IC3..... | E4 |
| IC3b..... | F4 |
| IC4..... | B3/C3 |
| IC101..... | G3/G4 |
| IC102..... | H5 |
| IC103..... | H5/G5 |



| | | | | |
|---------|---------|---------|---------|--------|
| 2SC2603 | 2SD1302 | 2SD1406 | 2SD612K | 2SK246 |
| 2SA1317 | 2SC930 | 2SB1015 | | |
| | 2SC3383 | | | |

MAIN PCB AI020A502A U
 A503A C, A
 A504A E, V, S

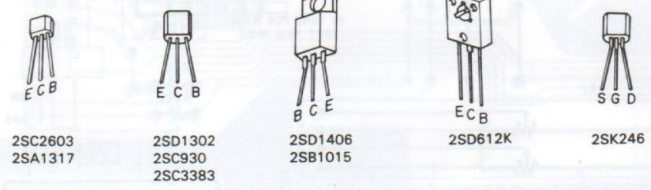


- TR102..... 2SK192A(G, R)
- TR103..... 2SC2878(A, B)
- TR1, 2, 3, 4, 11, 13, 14, 104, 105... 2SC2603(E, F, G)
- TR5, 5b..... 2SD1302(R, S)
- TR6, 12, 114, 116..... 2SA1317(S, T, U)
- TR7, 10..... 2SD1406(O, Y, G)
- TR8..... 2SB1015(Y, G, R)
- TR9..... 2SD612K(D, E, F)
- TR101..... 2SC930(E, F)
- TR106, 108, 109, 110
111, 112, 115..... 2SC3383(S, T)
- TR107..... 2SK246(Y)

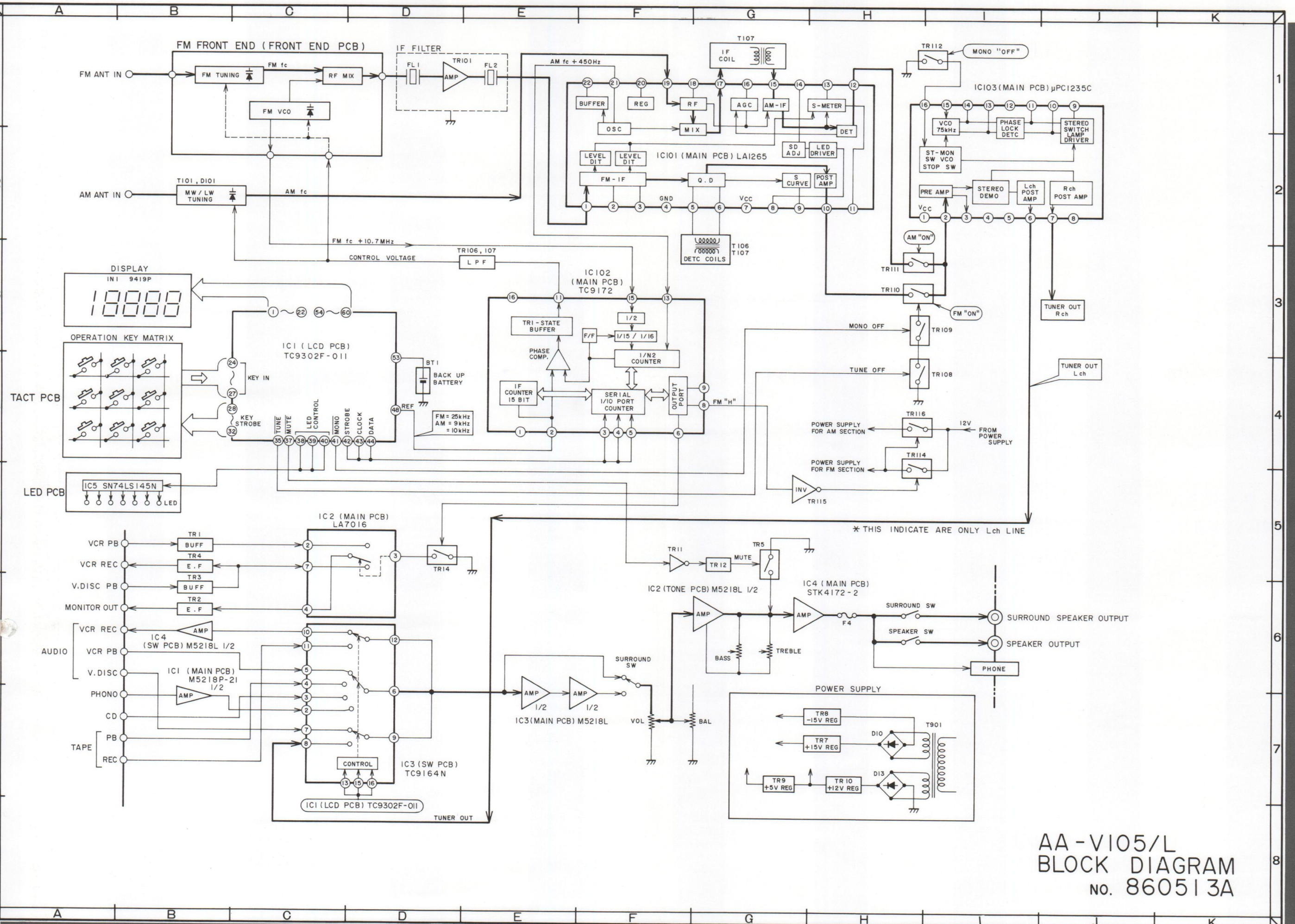
● = PNP TRANSISTOR
○ = NPN TRANSISTOR

- LOCATION OF TR'S**
- TR1..... F2
 - TR2..... E3
 - TR3..... E3
 - TR4..... F3
 - TR5..... D3
 - TR5b..... D3
 - TR6..... C5
 - TR7..... D4
 - TR8..... D3
 - TR9..... E4
 - TR10..... D4
 - TR11..... D3
 - TR12..... C3
 - TR13..... D5
 - TR14..... F5
 - TR101..... H3
 - TR102..... G1
 - TR103..... G2
 - TR104..... F3
 - TR105..... G3
 - TR106..... H4
 - TR107..... H4
 - TR108..... F8
 - TR109..... F5
 - TR110..... G4
 - TR111..... F4
 - TR112..... F5
 - TR114..... F5
 - TR115..... F5
 - TR116..... F5

- LOCATION OF IC'S**
- IC1..... F1/G1
 - IC2..... F2/F3
 - IC3..... E4
 - IC3b..... F4
 - IC4..... B3/C3
 - IC101..... G3/G4
 - IC102..... H5
 - IC103..... H5/G5



MAIN PCB A1020A505A(AA-V105L)



AA-V105/L
 BLOCK DIAGRAM
 No. 860513A