

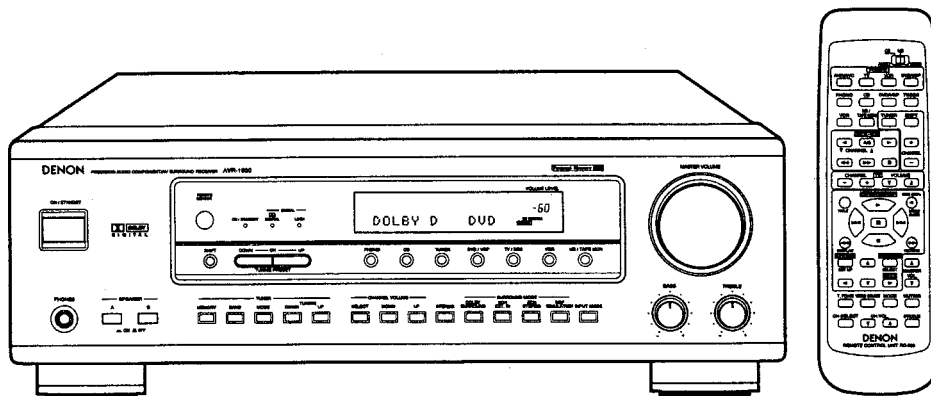
DENON

Hi-Fi AV Surround Receiver

SERVICE MANUAL

MODEL AVR-1600/1600RD

AV SURROUND RECEIVER



— TABLE OF CONTENTS —

| | |
|-----------------------------------|-------|
| SPECIFICATIONS | 2 |
| WIRE ARRANGEMENT | 3 |
| DISASSEMBLY | 4,5 |
| ADJUSTMENT | 6 |
| SEMICONDUCTORS | 7~16 |
| PRINTED WIRING BOARDS | 17~20 |
| NOTE FOR PARTS LIST | 21 |
| PARTS LIST OF P.W.B UNIT | 22~31 |
| EXPLODED VIEW | 32 |
| PARTS LIST OF EXPLODED VIEW | 33 |
| ADDENDUM PARTS LIST | 33 |
| BLOCK/LEVEL DIAGRAM | 34 |
| WIRING DIAGRAM | 35 |
| SCHEMATIC DIAGRAMS | 37~42 |
| (1/6) MAIN UNIT | 37 |
| (2/6) DSP UNIT | 38 |
| (3/6) TUNER/VOLUME UNIT | 39 |
| (4/6) SURROUND UNIT | 40 |
| (5/6) FL/TONE UNIT | 41 |
| (6/6) P. SUPPLY/VIDEO UNIT | 42 |

● Some illustrations using in this service manual are slightly different from the actual set.

NIPPON COLUMBIA CO., LTD.

SAFETY PRECAUTIONS

The following check should be performed for the continued protection of the customer and service technician.

LEAKAGE CURRENT CHECK

Before returning the unit to the customer, make sure you make either (1) a leakage current check or (2) a line to chassis resistance check. If the leakage current exceeds 0.5 milliamps, or if the resistance from chassis to either side of the power cord is less than 460 kohms, the unit is defective.

SPECIFICATIONS

AUDIO SECTION

(Power Amplifier)

Rated output:

Front: 60 W + 60 W (8 Ω/ohms, 20 Hz ~ 20 kHz with 0.08 % T.H.D.)
 80 W + 80 W (6 Ω/ohms, EIAJ for Asia model)
 Center: 60 W (8 Ω/ohms, 20 Hz ~ 20 kHz with 0.08 % T.H.D.)
 80 W (6 Ω/ohms, EIAJ for Asia model)
 Surround: 60 W + 60 W (8 Ω/ohms, 20 Hz ~ 20 kHz with 0.08 % T.H.D.)
 80 W + 80 W (6 Ω/ohms, EIAJ for Asia model)

Output terminals:

Front: A or B 6 to 16 Ω/ohms (U.S.A./Canada), 8 to 16 Ω/ohms (Europe/U.K./Asia)
 A + B 12 to 16 Ω/ohms (U.S.A./Canada), 16 Ω/ohms or more (Europe/U.K./Asia)
 Center/Surround: 6 to 16 Ω/ohms (U.S.A./Canada), 8 to 16 Ω/ohms (Europe/U.K./Asia)

(Analog)

LINE input-PRE OUT

Input sensitivity/input impedance:

Frequency response:

S/N ratio:

Total harmonic distortion:

Rated output:

200 mV/47 kΩ/kohms
 10 Hz ~ 50 kHz: +1, -3 dB
 92 dB (IHF-A weighted)
 0.05 % (20 Hz ~ 20 kHz)
 1.2 V

PHONO input-REC OUT

Input sensitivity/input impedance:

RIAA deviation:

S/N ratio:

Total harmonic distortion:

Rated output/Maximum output:

2.5 mV/47 kΩ/kohms
 ±1 dB (20 Hz ~ 20 kHz)
 74 dB (IHF-A weighted, with 5 mV input)
 0.03 % (1 kHz, 3 V)
 150 mV/7 V

VIDEO SECTION

(Standard Video Jacks)

Input/output level and impedance:

Frequency response:

1 V p-p, 75 Ω/ohms
 5 Hz ~ 10MHz +1, -3 dB

TUNER SECTION

Receiving range:

Usable sensitivity:

50 dB quieting sensitivity:

S/N ratio:

Total harmonic distortion:

[FM] (Note: μV at 75 Ω/ohms, 0 dBf = 1×10^{-15} W)

87.50 MHz ~ 107.90 MHz

1.0 μV (11.2 dBf)

MONO 1.6 μV (15.3 dBf)

STEREO 23 μV (38.5 dBf)

MONO 80 dB (IHF-A weighted)

STEREO 75 dB (IHF-A weighted)

MONO 0.2 % (1 kHz)

STEREO 0.4 % (1 kHz)

[AM]

520 kHz ~ 1710 kHz

18 μV

GENERAL

Power supply:

Power consumption:

Maximum external dimensions:

Weight:

AC115/230 V, 50/60 Hz (Asia model)

AC230 V, 50 Hz (Europe & U.K. models)

AC120 V, 60 Hz (U.S.A. & Canada models)

3.0 A (U.S.A. & Canada models), 180 W (Europe & U.K. & Asia models)

434 (W) × 144 (H) × 315 (D) mm (17-3/32" × 5-43/64" × 12-13/32")

7.0 kg (lbs)

REMOTE CONTROL UNIT (RC-859)

Batteries:

External dimensions:

Weight:

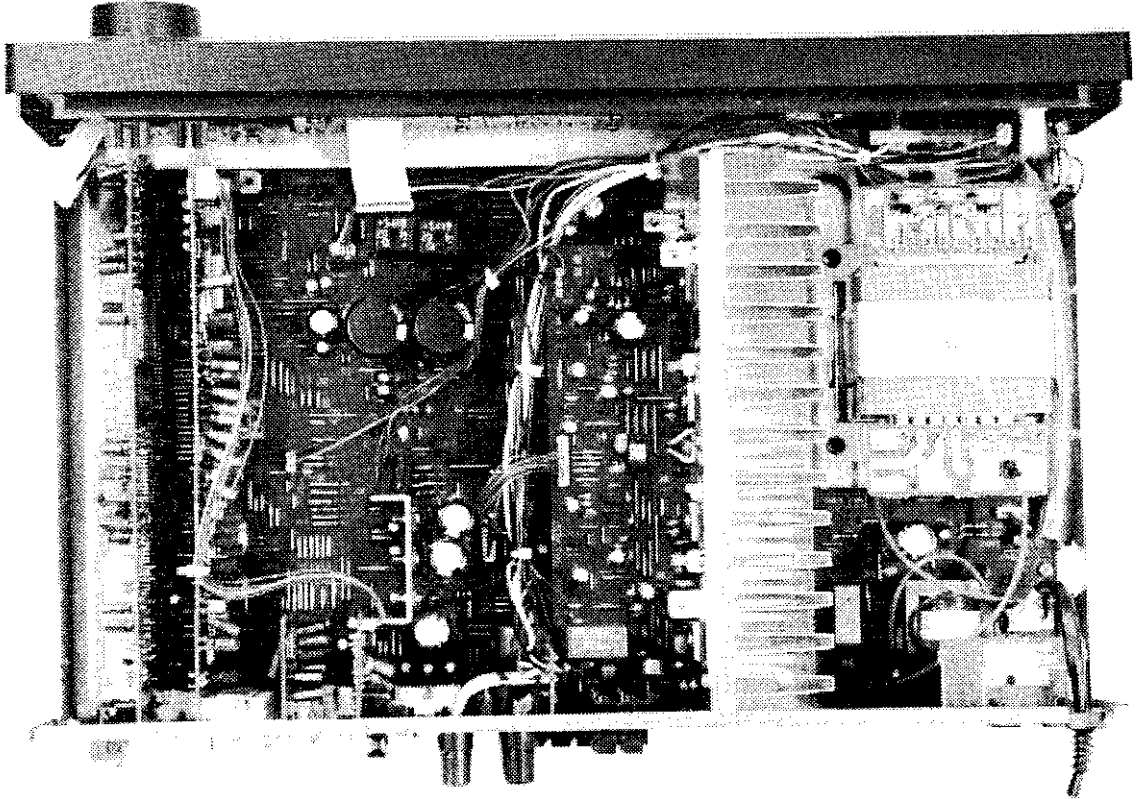
R6P/AA Type (two batteries)

54 (W) × 172 (H) × 27.2 (D) mm (2-1/8" × 6-49/64" × 1-5/64")

100 g (Approx. 6 oz) (including batteries)

WIRE ARRANGEMENT

In case of wires require unclasping or loosening to move the location, to perform adjustment or part replacement, be sure to rearrange them neatly to restore properly in the same location as they were originally placed, or causing to produce a noise may occasionally occur.

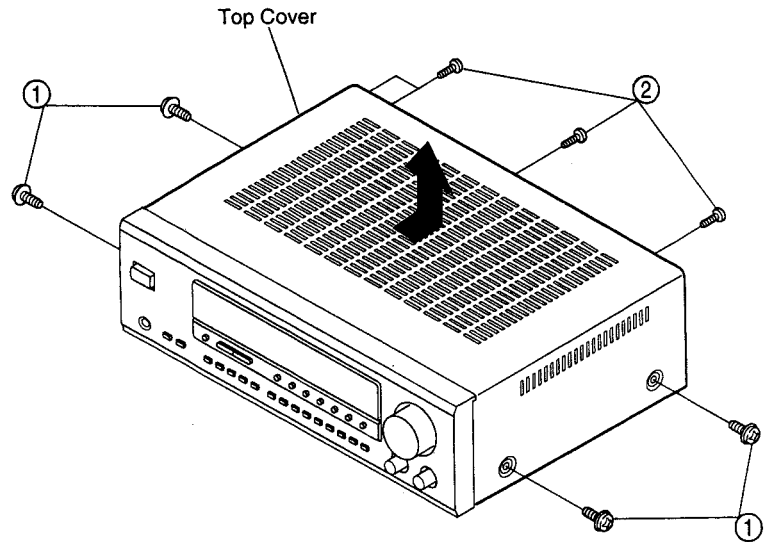


DISASSEMBLY

(Follow the procedure below in reverse order when reassembling)

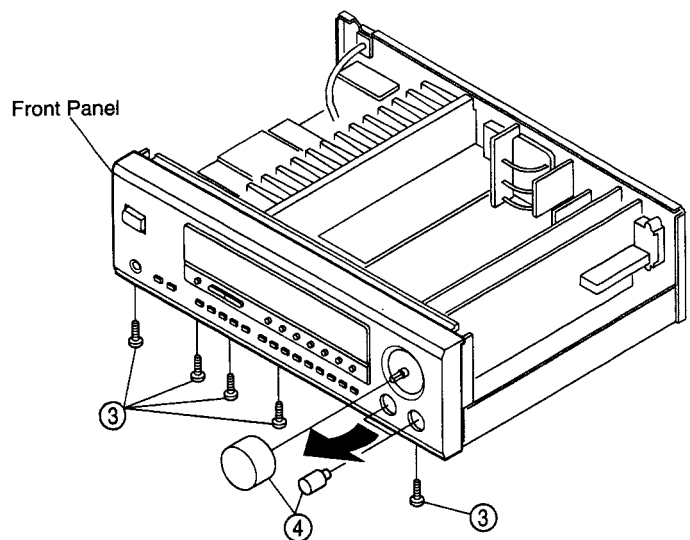
1. Top Cover

Remove 4 screws ① on both sides and 4 screws ② on the rear to detach the Top Cover as shown in the arrow direction.



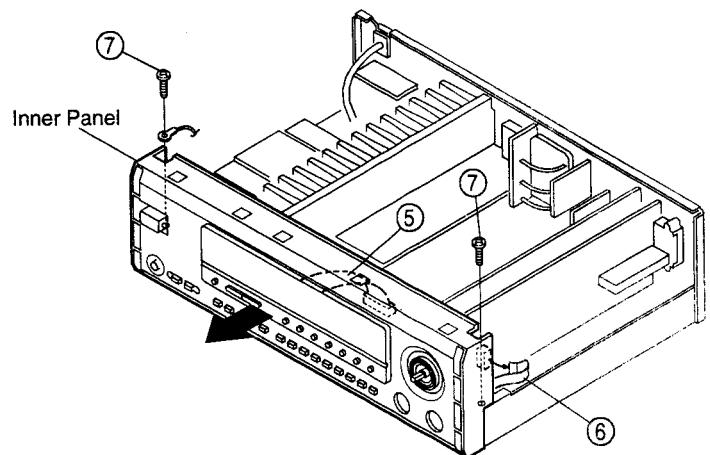
2. Front Panel

Remove 5 screws ③ from the bottom edge of the Front Panel and pull out 3 Knobs ④, then detach the Front Panel as shown in the arrow direction.



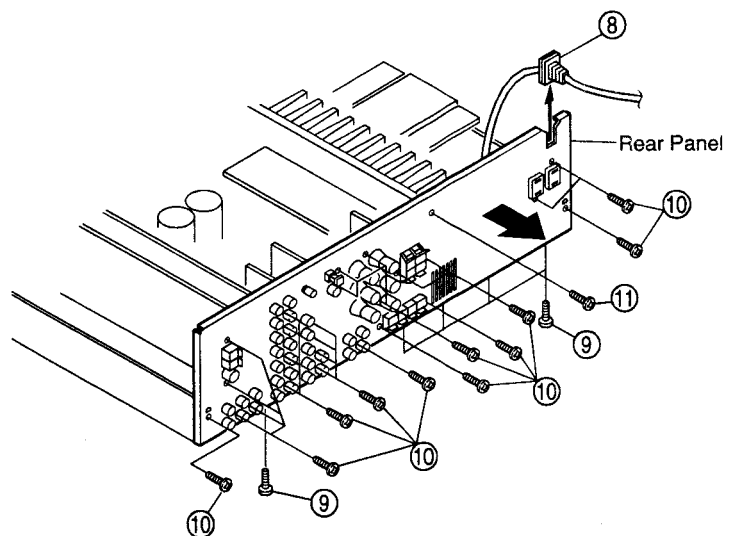
3. Inner Panel

- (1) Disconnect 2 FFCs ⑤ and ⑥.
- (2) Detach the Inner Panel in the arrow direction after removing 2 screws ⑦.



4. Rear Panel

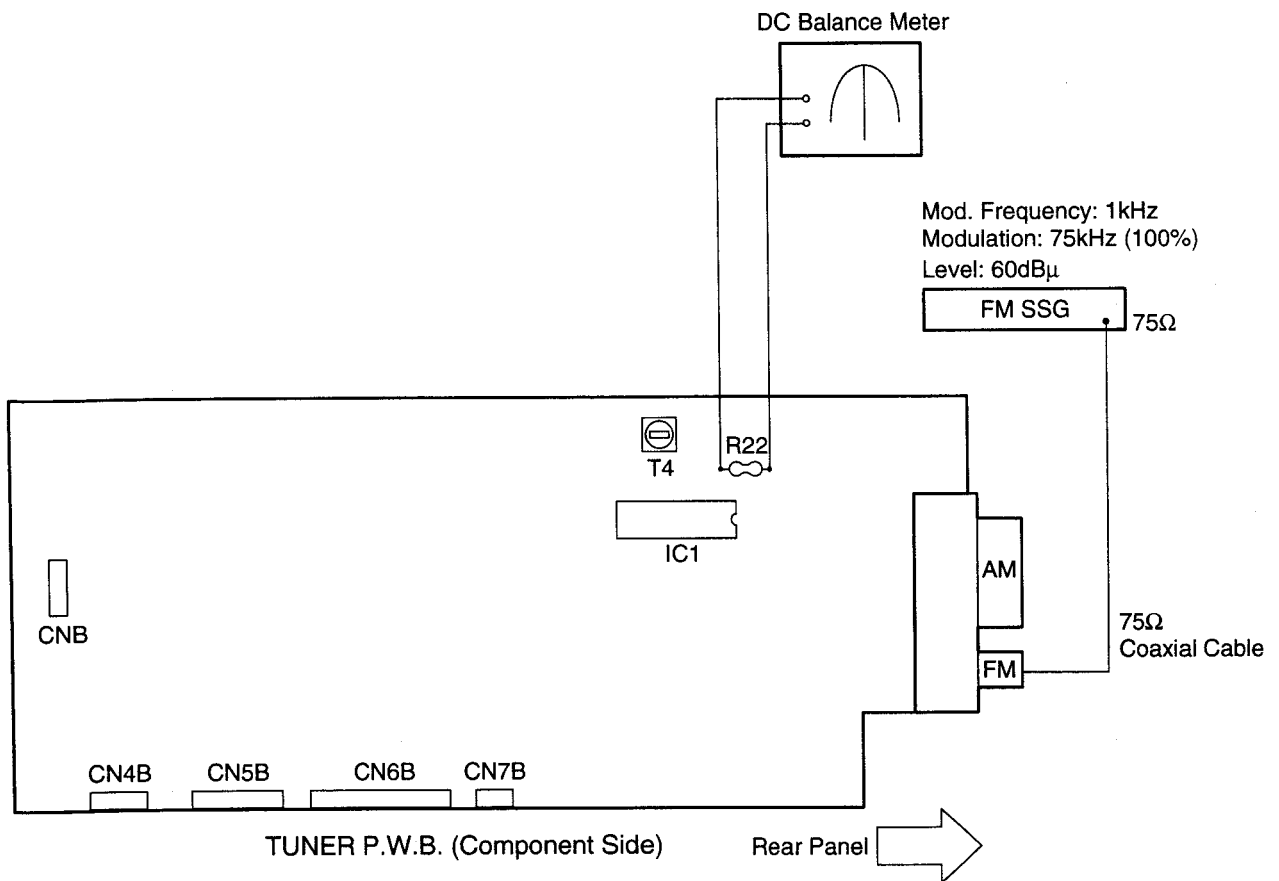
- (1) Pull out the Cord Bush ⑧.
- (2) Remove 5 screws ⑨ from the bottom edge and 25 screws ⑩ from the rear.
- (3) Detach the Rear Panel in the arrow direction after removing 1 screw ⑪.



ADJUSTMENT

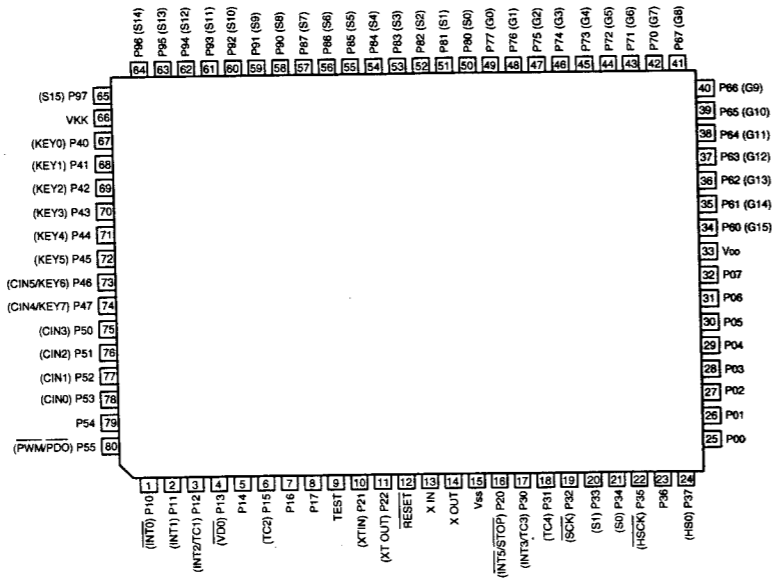
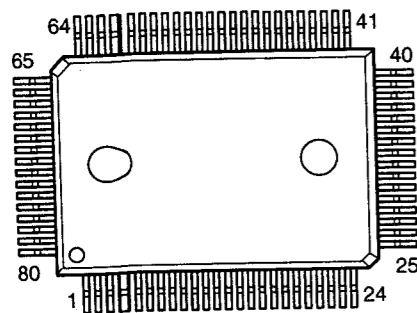
1. TUNER ADJUSTMENT (Band Button: FM, MONO/AUTO Button: AUTO)

| Step | Alignment Item | Tuning Frequency Setting | Input | | | | Output | | Adjust | | Remarks | |
|------|----------------|--------------------------|--------|-----------|-------------|---------------------|---------------------|------------------|------------|--------|--------------|------------------|
| | | | Type | Frequency | Input Level | Modulation | Coupling | Type | Connect to | Points | | Adjust to |
| 1 | FM DC Balance | 98 MHz | FM SSG | 98 MHz | 60 dB μ | 1 kHz 75 kHz DEV | FM Antenna Terminal | DC Balance Meter | R22 | T4 | 0 \pm 30mV | Mono. Modulation |



SEMICONDUCTORS

IC's
TMP87CS71AF (IC801)



TMP87CS71AF (IC801) Terminal Function

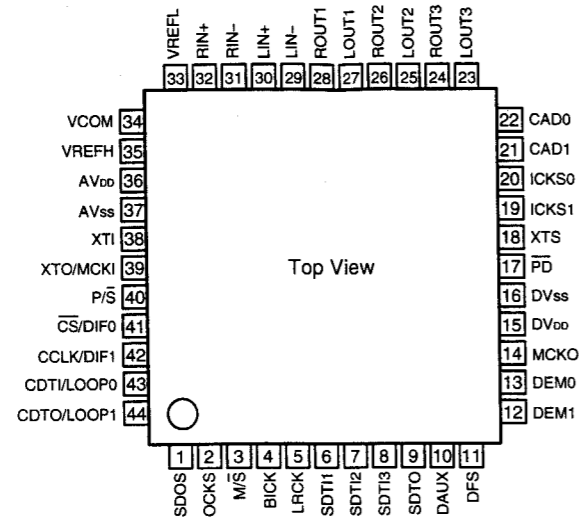
| Pin No. | Name | Symbol | I/O | Typ | OP | Det | Res | Ini | ST-BY | Function |
|---------|-----------|---------------|-----|-----|-----|-----|-----|-----|-------|---|
| 1 | P10/INT 0 | PROTECT | I | — | — | E&L | Z | — | — | Protection detect input, H: Detected |
| 2 | P11/INT 1 | POWER | O | C | — | — | Z | L | L | Power control output, L: On |
| 3 | P12/INT 2 | RDS START | I | — | — | Ed | Z | — | — | RDS data input (LC7074) |
| 4 | P13/DVO | STEREO/MONO | O | C | — | — | Z | L | L | Stereo/Mono control signal, L: Stereo receive |
| 5 | P14 | PLL-STB | O | C | — | — | Z | L | L | LC72131M control output |
| 6 | P15/TC2 | DIN B | O | C | — | — | Z | L | L | Digital input control signal (TC74HC151) |
| 7 | P16 | DIN C | O | C | — | — | Z | L | L | Digital input control signal (TC74HC151) |
| 8 | P17 | TUNED SIGNAL | I | — | — | Lv | Z | — | — | Tuning detection |
| 9 | TEST | TEST | I | — | GND | S | — | — | — | Connect to GND |
| 10 | P21/XT IN | STEREO SIGNAL | I | — | Eu | Lv | Z | — | — | Stereo detection, L: Stereo receive |
| 11 | P22/XTO | PHONES | I | — | Eu | Lv | Z | — | — | Headphone insertion detect, H: Insertion detect |
| 12 | RESET | RESET | I | — | Eu | Lv | L | — | — | Reset input |
| 13 | XIN | XIN | I | — | — | — | — | — | — | X'tal oscillation input (4MHz) |
| 14 | XOUT | XOUT | O | — | — | — | — | — | — | X'tal oscillation output (4MHz) |
| 15 | Vss | Vss | I | — | GND | — | — | — | — | Connect to GND |
| 16 | P20/INT5 | STOP | I | — | Eu | Lv | Z | — | — | Power-down detection, L: Power-down |
| 17 | P30/INT3 | REMOCON | I | — | Eu | E&L | Z | — | — | Remote control signal input |
| 18 | P31/TC4 | Not used | O | N | — | — | Z | L | L | Fixed to L-out |
| 19 | P32/SCK | RDS CLK | I | — | — | S | Z | — | — | RDS clock input (LC7074) |
| 20 | P33/SI | RDS DATA | I | — | — | S | Z | — | — | RDS data input (LC7074) |
| 21 | P34/SO | RDS RESET | O | N | Eu | — | Z | H | H | RDS reset output (LC7074) |
| 22 | P35/HSCK | DSP RES | O | N | Eu | — | Z | H | H | DSP/CODEC control terminal (ZR38601, AK4526) |
| 23 | P36 | DSP DATA | O | N | S | — | Z | H | H | DSP/CODEC control terminal (ZR38601, AK4526) |
| 24 | P37/HSO | DSP CLK | O | N | S | — | Z | H | H | DSP/CODEC control terminal (ZR38601, AK4526) |
| 25 | P00 | FR GAIN | O | C | — | — | Z | H | H | Front CH gain switching signal |
| 26 | P01 | FL RES | O | C | — | S | Z | L | L | FL display control output (LC75721) |
| 27 | P02 | FL PLL DATA | O | C | — | S | Z | H | H | FL display and PLL control output (LC75721, LC72131M) |
| 28 | P03 | FL PLL CLK | O | C | — | S | Z | H | H | FL display and PLL control output (LC75721, LC72131M) |
| 29 | P04 | FUNC STB | O | C | — | — | Z | L | L | Function control output (TC9273F, TC9164AF) |
| 30 | P05 | FUNC CLK | O | C | — | S | Z | L | L | Function control output (TC9273F, TC9164AF) |
| 31 | P06 | FUNC DATA | O | C | — | S | Z | L | L | Function control output (TC9273F, TC9164AF) |
| 32 | P07 | 96k CONT | O | C | — | — | Z | L | L | Stereo 96kHz mode switching terminal, H: Mode on |
| 33 | VDD | VDD | I | — | — | — | — | — | — | Connect to +5V |
| 34 | P60 | E VOL CE2 | O | P | Id | — | L | L | L | E. volume control output (LC7536R), Center/S Woofer/Surround ch |
| 35 | P61 | E VOL CE1 | O | P | Id | — | L | L | L | E. volume control output (LC7536R), Front L/R ch |
| 36 | P62 | E VOL CLK | O | P | Id | — | L | H | L | E. volume control output (LC7536R) |
| 37 | P63 | E VOL DATA | O | P | Id | — | L | H | L | E. volume control output (LC7536R) |
| 38 | P64 | 96k DET | I | — | Id | — | L | L | L | 96kHz detect input, H: Detected (to ZR38601/GPIO1) |
| 39 | P65 | ERR MUTE | O | P | Id | — | L | H | H | Muting control for CODEC pop noise, H: Mute & power-on |
| 40 | P66 | Not used | O | P | Id | — | L | L | L | Fixed to L-out |

| Pin No. | Name | Symbol | I/O | Typ | OP | Det | Res | Ini | ST-BY | Function |
|---------|----------|-------------|-----|-----|----|-----|-----|-----|-------|---|
| 41 | P67 | Not used | O | P | Id | — | L | L | L | Fixed to L-out |
| 42 | P70 | TUNER MUTE | O | P | Id | — | H | H | H | Tuner mute output, H: Mute |
| 43 | P71 | Not used | O | P | Id | — | L | L | L | Fixed to L-out |
| 44 | P72 | FL CE | O | P | Id | — | L | H | H | FL display control output (LC75721) |
| 45 | P73 | STANDBY LED | O | P | Id | — | L | H | H | Standby LED driving output, H: Light |
| 46 | P74 | AC-3 LED | O | P | Id | — | L | L | L | AC-3 LED driving output, H: Light |
| 47 | P75 | LOCK LED | O | P | Id | — | L | L | L | Lock LED driving output, H: Light |
| 48 | P76 | Not used | O | P | Id | — | L | L | L | Fixed to L-out |
| 49 | P77 | VOL MUTE | O | P | Id | — | L | L | L | Master volume muting control, L: Mute |
| 50 | P80 | SW MUTE | O | P | Id | — | L | H | L | Sub-woofer output muting control, L: Mute |
| 51 | P81 | Not used | O | P | Id | — | L | L | L | Fixed to L-out |
| 52 | P82 | SP F | O | P | Id | — | L | H | L | Front speaker relay control output, L: Mute |
| 53 | P83 | SP C | O | P | Id | — | L | L | L | Center speaker relay control output, L: Mute |
| 54 | P84 | SP S | O | P | Id | — | L | L | L | Surround speaker relay control output, L: Mute |
| 55 | P85 | Not used | O | P | Id | — | L | L | L | Fixed to L-out |
| 56 | P86 | Not used | O | P | Id | — | L | L | L | Fixed to L-out |
| 57 | P87 | Not used | O | P | Id | — | L | L | L | Fixed to L-out |
| 58 | P90 | Not used | O | P | Id | — | L | L | L | Fixed to L-out |
| 59 | P91 | ZORANSS | O | P | Id | — | L | L | L | DSP control terminal (ZR38601) |
| 60 | P92 | Not used | O | P | Id | — | L | L | L | Fixed to L-out |
| 61 | P93 | Not used | O | P | Id | — | L | L | L | Fixed to L-out |
| 62 | P94 | ERR | I | — | Id | — | L | L | L | DIR ERR detect input, H: ERR (to ZR38601/GPIO0) |
| 63 | P95 | DTS | I | — | Id | — | L | L | L | DTS stream detect input, H: Detected (to ZR38601/GPIO5) |
| 64 | P96 | CSI | I | — | Id | — | L | — | — | Digital signal select terminal, H: PCM (to ZR38601/GPIO3) |
| 65 | P97 | Not used | O | P | Id | — | L | L | L | Fixed to L-out |
| 66 | VKK | VKK | I | — | — | — | — | — | — | Connect to GND |
| 67 | P40/KEY0 | A | O | N | Eu | — | Z | L | L | Video input control, H: Selected |
| 68 | P41/KEY1 | B | O | N | Eu | — | Z | L | L | Video input control, H: Selected |
| 69 | P42/KEY2 | C | O | N | Eu | — | Z | L | L | Video input control, H: Selected |
| 70 | P43/KEY3 | M VOL SEL B | I | — | Eu | Lv | Z | — | — | Master volume setting input (rotary encoder) |
| 71 | P44/KEY4 | M VOL SEL A | I | — | Eu | Lv | Z | — | — | Master volume setting input (rotary encoder) |
| 72 | P45/KEY5 | PO SW | I | — | Eu | Lv | Z | — | — | Power SW for USA and Japan versions |
| 73 | P46/CIN5 | MODE | I | — | Eu | Lv | Z | — | — | Destination select |
| 74 | P47/CIN4 | RDS SEL | I | — | Eu | Lv | Z | — | — | RDS on/off setting, H: On |
| 75 | P50/CIN3 | KEY4 | I | — | Eu | Lv | Z | — | — | Button input 4 |
| 76 | P51/CIN2 | KEY3 | I | — | Eu | Lv | Z | — | — | Button input 3 |
| 77 | P52/CIN1 | KEY2 | I | — | Eu | Lv | Z | — | — | Button input 2 |
| 78 | P53/CIN0 | KEY1 | I | — | Eu | Lv | Z | — | — | Button input 1 |
| 79 | P54 | Not used | O | N | Eu | — | L | L | L | Fixed to L-out |
| 80 | P55/PWW | SO | I | — | Eu | Lv | Z | — | — | DSP control terminal (ZR38601) |

NOTE:
 Pin No. : Terminal number of microcomputer.
 Port Name : The name entered in the data sheet of microcomputer.
 Symbol : Symbolized interface function.
 I/O : Input or out of part.
 Type : Composition of port in case of output port.
 Op : Pull up/Pull down selection information.
 Det : Indicates judging state of input port. Level detection is "LV"; Edge detection is "Ed"; Detection by both shifting is "E&L"; Serial data detection is "S" (Serial data output is also "S").
 Res : State at reset.
 Ini : Initial output state.
 Function : Function and logical level explanation of signals to be interface.

"I" = Input port
 "O" = Output port
 "C" = CMOS output
 "N" = NMOS open drain output
 "P" = PMOS open drain output
 "lu" = Inner microcomputer pull up
 "ld" = Inner microcomputer pull down
 "Eu" = External microcomputer pull up
 "Ed" = External microcomputer pull down
 "H" = Outputs High Level at reset
 "L" = Outputs Low Level at reset
 "Z" = Becomes High impedance mode at reset

AK4526A (IC240)

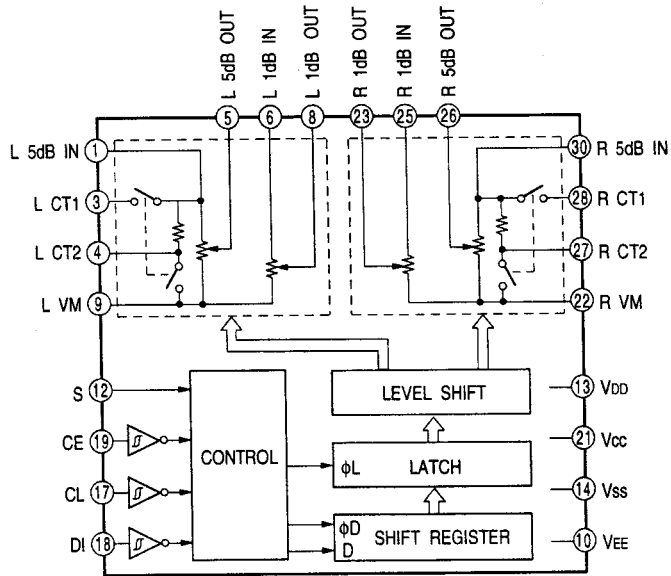
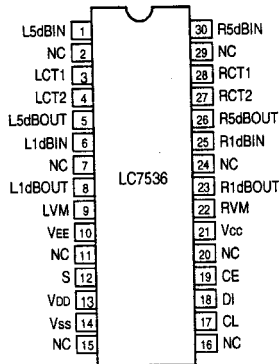
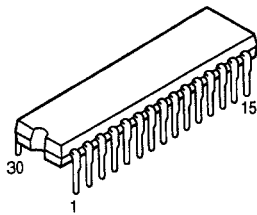


AK4526A Terminal Function

| Pin No. | Name | I/O | Function |
|---------|-------|-----|--|
| 1 | SDOS | I | SDTO Source select pin. "L": Internal ADC output, "H": DAUX input ORed with serial control register if P/S = "L". |
| 2 | OCKS | I | MCKO Clock frequency select pin. "L": MCLK, "H": MCLK/2, ORed with serial control register if P/S = "L". |
| 3 | M/S | I | Audio data master/slave mode select pin. "L": Slave mode, "H": Master mode. |
| 4 | BICK | I/O | Audio serial data clock pin. |
| 5 | LRCK | I/O | Input/Output channel clock pin. |
| 6 | SDTI1 | I | DAC1 Audio serial data input pin. |
| 7 | SDTI2 | I | DAC2 Audio serial data input pin. |
| 8 | SDTI3 | I | DAC3 Audio serial data input pin. |
| 9 | SDTO | O | Audio serial data output pin. |
| 10 | DAUX | I | AUX Audio serial data input pin. |
| 11 | DFS | I | Double speed sampling mode pin. "L": Normal speed, "H": Double speed, the ADC is powered down. ORed with serial control register if P/S = "L". |
| 12 | DEM1 | I | De-emphasis pin ORed with serial control register is P/S = "L". |
| 13 | DEM0 | I | De-emphasis pin. ORed with serial control register if P/S = "L". |
| 14 | MCKO | O | Master clock output pin. |
| 15 | DVDD | — | Digital power supply pin. |
| 16 | DVSS | — | Digital ground pin. |
| 17 | PD | I | Power-Down & reset pin. When "L", the AK4526A is powered-down and the control registers are reset to default state. If the state of P/S, M/S, CAD0-1 changes, then the AK4526A must be reset by PD. |
| 18 | XTS | I | X'tal oscillator Select/Test mode pin. "H": X'tal oscillator selected, "L": External clock source selected. |
| 19 | ICKS1 | I | Input clock select 1 pin. |
| 20 | ICKS0 | I | Input clock select 0 pin. |
| 21 | CAD1 | I | Chip address pin. Used during the serial control mode. |

| Pin No. | Name | I/O | Function |
|---------|---------------|--------|---|
| 22 | CAD0 | I | Chip address pin. Used during the serial control mode. |
| 23 | LOUT3 | O | Lch #3 analog output pin. |
| 24 | ROUT3 | O | Rch #3 analog output pin. |
| 25 | LOUT2 | O | Lch #2 analog output pin. |
| 26 | ROUT2 | O | Rch #2 analog output pin. |
| 27 | LOUT1 | O | Lch #1 analog output pin. |
| 28 | ROUT1 | O | Rch #1 analog output pin. |
| 29 | LIN- | I | Lch Analog negative input pin. |
| 30 | LIN+ | I | Lch analog positive input pin. |
| 31 | RIN- | I | Rch analog negative input pin. |
| 32 | RIN+ | I | Rch analog positive input pin. |
| 33 | VREFL | I | Negative voltage reference input pin, AVSS. |
| 34 | VCOM | O | Common voltage output pin, AVDD/2. Large external capacitor is used to reduce power-supply noise. |
| 35 | VREFH | I | Positive voltage reference input pin, AVDD. |
| 36 | AVDD | — | Analog power supply pin. |
| 37 | AVSS | — | Analog ground pin. |
| 38 | XTI | I | X'tal input pin. |
| 39 | XTO MCKI | O I | X'tal output pin if XTS = "H". External Master clock input pin if XTS = "L". |
| 40 | P/S | I | Parallel/Serial select pin. "L": Serial control mode, "H": Parallel control mode. |
| 41 | DIF0 CS | I I | Audio data interface format pin in parallel mode. Chip select pin in serial mode. |
| 42 | DIF1 CCLK | I I | Audio data interface format pin in parallel mode. Control data clock pin in serial mode. |
| 43 | LOOP0 CDTI | I I | Loopback mode pin in parallel mode. Enables digital loop-back from ADC to 3 DACs. Control data input pin in serial mode. |
| 44 | LOOP1 CDTO | I O | Loopback mode pin in parallel mode. Enable all 3 DAC channels to be input from SDTI1. Control data output pin in serial mode. |

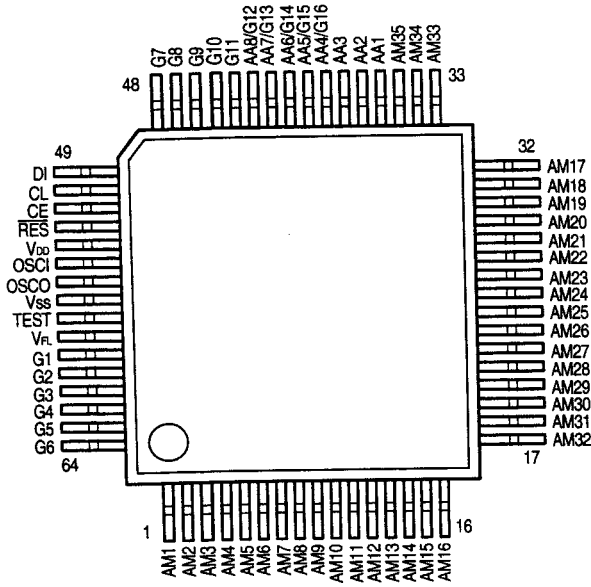
LC7536 (IC301 ~ 303)



LC7536 Terminal Function

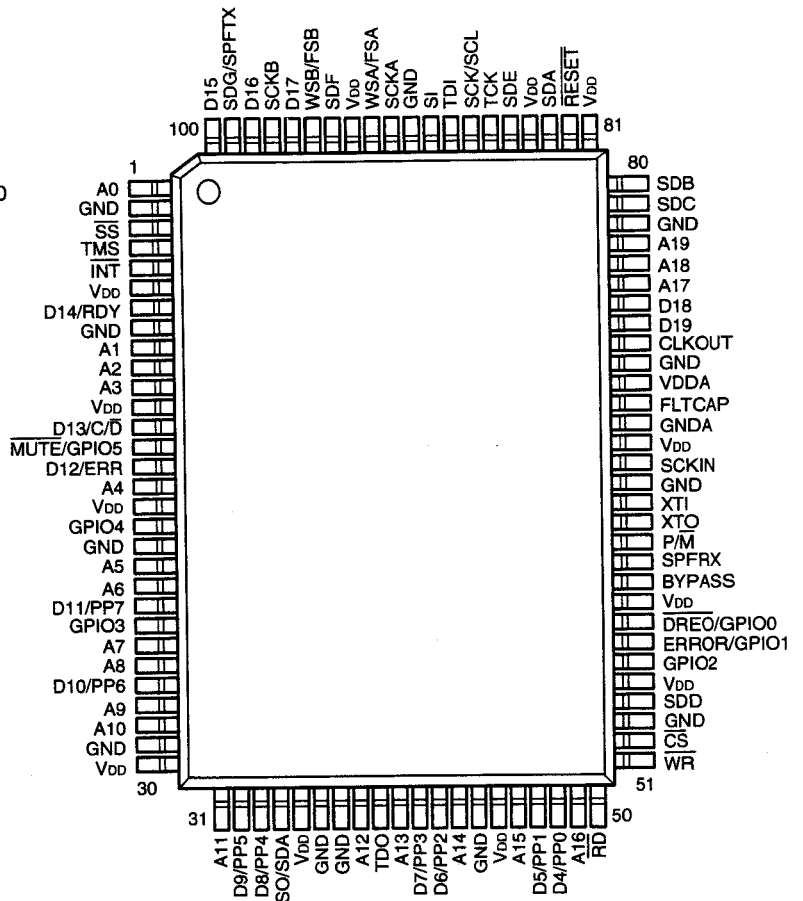
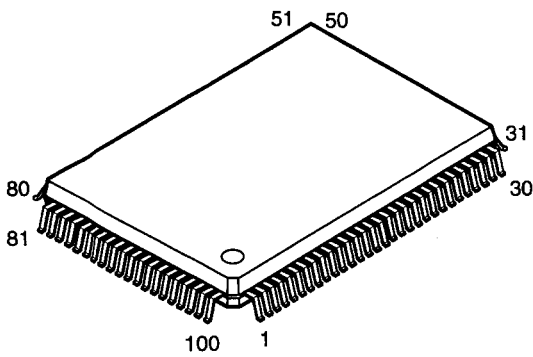
| Pin No. | Symbol | I/O | Function |
|---------|-----------|-----|---|
| 1 | L 5dB IN | I | Input terminal for 5dB step attenuator, it should be driven with low impedance path. |
| 2 | NC | - | No connection. |
| 3 | L CT1 | I | For loudness control, connect a capacitor between CT1 and 5dB IN with high frequency compensation, and also connect a capacitor between CT2 and Vm with low frequency compensation. |
| 4 | L CT2 | | |
| 5 | L 5dB OUT | O | Output terminal for 5dB step attenuator with approx. 1Mohm load impedance. |
| 6 | L 1dB IN | I | Input terminal for 1dB step attenuator, it should be driven with low impedance. |
| 7 | NC | - | No connection. |
| 8 | L 1dB OUT | O | Output terminal for 1dB step attenuator with approx. 47kohm ~ 1Mohm load impedance. |
| 9 | L VM | | Common terminal for volume control. |
| 10 | VEE | I | Connect to power supply. |
| 11 | NC | - | No connection. |
| 12 | S | | Selection terminal for address code during data format. |
| 13 | VDD | I | Connect to power supply (Pay attention to the rising time so that Vcc does rise up faster than VDD when the power turns). |
| 14 | VSS | I | Connect to power supply. |
| 15 | NC | - | No connection. |
| 16 | NC | - | No connection. |
| 17 | CL | I | Input terminal for controlling LC7536 serial data with 0 ~ 5V amplitude. |
| 18 | DI | | |
| 19 | CE | | |
| 20 | NC | | |
| 21 | Vcc | I | Connect power supply (Pay attention to the rising time so that Vcc does not rise up faster than VDD when the power turns). |
| 22 | R VM | | Common terminal for volume control. |
| 23 | R 1dB OUT | O | Output terminal for 1dB step attenuator with approx. 47kohm ~ 1Mohm load impedance. |
| 24 | NC | - | No connection. |
| 25 | R 1dB IN | I | Input terminal for 1dB step attenuator, it should be driven with low impedance. |
| 26 | R 5dB OUT | O | Output terminal for 5dB step attenuator with approx. 1Mohm load impedance. |
| 27 | R CT2 | I | For loudness control, connect a capacitor between CT1 and 5dB IN with high frequency compensation, and also connect a capacitor between CT2 and Vm with low frequency compensation. |
| 28 | R CT1 | | |
| 29 | NC | - | No connection. |
| 30 | R 5dB IN | I | Input terminal for 5dB step attenuator, it should be driven with low impedance path. |

LC75721E (IC701)

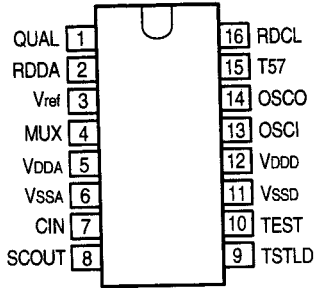
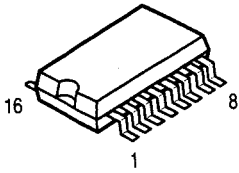


| Symbol | Function |
|----------|---|
| VDD | Power terminal +5V |
| VSS | Power terminal GND |
| VFL | Power terminal FL drive |
| DI | Serial data transfer terminal CI: Data CL: Clock CE: Chip enable |
| CL | |
| CE | |
| OSCI | External CR connecting terminal |
| OSCO | |
| RES | System reset terminal |
| AM1~AM35 | Anode output terminal |
| AA1~AA3 | |
| AA4/G16 | |
| AA5/G15 | |
| AA6/G14 | Anode/Grid output terminal |
| AA7/G13 | |
| AA8/G12 | |
| G1~G11 | Grid output terminal |
| TEST | LSI test terminal |

ZR38601 (IC221)



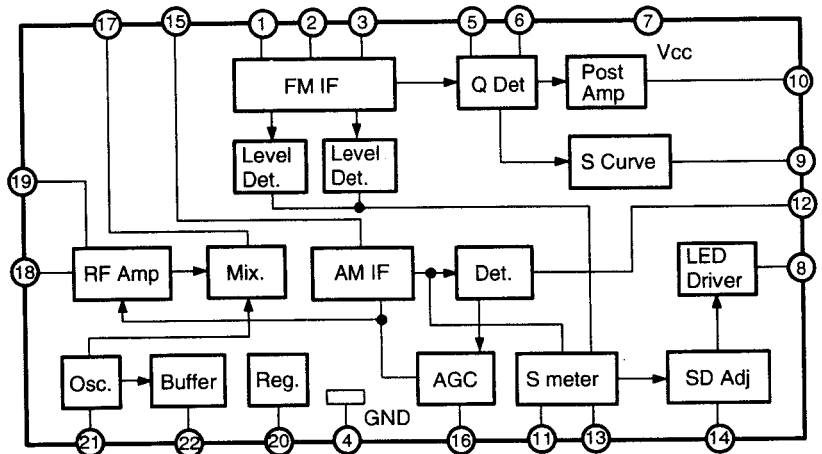
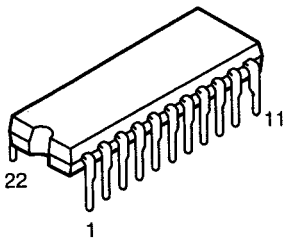
SAA6579T (IC091)



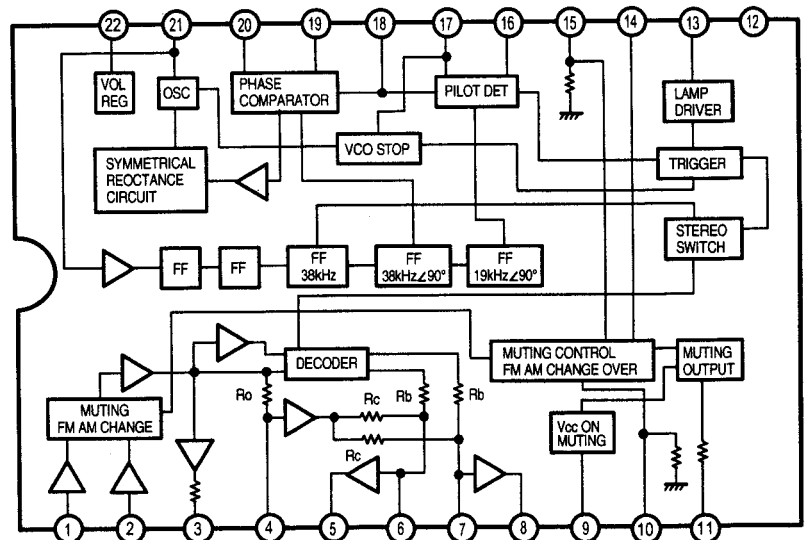
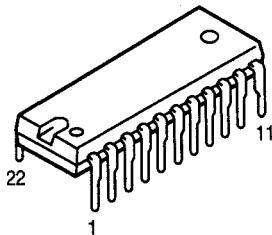
SAA6579T Terminal Function

| Pin No. | Symbol | Function |
|---------|--------|---|
| 1 | QUAL | Quality indication output. |
| 2 | RDDA | RDS data output. |
| 3 | Vref | Reference voltage output (0.5 VDDA). |
| 4 | MUX | Multiplex signal input. |
| 5 | VDDA | +5V supply voltage for analog part. |
| 6 | VSSA | Ground for analog part (0V). |
| 7 | CIN | Subcarrier input to comparator. |
| 8 | SCOUT | Subcarrier output of reconstruction filter. |
| 9 | MODE | Oscillation mode/test control input. |
| 10 | TEST | Test enable input. |
| 11 | VSSD | Ground for digital part (0V). |
| 12 | VDDD | +5V supply voltage for digital part. |
| 13 | OSCI | Oscillator input. |
| 14 | OSCO | Oscillator output. |
| 15 | T57 | 57 kHz clock signal output. |
| 16 | RDCL | RDS clock output. |

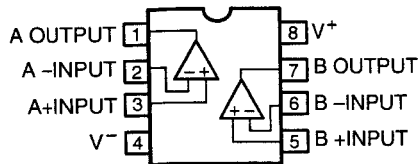
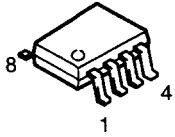
LA1265 (S) (IC001)



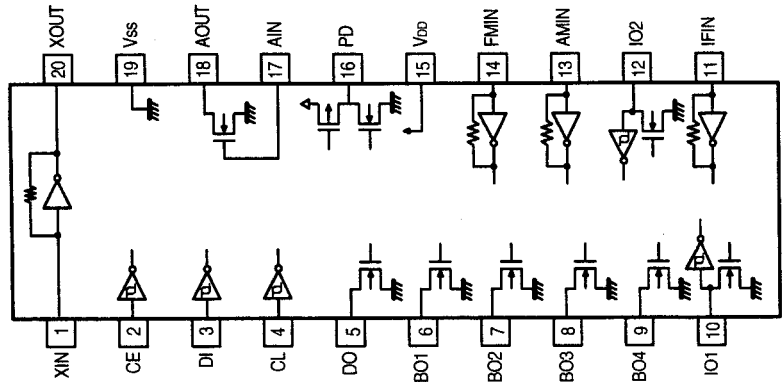
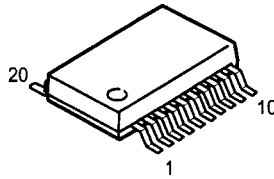
LA3401 (IC002)



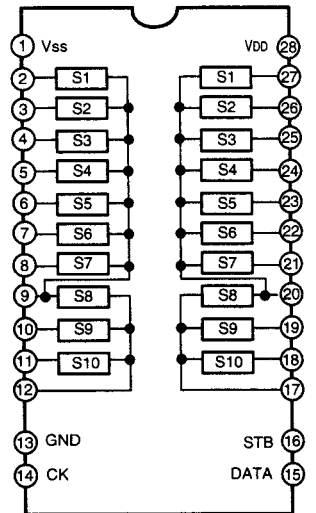
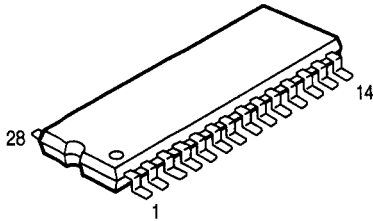
BA4558F
 (IC101, 151~154)
BA15218F
 (IC241~244, 304~309, 451, 752)



LC72131M (IC003)



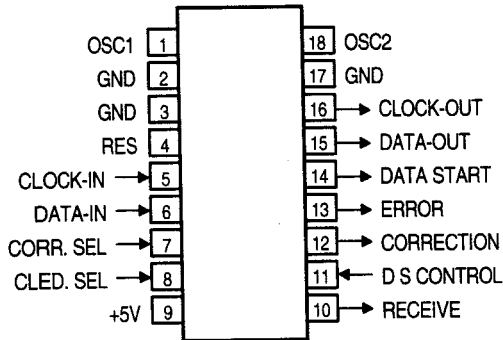
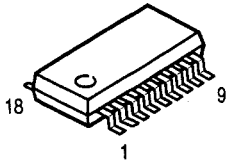
TC9273F-007 (IC102)



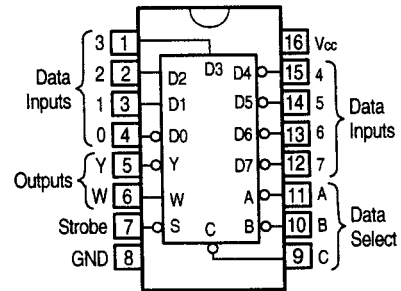
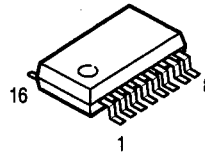
TC9273F Terminal Function

| Pin No. | Symbol | Name | Function | Note |
|---------------|--------|-----------------|--|--------------------------------|
| 1 | VSS | -Power Terminal | Dual Power Use: VDD = 8.0~17V Single Power Use: VDD = 8.0~18V GND = 0V VSS = -8.0~17V | — |
| 13 | GND | Digital Ground | | |
| 28 | VDD | +Power Terminal | | |
| 2~12 17~27 | S1~11 | I/O Terminal | Input terminal of analog switch. | — |
| 14 | CK | Clock Input | Clock input for data transfer. | Low level BorderInput Terminal |
| 15 | DATA | Data Input | Serial input for switch setting. | |
| 16 | STB | Strobe Input | Strobe input for data writing. | |

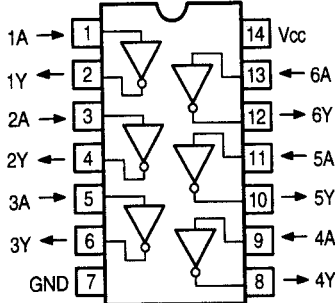
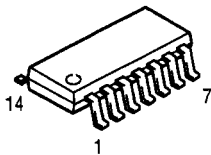
LC7074M (IC092)



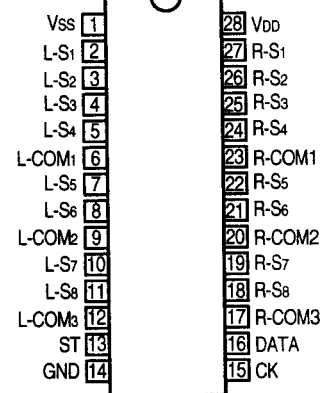
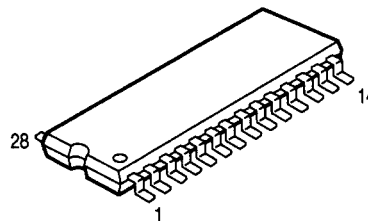
TC74HC151AF (IC204)



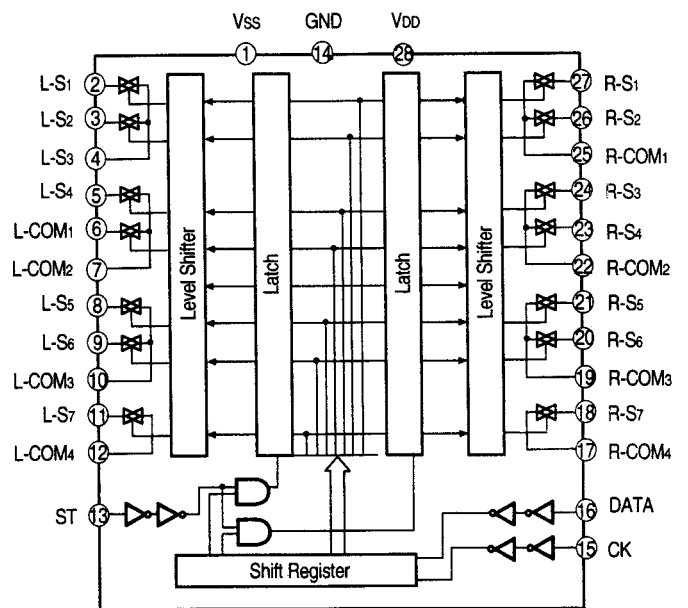
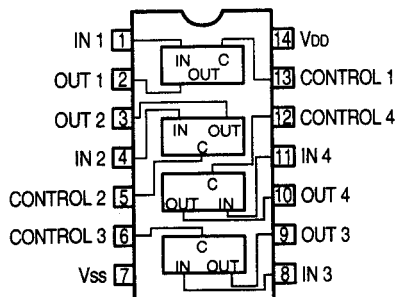
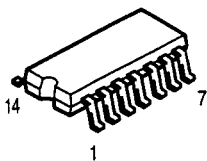
**TC74HCU04AF (IC202)
TC74HCT04AF (IC223, 224)**



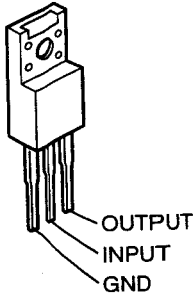
TC9164AF (IC951)



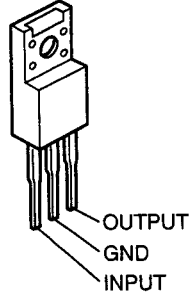
BU4066BCF (IC751)



KIA7912PI (IC805)

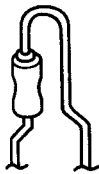


**BA033T (IC222)
KIA7812PI (IC804)
KIA7805PI (IC802)
KIA7806PI (IC803)
KIA7809PI (IC004)**



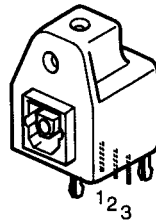
● **IC PROTECTOR**

1A (ICP901, 902)

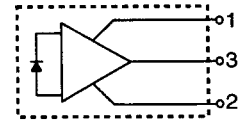


● **OPTICAL**

INPUT GP1F37R (IC201)

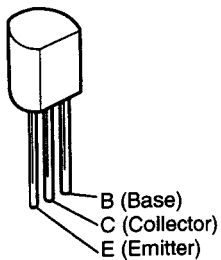


- 1. Vcc
- 2. GND
- 3. Vout

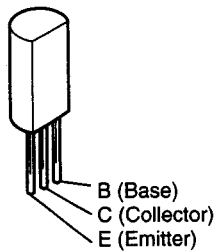


● **TRANSISTORS**

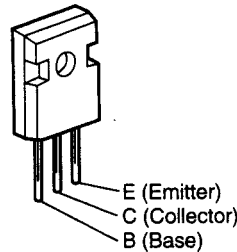
**2SA970 (BL)
2SA988 (E/F)
2SC1815 (GR)
2SC1841 (E/F)
2SC2878 (A/B)**



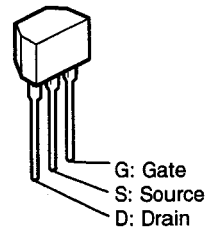
**2SB647A (C)
2SD667A (C)**



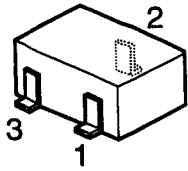
**2SA1633 (E/F)
2SC4278 (E/F)**



2SK161

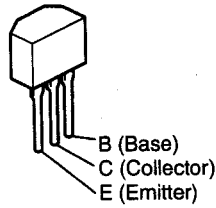


2SB709A
2SD601A



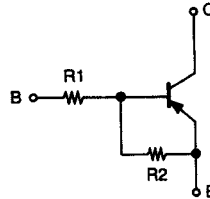
1: Emitter
2: Base
3: Collector

DTA114ES
DTA114TS
DTC144TS
DTC323TS



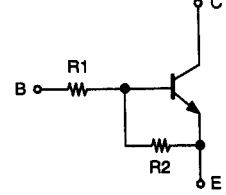
DTA114ES
DTA114TS

PNP Type



DTC144TS
DTC323TS

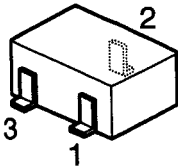
NPN Type



| | R1 | R2 |
|----------|---------|---------|
| DTA114ES | 10 kohm | 10 kohm |
| DTA114TS | 10 kohm | — |

| | R1 | R2 |
|----------|----------|----|
| DTC144TS | 47 kohm | — |
| DTC323TS | 2.2 kohm | — |

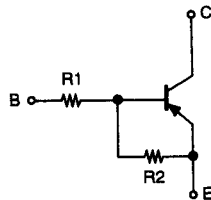
UN2111
UN2113
UN211L
UN2211
UN2213



1: GND/Emitter
2: Out/Collector
3: In/Base

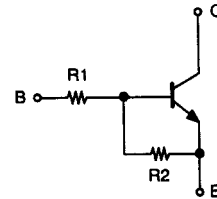
UN2111
UN2113
UN211L

PNP Type



UN2211
UN2213

NPN Type

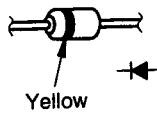


| | R1 | R2 |
|--------|----------|----------|
| UN2111 | 10 kohm | 10 kohm |
| UN2113 | 47 kohm | 47 kohm |
| UN211L | 4.7 kohm | 4.7 kohm |

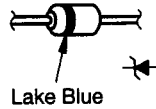
| | R1 | R2 |
|--------|---------|---------|
| UN2211 | 10 kohm | 10 kohm |
| UN2213 | 47 kohm | 47 kohm |

● DIODES

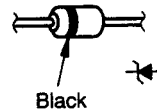
1SS133



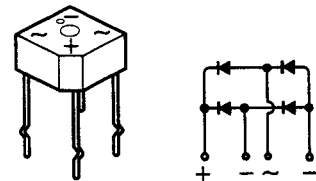
HZS6C-2
HZS33-2



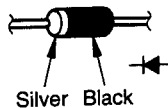
MTZJ3.3A
MTZJ7.5A
MTZJ9.1A



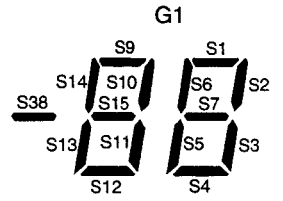
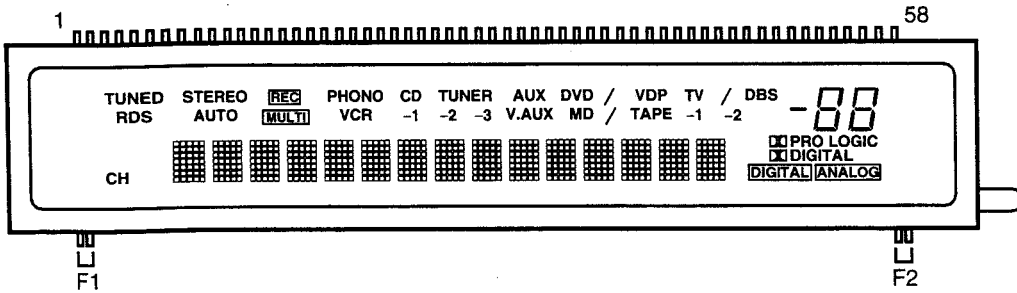
S4VB20



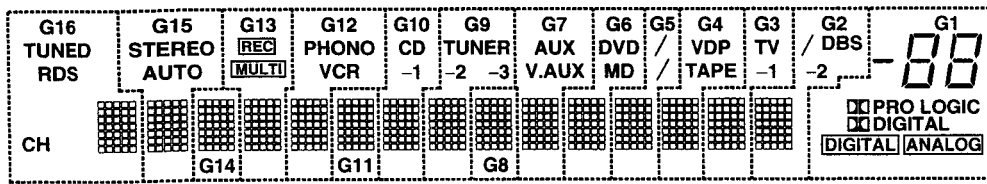
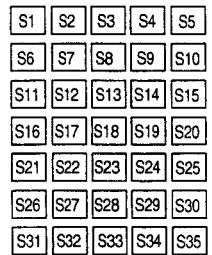
1N4001



FL DISPLAY CM1690C (FL701)



G2~G16



Pin Assignment

| | | | | | | | | | | | | | | | | | | | | |
|------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| PIN NO. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| CONNECTION | F1 | F1 | S1 | S2 | S3 | S4 | S5 | S6 | S7 | S8 | S9 | S10 | S11 | S12 | S13 | S14 | S15 | S16 | S17 | S18 |
| PIN NO. | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 |
| CONNECTION | S19 | S20 | S21 | S22 | S23 | S24 | S25 | S26 | S27 | S28 | S29 | S30 | S31 | S32 | S33 | S34 | S35 | S36 | S37 | S38 |
| PIN NO. | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | | |
| CONNECTION | G16 | G15 | G14 | G13 | G12 | G11 | G10 | G9 | G8 | G7 | G6 | G5 | G4 | G3 | G2 | G1 | F2 | F2 | | |

F1,F2 : Filament
 G1-G16 : Grid
 S1-S38 : Anode

Anode & Grid Assignment

| | G1 | G2-G16 | | G1 | G2-G16 | | G1 | G2-G16 | | G1 | G2-G16 |
|----|-----|--------|-----|-----------|--------|-----|-----|--------|-----|-----|--------|
| S1 | S1 | S1 | S10 | S10 | S10 | S19 | --- | S19 | S28 | --- | S28 |
| S2 | S2 | S2 | S11 | S11 | S11 | S20 | --- | S20 | S29 | --- | S29 |
| S3 | S3 | S3 | S12 | S12 | S12 | S21 | --- | S21 | S30 | --- | S30 |
| S4 | S4 | S4 | S13 | S13 | S13 | S22 | --- | S22 | S31 | --- | S31 |
| S5 | S5 | S5 | S14 | S14 | S14 | S23 | --- | S23 | S32 | --- | S32 |
| S6 | S6 | S6 | S15 | S15 | S15 | S24 | --- | S24 | S33 | --- | S33 |
| S7 | S7 | S7 | S16 | --- | S16 | S25 | --- | S25 | S34 | --- | S34 |
| S8 | --- | S8 | S17 | DIGITAL | S17 | S26 | --- | S26 | S35 | --- | S35 |
| S9 | S9 | S9 | S18 | PRO LOGIC | S18 | S27 | --- | S27 | | | |

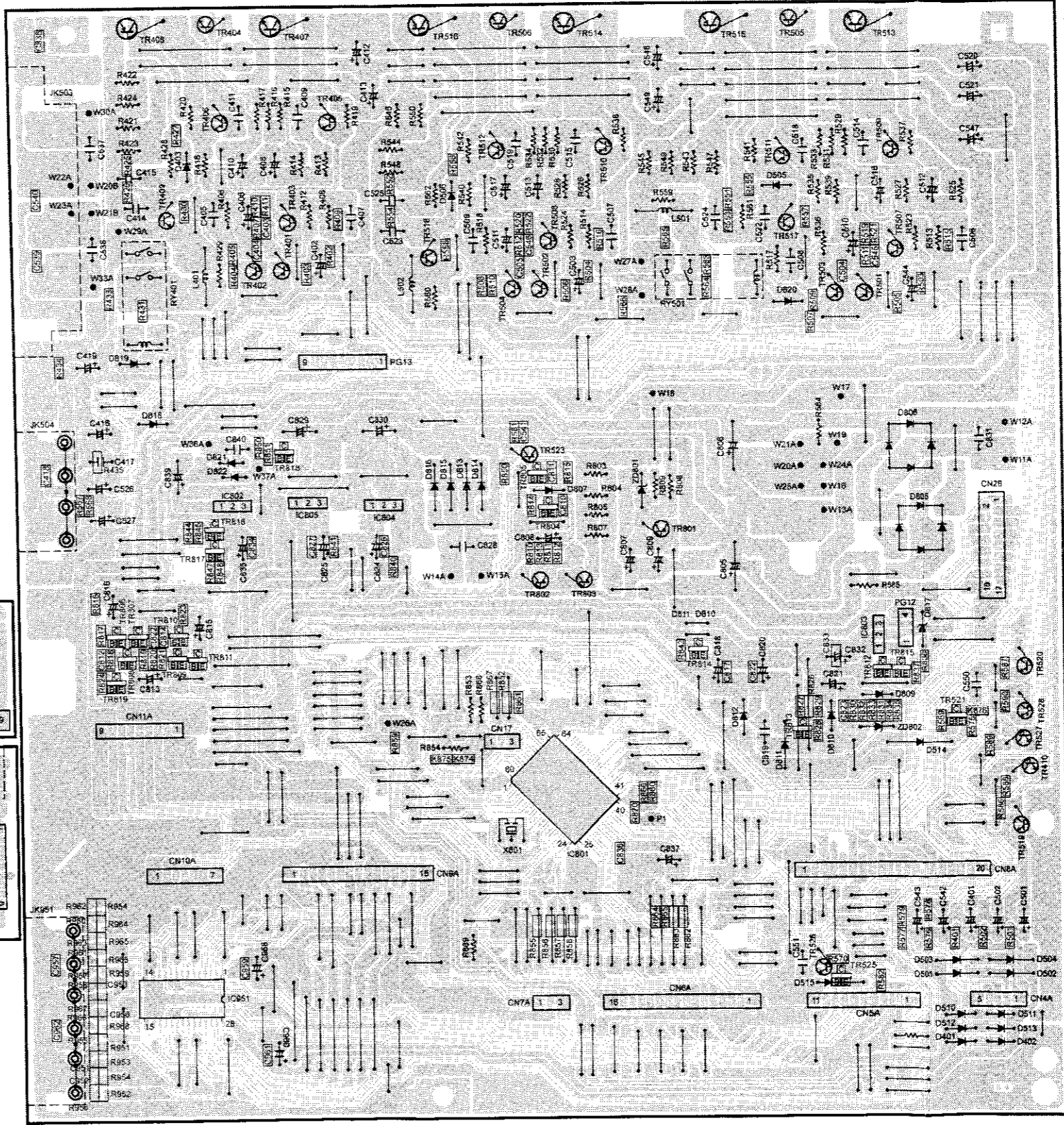
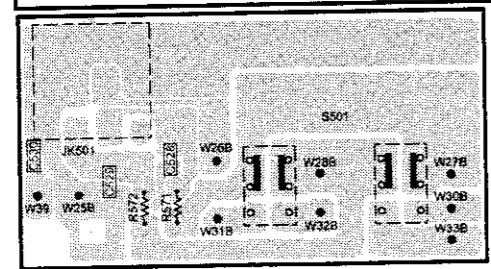
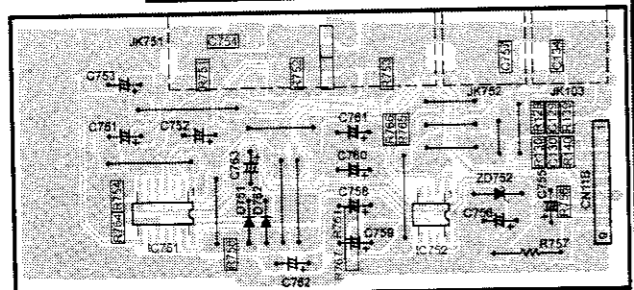
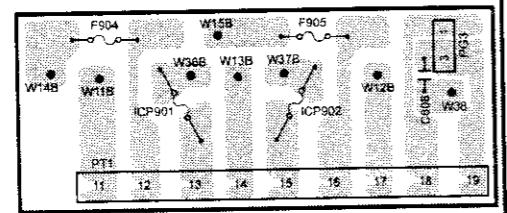
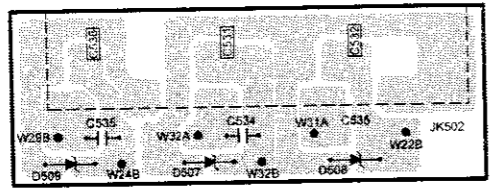
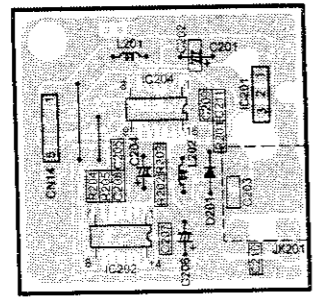
| | G1 | G2 | G3 | G4 | G5 | G6 | G7 | G8 | G9 | G10 | G11 | G12 | G13 | G14 | G15 | G16 |
|-----|---------|-----|-----|------|--------|-----|-------|-----|-------|-----|-----|-------|-------|-----|--------|-------|
| S36 | DIGITAL | / | TV | VDP | ((DVD) | DVD | AUX | --- | TUNER | CD | --- | PHONO | REC | --- | STEREO | TUNED |
| S37 | ANALOG | -2 | -1 | TAPE | ((MD) | MD | V.MAX | --- | -2 | -1 | --- | VCR | MULTI | --- | AUTO | RDS |
| S38 | S38 | DBS | --- | --- | --- | --- | --- | --- | -3 | --- | --- | --- | --- | --- | --- | CH |

PRINTED WIRING BOARDS

MAIN P.W.B. UNIT ASS'Y

1 2 3 4 5 6 7 8

A
B
C
D
E



1 2 3 4 5 6 7 8

TUNER P.W.B. UNIT ASS'Y

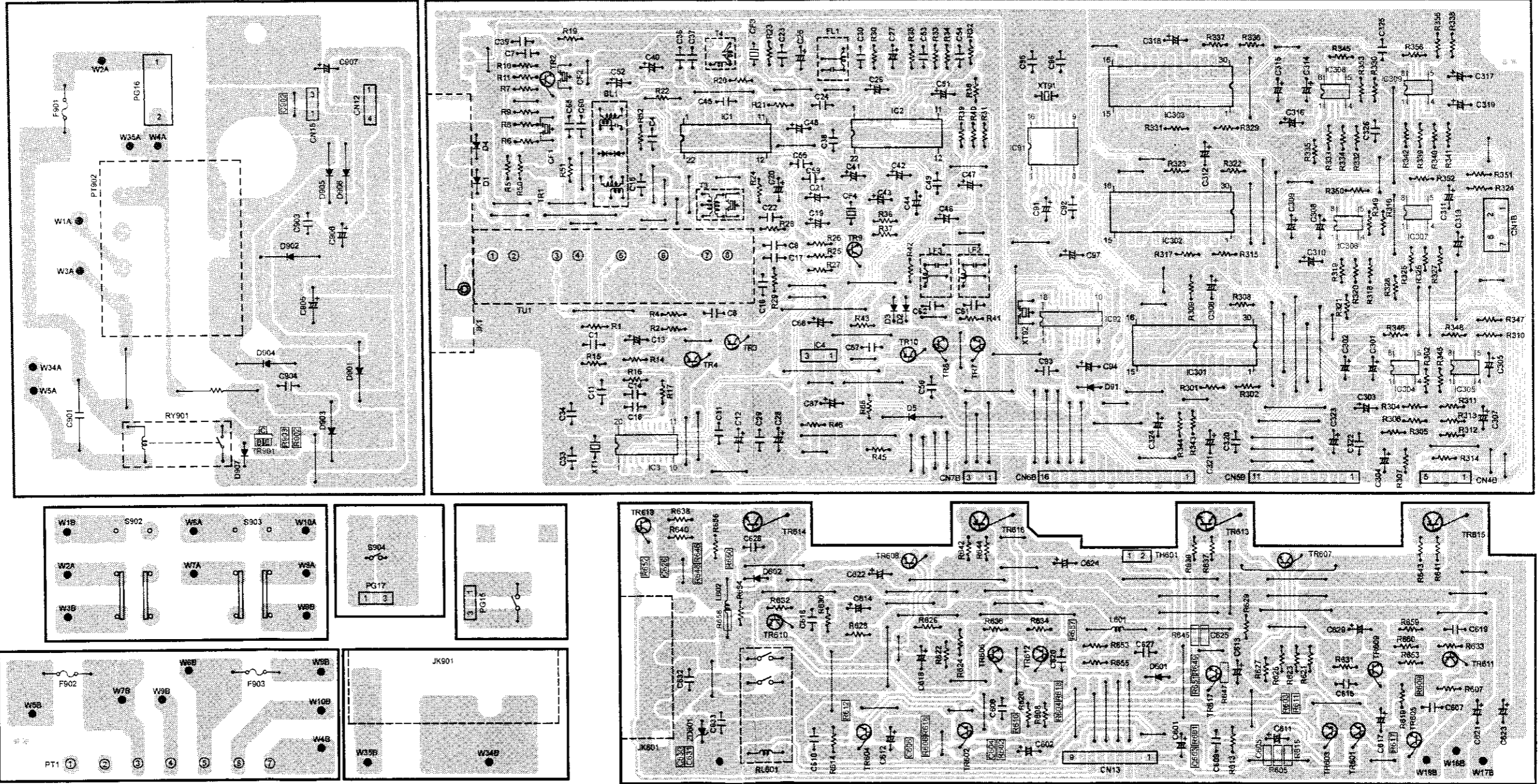
A

B

C

D

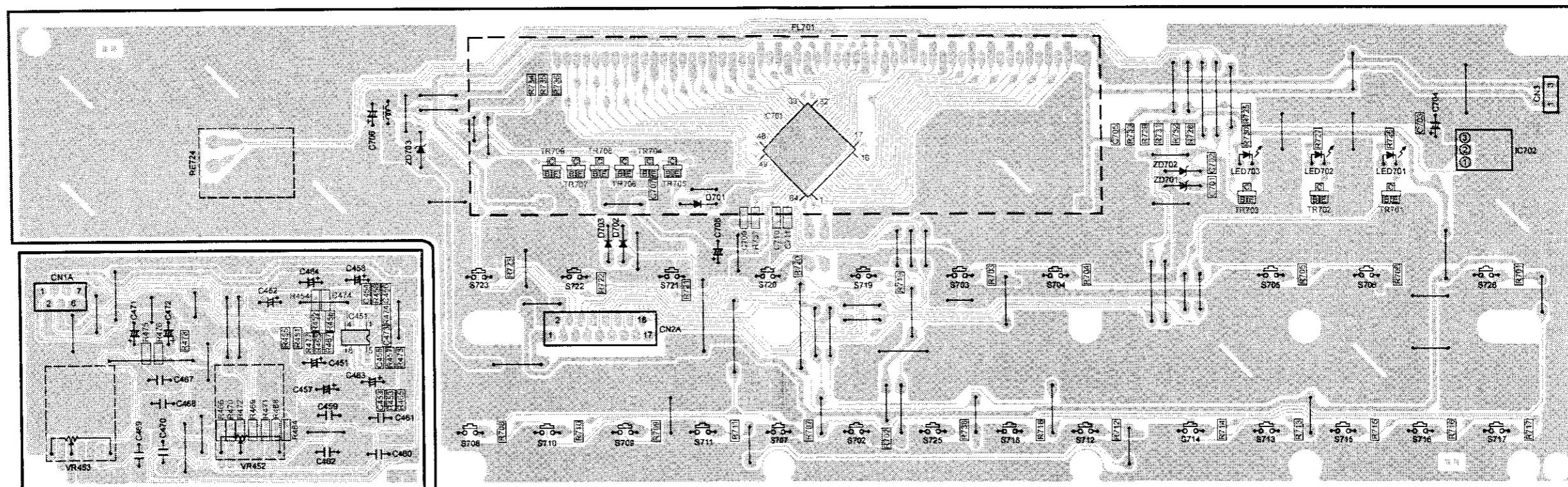
E



1 2 3 4 5 6 7 8

FL P.W.B. UNIT ASS'Y


A
B
C
D
E



NOTE FOR PARTS LIST

- Part indicated with the mark "⊙" are not always in stock and possibly to take a long period of time for supplying, or in some case supplying of part may be refused.
- When ordering of part, clearly indicate "1" and "1" (i) to avoid mis-supplying.
- Ordering part without stating its part number can not be supplied.
- Part indicated with the mark "★" is not illustrated in the exploded view.
- Not including Carbon Film ±5%, 1/4W Type in the P.W.Board parts list. (Refer to the Schematic Diagram for those parts.)

WARNING:

Parts marked with this symbol  have critical characteristics.
Use ONLY replacement parts recommended by the manufacturer.

● Resistors

Ex.: RN 14K 2E 182 G FR
 Type Shape Power Resist- Allowable Others
 and per- stance- error
 performance

| | | | |
|-----------------------|-----------|----------|--------------------------|
| RD : Carbon | 2B : 1/8W | F : ±1% | P : Pulse-resistant type |
| RC : Composition | 2E : 1/4W | G : ±2% | NL : Low noise type |
| RS : Metal oxide film | 2H : 1/2W | J : ±5% | NB : Non-burning type |
| RW : Winding | 3A : 1W | K : ±10% | FR : Fuse-resistor |
| RN : Metal film | 3D : 2W | M : ±20% | F : Lead wire forming |
| RK : Metal mixture | 3F : 3W | | |
| | 3H : 5W | | |

* Resistance

1 8 2 ⇒ 1800 ohm = 1.8 kohm
 Indicates number of zeros after effective number.
 2-digit effective number.

• Units: ohm

1 R 2 ⇒ 1.2 ohm
 1-digit effective number.
 2-digit effective number, decimal point indicated by R.

• Units: ohm

● Capacitors

Ex.: CE 04W 1H 2R2 M BP
 Type Shape Dielectric Capacity Allowable Others
 and per- strength error
 performance

| | | | |
|----------------------------------|-----------|-------------|----------------------------------|
| CE : Aluminum foil electrolytic | 0J : 6.3V | F : ±1% | HS : High stability type |
| CA : Aluminum solid electrolytic | 1A : 10V | G : ±2% | BP : Non-polar type |
| CS : Tantalum electrolytic | 1C : 16V | J : ±5% | HR : Ripple-resistant type |
| CQ : Film | 1E : 25V | K : ±10% | DL : For charge and discharge |
| CK : Ceramic | 1V : 35V | M : ±20% | HF : For assuring high frequency |
| CC : Ceramic | 1H : 50V | Z : +80% | U : UL part |
| CP : Oil | 2A : 100V | -20% | C : CSA part |
| CM : Mica | 2B : 125V | P : +100% | W : UL-CSA type |
| CF : Metallized | 2C : 160V | -0% | F : Lead wire forming |
| CH : Metallized | 2D : 200V | C : ±0.25pF | |
| | 2E : 250V | D : ±0.5pF | |
| | 2H : 500V | = : Others | |
| | 2J : 630V | | |

* Capacity (electrolyte only)

2 2 2 ⇒ 2200μF
 Indicates number of zeros after effective number.
 2-digit effective number.

• Units: μF.

2 R 2 ⇒ 2.2μF
 1-digit effective number.
 2-digit effective number, decimal point indicated by R.

• Units: μF.

* Capacity (except electrolyte)

2 2 2 ⇒ 2200pF=0.0022μF
 (More than 2) — Indicates number of zeros after effective number.
 2-digit effective number.

• Units: μF.

2 2 1 ⇒ 220pF
 (0 or 1) — Indicates number of zeros after effective number.
 2-digit effective number.

• Units: pF.

• When the dielectric strength is indicated in AC, "AC" is included after the dielectric strength value.

PARTS LIST OF P.W.B. UNIT
MAIN P.W.B. UNIT ASS'Y

| Ref. No. | Part No. | Part Name | Remarks | Ref. No. | Part No. | Part Name | Remarks |
|-----------------------------|--------------|---------------------------------|---------|-----------------------------|--------------|---------------------------|-----------------|
| SEMICONDUCTORS GROUP | | | | SEMICONDUCTORS GROUP | | | |
| IC201 | 269 0172 003 | Optical digital input (GP1F37R) | | D501-506 | 9L2 3989 21T | Diode 1SS133 | |
| IC202 | 9LC K077 81R | IC TC74HCU04AF | | D510-516 | 9L2 3989 21T | Diode 1SS133 | |
| IC204 | 262 2213 901 | IC TC74HC151AF | | D751,752 | 9L2 3989 21T | Diode 1SS133 | |
| IC751 | 262 1875 007 | IC BU4066BCF | | D805,806 | 276 0305 001 | Diode S4VB20 | |
| IC752 | 9LC K150 81R | IC BA15218F | | D807 | 9L2 3989 21T | Diode 1SS133 | |
| IC801 | 9LC K321 12 | IC TMP87CS71AF | | D809,810 | 9L2 3989 21T | Diode 1SS133 | |
| IC802 | 9LC P024 11 | IC KIA7805PI | | D811 | 9L2 3980 62T | Diode 1N4001 | |
| IC803 | 9LC P024 12 | IC KIA7806PI | | D812 | 9L2 3989 21T | Diode 1SS133 | |
| IC804 | 9LC P024 16 | IC KIA7812PI | | D813-816 | 9L2 3980 62T | Diode 1N4001 | |
| IC805 | 9LC P055 42 | IC KIA7912PI | | D818-820 | 9L2 3989 21T | Diode 1SS133 | |
| IC951 | 9LC K320 21R | IC TC9164AF | | D821,822 | 9L2 3980 62T | Diode 1N4001 | |
| TR401,402 | 271 0094 016 | Transistor 2SA970(BL) | | D507-509 | 276 0463 914 | Zener diode HZS6C-2 | |
| TR403 | 273 0235 020 | Transistor 2SC1841(F/E) | | ZD752 | 276 0463 914 | Zener diode HZS6C-2 | |
| TR404 | 273 0198 028 | Transistor 2SC1815(GR) | | ZD801 | 276 0484 919 | Zener diode HZS33-2 | |
| TR405 | 274 0060 007 | Transistor 2SD667A(C) | | ZD802 | 276 0634 905 | Zener diode MTZJ3.3A | |
| TR406 | 272 0053 005 | Transistor 2SB647A(C) | | D817 | 276 0644 911 | Zener diode MTZJ7.5A | |
| TR409 | 273 0235 020 | Transistor 2SC1841(F/E) | | Δ ICP901 | 9LF N002 57M | Protector 1A | |
| TR410 | 273 0253 015 | Transistor 2SC2878(A/B) | | Δ ICP902 | 9LF N002 57M | Protector 1A | |
| TR501-504 | 271 0094 016 | Transistor 2SA970(BL) | | RESISTORS GROUP | | | |
| TR505,506 | 273 0198 028 | Transistor 2SC1815(GR) | | R129,130 | | Carbon chip 1Mohm 1/32W | RMC73M-1F105JR |
| TR507,508 | 273 0235 020 | Transistor 2SC1841(F/E) | | R139,140 | | Carbon Chip 470ohm 1/32W | RMC73M-1F471JR |
| TR509,510 | 274 0060 007 | Transistor 2SD667A(C) | | R201 | | Carbon chip 4.7kohm 1/32W | RMC73M-1F472JR |
| TR511,512 | 272 0053 005 | Transistor 2SB647A(C) | | R202 | | Carbon chip 75ohm 1/32W | RMC73M-1F750JR |
| TR517,518 | 273 0235 020 | Transistor 2SC1841(F/E) | | R203 | | Carbon Chip 100ohm 1/32W | RMC73M-1F101JR |
| TR519,520 | 273 0253 015 | Transistor 2SC2878(A/B) | | R204 | | Carbon chip 2.2kohm 1/32W | RMC73M-1F222JR |
| TR521 | 269 0132 904 | Transistor UN2111 | | R205 | | Carbon chip 47kohm 1/32W | RMC73M-1F473JR |
| TR523 | 271 0131 021 | Transistor 2SA988(F/E) | | R401 | | Carbon chip 4.7kohm 1/32W | RMC73M-1F472JR |
| TR525 | 269 0132 904 | Transistor UN2111 | | R402 | | Carbon chip 27kohm 1/32W | RMC73M-1F273JR |
| TR526-528 | 273 0253 015 | Transistor 2SC2878(A/B) | | R403 | | Carbon Chip 220ohm 1/32W | RMC73M-1F221JR |
| TR801 | 272 0053 005 | Transistor 2SB647(C) | | R404 | | Carbon chip 10kohm 1/32W | RMC73M-1F103JR |
| TR802,803 | 269 0132 904 | Transistor 2SA988(F/E) | | R405 | | Carbon chip 470kohm 1/32W | RMC73M-1F474JR |
| TR804 | 274 0163 904 | Transistor 2SD601A | | R406 | | Carbon film 33kohm 1/16W | RD14S1J333JB |
| TR805 | 272 0125 904 | Transistor 2SB709A | | R407 | | Carbon chip 33kohm 1/32W | RMC73M-1F333JR |
| TR806-809 | 274 0163 904 | Transistor 2SD601A | | Δ R408 | 9LA T037 01R | Fusible 1.5kohm 1/4W(FR) | RN45B2E152JB-FR |
| TR810 | 272 0125 904 | Transistor 2SB709A | | R409 | | Carbon Chip 330ohm 1/32W | RMC73M-1F331JR |
| TR811 | 274 0163 904 | Transistor 2SD601A | | R410 | | Carbon chip 1.6kohm 1/32W | RMC73M-1F162JR |
| TR812 | 9LC A011 31R | Transistor UN2111L | | R411 | | Carbon chip 47kohm 1/32W | RMC73M-1F473JR |
| TR813 | 274 0163 904 | Transistor 2SD601A | | Δ R412 | 9LA T037 02R | Fusible 47ohm 1/4W(FR) | RN45B2E470JB-FR |
| TR814 | 269 0132 904 | Transistor UN2111 | | R413,414 | 9LA T011 29R | Metal oxide 5.6kohm 1W | RE562J0001ST |
| TR815-819 | 274 0163 904 | Transistor 2SD601A | | R415 | | Carbon film 30kohm 1/16W | RD14S1J303JB |
| D201 | 9L2 3989 21T | Diode 1SS133 | | R416 | | Carbon film 1.2kohm 1/16W | RD14S1J122JB |
| D202,203 | 9LC C000 03R | Diode 1SS355 | | R417 | | Carbon film 1.3kohm 1/16W | RD14S1J132JB |
| D401-403 | 9L2 3989 21T | Diode 1SS133 | | | | | |

| Ref. No. | Part No. | Part Name | Remarks | Ref. No. | Part No. | Part Name | Remarks |
|---------------------|-------------------------|-------------------------------------|----------------------------|-----------------|-------------------------|-----------------------------------|----------------------------|
| R418 | 9LA T012 57R | Carbon film 330ohm 1/4W (NB) | RDF25S331JT | R578,579 | | Carbon chip 27kohm 1/32W | RMC73M-1F273JR |
| R419,420 | 9LA T011 91R | Metal film 1ohm 1/4W(NB) | RNF2E010FT | R580 | | Carbon chip 13kohm 1/32W | RMC73M-1F133JR |
| R421-424 | 9LA T010 12R | Metal oxide 0.22ohm 1W | RER22J0001NT | R581,582 | | Carbon chip 10kohm 1/32W | RMC73M-1F103JR |
| R425 | | Carbon chip 20kohm 1/32W | RMC73M-1F203JR | R583 | | Carbon film 10kohm 1/16W | RD14S1J103JB |
| R426 | | Carbon chip 100kohm 1/32W | RMC73M-1F104JR | R584,585 | | Carbon film 15kohm 1/16W | RD14S1J153JB |
| R427 | | Carbon chip 270kohm 1/32W | RMC73M-1F274JR | R586-590 | | Carbon chip 10kohm 1/32W | RMC73M-1F103JR |
| R428 | 9LA T010 56R | Metal oxide 10ohm 1W | RE100J0001ST | R591,592 | | Carbon film 1.8kohm 1/16W | RD14S1J182JB |
| R429 | 9LA T012 17R | Carbon film 10ohm 1/4W (NB) | RDF25S100JT | | | | |
| R430 | | Carbon chip 22kohm 1/32W | RMC73M-1F223JR | R751-573 | | Carbon chip 75ohm 1/32W | RMC73M-1F750JR |
| R431 | | Carbon chip 20kohm 1/32W | RMC73M-1F203JR | R754 | | Carbon chip 10kohm 1/32W | RMC73M-1F103JR |
| R433 | | Carbon chip 8.2kohm 1/32W | RMC73M-1F822JR | R756 | | Carbon chip 8.2kohm 1/32W | RMC73M-1F822JR |
| R434 | | Carbon chip 750ohm 1/32W | RMC73M-1F751JR | R757 | | Carbon film 330ohm 1/16W | RD14S1J331JB |
| R435 | | Carbon chip 100kohm 1/32W | RMC73M-1F104JR | R758 | | Carbon chip 10kohm 1/32W | RMC73M-1F103JR |
| R436 | | Carbon film 1.8kohm 1/16W | RD14S1J182JB | R761 | | Carbon chip 75ohm 1/32W | RMC73M-1F750JR |
| | | | | R764 | | Carbon chip 10kohm 1/32W | RMC73M-1F103JR |
| R501,502 | | Carbon chip 4.7kohm 1/32W | RMC73M-1F472JR | R765 | | Carbon chip 22kohm 1/32W | RMC73M-1F223JR |
| R503,504 | | Carbon chip 27kohm 1/32W | RMC73M-1F273JR | R766 | | Carbon chip 75ohm 1/32W | RMC73M-1F750JR |
| R505 | | Carbon Chip 220ohm 1/32W | RMC73M-1F221JR | R767 | | Carbon chip 22kohm 1/32W | RMC73M-1F223JR |
| R506 | | Carbon Chip 220ohm 1/32W | RMC73M-1F221JR | | | | |
| R507,508 | | Carbon chip 10kohm 1/32W | RMC73M-1F103JR | R803-806 | 9LA T010 12R | Metal oxide 0.22ohm 1W | RER22J0001NT |
| R509,510 | | Carbon chip 470kohm 1/32W | RMC73M-1F474JR | R807 | | Carbon film 1kohm 1/16W | RD14S1J102JB |
| R511,512 | | Carbon chip 33kohm 1/32W | RMC73M-1F333JR | R808 | 9LA T011 74R | Fusible 68ohm 1/4W(FR) | RN14B2E680JB-FR |
| R513,514 | 9LA T037 01R | Fusible 1.5kohm 1/4W(FR) | RN45B2E152JB-FR | R809 | | Carbon film 3.9kohm 1/16W | RD14S1J392JB |
| R515,516 | | Carbon Chip 330ohm 1/32W | RMC73M-1F331JR | R810 | | Carbon chip 560kohm 1/32W | RMC73M-1F564JR |
| R517,518 | | Carbon film 33kohm 1/16W | RD14S1J333JB | R811 | | Carbon chip 22kohm 1/32W | RMC73M-1F223JR |
| R519,520 | | Carbon chip 1.6kohm 1/32W | RMC73M-1F162JR | R812 | | Carbon chip 560kohm 1/32W | RMC73M-1F564JR |
| R521,522 | | Carbon chip 47kohm 1/32W | RMC73M-1F473JR | R813 | | Carbon chip 3.6kohm 1/32W | RMC73M-1F362JR |
| R523,524 | 9LA T037 02R | Fusible 47ohm 1/4W(FR) | RN45B2E470JB-FR | R814 | | Carbon Chip 120ohm 1/32W | RMC73M-1F121JR |
| R525-528 | 9LA T011 29R | Metal oxide 5.6kohm 1W | RE562J0001ST | R815 | | Carbon chip 2.7kohm 1/32W | RMC73M-1F272JR |
| R529,530 | | Carbon film 30kohm 1/16W | RD14S1J303JB | R816 | | Carbon chip 390kohm 1/32W | RMC73M-1F394JR |
| R531,532 | | Carbon film 1.2kohm 1/16W | RD14S1J122JB | R817 | | Carbon Chip 47ohm 1/32W | RMC73M-1F470JR |
| R533,534 | | Carbon film 1.3kohm 1/16W | RD14S1J132JB | R818 | | Carbon chip 4.7kohm 1/32W | RMC73M-1F472JR |
| R535 | 9LA T012 08R | Carbon film 4.7ohm 1/4W (NB) | RDF25S4R7JT | R819 | | Carbon Chip 47ohm 1/32W | RMC73M-1F470JR |
| R536 | 9LA T037 03R | Fusible 4.7ohm 1/4W(FR) | RN45B2E4R7JB-FR | R820 | | Carbon chip 1kohm 1/32W | RMC73M-1F102JR |
| R537,538 | 9LA T011 91R | Metal film 1ohm 1/4W(NB) | RNF2E010FT | R821 | | Carbon Chip 4.7ohm 1/32W | RMC73M-1F4R7JR |
| R539,540 | 9LA T012 57R | Carbon film 330ohm 1/4W (NB) | RDF25S331JT | R822 | | Carbon chip 10kohm 1/32W | RMC73M-1F103JR |
| R541,542 | 9LA T011 91R | Metal film 1ohm 1/4W(NB) | RNF2E010FT | R823 | | Carbon chip 47kohm 1/32W | RMC73M-1F473JR |
| R543-550 | 9LA T010 12R | Metal oxide 0.22ohm 1W | RER22J0001NT | R824 | | Carbon chip 33kohm 1/32W | RMC73M-1F333JR |
| R551,552 | | Carbon chip 20kohm 1/32W | RMC73M-1F203JR | R825 | | Carbon chip 10kohm 1/32W | RMC73M-1F103JR |
| R553,554 | | Carbon chip 100kohm 1/32W | RMC73M-1F104JR | R826 | | Carbon chip 10kohm 1/32W | RMC73M-1F103JR |
| R555,556 | | Carbon chip 270kohm 1/32W | RMC73M-1F274JR | R827 | | Carbon chip 220kohm 1/32W | RMC73M-1F224JR |
| R557,558 | | Carbon chip 22kohm 1/32W | RMC73M-1F223JR | R828 | | Carbon chip 10kohm 1/32W | RMC73M-1F103JR |
| R559,560 | 9LA T012 17R | Carbon film 10ohm 1/4W (NB) | RDF25S100JT | R829,830 | | Carbon chip 4.7kohm 1/32W | RMC73M-1F472JR |
| R561,562 | 9LA T010 56R | Metal oxide 10ohm 1W | RE100J0001ST | R831 | | Carbon chip 1kohm 1/32W | RMC73M-1F102JR |
| R563,564 | | Carbon chip 20kohm 1/32W | RMC73M-1F203JR | R832 | | Carbon chip 10kohm 1/32W | RMC73M-1F103JR |
| R565,566 | | Carbon chip 8.2kohm 1/32W | RMC73M-1F822JR | R833 | | Carbon chip 1kohm 1/32W | RMC73M-1F102JR |
| R567,578 | | Carbon chip 750ohm 1/32W | RMC73M-1F751JR | R834 | | Carbon chip 1kohm 1/32W | RMC73M-1F102JR |
| R569,570 | | Carbon chip 10kohm 1/32W | RMC73M-1F103JR | R835 | | Carbon chip 4.7kohm 1/32W | RMC73M-1F472JR |
| R571,572 | 9LA T038 01R | Metal oxide 470ohm 2W | RE471J0002ST | R836 | | Carbon chip 10kohm 1/32W | RMC73M-1F103JR |
| R573 | | Carbon film 2.2kohm 1/16W | RD14S1J222JB | R837 | | Carbon chip 20kohm 1/32W | RMC73M-1F203JR |
| R575 | | Carbon chip 100kohm 1/32W | RMC73M-1F104JR | R840 | | Carbon chip 1.8kohm 1/32W | RMC73M-1F182JR |
| R576,577 | | Carbon chip 4.7kohm 1/32W | RMC73M-1F472JR | R841 | | Carbon chip 2.2kohm 1/32W | RMC73M-1F222JR |

| Ref. No. | Part No. | Part Name | Remarks | Ref. No. | Part No. | Part Name | Remarks |
|-------------------------|--------------|---------------------------|-------------------------|----------|--------------|--------------------------|------------------|
| R842 | | Carbon chip 47kohm 1/32W | RMC73M-1F473JR | C409 | 9L0 2478 54R | Ceramic 100pF/500V | CC45SL2H101JB |
| R844 | | Carbon chip 4.7kohm 1/32W | RMC73M-1F472JR | C410 | | Electrolytic 10µF/100V | CE04W2A100MB |
| R845 | | Carbon chip 10kohm 1/32W | RMC73M-1F103JR | C411 | 9L0 2478 54R | Ceramic 100pF/500V | CC45SL2H101JB |
| R847 | | Carbon chip 4.7kohm 1/32W | RMC73M-1F472JR | C414 | | Mylar film 0.01µF/50V | CQ92M1H103KB |
| R848 | | Carbon chip 10kohm 1/32W | RMC73M-1F103JR | C415 | | Mylar film 0.1µF/50V | CQ92M1H104KB |
| R850 | | Carbon chip 4.7kohm 1/32W | RMC73M-1F472JR | C416 | | Electrolytic 47µF/25V | CE04W1E470MB |
| R851,852 | | Carbon chip 10kohm 1/32W | RMC73M-1F103JR | C418 | | Ceramic chip 0.01µF/50V | CK73MF1H103ZR |
| R853 | | Carbon film 10kohm 1/16W | RD14S1J103JB | C419 | | Electrolytic 47µF/25V | CE04W1E470MB |
| | | | Asia model only | | | | |
| R854 | | Carbon film 20kohm 1/16W | RD14S1J203JB | C501,502 | | Electrolytic 22µF/50V | CE04W1H220MB |
| | | | Asia model only | C503 | | Electrolytic 10µF/50V | CE04W1H100MB |
| R855,856 | | Carbon chip 10kohm 1/32W | RMC73M-1F103JR | C504,505 | | Ceramic chip 33pF/50V | CK73MSL1H330JR |
| R857,858 | | Carbon chip 2.2kohm 1/32W | RMC73M-1F222JR | C506,507 | | Mylar film 1000pF/50V | CQ92M1H102KB |
| R859-867 | | Carbon chip 10kohm 1/32W | RMC73M-1F103JR | C508,509 | 9L0 2478 42R | Ceramic 30pF/500V | CC45SL2H330JB |
| R868 | | Carbon film 10kohm 1/16W | RD14S1J103JB | C510-513 | | Electrolytic 47µF/50V | CE04W1H470MB |
| | | | U.S.A./Canada | C514,515 | 9L0 2478 54R | Ceramic 100pF/500V | CC45SL2H101JB |
| | | | models only | C516,517 | | Electrolytic 10µF/100V | CE04W2A100MB |
| R869 | | Carbon film 20kohm 1/16W | RD14S1J203JB | C518,519 | 9L0 2478 54R | Ceramic 100pF/500V | CC45SL2H101JB |
| | | | Asia model only | C522,523 | | Mylar film 0.01µF/50V | CQ92M1H103KB |
| | | | | C524,525 | | Mylar film 0.1µF/50V | CQ92M1H104KB |
| R955,956 | | Carbon Chip 100ohm 1/32W | RMC73M-1F101JR | C526,527 | | Electrolytic 47µF/25V | CE04W1E470MB |
| R957 | | Carbon chip 10kohm 1/32W | RMC73M-1F103JR | C528-532 | | Ceramic chip 0.01µF/50V | CK73MF1H103ZR |
| R958 | | Carbon chip 24kohm 1/32W | RMC73M-1F243JR | C533-535 | | Mylar film 0.033µF/50V | CQ92M1H333KB |
| R959 | | Carbon Chip 100ohm 1/32W | RMC73M-1F101JR | C536 | | Ceramic chip 0.01µF/50V | CK73MF1H103ZR |
| R960,961 | | Carbon chip 10kohm 1/32W | RMC73M-1F103JR | C537,538 | | Mylar film 0.033µF/50V | CQ92M1H333KB |
| R962,963 | | Carbon chip 24kohm 1/32W | RMC73M-1F243JR | C539-541 | | Ceramic chip 0.01µF/50V | CK73MF1H103ZR |
| R964,965 | | Carbon Chip 100ohm 1/32W | RMC73M-1F101JR | C542,543 | | Electrolytic 22µF/50V | CE04W1H220MB |
| R968 | | Carbon Chip 100ohm 1/32W | RMC73M-1F101JR | C544 | | Electrolytic 10µF/50V | CE04W1H100MB |
| | | | | C545,546 | | Ceramic chip 100pF/50V | CK73MSL1H101JR |
| | | | | C547 | | Electrolytic 470µF/63V | CE04W1J471MF |
| | | | | C550 | | Electrolytic 1µF/50V(BP) | CE04W1H1R0MB(BP) |
| | | | | C552 | | Electrolytic 10µF/50V | CE04W1H100MB |
| | | | | C751-753 | | Electrolytic 100µF/10V | CE04W1A101MB |
| | | | | C754 | | Ceramic chip 0.01µF/50V | CK73MF1H103ZR |
| | | | | C755,756 | | Electrolytic 10µF/50V | CE04W1H100MB |
| | | | | C758 | | Electrolytic 22µF/50V | CE04W1H220MB |
| | | | | C759,760 | | Electrolytic 100µF/10V | CE04W1A101MB |
| | | | | C761 | | Electrolytic 22µF/50V | CE04W1H220MB |
| | | | | C762,763 | | Electrolytic 4.7µF/50V | CE04W1H4R7MB |
| | | | | C805,806 | 9LA L009 42Q | Electrolytic 8200µF/56V | CE04W1_822M |
| | | | | C807 | | Electrolytic 1µF/50V | CE04W1H010MB |
| | | | | C808 | | Electrolytic 10µF/50V | CE04W1H100MB |
| | | | | C809 | | Electrolytic 1µF/50V | CE04W1H010MB |
| | | | | C810-812 | | Ceramic chip 0.1µF/25V | CK73MF1E104ZR |
| | | | | C813 | | Electrolytic 47µF/25V | CE04W1E470MB |
| | | | | C814 | | Ceramic chip 0.1µF/25V | CK73MF1E104ZR |
| | | | | C815 | | Electrolytic 330µF/6.3V | CE04W0J331MB |
| | | | | C816 | | Electrolytic 47µF/25V | CE04W1E470MB |
| | | | | C817 | | Ceramic chip 0.01µF/50V | CK73MF1H103ZR |
| | | | | C818 | | Electrolytic 220µF/6.3V | CE04W0J221MB |
| CAPACITORS GROUP | | | | | | | |
| C129,130 | | Ceramic chip 56pF/50V | CK73MSL1H560JR | | | | |
| | | | Europe/U.K. models only | | | | |
| C134 | | Ceramic chip 0.01µF/50V | CK73MF1H103ZR | | | | |
| | | | Europe/U.K. models only | | | | |
| C201 | | Electrolytic 47µF/25V | CE04W1E470MB | | | | |
| C202 | | Ceramic chip 0.1µF/25V | CK73MF1E104ZR | | | | |
| C204 | | Electrolytic 33µF/35V | CE04W1V330MB | | | | |
| C205 | | Ceramic chip 0.01µF/50V | CK73MF1H103ZR | | | | |
| C206 | | Electrolytic 10µF/50V | CE04W1H100MB | | | | |
| C207 | | Ceramic chip 0.01µF/50V | CK73MF1H103ZR | | | | |
| C208 | | Ceramic chip 22pF/50V | CK73MSL1H220JR | | | | |
| C209-211 | | Ceramic chip 0.01µF/50V | CK73MF1H103ZR | | | | |
| C401 | | Electrolytic 22µF/50V | CE04W1H220MB | | | | |
| C402 | | Electrolytic 10µF/50V | CE04W1H100MB | | | | |
| C403 | | Ceramic chip 100pF/50V | CK73MSL1H101JR | | | | |
| C404 | | Ceramic chip 33pF/50V | CK73MSL1H330JR | | | | |
| C405 | 9L0 2478 42R | Ceramic 30pF/500V | CC45SL2H330JB | | | | |
| C406 | | Electrolytic 47µF/50V | CE04W1H470MB | | | | |
| C407 | | Mylar film 1000pF/50V | CQ92M1H102KB | | | | |
| C408 | | Electrolytic 47µF/50V | CE04W1H470MB | | | | |

| Ref. No. | Part No. | Part Name | Remarks | Ref. No. | Part No. | Part Name | Remarks | Q'ty |
|--------------------------|--------------|------------------------------|-------------------|----------|--------------|-------------------------|-------------------------------|-------------|
| C819 | | Mylar film 0.12μF/50V | CQ92M1H124KB | CN5A | 9LE Y000 79 | 11P pin header | | 1 |
| C820 | 9L0 8000 88Q | Electrolytic 3300μF/6.3V | CE04W0J332MF | CN6A | 9LE Y000 85 | 16P pin header | | 1 |
| C821 | | Electrolytic 4.7μF/50V | CE04W1H4R7MB | CN7A | 9LE Y000 71 | 3P pin header | | 1 |
| C822,823 | | Ceramic chip 0.01μF/50V | CK73MF1H103ZR | CN8A | 9LE Y000 89 | 20P pin header | | 1 |
| C824,825 | | Electrolytic 10μF/50V | CE04W1H100MB | CN9A | 9LE Y000 84 | 15P pin header | | 1 |
| C826,827 | | Ceramic chip 0.01μF/50V | CK73MF1H103ZR | CN10A | 9LE Y000 75 | 7P pin header | | 1 |
| C828 | | Mylar film 0.1μF/100V | CQ92M2A104KB | CN11A | 9LE Y000 77 | 9P pin header | | 1 |
| C829,830 | 9L0 2539 34Q | Electrolytic 2200μF/35V | CE04W1F222MF | CN11B | 9LE Y000 97 | 9P socket | | 1 |
| C831 | 9LA N005 91R | Mylar film 0.1μF/100V | CQ92M2A104KB | CN14 | 9LE F069 59 | 5P KR-DA connector cord | | 1 |
| C832 | | Electrolytic 10μF/50V | CE04W1H100MB | CN17 | 9LE F069 79 | 3P KR-DA connector cord | U.S.A./Canada models only | 1 |
| C833,834 | | Ceramic chip 0.01μF/50V | CK73MF1H103ZR | | | | | |
| C835 | | Electrolytic 10μF/50V | CE04W1H100MB | PG3 | 9L2 6752 82 | 3P PH pin post(L) | | 1 |
| C836 | | Ceramic chip 0.01μF/50V | CK73MF1H103ZR | PG12 | 9L2 9590 53 | 4P PH pin post | | 1 |
| C837 | | Electrolytic 100μF/10V(SRA) | CE04W1A101MB(SRA) | PG13 | 9L2 9590 58 | 9P PH pin post | | 1 |
| C839 | 9LA L004 79Q | Electrolytic 3300μF/16V | CE04W1C332MF | FB201 | 9LB Z014 21 | Beads inductor | | 1 |
| C840 | | Ceramic 0.01μF/50V | CK45F1H103ZB | FB801 | 9LB Z014 23R | Beads inductor | Except Europe/ U.K. models | 1 |
| C908 | | Mylar film 0.1μF/50V | CQ92M1H104KB | | | | | |
| C951-956 | | Ceramic chip 330pF/50V | CK73MSL1H331JR | | | | | |
| C957 | | Ceramic chip 0.1μF/25V | CK73MF1E104ZR | | 9LJ T094 61 | Main P.W.B. Ass'y | U.S.A./Canada models | |
| C958 | | Electrolytic 4.7μF/50V(SRA) | CE04W1H4R7MB(SRA) | | 9LJ T094 62 | Main P.W.B. Ass'y | Europe model | |
| C960 | | Electrolytic 4.7μF/50V | CE04W1H4R7MB | | 9LJ T094 63 | Main P.W.B. Ass'y | U.K. model | |
| C962,963 | | Ceramic chip 0.1μF/25V | CK73MF1E104ZR | | 9LJ T094 64 | Main P.W.B. Ass'y | Asia model | |
| OTHER PARTS GROUP | | | | | | | | |
| | | | | | | | | Q'ty |
| E007-010 | 9L2 7292 52R | Fuse holder | | | | | | 4 |
| JK103 | 9LE R002 28 | 2P US pin jack | | | | | | 1 |
| JK201 | 9LE R002 44 | 1P US pin jack(orange) | | | | | | 1 |
| JK501 | 9L2 6950 13 | Headphone jack | | | | | | 1 |
| JK502 | 9LE R006 11 | 6P screw terminal | | | | | | 1 |
| JK503 | 9LE U000 03 | 4P SP terminal | | | | | | 1 |
| JK504 | 9LE R002 24 | 4P US pin jack | | | | | | 1 |
| JK751 | 9LE R002 34 | 3P US pin jack(yellow) | | | | | | 1 |
| JK752 | 9LE R002 27 | 2P US pin jack(yellow) | | | | | | 1 |
| JK951 | 9LE R002 23 | 6P US pin jack | | | | | | 1 |
| L201 | 9L2 1229 38R | Coil 4.7μH | | | | | | 1 |
| L202 | 9L2 1229 34R | Coil 2.2μH | | | | | | 1 |
| L401 | 9L2 2273 63 | Audio trap coil | | | | | | 1 |
| L501,502 | 9L2 2273 63 | Audio trap coil | | | | | | 2 |
| RY401 | 9L2 6413 21 | Relay(OSA-SS-224DM3) | | | | | | 1 |
| RY501 | 9L2 6413 21 | Relay(OSA-SS-224DM3) | | | | | | 1 |
| S501 | 9LF E001 81 | Speaker switch | | | | | | 1 |
| X801 | 399 9018 003 | Ceramic resonator CST4.00MGW | | | | | | 1 |
| CN2B | 9LE D007 83 | 17P FFC connector | | | | | | 1 |
| CN4A | 9LE Y000 73 | 5P pin header | | | | | | 1 |

TUNER P.W.B. UNIT ASS'Y

| Ref. No. | Part No. | Part Name | Remarks | Ref. No. | Part No. | Part Name | Remarks |
|-----------------------------|--------------|---------------------------|---|----------|--------------|------------------------------|---|
| SEMICONDUCTORS GROUP | | | | | | | |
| IC1 | 263 0891 001 | IC LA1265S | | R6 | | Carbon film 330ohm 1/16W | RD14S1J331JB Europe/U.K. models only |
| IC2 | 263 0439 007 | IC LA3401 | | R7 | | Carbon film 4.7kohm 1/16W | RD14S1J472JB |
| IC3 | 9LC K098 31R | IC LC72131M | | R8 | | Carbon film 330ohm 1/16W | RD14S1J331JB |
| IC91 | 9LC K044 51 | IC SAA6579 | Europe/U.K. models only | R9 | | Carbon film 220ohm 1/16W | RD14S1J221JB |
| IC92 | 9LC K044 71R | IC LC7074M | Europe/U.K. models only | R10 | | Carbon film 1.8kohm 1/16W | RD14S1J182JB |
| IC301-303 | 262 2214 007 | IC LC7536 | | R11 | | Carbon film 330ohm 1/16W | RD14S1J331JB |
| IC304-309 | 263 0615 902 | IC BA15218F | | R14 | 9LA T012 44R | Carbon film 100ohm 1/4W (NB) | RDF25S101JT |
| TR1 | 9LC F011 21R | Transistor 2SK161(Y) | Europe/U.K. models only | R15 | | Carbon film 5.6kohm 1/16W | RD14S1J562JB |
| TR2 | 9LC F023 21R | Transistor KTC3197 | | R16 | | Carbon film 2.2kohm 1/16W | RD14S1J222JB |
| TR3,4 | 269 0046 003 | Transistor DTA114ES | | R17 | | Carbon film 1kohm 1/16W | RD14S1J102JB |
| TR7,8 | 269 0072 909 | Transistor DTC323TS | | R19 | 9LA T012 44R | Carbon film 100ohm 1/4W (NB) | RDF25S101JT |
| TR9 | 269 0079 902 | Transistor DTC144TS | | R20 | | Carbon film 15kohm 1/16W | RD14S1J153JB |
| TR10 | 269 0080 904 | Transistor DTA114TS | | R21 | | Carbon film 120ohm 1/16W | RD14S1J121JB |
| TR601-604 | 271 0094 016 | Transistor 2SA970(BL) | | R22 | | Carbon film 18kohm 1/16W | RD14S1J183JB U.S.A./Canada models only |
| TR605,606 | 273 0235 020 | Transistor 2SC1841(E/F) | | R22 | | Carbon film 39kohm 1/16W | RD14S1J393JB Except U.S.A./ Canada models |
| TR607,608 | 273 0198 028 | Transistor 2SC1815(GR) | | R23 | | Carbon film 1.2kohm 1/16W | RD14S1J122JB Europe/U.K. models only |
| TR609,610 | 274 0060 007 | Transistor 2SD667A(C) | | R24 | | Carbon film 6.8kohm 1/16W | RD14S1J682JB |
| TR611,612 | 272 0053 005 | Transistor 2SB647A(C) | | R25,26 | | Carbon film 10kohm 1/16W | RD14S1J103JB |
| TR613,614 | 273 0430 003 | Transistor 2SC4278(E) | | R27 | | Carbon film 3.3kohm 1/16W | RD14S1J332JB |
| TR615,616 | 271 0276 009 | Transistor 2SA1633(E) | | R28 | | Carbon film 11kohm 1/16W | RD14S1J113JB |
| TR617,618 | 273 0235 020 | Transistor 2SC1841(E/F) | | R29 | | Carbon film 68kohm 1/16W | RD14S1J683JB |
| TR901 | 274 0163 904 | Transistor 2SD601A | | R30,31 | | Carbon film 62kohm 1/16W | RD14S1J623JB |
| D1-4 | 9L2 3989 21T | Diode 1SS133 | | R32 | | Carbon film 150kohm 1/16W | RD14S1J154JB Europe/U.K. models only |
| D5 | 9L2 3980 62T | Diode 1N4001 | | R32 | | Carbon film 100kohm 1/16W | RD14S1J104JB Except Europe/U.K. models |
| D91 | 9L2 3989 21T | Diode 1SS133 | Europe/U.K. models only | R33,34 | | Carbon film 180kohm 1/16W | RD14S1J184JB Europe/U.K. models only |
| D601,602 | 9L2 3989 21T | Diode 1SS133 | | R33,34 | | Carbon film 120kohm 1/16W | RD14S1J124JB Except Europe/U.K. models |
| D901-906 | 9L2 3980 62T | Diode 1N4001 | | R35 | | Carbon film 150kohm 1/16W | RD14S1J154JB Europe/U.K. models only |
| D907 | 9L2 3989 21T | Diode 1SS133 | | R35 | | Carbon film 100kohm 1/16W | RD14S1J104JB Except Europe/U.K. models |
| ZD601 | 276 0463 914 | Zener diode HZS6C-2 | | R36 | | Carbon film 3.3kohm 1/16W | RD14S1J332JB |
| TH601 | 9LC J001 51 | Thermister | | R37 | | Carbon film 10kohm 1/16W | RD14S1J103JB |
| RESISTORS GROUP | | | | | | | |
| R1 | | Carbon film 1kohm 1/16W | RD14S1J102JB | R38 | | Carbon film 100kohm 1/16W | RD14S1J104JB |
| R2 | | Carbon film 5.6kohm 1/16W | RD14S1J562JB Europe/U.K. models only | R39,40 | | Carbon film 1.8kohm 1/16W | RD14S1J182JB |
| R4 | | Carbon film 10kohm 1/16W | RD14S1J103JB Europe/U.K. models only | R41,42 | | Carbon film 4.7kohm 1/16W | RD14S1J472JB Europe/U.K. models only |
| R5 | | Carbon film 390ohm 1/16W | RD14S1J391JB Europe/U.K. models only | R41,42 | | Carbon film 6.8kohm 1/16W | RD14S1J682JB Except Europe/U.K. models |
| R5 | | Carbon film 1kohm 1/16W | RD14S1J102JB Except Europe/U.K. models | R43 | | Carbon film 18kohm 1/16W | RD14S1J183JB |
| | | | | R45 | | Carbon film 10kohm 1/16W | RD14S1J103JB |
| | | | | R46 | | Carbon film 5.6kohm 1/16W | RD14S1J562JB |

| Ref. No. | Part No. | Part Name | Remarks | Ref. No. | Part No. | Part Name | Remarks |
|------------|--------------|---------------------------|---|-------------------------|--------------|------------------------------|--|
| R50 | | Carbon film 100ohm 1/16W | RD14S1J101JB Except Europe/ U.K. models | R611,612 | | Carbon chip 470kohm 1/32W | RMC73M-1F474JR |
| R51 | | Carbon film 3.3kohm 1/16W | RD14S1J332JB | R613,614 | | Carbon film 33kohm 1/16W | RD14S1J333JB |
| R52 | | Carbon film 100kohm 1/16W | RD14S1J104JB | R615,616 | | Carbon chip 1.6kohm 1/32W | RMC73M-1F162JR |
| R301 | | Carbon film 47kohm 1/16W | RD14S1J473JB | R617,618 | | Carbon chip 47kohm 1/32W | RMC73M-1F473JR |
| R302 | | Carbon film 220kohm 1/16W | RD14S1J224JB | Δ R619,620 | 9LA T037 02R | Fusible 47ohm 1/4W(FR) | RN45B2E470JB-FR |
| R303 | | Carbon film 47kohm 1/16W | RD14S1J473JB | R621,622 | | Carbon film 1.3kohm 1/16W | RD14S1J132JB |
| R304 | | Carbon film 100kohm 1/16W | RD14S1J104JB | R623,624 | | Carbon film 1.2kohm 1/16W | RD14S1J122JB |
| R305 | | Carbon film 10kohm 1/16W | RD14S1J103JB | R625,626 | | Carbon film 30kohm 1/16W | RD14S1J303JB |
| R306 | | Carbon film 750ohm 1/16W | RD14S1J751JB | R627~630 | 9LA T011 29R | Metal oxide 5.6kohm 1W | RE562J0001ST |
| R307 | | Carbon film 100kohm 1/16W | RD14S1J104JB | R631~634 | 9LA T011 91R | Metal film 1ohm 1/4W(NB) | RNF2E010FT |
| R308,309 | | Carbon film 47kohm 1/16W | RD14S1J473JB | R635,636 | 9LA T012 57R | Carbon film 330ohm 1/4W (NB) | RDF25S331JT |
| R310 | | Carbon film 220kohm 1/16W | RD14S1J224JB | R637~644 | 9LA T010 12R | Metal oxide 0.22ohm 1W | RER22J0001NT |
| R311 | | Carbon film 100kohm 1/16W | RD14S1J104JB | R645,646 | | Carbon chip 20kohm 1/32W | RMC73M-1F203JR |
| R312 | | Carbon film 4.7kohm 1/16W | RD14S1J472JB | R647,648 | | Carbon chip 100kohm 1/32W | RMC73M-1F104JR |
| R313 | | Carbon film 430ohm 1/16W | RD14S1J431JB | R649,650 | | Carbon chip 270kohm 1/32W | RMC73M-1F274JR |
| R314 | | Carbon film 100ohm 1/16W | RD14S1J101JB | R651,652 | | Carbon chip 22kohm 1/32W | RMC73M-1F223JR |
| R315 | | Carbon film 47kohm 1/16W | RD14S1J473JB | R653,654 | 9LA T012 17R | Carbon film 10ohm 1/4W (NB) | RDF25S100JT |
| R316 | | Carbon film 220kohm 1/16W | RD14S1J224JB | R655,656 | 9LA T010 56R | Metal oxide 10ohm 1W | RE100J0001ST |
| R317 | | Carbon film 47kohm 1/16W | RD14S1J473JB | R657,658 | | Carbon chip 20kohm 1/32W | RMC73M-1F203JR |
| R318 | | Carbon film 100kohm 1/16W | RD14S1J104JB | Δ R659,660 | 9LA T037 03R | Fusible 4.7ohm 1/4W(FR) | RN45B2E470JB-FR |
| R319 | | Carbon film 4.7kohm 1/16W | RD14S1J472JB | R661,662 | | Carbon film 1.8kohm 1/16W | RD14S1J182JB |
| R320 | | Carbon film 430ohm 1/16W | RD14S1J431JB | R901 | | Carbon film 2.7Mohm 1/2W | 2.7M(1/2W) U.S.A./Canada models only |
| R321 | | Carbon film 100ohm 1/16W | RD14S1J101JB | R902 | | Carbon chip 4.7kohm 1/32W | RMC73M-1F472JR |
| R322 | | Carbon film 47kohm 1/16W | RD14S1J473JB | R903 | | Carbon chip 10kohm 1/32W | RMC73M-1F103JR |
| R323 | | Carbon film 47kohm 1/16W | RD14S1J473JB | CAPACITORS GROUP | | | |
| R324 | | Carbon film 220kohm 1/16W | RD14S1J224JB | C1 | | Ceramic 0.01μF/16V | CK45B1C103MB |
| R325 | | Carbon film 4.7kohm 1/16W | RD14S1J472JB | C4 | | Ceramic 12pF/50V | CK45SL1H120JB |
| R326 | | Carbon film 430ohm 1/16W | RD14S1J431JB | C6 | | Electrolytic 220μF/16V | CE04W1C221MB Europe/U.K. models only |
| R327 | | Carbon film 100kohm 1/16W | RD14S1J104JB | C7 | | Ceramic 0.01μF/16V | CK45B1C103MB |
| R328 | | Carbon film 100ohm 1/16W | RD14S1J101JB | C8 | | Ceramic 100pF/50V | CK45SL1H101JB |
| R329 | | Carbon film 47kohm 1/16W | RD14S1J473JB | C11 | | Electrolytic 1μF/50V(BP) | CE04W1H010MB-BP |
| R330 | | Carbon film 220kohm 1/16W | RD14S1J224JB | C12 | | Electrolytic 1μF/50V | CE04W1H010MB |
| R331 | | Carbon film 47kohm 1/16W | RD14S1J473JB | C13 | | Electrolytic 47μF/25V | CE04W1E470MB |
| R332 | | Carbon film 100kohm 1/16W | RD14S1J104JB | C15 | | Ceramic 0.01μF/16V | CK45B1C103MB |
| R333,334 | | Carbon film 1kohm 1/16W | RD14S1J102JB | C16,17 | | Ceramic 100pF/50V | CK45SL1H101JB |
| R335 | | Carbon film 100ohm 1/16W | RD14S1J101JB | C18 | | Ceramic 0.01μF/16V | CK45B1C103MB |
| R336,337 | | Carbon film 47kohm 1/16W | RD14S1J473JB | C19 | | Electrolytic 0.47μF/50V | CE04W1HR47MB |
| R338 | | Carbon film 220kohm 1/16W | RD14S1J224JB | C20 | | Electrolytic 1μF/50V | CE04W1H010MB |
| R339,340 | | Carbon film 1kohm 1/16W | RD14S1J102JB | C21 | | Electrolytic 10μF/50V | CE04W1H100MB |
| R341 | | Carbon film 100kohm 1/16W | RD14S1J104JB | C22 | | Ceramic 0.022μF/50V | CK45F1H223ZB |
| R342 | | Carbon film 100ohm 1/16W | RD14S1J101JB | C23 | | Ceramic 100pF/50V | CK45SL1H101JB Except Europe/ U.K. models |
| R343 | | Carbon film 4.7kohm 1/16W | RD14S1J472JB | C24 | | Mylar film 0.056μF/50V | CQ92M1H563KB |
| R344 | | Carbon film 3.3kohm 1/16W | RD14S1J332JB | C25 | | Electrolytic 22μF/50V | CE04W1H220MB |
| R601,602 | | Carbon chip 220ohm 1/32W | RMC73M-1F221JR | C26 | | Electrolytic 22μF/50V | CE04W1H220MB Europe/U.K. models only |
| R603,604 | | Carbon chip 10kohm 1/32W | RMC73M-1F103JR | | | | |
| R605,606 | | Carbon chip 33kohm 1/32W | RMC73M-1F333JR | | | | |
| Δ R607,608 | 9LA T037 01R | Fusible 1.5kohm 1/4W(FR) | RN14B2E152JB-FR | | | | |
| R609,610 | | Carbon chip 330ohm 1/32W | RMC73M-1F331JR | | | | |

| Ref. No. | Part No. | Part Name | Remarks | Ref. No. | Part No. | Part Name | Remarks |
|--------------------------|----------|------------------------------|-------------------------------|----------|--------------|---------------------------------|---------------------|
| C27 | | Electrolytic 22μF/50V | CE04W1H220MB | C601,602 | | Electrolytic 10μF/50V | CE04W1H100MB |
| C28 | | Electrolytic 220μF/6.3V | CE04W0J221MB | C603,604 | | Ceramic chip 100pF/50V | CK73MSL1H101JR |
| C29 | | Ceramic 0.01μF/16V | CK45B1C103MB | C605,606 | | Ceramic chip 33pF/50V | CK73MSL1H330JR |
| C30 | | Ceramic 560pF/50V | CK45B1H561KB | C607,608 | | Mylar film 1000pF/50V | CQ92M1H102KB |
| | | | Europe/U.K. models only | C609,610 | 9L0 2478 42R | Ceramic 33pF/500V | CC45SL2H330JB |
| C31 | | Ceramic 0.01μF/16V | CK45B1C103MB | C611-614 | | Electrolytic 47μF/50V | CE04W1H470MB |
| C33,34 | | Ceramic 15pF/50V | CK45CH1H150JB | C615,616 | 9L0 2478 54R | Ceramic 100pF/500V | CC45SL2H101JB |
| C36,37 | | Ceramic 0.01μF/16V | CK45B1C103MB | C617,618 | 9L0 8000 21R | Electrolytic 10μF/100V | CE04W2A100MB |
| C38 | | Mylar film 0.047μF/50V | CQ92M1H473KB | C619,620 | 9L0 2478 54R | Ceramic 100pF/500V | CC45SL2H101JB |
| C39 | | Ceramic 0.01μF/16V | CK45B1C103MB | C625,626 | | Ceramic chip 0.01μF/50V | CK73MF1H103ZR |
| C40 | | Electrolytic 1μF/50V | CE04W1H010MB | C627,628 | | Mylar film 0.1μF/50V | CQ92M1H104KB |
| C41 | | Electrolytic 47μF/25V | CE04W1E470MB | C629 | | Electrolytic 470μF/63V | CE04W1J471MB |
| C42 | | Electrolytic 1μF/50V | CE04W1H010MB | C630,631 | | Ceramic chip 0.01μF/50V | CK73MF1H103ZR |
| C43 | | Electrolytic 0.22μF/50V(SRA) | CE04W1HR22MB-SRA | C632,633 | | Mylar film 0.033μF/50V | CQ92M1H333KB |
| C44 | | Electrolytic 1μF/50V | CE04W1H010MB | | | | |
| C45 | | Ceramic 0.01μF/16V | CK45B1C103MB | C901 | 9LA N001 31S | Ceramic 0.01 μF/250V(AC) | 0.01UF 250V PA103-C |
| C46,47 | | Electrolytic 2.2μF/50V | CE04W1H2R2MB | C902 | | Ceramic chip 0.01μF/50V | CK73MF1H103ZR |
| C48 | | Electrolytic 1μF/50V | CE04W1H010MB | | | | Except U.S.A./ |
| C49 | | Ceramic 0.01μF/16V | CK45B1C103MB | | | | Canada models |
| C51 | | Electrolytic 2.2μF/50V | CE04W1H2R2MB | C903,904 | | Ceramic 0.01μF/50V | CK45F1H103ZB |
| C52 | | Electrolytic 10μF/50V | CE04W1H100MB | C905 | 9LA L004 76Q | Electrolytic 2200μF/25V | CE04W1E222M |
| C53,54 | | Ceramic 330pF/50V | CK45B1H331KB | C906,907 | | Electrolytic 1μF/50V | CE04W1H010MB |
| | | | Europe/U.K. models only | | | | |
| C53,54 | | Ceramic 680pF/50V | CK45B1H681KB | | | | |
| | | | Except Europe/ U.K. models | | | | |
| C55 | | Ceramic 120pF/50V | CK45SL1H121JB | | | | |
| | | | Europe/U.K. models only | | | | |
| C56,57 | | Ceramic 0.01μF/16V | CK45B1C103MB | | | | |
| C59,60 | | Ceramic 0.01μF/16V | CK45B1C103MB | | | | |
| C61,62 | | Ceramic 4700pF/25V | CK45B1E472MB | | | | |
| | | | Europe/U.K. models only | | | | |
| C65 | | Ceramic 0.01μF/16V | CK45B1C103MB | | | | |
| C87 | | Electrolytic 10μF/50V | CE04W1H100MB | | | | |
| C91 | | Electrolytic 2.2μF/50V | CE04W1H2R2MB | | | | |
| | | | Europe/U.K. models only | | | | |
| C92 | | Ceramic 560pF/50V | CK45B1H561KB | | | | |
| | | | Europe/U.K. models only | | | | |
| C93 | | Ceramic 0.01μF/16V | CK45B1C103MB | | | | |
| | | | Europe/U.K. models only | | | | |
| C94 | | Electrolytic 10μF/50V | CE04W1H100MB | | | | |
| | | | Europe/U.K. models only | | | | |
| C95,96 | | Ceramic 27pF/50V | CK45CH1H270JB | | | | |
| | | | Europe/U.K. models only | | | | |
| C97 | | Electrolytic 10μF/50V | CE04W1H100MB | | | | |
| | | | Europe/U.K. models only | | | | |
| C301-319 | | Electrolytic 10μF/50V | CE04W1H100MB | | | | |
| C321 | | Electrolytic 4.7μF/50V | CE04W1H4R7MB | | | | |
| C323 | | Electrolytic 4.7μF/50V | CE04W1H4R7MB | | | | |
| C328-330 | | Electrolytic 22μF/50V | CE04W1H220MB | | | | |
| OTHER PARTS GROUP | | | | | | | |
| | | | | | | | Q'ty |
| | CN1B | 9LE D007 72 | 7P FFC connector | | | | 1 |
| | CN4B | 9LE Y000 93 | 5P socket | | | | 1 |
| | CN5B | 9LE Y000 99 | 11P socket | | | | 1 |
| | CN6B | 9LE Y001 05 | 16P socket | | | | 1 |
| | CN7B | 9LE Y000 91 | 3P socket | | | | 1 |
| | CN12 | 9LE F069 19 | 4P KR-DA connector cord | | | | 1 |
| | CN13 | 9LE F069 39 | 9P KR-DA connector cord | | | | 1 |
| | CN15 | 9LE F06879 | 3P KR-DA connector cord | | | Except U.S.A./ Canada models | 1 |
| | CF1 | 9L2 1349 92 | Ceramic filter SFE10.7MA-8 | | | Except Europe/ U.K. models | 1 |
| | CF1,2 | 9LB N001 01 | Ceramic filter SFT10.7MS2-A | | | Europe/U.K. models only | 2 |
| | CF2 | 9LB N001 11 | Ceramic filter SFT10.7MS2G-A | | | Except Europe/ U.K. models | 1 |
| | CF3 | 9LB P005 01 | Ceramic filter BFU450C4N | | | | 1 |
| | CF4 | 9LB P004 91 | Ceramic filter CMU2-456A1 | | | | 1 |
| | E001,002 | 9L2 7292 52R | Fuse holder | | | U.S.A./Canada models only | 2 |
| | E003,004 | 9L2 7292 52R | Fuse holder | | | | 2 |
| | E005,006 | 9L2 7292 52R | Fuse holder | | | Asia model only | 2 |
| | PG15 | 9L2 9590 52 | 3P PH pin post | | | | 1 |
| | PG16 | 9L2 6742 84 | 2P-4S VH pin post | | | | 1 |

DSP P.W.B. UNIT ASS'Y

| Ref. No. | Part No. | Part Name | Remarks | Q'ty | Ref. No. | Part No. | Part Name | Remarks |
|------------|--------------|-----------------------------|---------------------------------|------|-----------------------------|--------------|---------------------------|---|
| △ PT902 | 9LB T005 31 | Sub power trans E3 | U.S.A./Canada models | 1 | SEMICONDUCTORS GROUP | | | |
| △ PT902 | 9LB T005 32 | Sub power trans E2 | Europe/ U.K. models | 1 | IC101 | 263 0672 903 | IC BA4558F | |
| △ PT902 | 9LB T005 33 | Sub power trans E1 | Asia model | 1 | IC102 | 9LC K320 31 | IC TC9273F-007 | |
| | | | | | IC151-154 | 9L2 3883 01R | IC BA4558F | |
| JK1 | 9LE U000 11 | Ant. terminal | | 1 | IC221 | 262 2663 001 | IC ZR38601 | |
| JK601 | 9LE U000 86 | 4P SP terminal | | 1 | IC222 | 263 1048 002 | IC BA033T | |
| △ JK901 | 9LE Y004 91 | AC outlet | U.S.A./Canada models only | 1 | IC223,224 | 262 1421 901 | IC TC74HCT04AF | |
| | | | | | IC240 | 9LC K320 41 | IC AK4526 | |
| L601,602 | 9L2 2273 63 | Audio trap coil | | 1 | IC241-243 | 9LC K150 81R | IC BA15218F | |
| LF1 | 9L2 1363 13 | Low pass filter (FB-7SG) | Europe/U.K. models only | 1 | IC244 | 9L2 3883 01R | IC BA4558F | |
| LF2,3 | 9L2 1363 14 | Low pass filter (19kHz) | Europe/U.K. models only | 2 | TR241-246 | 273 0253 015 | Transistor 2SC2878(A/B) | |
| RL601 | 9L2 6413 21 | Relay (OSA-SS-224DM3) | | 1 | TR247 | 269 0132 904 | Transistor UN2111 | |
| RY901 | 9L2 6405 76 | Relay (SDT-SS-112DM) | | 1 | TR248 | 269 0138 908 | Transistor UN2213 | |
| S1 | 9L2 6225 21 | Slide switch | Asia model only | 1 | TR249 | 269 0134 902 | Transistor UN2113 | |
| △ S901 | 9LF E003 61 | Power switch | Except U.S.A./ Canada models | 1 | TR250 | 269 0138 908 | Transistor UN2213 | |
| △ S902,903 | 9LF G000 11 | Voltage selector | Asia model only | 2 | TR251 | 269 0134 902 | Transistor UN2113 | |
| △ S904 | 9LF E002 01 | Power switch | U.S.A./Canada models only | 1 | TR252,253 | 269 0138 908 | Transistor UN2213 | |
| | | | | | TR254,255 | 9L2 3240 85T | Transistor 2SK105(H) | |
| | | | | | D151 | 276 0643 983 | Zener diode MTZJ5.1B | |
| | | | | | D221,222 | 9L2 3989 21T | Diode 1SS133 | |
| | | | | | D241-244 | 9L2 3989 21T | Diode 1SS133 | |
| | | | | | RESISTORS GROUP | | | |
| BL1 | 9LB H005 31 | AM RF block | | 1 | R101,102 | | Carbon chip 4.7kohm 1/32W | RMC73M-1F472JR Europe/U.K. models only |
| T3 | 9LB J002 51 | AM IFT | | 1 | R103,104 | | Carbon chip 390ohm 1/32W | RMC73M-1F391JR |
| T4 | 9LB S000 71 | FM DET trans. | | 1 | R105,106 | | Carbon chip 68kohm 1/32W | RMC73M-1F683JR |
| TU1 | 9LH H000 31 | Tuner pack | Except Europe/ U.K. models | 1 | R107,108 | | Carbon chip 150kohm 1/32W | RMC73M-1F154JR |
| TU1 | 9L2 4286 51 | Tuner pack | Europe/U.K. models only | 1 | R109,110 | | Carbon chip 47ohm 1/32W | RMC73M-1F470JR |
| XT1 | 9L2 1701 32R | Crystal 7.2MHz | | 1 | R111,112 | | Carbon chip 750ohm 1/32W | RMC73M-1F751JR |
| XT91 | 9L2 1701 33R | Crystal 4.332MHz | Europe/U.K. models only | 1 | R113,114 | | Carbon chip 560kohm 1/32W | RMC73M-1F564JR |
| XT92 | 9L2 7920 71R | Ceramic resonator CST4.0MGM | Europe/U.K. models only | 1 | R115,116 | | Carbon chip 47kohm 1/32W | RMC73M-1F473JR |
| #501 | 9LM F001 73 | Insulatoin sheet | | 4 | R117,118 | | Carbon chip 22ohm 1/32W | RMC73M-1F220JR |
| | 9LJ T094 51 | Tuner P.W.B. Ass'y | U.S.A./ Canada models | | R119,120 | | Carbon chip 470kohm 1/32W | RMC73M-1F474JR |
| | 9LJ T094 52 | Tuner P.W.B. Ass'y | Europe model | | R121-128 | | Carbon chip 1Mohm 1/32W | RMC73M-1F105JR |
| | 9LJ T094 53 | Tuner P.W.B. Ass'y | U.K. model | | R131-138 | | Carbon chip 470ohm 1/32W | RMC73M-1F471JR |
| | 9LJ T094 54 | Tuner P.W.B. Ass'y | Asia model | | R141-144 | | Carbon chip 470ohm 1/32W | RMC73M-1F471JR |
| | | | | | R151,152 | | Carbon chip 100ohm 1/32W | RMC73M-1F101JR |
| | | | | | R153,154 | | Carbon chip 100kohm 1/32W | RMC73M-1F104JR |
| | | | | | R155,156 | | Carbon chip 100kohm 1/32W | RMC73M-1F104JR |
| | | | | | R157,158 | | Carbon chip 100ohm 1/32W | RMC73M-1F101JR |
| | | | | | R159,160 | | Carbon chip 100kohm 1/32W | RMC73M-1F104JR |
| | | | | | R161-166 | | Carbon chip 13kohm 1/32W | RMC73M-1F133JR |
| | | | | | R167 | | Carbon chip 820ohm 1/32W | RMC73M-1F821JR |
| | | | | | R171,172 | | Carbon chip 100ohm 1/32W | RMC73M-1F101JR |
| | | | | | R173,174 | | Carbon chip 100kohm 1/32W | RMC73M-1F104JR |
| | | | | | R175,176 | | Carbon chip 100ohm 1/32W | RMC73M-1F101JR |
| | | | | | R177,178 | | Carbon chip 10kohm 1/32W | RMC73M-1F103JR |

| Ref. No. | Part No. | Part Name | Remarks | Ref. No. | Part No. | Part Name | Remarks |
|-------------------------|--------------|---------------------------|-------------------|----------|----------|--------------------------|---------------------------|
| R179,180 | | Carbon chip 2.4kohm 1/32W | RMC73M-1F242JR | C135,136 | | Ceramic chip 0.022μF/50V | CK73MF1H223ZR |
| R181~184 | | Carbon chip 4.7kohm 1/32W | RMC73M-1F472JR | C137 | | Ceramic chip 0.01μF/50V | CK73MF1H103ZR |
| R185~188 | | Carbon chip 10kohm 1/32W | RMC73M-1F103JR | | | | Except Europe/U.K. models |
| R189~192 | | Carbon chip 300ohm 1/32W | RMC73M-1F301JR | C151,152 | | Electrolytic 10μF/50V | CE04W1H100MB(SSL) |
| R221~224 | | Carbon chip 10kohm 1/32W | RMC73M-1F103JR | C157,158 | | Electrolytic 10μF/50V | CE04W1H100MB(SSL) |
| R229 | 9LA T012 28T | Metal film 27ohm 1/4W(NB) | RN14S2E270JR(NB) | C159~162 | | Mylar film 0.22μF/50V | CQ92M1H224KB |
| R230,231 | | Carbon chip 1.5kohm 1/32W | RMC73M-1F152JR | C163,164 | | Electrolytic 10μF/50V | CE04W1H100MB(SSL) |
| R232 | | Carbon chip 10kohm 1/32W | RMC73M-1F103JR | C165,166 | | Electrolytic 22μF/50V | CE04W1H220MB(SSL) |
| R233,234 | | Carbon chip 1.5kohm 1/32W | RMC73M-1F152JR | C167,168 | | Ceramic chip 0.1μF/25V | CK73MF1E104ZR |
| R237 | | Carbon chip 1kohm 1/32W | RMC73M-1F102JR | C169,170 | | Electrolytic 47μF/25V | CE04W1E470MB(SSL) |
| R238 | | Carbon chip 1.5kohm 1/32W | RMC73M-1F152JR | C171,172 | | Mylar film 1500pF/50V | CQ92M1H152KB |
| R240~245 | | Carbon chip 27kohm 1/32W | RMC73M-1F273JR | C173 | | Ceramic chip 0.1μF/25V | CK73MF1E104ZR |
| R246~249 | | Carbon chip 220ohm 1/32W | RMC73M-1F221JR | C174 | | Electrolytic 47μF/25V | CE04W1E470MB(SSL) |
| R250,251 | | Carbon chip 4.7kohm 1/32W | RMC73M-1F472JR | | | | |
| R252~257 | | Carbon chip 1kohm 1/32W | RMC73M-1F102JR | C221~226 | | Ceramic chip 0.1μF/25V | CK73MF1E104ZR |
| R258 | | Carbon chip 1.5kohm 1/32W | RMC73M-1F152JR | C227 | | Electrolytic 47μF/25V | CE04W1E470MB(SSL) |
| R260,261 | | Carbon chip 9.1kohm 1/32W | RMC73M-1F912JR | C228 | | Ceramic chip 0.1μF/25V | CK73MF1E104ZR |
| R263 | | Carbon chip 10kohm 1/32W | RMC73M-1F103JR | C229 | | Mylar film 0.047μF/50V | CQ92M1H473KB |
| R265 | | Carbon chip 47kohm 1/32W | RMC73M-1F473JR | C230,231 | | Ceramic chip 18pF/50V | CK73MCH1H180JR |
| R266~268 | | Carbon chip 100kohm 1/32W | RMC73M-1F104JR | C232,233 | | Ceramic chip 0.1μF/25V | CK73MF1E104ZR |
| R269,270 | | Carbon chip 47kohm 1/32W | RMC73M-1F473JR | C234,235 | | Ceramic chip 0.01μF/50V | CK73MF1H103ZR |
| R271 | | Carbon chip 27kohm 1/32W | RMC73M-1F273JR | C236 | | Electrolytic 10μF/50V | CE04W1H100MB(SSL) |
| R272,273 | | Carbon chip 24kohm 1/32W | RMC73M-1F243JR | C237 | | Electrolytic 1μF/50V | CE04W1H010MB(SSL) |
| R274 | | Carbon chip 100ohm 1/32W | RMC73M-1F101JR | C238 | | Ceramic chip 0.1μF/25V | CK73MF1E104ZR |
| R275 | | Carbon chip 100kohm 1/32W | RMC73M-1F104JR | | | | Except Europe/U.K. models |
| R277 | | Carbon chip 47kohm 1/32W | RMC73M-1F473JR | C240~245 | | Electrolytic 10μF/50V | CE04W1H100MB(SSL) |
| R278 | | Carbon chip 3.6kohm 1/32W | RMC73M-1F362JR | C246 | | Electrolytic 47μF/25V | CE04W1E470MB(SSL) |
| R279 | | Carbon chip 13kohm 1/32W | RMC73M-1F133JR | C247,248 | | Ceramic chip 0.1μF/25V | CK73MF1E104ZR |
| R280 | | Carbon chip 18kohm 1/32W | RMC73M-1F183JR | C249 | | Electrolytic 10μF/50V | CE04W1H100MB(SSL) |
| R282 | | Carbon chip 4.7kohm 1/32W | RMC73M-1F472JR | C250 | | Electrolytic 47μF/25V | CE04W1E470MB(SSL) |
| R283 | | Carbon chip 6.8kohm 1/32W | RMC73M-1F682JR | C251,252 | | Ceramic chip 0.1μF/25V | CK73MF1E104ZR |
| R284 | | Carbon chip 47kohm 1/32W | RMC73M-1F473JR | C253 | | Electrolytic 47μF/25V | CE04W1E470MB(SSL) |
| R285,286 | | Carbon chip 3.6kohm 1/32W | RMC73M-1F362JR | C254~259 | | Ceramic chip 0.027μF/25V | CK73MB1E273KR |
| R287~290 | | Carbon chip 4.7kohm 1/32W | RMC73M-1F472JR | C260~265 | | Electrolytic 10μF/50V | CE04W1H100MB(SSL) |
| R291 | | Carbon chip 10kohm 1/32W | RMC73M-1F103JR | C267 | | Mylar film 0.12μF/50V | CQ92M1H124KB |
| Δ R292 | 9LA T037 03T | Fuse resistor 4.7ohm 1/4W | RN45B2E47JJB-FR | C268 | | Ceramic chip 0.056μF/16V | CK73MB1C563KR |
| R293~297 | | Carbon chip 10kohm 1/32W | RMC73M-1F103JR | C269 | | Electrolytic 10μF/50V | CE04W1H100MB(SSL) |
| R298,299 | | Carbon chip 220ohm 1/32W | RMC73M-1F221JR | C270,271 | | Electrolytic 1μF/50V | CE04W1H010MB(SSL) |
| CAPACITORS GROUP | | | | C274~277 | | Ceramic chip 100pF/50V | CK73MSL1H101JR |
| C101,102 | | Ceramic chip 220pF/50V | CK73MSL1H221JR | C278 | | Ceramic chip 0.1μF/25V | CK73MF1E104ZR |
| C103,104 | | Electrolytic 10μF/50V | CE04W1H100MB(SSL) | C279,280 | | Electrolytic 10μF/50V | CE04W1H100MB(SSL) |
| C105,106 | | Ceramic chip 100pF/50V | CK73MSL1H101JR | | | | |
| C107,108 | | Electrolytic 33μF/35V | CE04W1V330MB(SSL) | | | | |
| C109,110 | | Mylar film 5600pF/50V | CQ92M1H562KB | | | | |
| C111,112 | | Mylar film 1500pF/50V | CQ92M1H152KB | | | | |
| C113,114 | | Electrolytic 2.2μF/50V | CE04W1H2R2MB(SSL) | | | | |
| C115,116 | | Ceramic chip 0.01μF/50V | CK73MF1H103ZR | | | | |
| C117 | | Electrolytic 1μF/50V | CE04W1H010MB(SSL) | | | | |
| C121~128 | | Ceramic chip 56pF/50V | CK73MSL1H560JR | | | | |
| C131~133 | | Ceramic chip 0.1μF/25V | CK73MF1E104ZR | | | | |

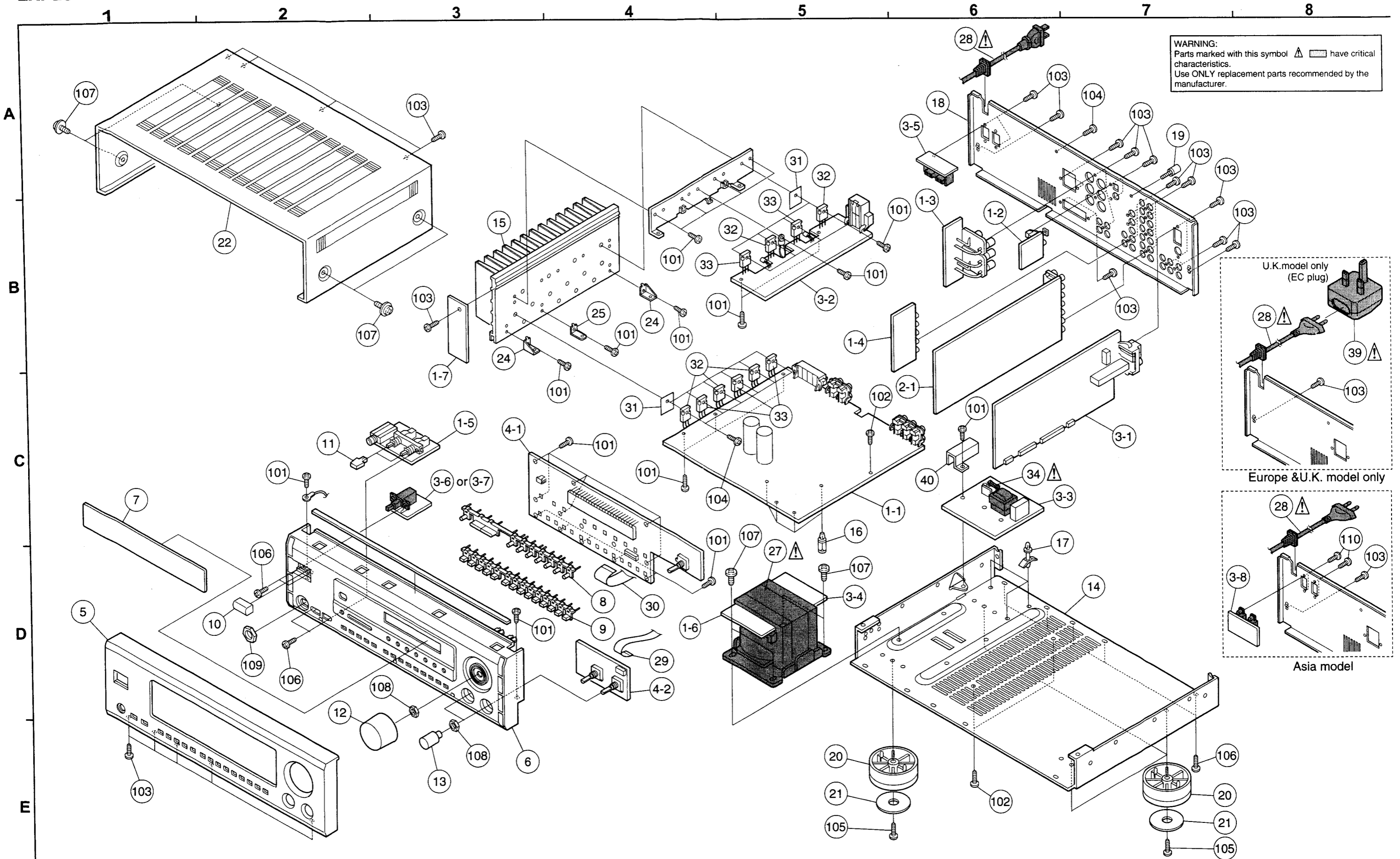
FL P.W.B. UNIT ASS'Y

| Ref. No. | Part No. | Part Name | Remarks | Q'ty | Ref. No. | Part No. | Part Name | Remarks | |
|--------------------------|--------------|-------------------|-------------------------------|------|-----------------------------|--------------|---------------------------|----------------|--|
| OTHER PARTS GROUP | | | | | SEMICONDUCTORS GROUP | | | | |
| FB221 | 9LB Z014 21 | Beads inductor | BL02RN1-R62 | 1 | IC451 | 9LC K014 51R | IC BA15218F | | |
| FB222-229 | 9LB MC02 88R | Beads inductor | BLM11B471SBPT | 8 | IC701 | 9LC K320 51 | IC LC75721E | | |
| FB230-232 | 9LB Z014 21 | Beads inductor | BL02RN1-R62 | 3 | IC702 | 9LC W002 02 | IC PIC28043 | | |
| FB233 | 9LB Z014 23R | Beads inductor | Except Europe/ U.K. models | 1 | TR701-703 | 269 0136 900 | Transistor UN2211 | | |
| JK101 | 9LE R002 23 | 6P US pin jack | | 1 | TR704 | 269 0134 902 | Transistor UN2113 | | |
| JK102 | 9LE R002 22 | 8P US pin jack | | 1 | TR705 | 269 0138 908 | Transistor UN2213 | | |
| L101 | 9L2 1229 52R | Coil LAL 470K | | 1 | TR706 | 269 0134 902 | Transistor UN2113 | | |
| L240 | 9L2 1222 48M | Coil LA 470K | | 1 | TR707 | 269 0138 908 | Transistor UN2213 | | |
| LF101,102 | 9LB J002 11 | Low pass filter | Europe/U.K. models only | 2 | TR708 | 269 0134 902 | Transistor UN2113 | | |
| XT201 | 9LB P010 71 | Crystal 12.288MHz | | 1 | TR709 | 269 0138 908 | Transistor UN2213 | | |
| CN8B | 9LE Y001 09 | 20P socket | | 1 | D701-703 | 9L2 3989 21T | Diode 1SS133 | | |
| CN9B | 9LE Y001 04 | 15P socket | | 1 | ZD703 | 9L2 3481 61M | Zener diode MTZJ9.1A | | |
| CN10B | 9LE Y000 95 | 7P socket | | 1 | LED701-703 | 9LC H015 01 | LED SLR56VC3F | | |
| PG14 | 9L2 9590 54 | 5P PH pin post | | 1 | FL701 | 9LD D003 01 | FL tube | | |
| | 9LJ T094 31 | DSP P.W.B. Ass'y | U.S.A./Canada models | | RESISTORS GROUP | | | | |
| | 9LJ T094 32 | DSP P.W.B. Ass'y | Europe model | | R451,452 | | Carbon chip 8.2kohm 1/32W | RMC73M-1F822JR | |
| | 9LJ T094 33 | DSP P.W.B. Ass'y | U.K. model | | R453,454 | | Carbon chip 62kohm 1/32W | RMC73M-1F623JR | |
| | 9LJ T094 34 | DSP P.W.B. Ass'y | Asia model | | R455,456 | | Carbon chip 15kohm 1/32W | RMC73M-1F153JR | |
| | | | | | R457,458 | | Carbon chip 62kohm 1/32W | RMC73M-1F623JR | |
| | | | | | R463,464 | | Carbon chip 1.2kohm 1/32W | RMC73M-1F122JR | |
| | | | | | R465,465 | | Carbon chip 220ohm 1/32W | RMC73M-1F221JR | |
| | | | | | R467,468 | | Carbon chip 11kohm 1/32W | RMC73M-1F113JR | |
| | | | | | R469,470 | | Carbon chip 1.8kohm 1/32W | RMC73M-1F182JR | |
| | | | | | R471,472 | | Carbon Chip 6.8ohm 1/32W | RMC73M-1F688JR | |
| | | | | | R473,474 | | Carbon Chip 200ohm 1/32W | RMC73M-1F201JR | |
| | | | | | R475,476 | | Carbon chip 39ohm 1/32W | RMC73M-1F390JR | |
| | | | | | R477,478 | | Carbon chip 100ohm 1/32W | RMC73M-1F101JR | |
| | | | | | R701 | | Carbon chip 1kohm 1/32W | RMC73M-1F102JR | |
| | | | | | R702 | | Carbon Chip 200ohm 1/32W | RMC73M-1F201JR | |
| | | | | | R703 | | Carbon Chip 300ohm 1/32W | RMC73M-1F301JR | |
| | | | | | R704 | | Carbon Chip 510ohm 1/32W | RMC73M-1F511JR | |
| | | | | | R705 | | Carbon chip 1kohm 1/32W | RMC73M-1F102JR | |
| | | | | | R706 | | Carbon chip 3kohm 1/32W | RMC73M-1F302JR | |
| | | | | | R707 | | Carbon chip 1kohm 1/32W | RMC73M-1F102JR | |
| | | | | | R708 | | Carbon Chip 200ohm 1/32W | RMC73M-1F201JR | |
| | | | | | R709 | | Carbon Chip 300ohm 1/32W | RMC73M-1F301JR | |
| | | | | | R710 | | Carbon Chip 510ohm 1/32W | RMC73M-1F511JR | |
| | | | | | R711 | | Carbon chip 1kohm 1/32W | RMC73M-1F102JR | |
| | | | | | R712 | | Carbon chip 3kohm 1/32W | RMC73M-1F302JR | |
| | | | | | R713 | | Carbon chip 1kohm 1/32W | RMC73M-1F102JR | |
| | | | | | R714 | | Carbon Chip 200ohm 1/32W | RMC73M-1F201JR | |
| | | | | | R715 | | Carbon Chip 300ohm 1/32W | RMC73M-1F301JR | |

| Ref. No. | Part No. | Part Name | Remarks |
|-------------------------|--------------|--------------------------|-------------------|
| R716 | | Carbon Chip 510ohm 1/32W | RMC73M-1F511JR |
| R717 | | Carbon chip 1kohm 1/32W | RMC73M-1F102JR |
| R718 | | Carbon chip 3kohm 1/32W | RMC73M-1F302JR |
| R719 | | Carbon chip 1kohm 1/32W | RMC73M-1F102JR |
| R720 | | Carbon Chip 200ohm 1/32W | RMC73M-1F201JR |
| R721 | | Carbon Chip 300ohm 1/32W | RMC73M-1F301JR |
| R722 | | Carbon Chip 510ohm 1/32W | RMC73M-1F511JR |
| R723 | | Carbon chip 1kohm 1/32W | RMC73M-1F102JR |
| R724 | | Carbon film 33ohm 1/16W | RD14S1J330JR |
| R725 | | Carbon chip 10kohm 1/32W | RMC73M-1F103JR |
| R726,727 | | Carbon chip 680ohm 1/32W | RMC73M-1F681JR |
| R728,729 | | Carbon chip 47kohm 1/32W | RMC73M-1F473JR |
| R730 | | Carbon chip 390ohm 1/32W | RMC73M-1F391JR |
| R731,732 | | Carbon chip 100ohm 1/32W | RMC73M-1F101JR |
| R733 | | Carbon chip 10kohm 1/32W | RMC73M-1F103JR |
| R734-736 | | Carbon chip 47kohm 1/32W | RMC73M-1F473JR |
| R737 | | Carbon chip 10kohm 1/32W | RMC73M-1F103JR |
| R738 | | Carbon chip 3kohm 1/32W | RMC73M-1F302JR |
| VR452 | 9LA Y006 82 | Variable resistor 30kohm | |
| VR453 | 9LA Y006 81 | Variable resistor 10kohm | |
| CAPACITORS GROUP | | | |
| C451,452 | | Electrolytic 10µF/50V | CE04W1H100MB(SSL) |
| C453-456 | | Ceramic chip 100pF/50V | CK73MSL1H101JR |
| C457,458 | | Electrolytic 47µF/25V | CE04W1E470MB(SSL) |
| C459,460 | | Mylar film 2200pF/50V | CQ92M1H222KB |
| C461,462 | | Mylar film 0.18µF/50V | CQ92M1H184KB |
| C463,464 | | Electrolytic 1µF/50V | CE04W1H010MB(SSL) |
| C467,468 | | Mylar film 0.012µF/50V | CQ92M1H123KB |
| C469,470 | | Mylar film 0.056µF/50V | CQ92M1H563KB |
| C471,472 | | Electrolytic 0.33µF/50V | CE04W1HR33MB(SRA) |
| C473,474 | | Ceramic chip 0.022µF/50V | CK73MF1H223ZR |
| C701-703 | | Ceramic chip 0.01µF/50V | CK73MF1H103ZR |
| C704 | | Electrolytic 100µF/10V | CE04W1A101MB(SSL) |
| C705 | | Ceramic chip 0.1µF/25V | CK73MF1E104ZR |
| C706 | | Electrolytic 100µF/50V | CE04W1H101MB(SSL) |
| C707 | | Ceramic chip 0.01µF/50V | CK73MF1H103ZR |
| C708 | 9L0 8000 64R | Electrolytic 330µF/6.3V | CE04W0J331MB(SSL) |
| C709 | | Ceramic chip 30pF/50V | CK73MSL1H300JR |
| C710 | | Ceramic chip 1000pF/50V | CK73MB1H102KR |

| Ref. No. | Part No. | Part Name | Remarks | Q'ty |
|--------------------------|--------------|----------------------------|-------------------------|------|
| OTHER PARTS GROUP | | | | |
| FB701 | 9LB Z014 21 | Beads inductor | BL02RN1-R62 | 1 |
| S702-723 | 9LF E002 21R | Tact switch | | 22 |
| S725,726 | 9LF E002 21R | Tact switch | | 2 |
| RE724 | 9LF H001 51 | Encoder | | 1 |
| CN1A | 9LE D008 02 | 7P FFC connector (L) | | 1 |
| CN2A | 9LE D003 22 | 17P FFC connector | | 1 |
| CN3 | 9LE F068 99 | 2(3)P KR-DA connector cord | | 1 |
| | 9LJ T094 41 | FL P.W.B. Ass'y | U.S.A./Canada models | |
| | 9LJ T094 42 | FL P.W.B. Ass'y | Europe model | |
| | 9LJ T094 43 | FL P.W.B. Ass'y | U.K. model | |
| | 9LJ T094 44 | FL P.W.B. Ass'y | Asia model | |

EXPLODED VIEW



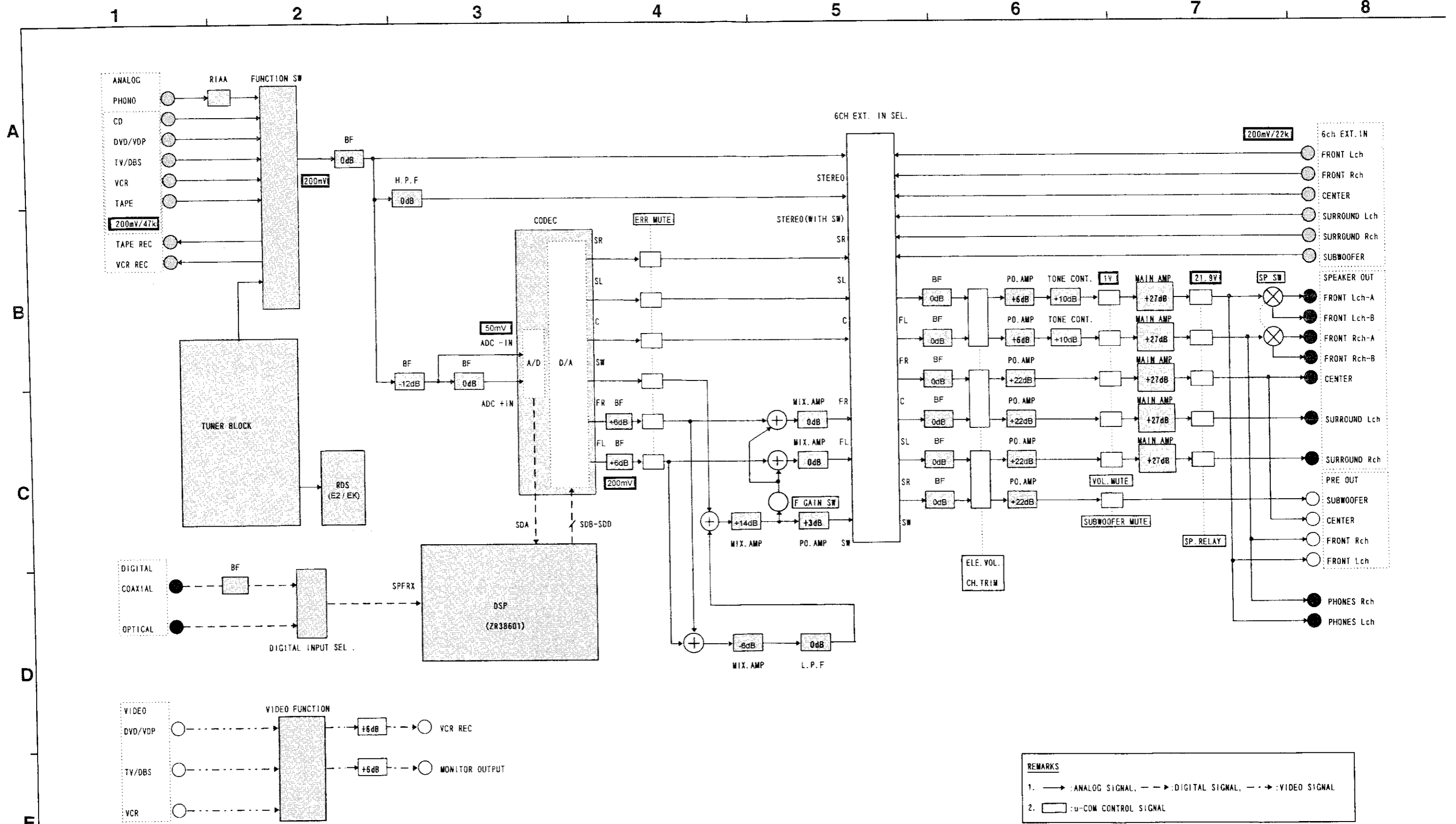
PARTS LIST OF EXPLODED VIEW

| Ref. No. | Part No. | Part Name | Remarks | Q'ty | Ref. No. | Part No. | Part Name | Remarks | Q'ty |
|----------|-------------|----------------------------------|-----------------------------|------|--|--------------|-----------------------|-----------------------------|------|
| 1 | Note | Main P.W.B. Ass'y | | 1 | 24 | 9LN A083 11 | P.W.B. bracket(A) | | 2 |
| 1-1 | | Main P.W.B. unit | | | 25 | 9LN A083 21 | P.W.B. bracket(B) | | 1 |
| 1-2 | | Digital in P.W.B. unit | | | 27 | Note | Power trans | | 1 |
| 1-3 | | SP jack P.W.B. unit | | | 28 | Note | AC cord | | 1 |
| 1-4 | | Video P.W.B. unit | | | 29 | 9LE K002 34 | 7P FFC cable(L=90) | W25 | 1 |
| 1-5 | | SW. H/P P.W.B. unit | | | 30 | 9LE K001 03 | 17P FFC cable(L=60) | W26 | 1 |
| 1-6 | | Power trans(2)P.W.B. unit | | | 31 | 9LM F001 73 | Insulation sheet | | 10 |
| 1-7 | | Protect P.W.B. unit | | | 32 | 273 0430 003 | Transistor 2SC4278(E) | TR407,513,514, 613,614 | 5 |
| 2 | Note | DSP P.W.B. Ass'y | | 1 | 33 | 271 0276 009 | Transistor 2SA1633(E) | TR408,515,516, 615,616 | 5 |
| 2-1 | | DSP P.W.B. unit | | | 34 | Note | Fuse | F901 | 1 |
| 3 | Note | Tuner P.W.B. Ass'y | | 1 | 35 | Note | Fuse | F902 | 1 |
| 3-1 | | Tuner P.W.B. unit | | | 36 | Note | Fuse | F903 | 1 |
| 3-2 | | Surround P.W.B. unit | | | 37 | Note | Fuse | F904 | 1 |
| 3-3 | | Power supply P.W.B. unit | | | 38 | Note | Fuse | F905 | 1 |
| 3-4 | | Power trans(1)P.W.B. unit | | | 39 | 9LE P000 62 | EC plug | U.K. model only | 1 |
| 3-5 | | AC outlet P.W.B. unit | U.S.A./Canada models only | | 40 | 9LN A206 22 | P.W.B. protector | Except U.S.A./Canada models | 1 |
| 3-6 | | Power SW.(2) P.W.B. unit | U.S.A./Canada models only | | 41 | 9LM L003 41 | Push rivet | Except U.S.A./Canada models | 6 |
| 3-7 | | Power SW.(1) P.W.B. unit | Except U.S.A./Canada models | | 42 | 9L4 9485 11 | Fuse caution label | U.S.A./Canada models only | 1 |
| 3-8 | | Voltage selector SW. P.W.B. unit | Asia model only | | 43 | 9L4 9303 12 | Number sheet | | 1 |
| 4 | Note | FL P.W.B. Ass'y | | 1 | 44 | 9LQ T008 82 | Preset label | Asia model only | 1 |
| 4-1 | | FL P.W.B. unit | | | 45 | 9L4 9313 07 | Origin label | | 1 |
| 4-2 | | Tone P.W.B. unit | | | SCREWS & NUTS | | | | |
| 5 | Note | Front panel | | 1 | 101 | 9L8 6914 10 | Screw 3x10 BT bind | | 33 |
| 6 | 9LP H066 71 | Inner panel | Black model | 1 | 102 | 9L8 6994 08 | Screw 3x8 BT bind B | | 3 |
| 6 | 9LP H066 72 | Inner panel | Gold model | 1 | 103 | 9L8 6994 10 | Screw 3x10 BT bind B | | Note |
| 7 | 9LP H066 81 | Clear panel | | 1 | 104 | 9L8 6994 14 | Screw 3x14 BT bind B | | 7 |
| 8 | 9LP C036 31 | Function button | Black model | 1 | 105 | 9L8 6794 08 | Screw 3x8 DT bind B | | 4 |
| 8 | 9LP C036 32 | Function button | Gold model | 1 | 106 | 9L8 6794 06 | Screw 3x6 DT bind B | | 9 |
| 9 | 9LP C036 41 | Surround button | Black model | 1 | 107 | 9L8 6796 06 | Screw 4x6 DT bind B | | 8 |
| 9 | 9LP C036 42 | Surround button | Gold model | 1 | 108 | 9LM K002 46 | Nut M9x0.75 | | 3 |
| 10 | 9LP C017 81 | Power button | Black model | 1 | 109 | 9LM K003 21 | Nut M12x1 | | 1 |
| 10 | 9LP C017 82 | Power button | Gold model | 1 | 110 | 9L8 6993 08 | Screw 2.6x8 BT bind B | Asia model only | 4 |
| 11 | 9LP C017 91 | Speaker button | Black model | 2 | PACKING & ACCESSORIES (Not included EXPLODED VIEW.) | | | | |
| 11 | 9LP C017 92 | Speaker button | Gold model | 2 | 201 | Note | Pory sack | for accessories | 1 |
| 12 | 9LP C036 51 | Vol. knob | Black model | 1 | 202 | 9L2 7593 41 | AM loop antenna | | 1 |
| 12 | 9LP C036 52 | Vol. knob | Gold model | 1 | 203 | 9LE F021 33 | FM antenna connector | | 1 |
| 13 | 9LP C017 41 | Bass knob | Black model | 2 | 204 | 9LE Y002 81 | Edison plug adapter | Asia model only | 1 |
| 13 | 9LP C017 42 | Bass knob | Gold model | 2 | 205 | Note | Instruction manual | | 1 |
| 14 | 9LQ A004 82 | Bottom chassis | | 1 | 206 | 9LH L011 61 | Remocon(RC-859) | | 1 |
| 15 | 9LM B004 01 | Heat sink | | 1 | 207 | Note | Carton box | | 1 |
| 16 | 9LM L002 51 | Mini P.W.B. post | | 4 | 208 | 9LS P056 31 | Cushion | | 2 |
| 17 | 9LM L004 31 | P.W.B. support(L) | | 3 | | | | | |
| 18 | Note | Rear plate | | 1 | | | | | |
| 19 | 9LN X039 61 | Phono earth terminal | | 1 | | | | | |
| 20 | 9LQ J002 11 | Foot | | 4 | | | | | |
| 21 | 9LM S002 11 | Felt | | 4 | | | | | |
| 22 | 9LQ A014 41 | Top cover | Black model | 1 | | | | | |
| 22 | 9LQ A004 99 | Top cover | Gold model | 1 | | | | | |
| ★ | 9L3 9737 31 | Bar lok tie | | Note | | | | | |

**ADDENDUM PARTS LIST
PARTS LIST OF EXPLODED VIEW**

| Ref. No. | Part Name | U.S.A./Canada | | Europe | | U.K. | | Asia | |
|--|-----------------------|---------------|------|--------------|------|--------------|------|--------------|------|
| | | Part No. | Q'ty | Part No. | Q'ty | Part No. | Q'ty | Part No. | Q'ty |
| 1 | Main P.W.B. Ass'y | 9LJ T094 61 | | 9LJ T094 62 | | 9LJ T094 63 | | 9LJ T094 64 | |
| 2 | DSP P.W.B. Ass'y | 9LJ T094 31 | | 9LJ T094 32 | | 9LJ T094 33 | | 9LJ T094 34 | |
| 3 | Tuner P.W.B. Ass'y | 9LJ T094 51 | | 9LJ T094 52 | | 9LJ T094 53 | | 9LJ T094 54 | |
| 4 | FL P.W.B. Ass'y | 9LJ T094 41 | | 9LJ T094 42 | | 9LJ T094 43 | | 9LJ T094 44 | |
| 5 | Front panel(Black) | 9LP H066 61 | | 9LP H066 62 | | 9LP H066 62 | | 9LP H066 67 | |
| 5 | Front panel(Gold) | — | | 9LP H066 64 | | — | | 9LP H066 66 | |
| 18 | Rear plate | 9LQ A014 51 | | 9LQ A014 52 | | 9LQ A014 52 | | 9LQ A014 53 | |
| 23 | Bar lok tie | 9L3 9737 31 | 8 | 9L3 9737 31 | 8 | 9L3 9737 31 | 8 | 9L3 9737 31 | 9 |
| 27 | Power trans | 9LB T013 51 | | 9LB T013 52 | | 9LB T013 52 | | 9LB T013 53 | |
| 28 | AC cord | 9LE V007 01 | | 9LE V005 86 | | 9LE V005 86 | | 9LE V005 86 | |
| 34 | Fuse 5A 125V (F901) | 9LF N002 33 | | — | | — | | — | |
| 35 | Fuse 5A 125V (F902) | 9LF N002 33 | | — | | — | | — | |
| 35 | Fuse T1.6A (F902) | — | | 9LF N002 28 | | 9LF N002 28 | | — | |
| 35 | Fuse T5A (F902) | — | | — | | — | | 9LF N002 23 | |
| 36 | Fuse T2.5A (F903) | — | | — | | — | | 9LF N002 22 | |
| 37 | Fuse 1.6A 250V (F904) | 9LF N002 34 | | — | | — | | — | |
| 37 | Fuse T1A (F904) | — | | 9LF N002 24 | | 9LF N002 24 | | 9LF N002 24 | |
| 38 | Fuse 1.6A 250V (F905) | 9LF N002 34 | | — | | — | | — | |
| 38 | Fuse T1A (F905) | — | | 9LF N002 24 | | 9LF N002 24 | | 9LF N002 24 | |
| SCREWS & NUTS | | | | | | | | | |
| 103 | Screw 3x10 BT bind B | 9L8 6994 10 | 33 | 9L8 6994 10 | 31 | 9L8 6994 10 | 31 | 9L8 6994 10 | 31 |
| PACKING & ACCESSORIES (Not included EXPLODED VIEW.) | | | | | | | | | |
| 201 | Pory sack | 9L3 6402 14W | | 9L3 6402 14W | | 9L3 6402 13W | | 9L3 6402 14W | |
| 202 | Instruction manual | 9LQ R291 31 | | 9LQ R291 32 | | 9LQ R291 32 | | 9LQ R291 33 | |
| 207 | Carton box | 9LS G090 41 | | 9LS G090 42 | | 9LS G090 42 | | 9LS G090 43 | |

BLOCK / LEVEL DIAGRAM



REMARKS
 1. ———: ANALOG SIGNAL, - - - : DIGITAL SIGNAL, - · - · : VIDEO SIGNAL
 2. □ : u-COM CONTROL SIGNAL

NOTE:

SCHEMATIC DIAGRAMS (1/6)

1

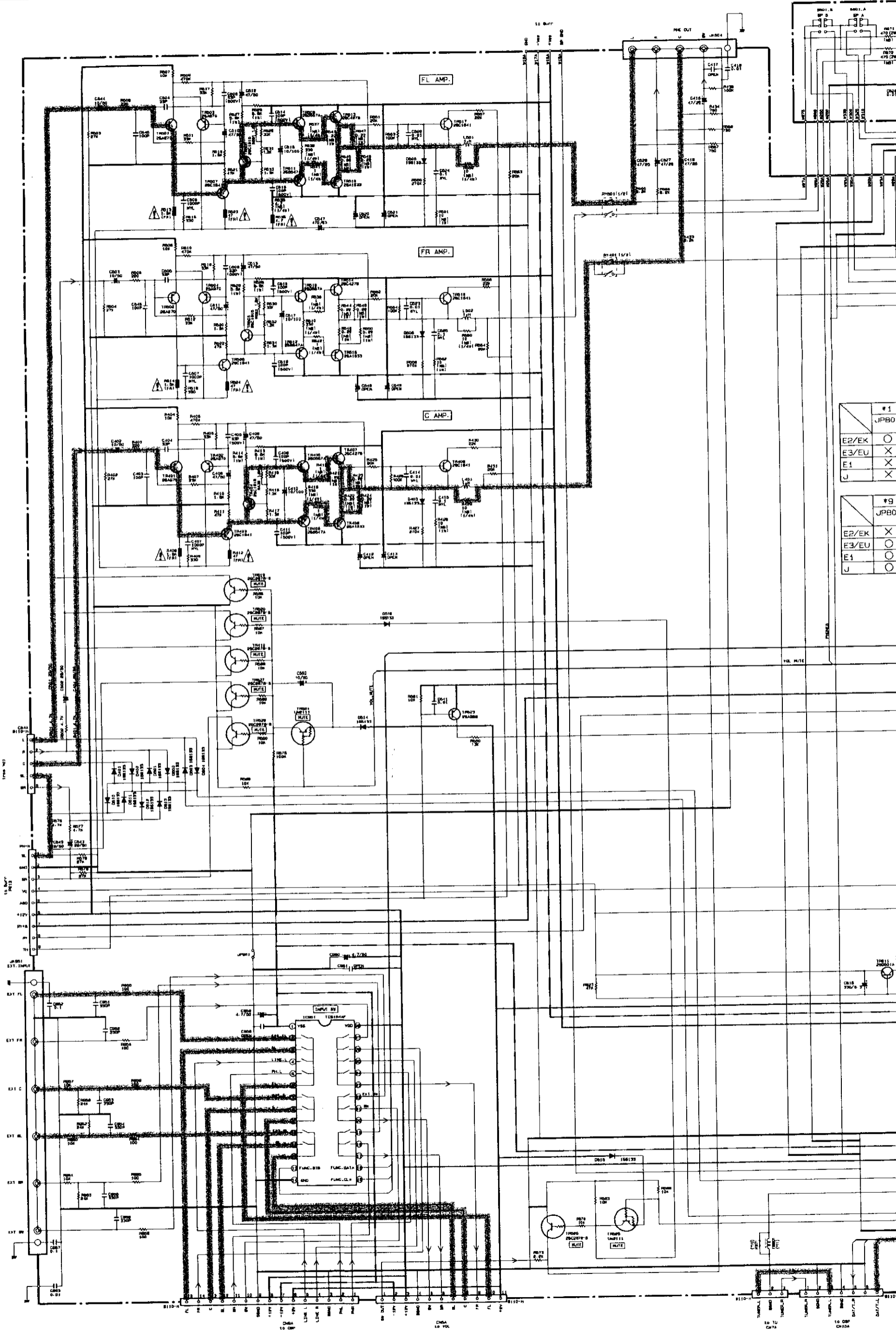
2

3

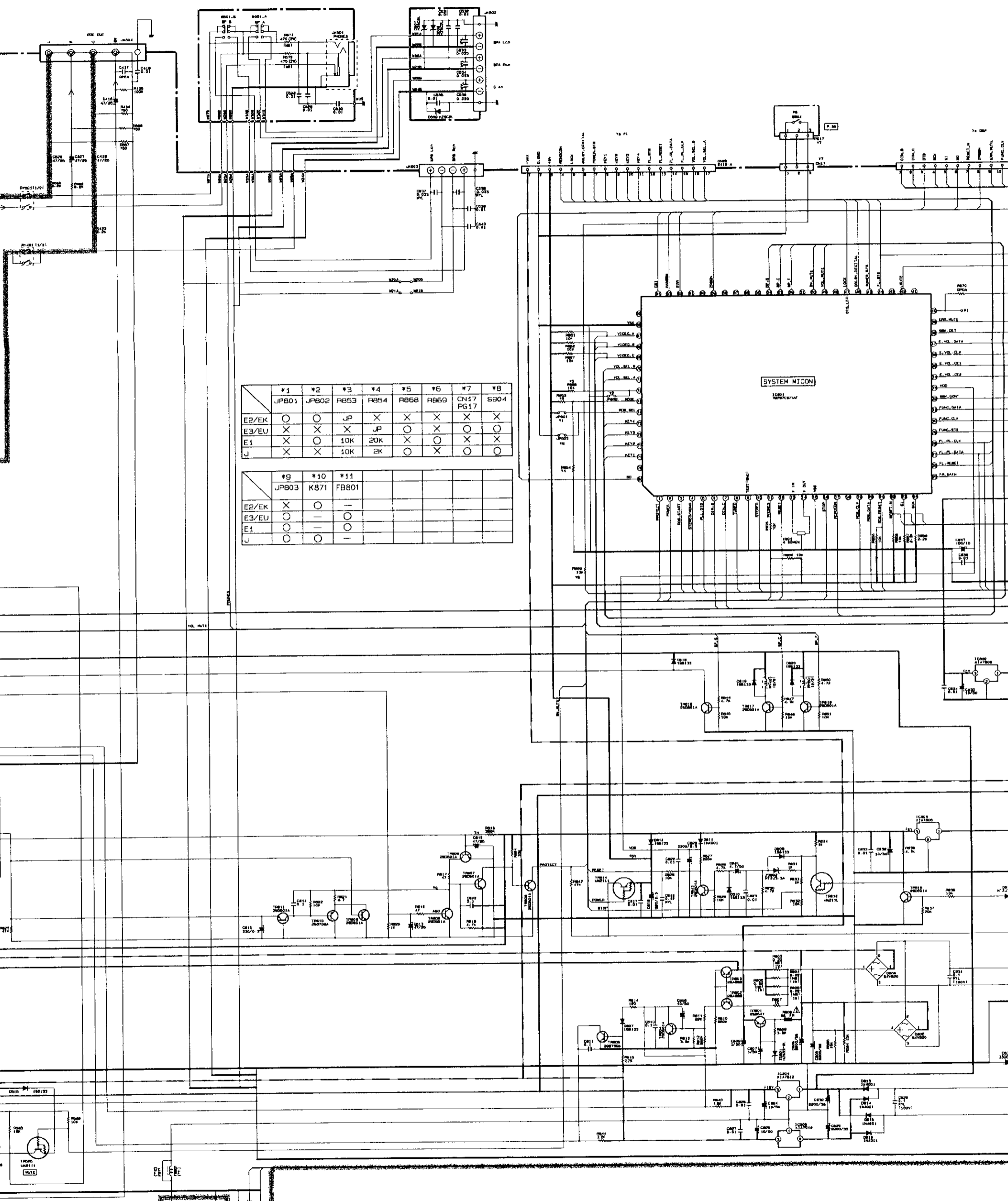
4

5

6



| | |
|-------|------|
| #1 | JPB0 |
| E2/EK | ○ |
| E3/EU | × |
| E1 | ○ |
| J | × |
| #9 | JPB0 |
| E2/EK | ○ |
| E3/EU | × |
| E1 | ○ |
| J | ○ |



| | #1 | #2 | #3 | #4 | #5 | #6 | #7 | #8 |
|-------|-------|-------|------|------|------|------|--------------|------|
| | JPB01 | JPB02 | RB53 | RB54 | RB68 | RB69 | CN17 PG17 | SB04 |
| E2/EK | ○ | ○ | JP | × | × | × | × | × |
| E3/EU | × | × | × | JP | ○ | × | ○ | ○ |
| E1 | × | ○ | 10K | 20K | × | ○ | × | × |
| J | × | × | 10K | 2K | ○ | × | ○ | ○ |

| | #9 | #10 | #11 |
|-------|-------|------|-------|
| | JPB03 | K871 | FB801 |
| E2/EK | × | ○ | — |
| E3/EU | ○ | — | ○ |
| E1 | ○ | — | ○ |
| J | ○ | ○ | — |

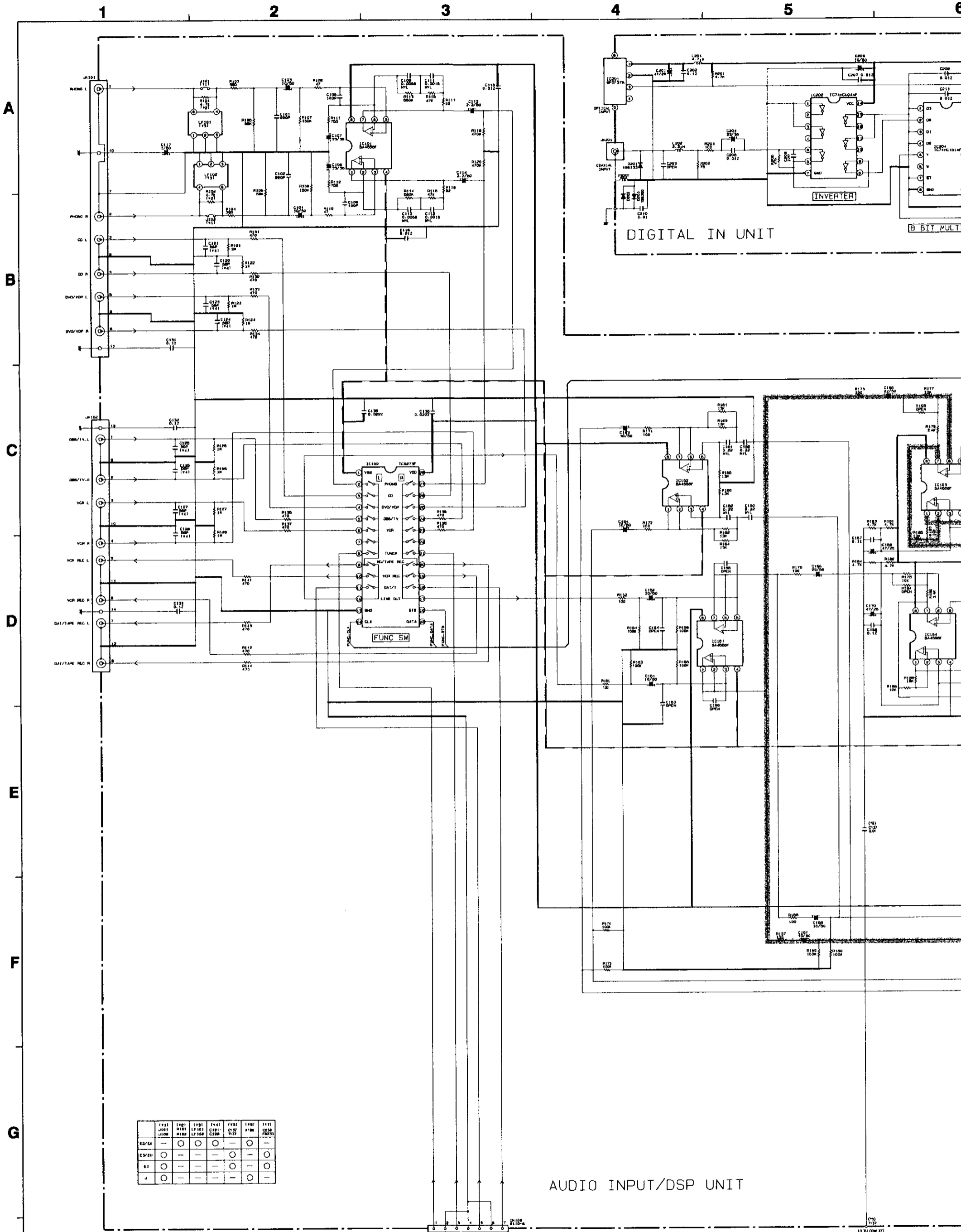
NOTICE
 ALL RESISTANCE VALUES IN OHM. K=1,000 OHM M=1,000,000 OHM
 ALL CAPACITANCE VALUES IN MICRO FARAD. P=MICRO-MICRO FARAD
 EACH VOLTAGE AND CURRENT ARE MEASURED AT NO SIGNAL INPUT
 CONDITION
 CIRCUIT AND PARTS ARE SUBJECT TO CHANGE WITHOUT PRIOR
 NOTICE

WARNING:
 Parts marked with this symbol have critical characteristics.
 Use ONLY replacement parts recommended by the manufacturer.

CAUTION:
 Before returning the unit to the customer, make sure you make either (1) a
 leakage current check or (2) a line to chassis resistance check. If the leakage
 current exceeds 0.5 mAmps, or if the resistance from chassis to either side
 of the power cord is less than 460 kohms, the unit is defective.

WARNING:
 DO NOT return the unit to the customer until the problem is located and
 corrected.

SCHEMATIC DIAGRAMS (2/6)

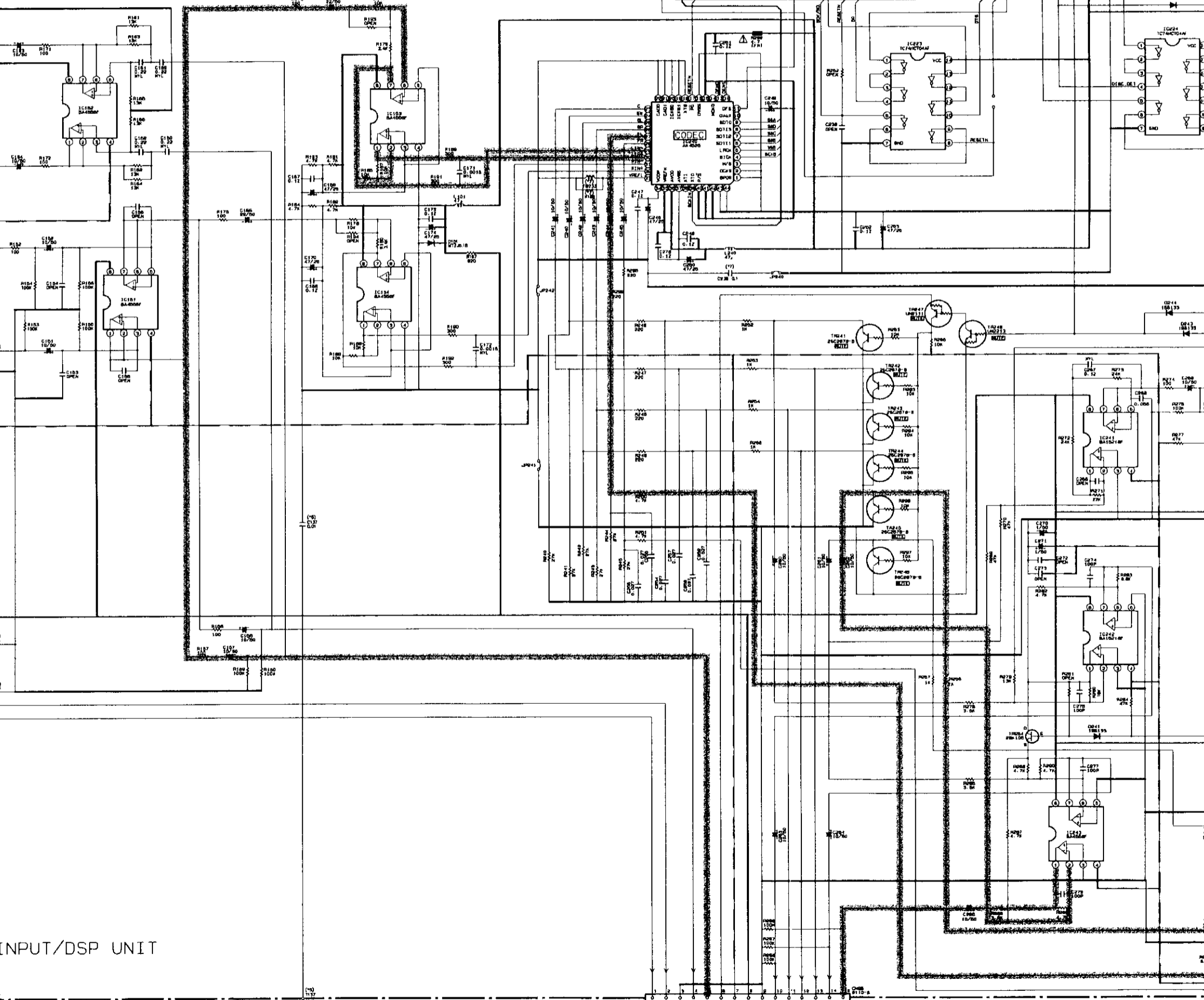
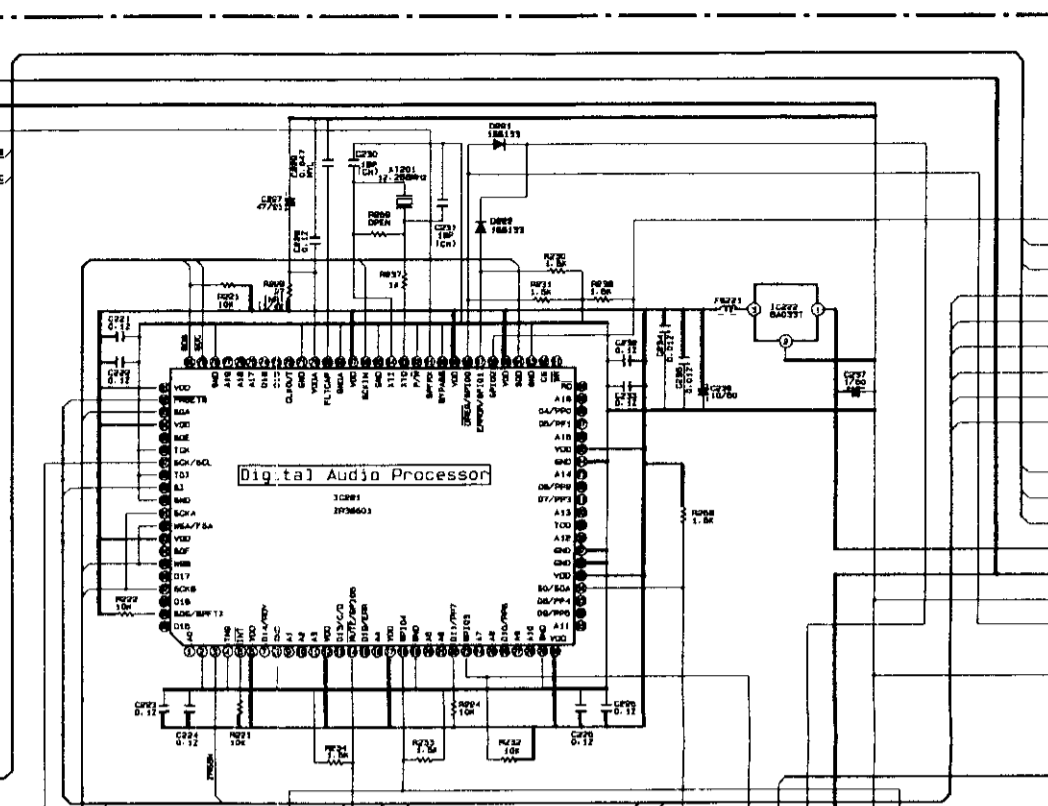
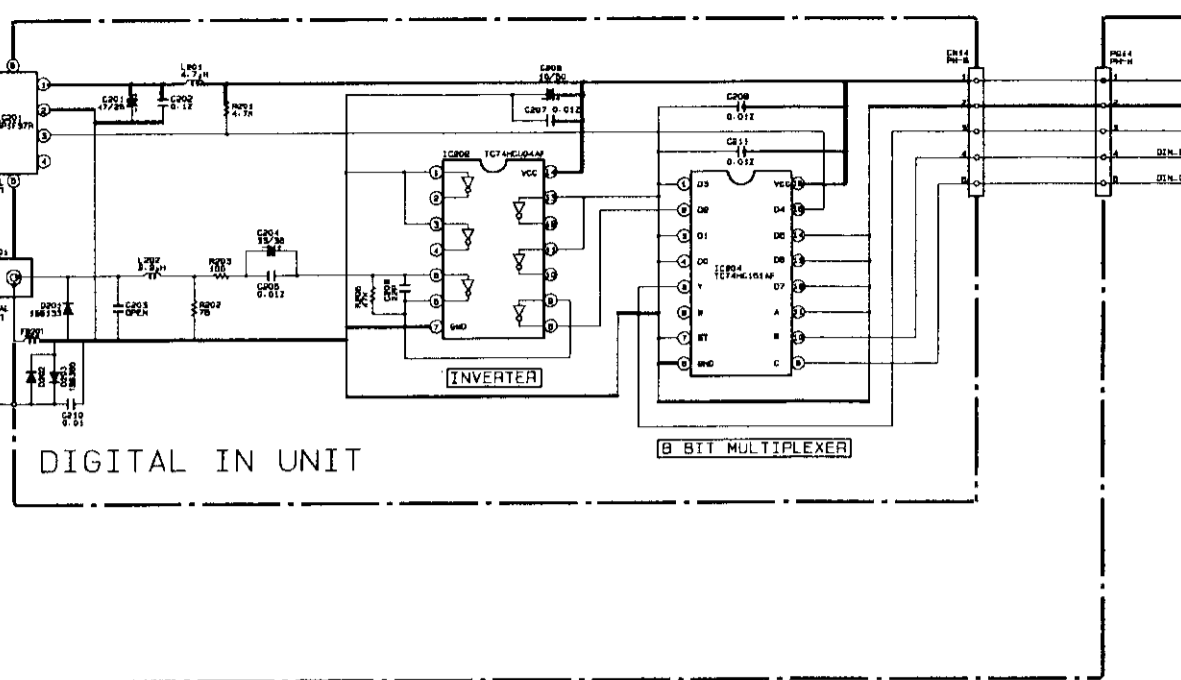


| | | | | | | | |
|-------|------|------|------|------|------|------|------|
| | 1421 | 1422 | 1423 | 1424 | 1425 | 1426 | 1427 |
| ES/EA | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| ES/EU | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| SI | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| J | ○ | ○ | ○ | ○ | ○ | ○ | ○ |

AUDIO INPUT/DSP UNIT

NOTICE:
 ALL RESISTANCE VALUES IN OHM, k=1,000 OHM M=1,000,000 OHM
 ALL CAPACITANCE VALUES IN MICRO FARAD, P=MICRO-MICRO FARAD
 EACH VOLTAGE AND CURRENT ARE MEASURED AT NO SIGNAL INPUT
 CONDITION.
 CIRCUIT AND PARTS ARE SUBJECT TO CHANGE WITHOUT PRIOR
 NOTICE.

WARNING:
 Parts marked with this symbol have critical failure modes. Use ONLY replacement parts recommended by the manufacturer.
CAUTION:
 Before returning the unit to the customer, make leakage current check or (2) a line to chassis current exceeds 0.5 milliamps, or if the resistance of the power cord is less than 460 kohms, the unit must be repaired.
WARNING:
 DO NOT return the unit to the customer until corrected.



RESISTOR VALUES IN OHM, K=1,000 OHM, M=1,000,000 OHM
 CAPACITOR VALUES IN MICRO FARAD, P=PICTO-MICRO FARAD
 ALL MEASUREMENTS AND CURRENT ARE MEASURED AT NO SIGNAL INPUT
 PARTS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE

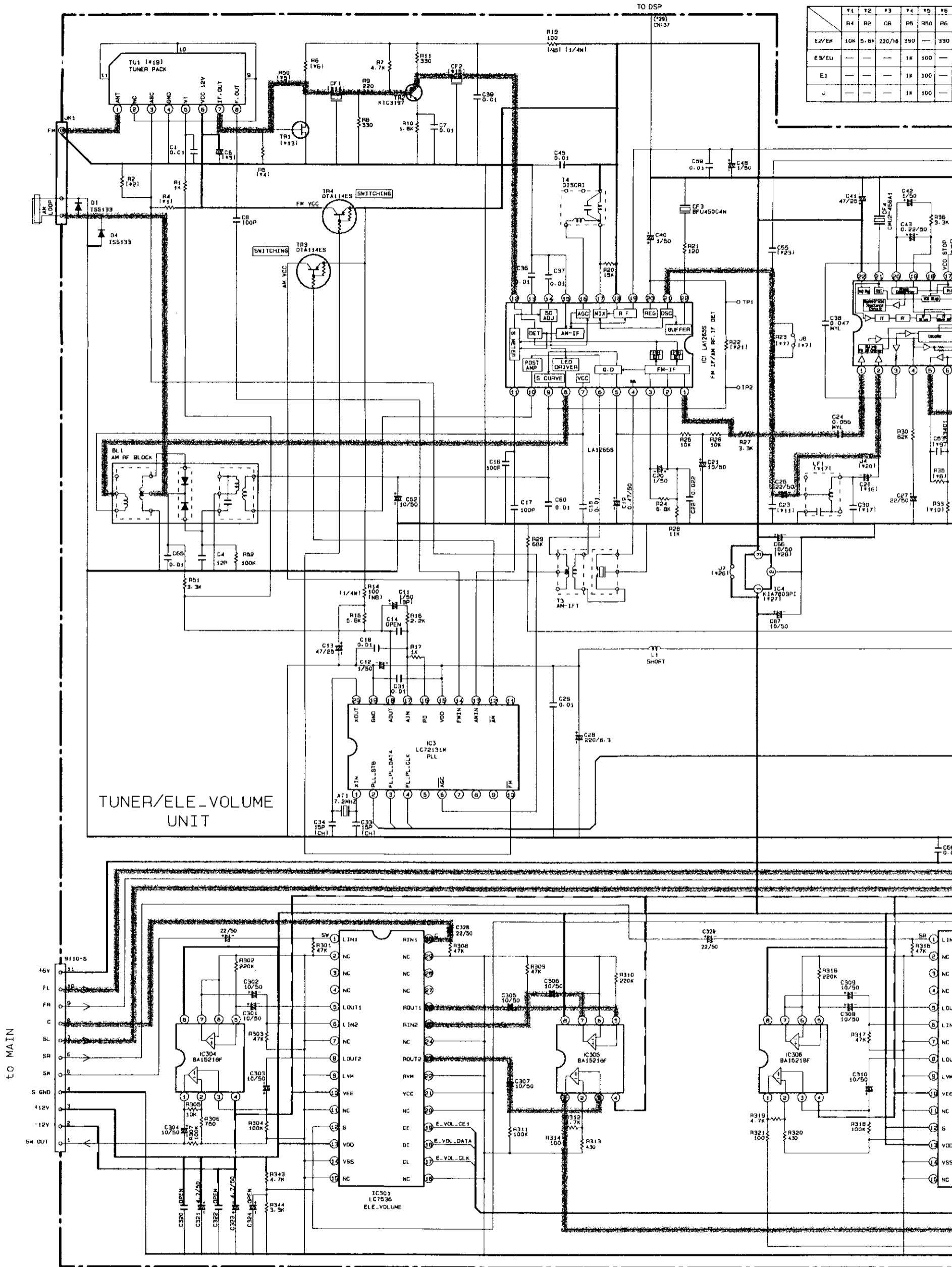
WARNING:
 Parts marked with this symbol Δ have critical characteristics. Use ONLY replacement parts recommended by the manufacturer.

CAUTION:
 Before returning the unit to the customer, make sure you make either (1) a leakage current check or (2) a line to chassis resistance check. If the leakage current exceeds 0.5 millamps, or if the resistance from chassis to either side of the power cord is less than 460 kohms, the unit is defective.

WARNING:
 DO NOT return the unit to the customer until the problem is located and corrected.

SCHEMATIC DIAGRAMS (3/6)

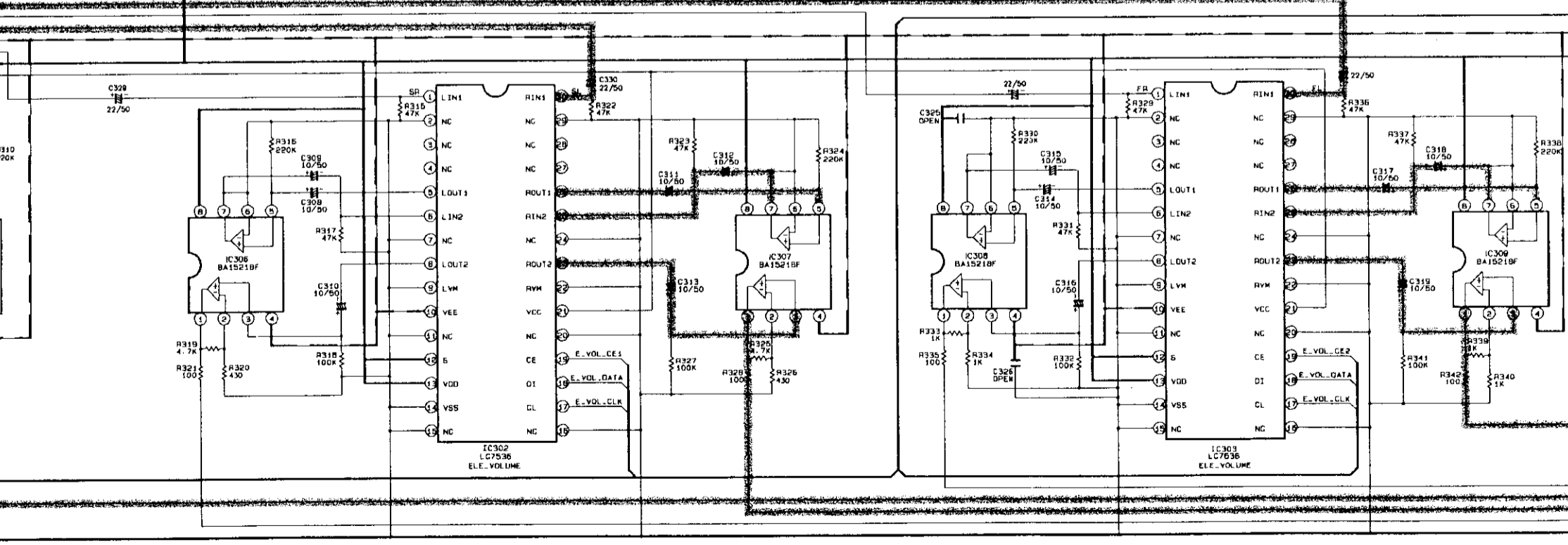
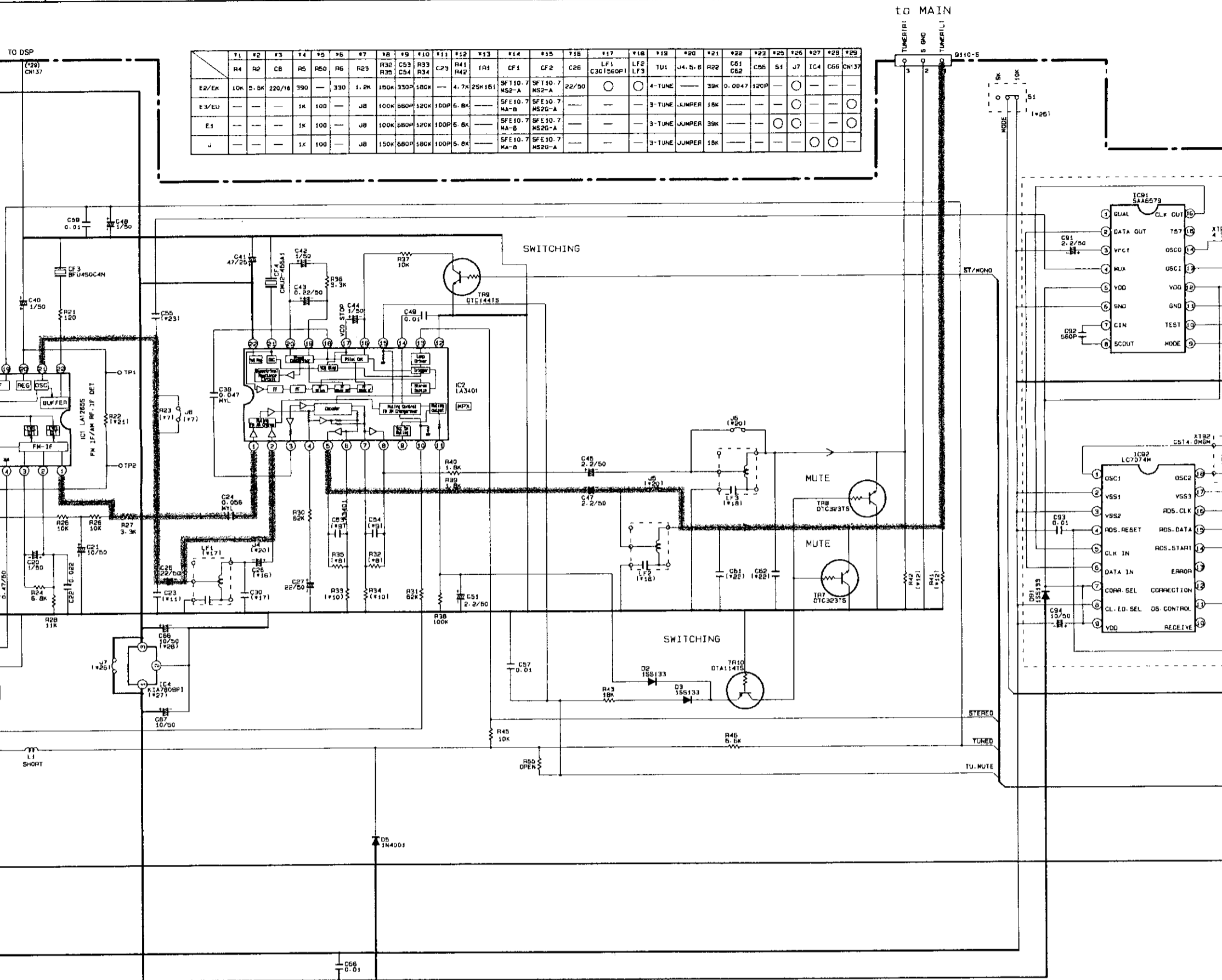
1 2 3 4 5



NOTICE

ALL RESISTANCE VALUES IN OHM. k=1,000 OHM M=1,000,000 OHM
 ALL CAPACITANCE VALUES IN MICRO-FARAD. P=MICRO-MICRO FARAD
 EACH VOLTAGE AND CURRENT ARE MEASURED AT NO SIGNAL INPUT
 CONDITION.
 CIRCUIT AND PARTS ARE SUBJECT TO CHANGE WITHOUT PRIOR
 NOTICE.

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------|-----|------|--------|-----|-----|-----|------|------|------|------|------|------|--------|------------------|------------------|-------|-----|-----|-----|--------|--------|-----|--------|------|-----|-----|-----|-----|-----|-------|
| | R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 | R16 | R17 | R18 | R19 | R20 | R21 | R22 | R23 | R24 | R25 | R26 | R27 | R28 | R29 | |
| | R4 | R2 | CB | R5 | R50 | R6 | R23 | R32 | C53 | R33 | C23 | R41 | TR1 | CF1 | CF2 | C26 | LF1 | LF2 | LF3 | TU1 | J4-5-6 | R22 | C61 | C62 | C55 | S1 | J7 | IC4 | C66 | DN137 |
| E2/EK | 10K | 0.5K | 220/18 | 390 | — | 330 | 1.2K | 150K | 330P | 100K | — | 4.7K | 25K181 | SFE10-7 MS2-A | SFE10-7 MS2-A | 22/50 | ○ | ○ | ○ | 4-TUNE | — | 39K | 0.0047 | 120P | — | ○ | — | — | — | |
| E3/EU | — | — | — | 1K | 100 | — | JB | 100K | 680P | 120K | 100P | 6.8K | — | SFE10-7 MA-B | SFE10-7 MS2-A | — | — | — | — | 3-TUNE | JUMPER | 18K | — | — | — | ○ | — | — | ○ | |
| E1 | — | — | — | 1K | 100 | — | JB | 100K | 680P | 120K | 100P | 6.8K | — | SFE10-7 MA-B | SFE10-7 MS2-A | — | — | — | — | 3-TUNE | JUMPER | 39K | — | — | ○ | — | — | — | ○ | |
| J | — | — | — | 1K | 100 | — | JB | 150K | 680P | 180K | 100P | 6.8K | — | SFE10-7 MA-B | SFE10-7 MS2-A | — | — | — | — | 3-TUNE | JUMPER | 18K | — | — | — | — | ○ | — | ○ | |



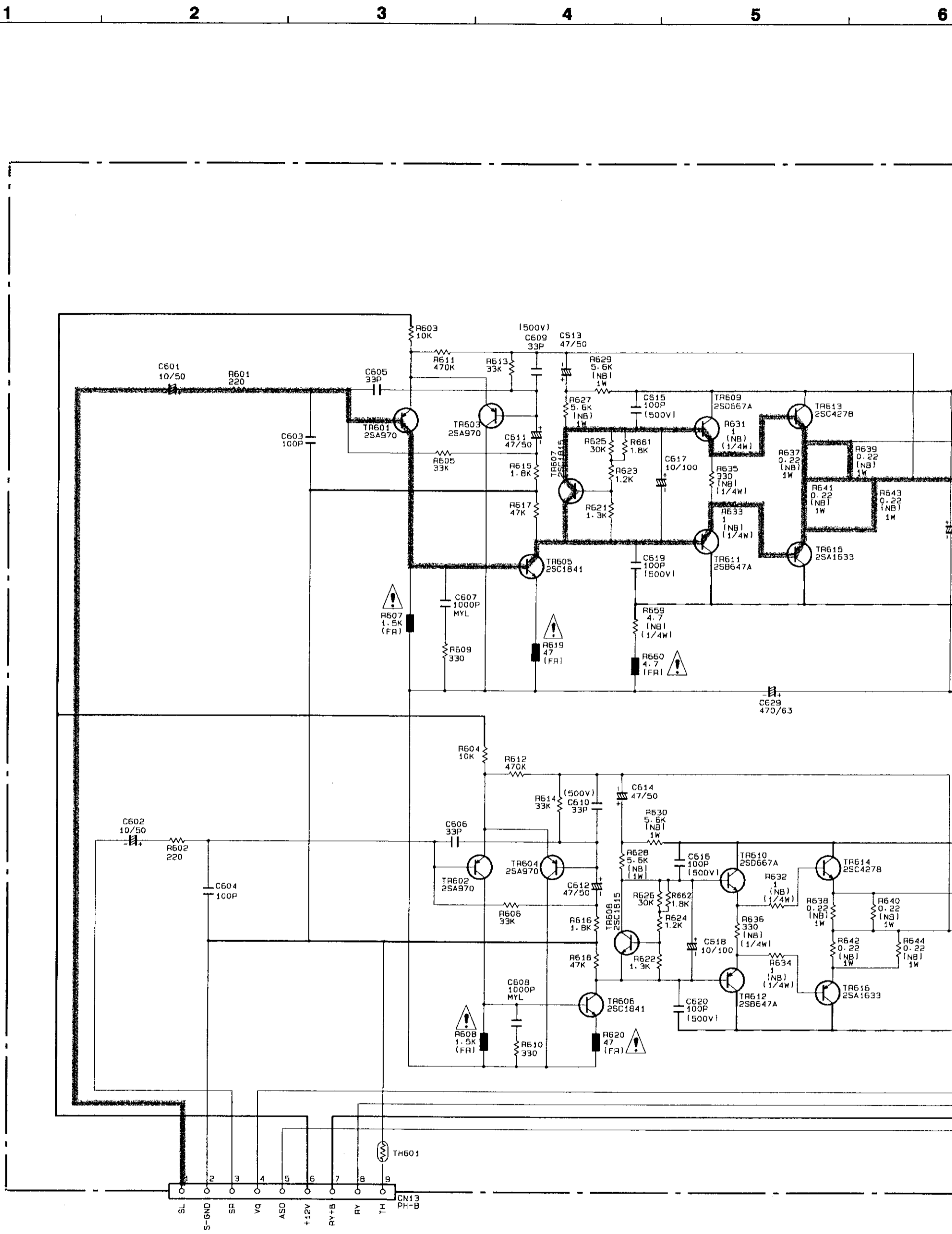
RESISTANCE VALUES IN OHM. K=1,000 OHM M=1,000,000 OHM
CAPACITANCE VALUES IN MICRO FARAD. P=MICRO-MICRO FARAD
VOLTAGE AND CURRENT ARE MEASURED AT NO SIGNAL INPUT CONDITION.
CIRCUIT AND PARTS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.

WARNING:
Parts marked with this symbol have critical characteristics. Use ONLY replacement parts recommended by the manufacturer.

CAUTION:
Before returning the unit to the customer, make sure you make either (1) a leakage current check or (2) a line to chassis resistance check. If the leakage current exceeds 0.5 millamps, or if the resistance from chassis to either side of the power cord is less than 460 kohms, the unit is defective.

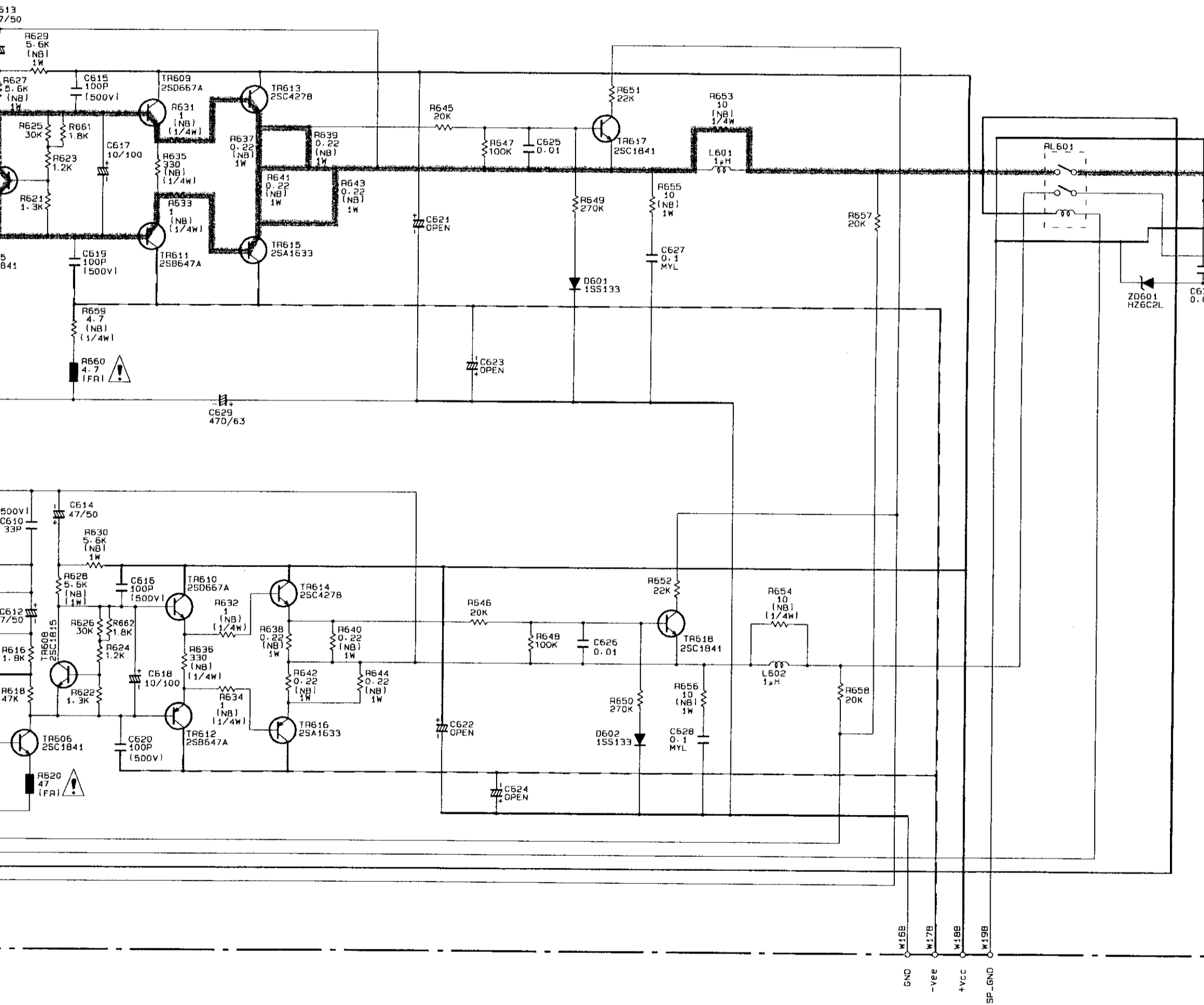
WARNING:
DO NOT return the unit to the customer until the problem is located and corrected.

SCHEMATIC DIAGRAMS (4/6)



NOTICE
 ALL RESISTANCE VALUES IN OHM. K=1,000 OHM M=1,000,000 OHM
 ALL CAPACITANCE VALUES IN MICRO FARAD. P=MICRO-MICRO FARAD
 EACH VOLTAGE AND CURRENT ARE MEASURED AT NO SIGNAL INPUT
 CONDITION.
 CIRCUIT AND PARTS ARE SUBJECT TO CHANGE WITHOUT PRIOR
 NOTICE.

SURROUND MAIN AMP UNIT



NOTICE
 ALL RESISTANCE VALUES IN OHM. k=1,000 OHM M=1,000,000 OHM
 ALL CAPACITANCE VALUES IN MICRO FARAD. P=MICRO-MICRO FARAD
 EACH VOLTAGE AND CURRENT ARE MEASURED AT NO SIGNAL INPUT
 CONDITION.
 CIRCUIT AND PARTS ARE SUBJECT TO CHANGE WITHOUT PRIOR
 NOTICE.

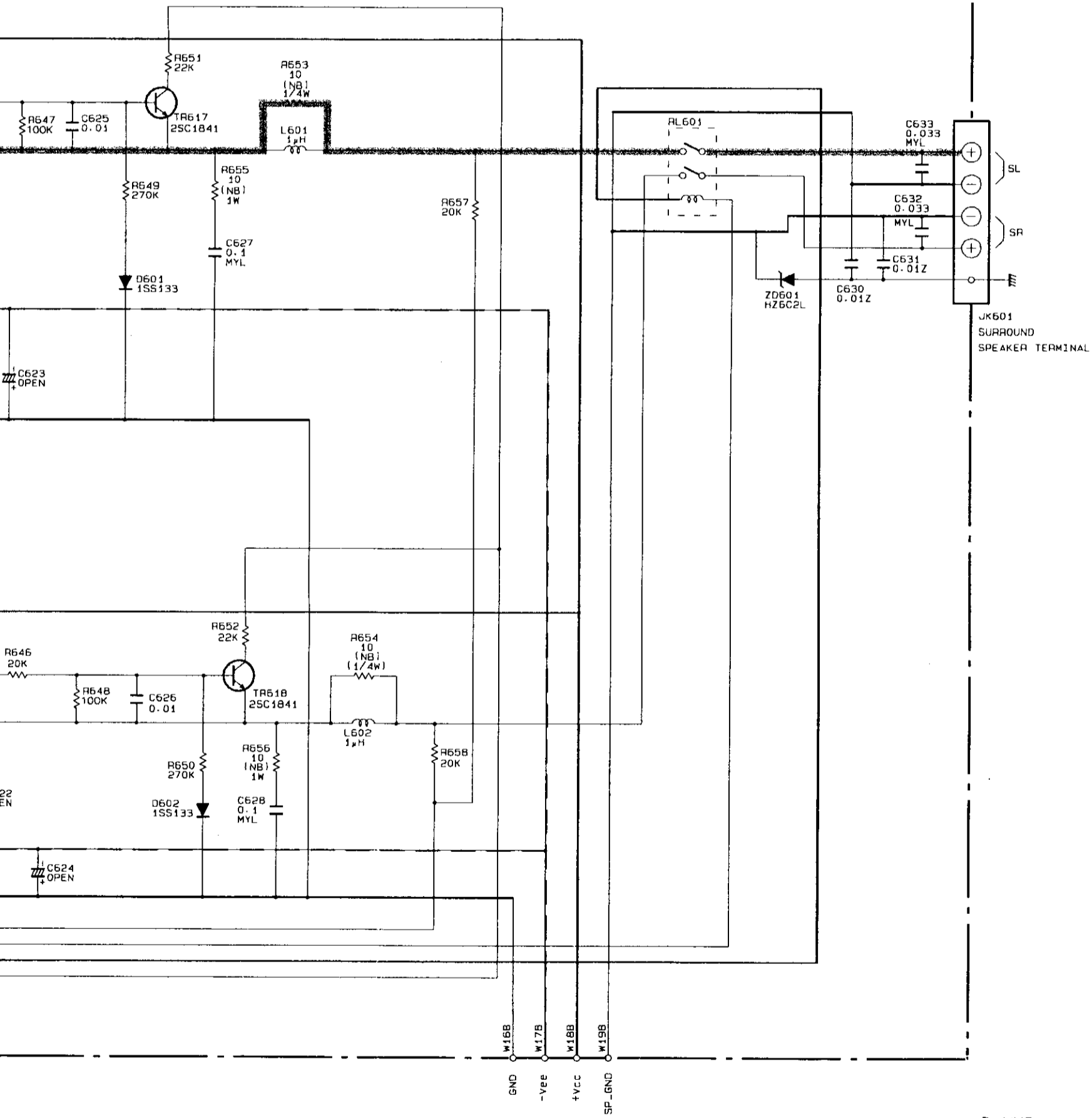
WARNING:
 Parts marked with this symbol  have critical characteristics.
 Use ONLY replacement parts recommended by the manufacturer.

CAUTION:
 Before returning the unit to the customer, make sure you make either (1) a
 leakage current check or (2) a line to chassis resistance check. If the leakage
 current exceeds 0.5 millamps, or if the resistance from chassis to either side
 of the power cord is less than 460 kohms, the unit is defective.

WARNING:
 DO NOT return the unit to the customer until the problem is located and
 corrected.

to MAIN

SURROUND MAIN AMP UNIT



to MAIN

_____ +B LINE
 - - - - - - - - - - -B LINE
 ~~~~~~ SIGNAL LINE

**WARNING:**  
 Parts marked with this symbol  have critical characteristics. Use ONLY replacement parts recommended by the manufacturer.

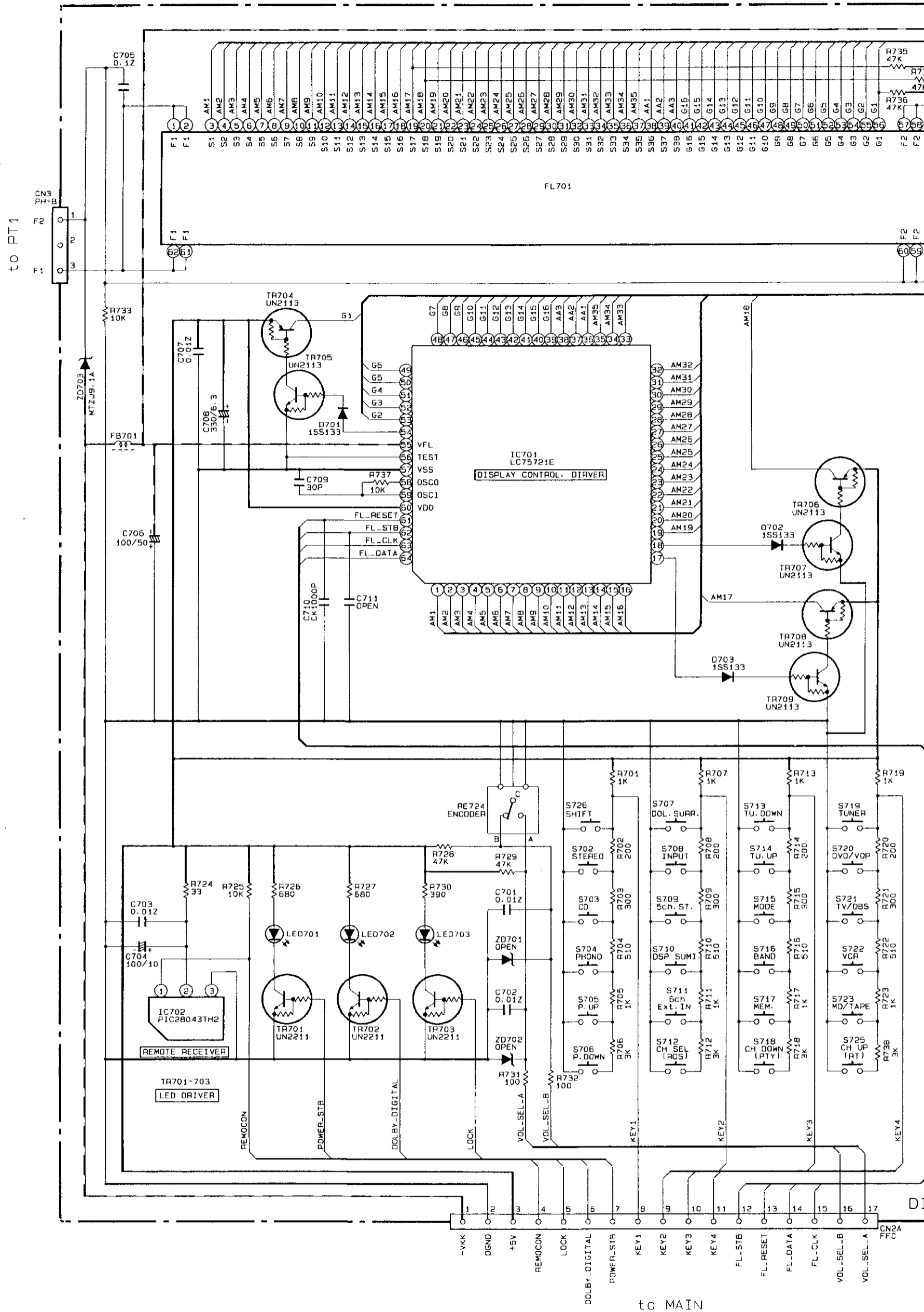
**CAUTION:**  
 Before returning the unit to the customer, make sure you make either (1) a leakage current check or (2) a line to chassis resistance check. If the leakage current exceeds 0.5 milliamperes, or if the resistance from chassis to either side of the power cord is less than 460 kohms, the unit is defective.

**WARNING:**  
 DO NOT return the unit to the customer until the problem is located and corrected.

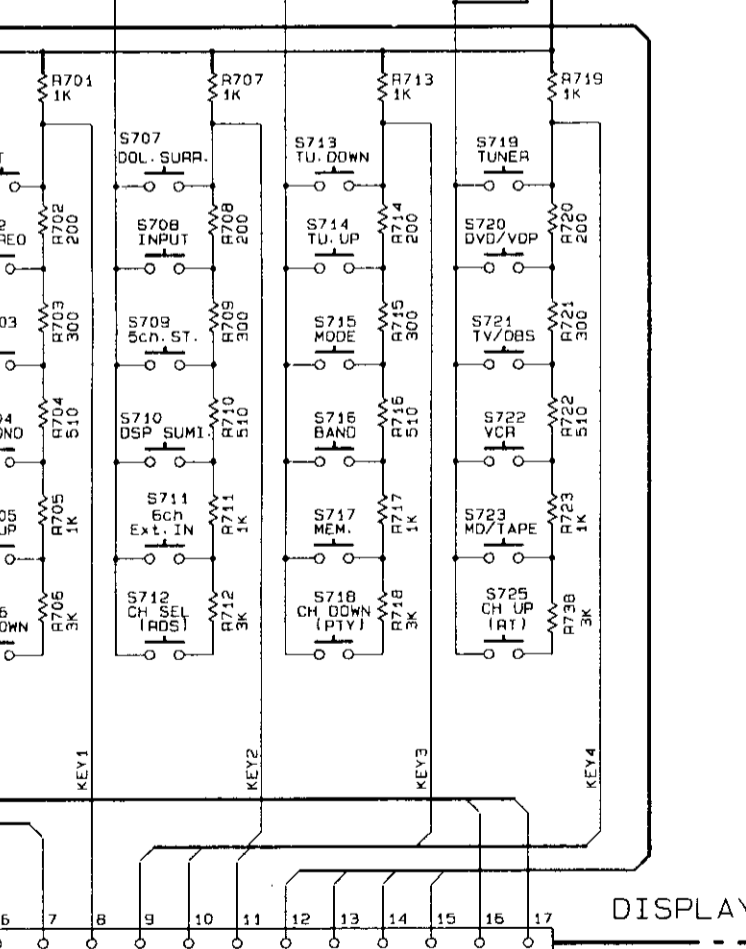
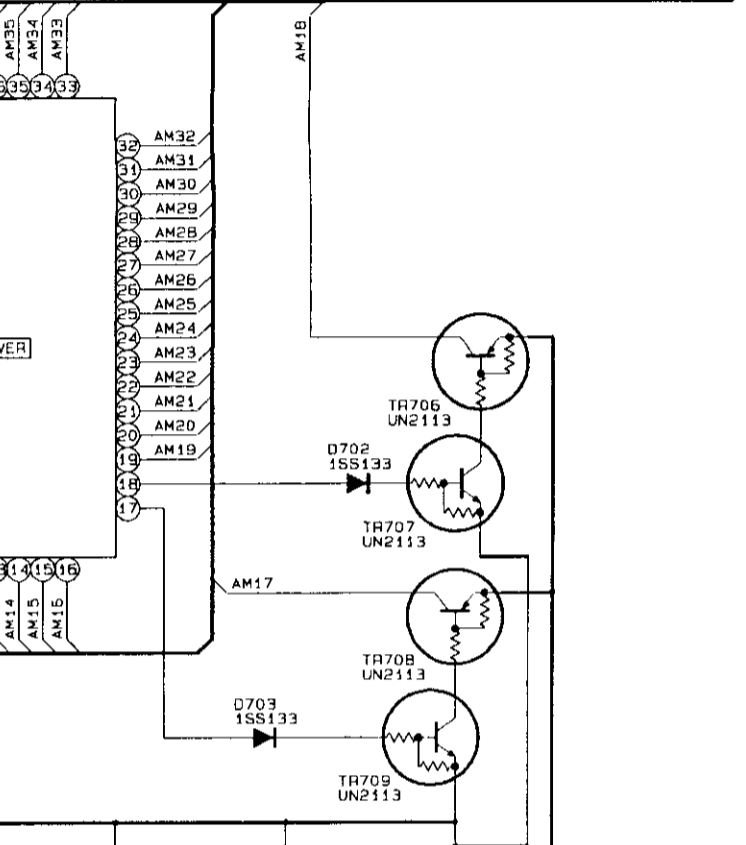
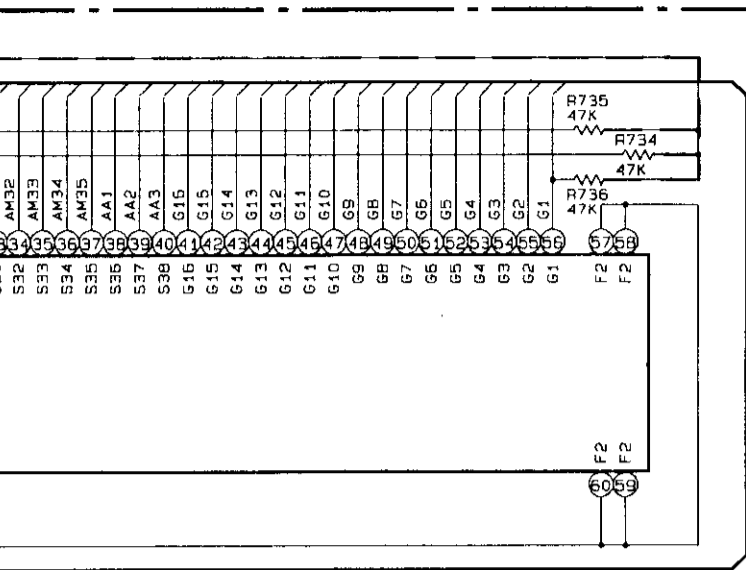


# SCHEMATIC DIAGRAMS (5/6)

1 2 3 4 5



**NOTICE**  
 ALL RESISTANCE VAL  
 ALL CAPACITANCE V  
 EACH VOLTAGE AND  
 CONDITION.  
 CIRCUIT AND PARTS  
 NOTICE.

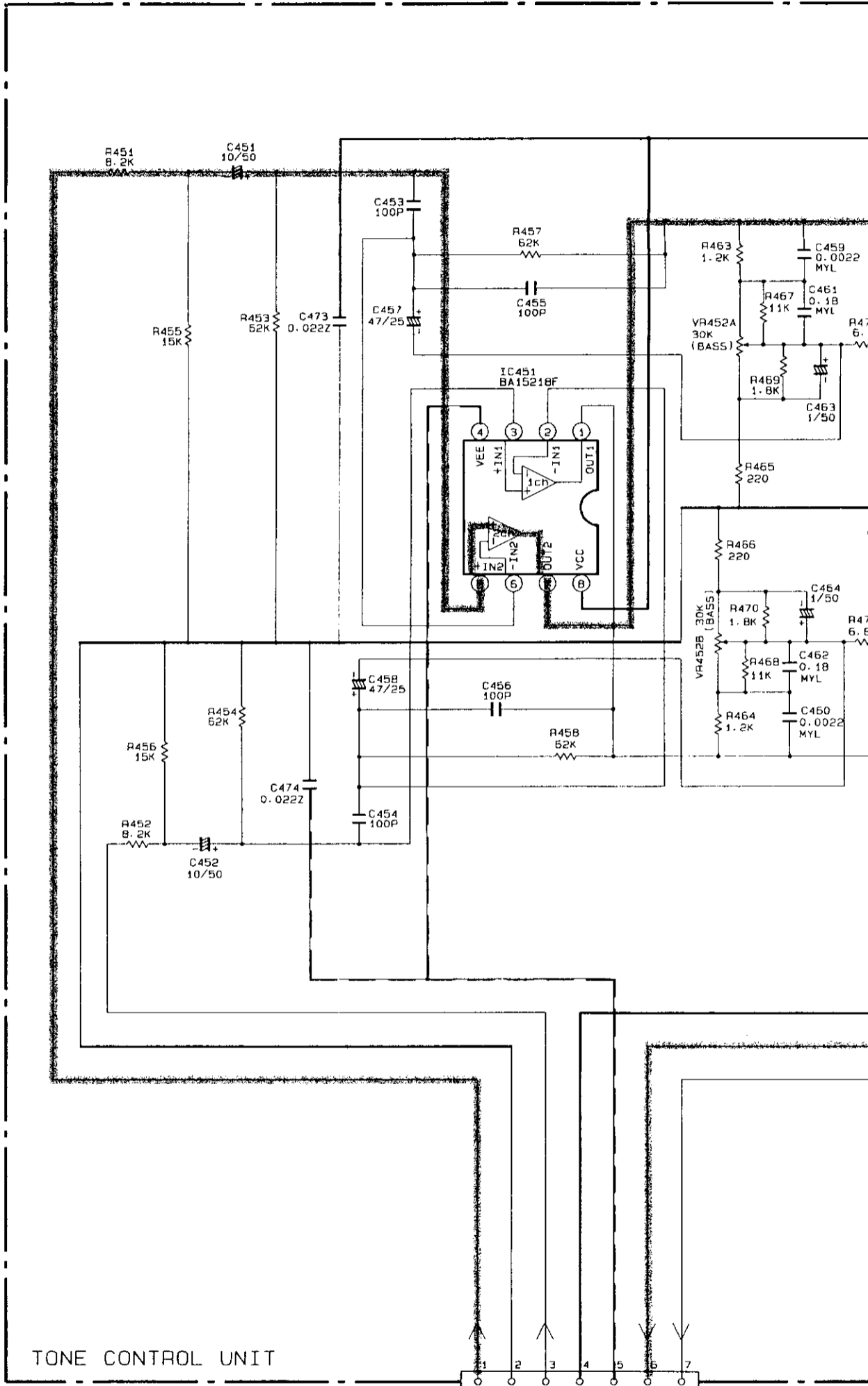


DISPLAY UNIT

to MAIN

NOTICE

ALL RESISTANCE VALUES IN OHM. k=1,000 OHM M=1,000,000 OHM  
 ALL CAPACITANCE VALUES IN MICRO FARAD. P=MICRO-MICRO FARAD  
 EACH VOLTAGE AND CURRENT ARE MEASURED AT NO SIGNAL INPUT  
 CONDITION.  
 CIRCUIT AND PARTS ARE SUBJECT TO CHANGE WITHOUT PRIOR  
 NOTICE.



TONE CONTROL UNIT

to TU/E VOL

WARNING:

Parts marked with this symbol  have critical characteristics.  
 Use ONLY replacement parts recommended by the manufacturer.

CAUTION:

Before returning the unit to the customer, make sure you make either (1) a leakage current check or (2) a line to chassis resistance check. If the leakage current exceeds 0.5 milliamps, or if the resistance from chassis to either side of the power cord is less than 460 kohms, the unit is defective.

WARNING:

DO NOT return the unit to the customer until the problem is located and corrected.

SCHE

7

8

9

10

11

A

B

C

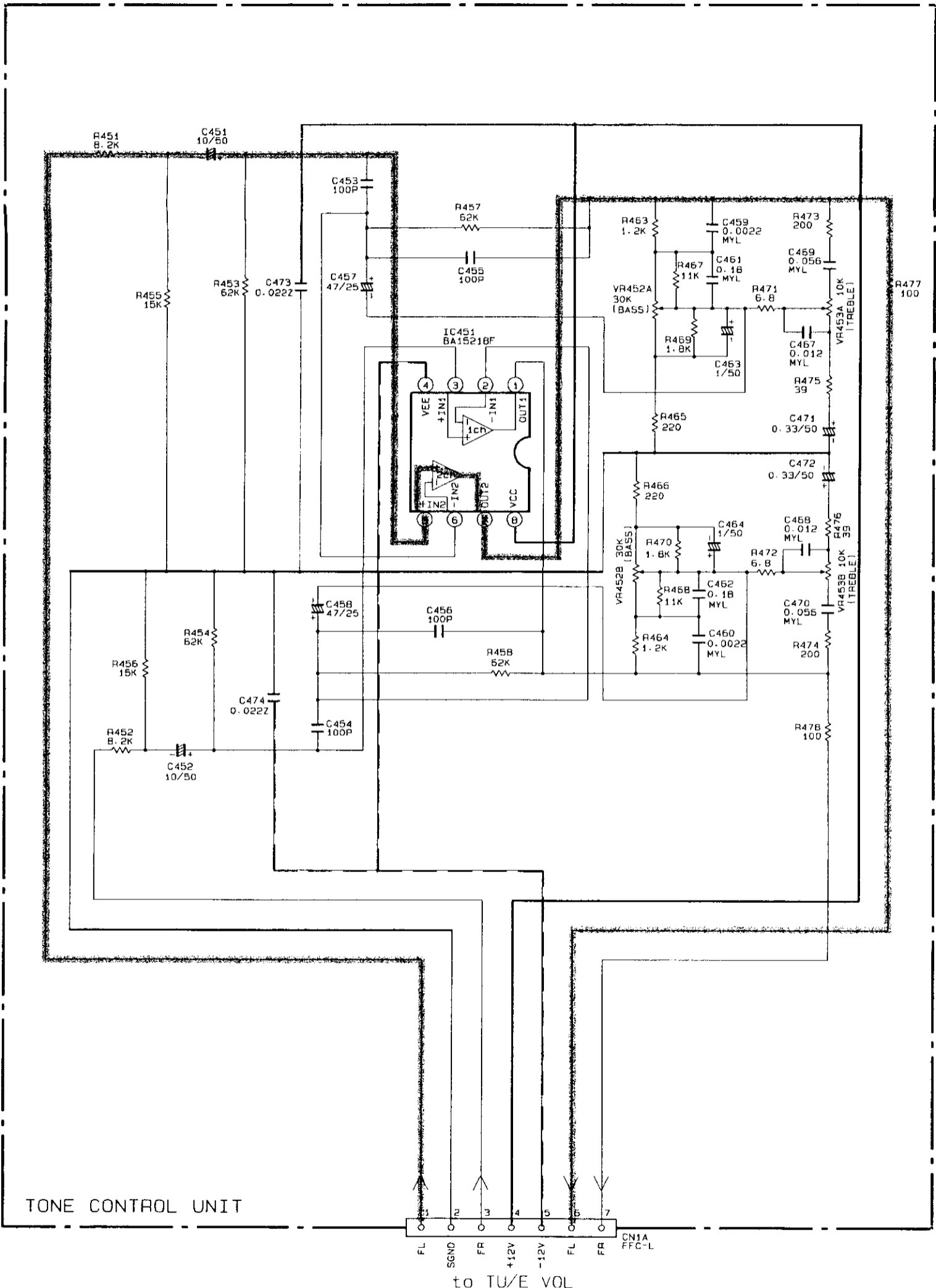
D

E

F

G

H



UNIT

TONE CONTROL UNIT

FL 1  
 SGND 2  
 FR 3  
 +12V 4  
 -12V 5  
 FL 6  
 FR 7  
 CN1A  
 FPC-L  
 to TU/E VOL

**WARNING:**  
 Parts marked with this symbol have critical characteristics. Use ONLY replacement parts recommended by the manufacturer.

**CAUTION:**  
 Before returning the unit to the customer, make sure you make either (1) a leakage current check or (2) a line to chassis resistance check. If the leakage current exceeds 0.5 milliamps, or if the resistance from chassis to either side of the power cord is less than 460 kohms, the unit is defective.

**WARNING:**  
 DO NOT return the unit to the customer until the problem is located and corrected.

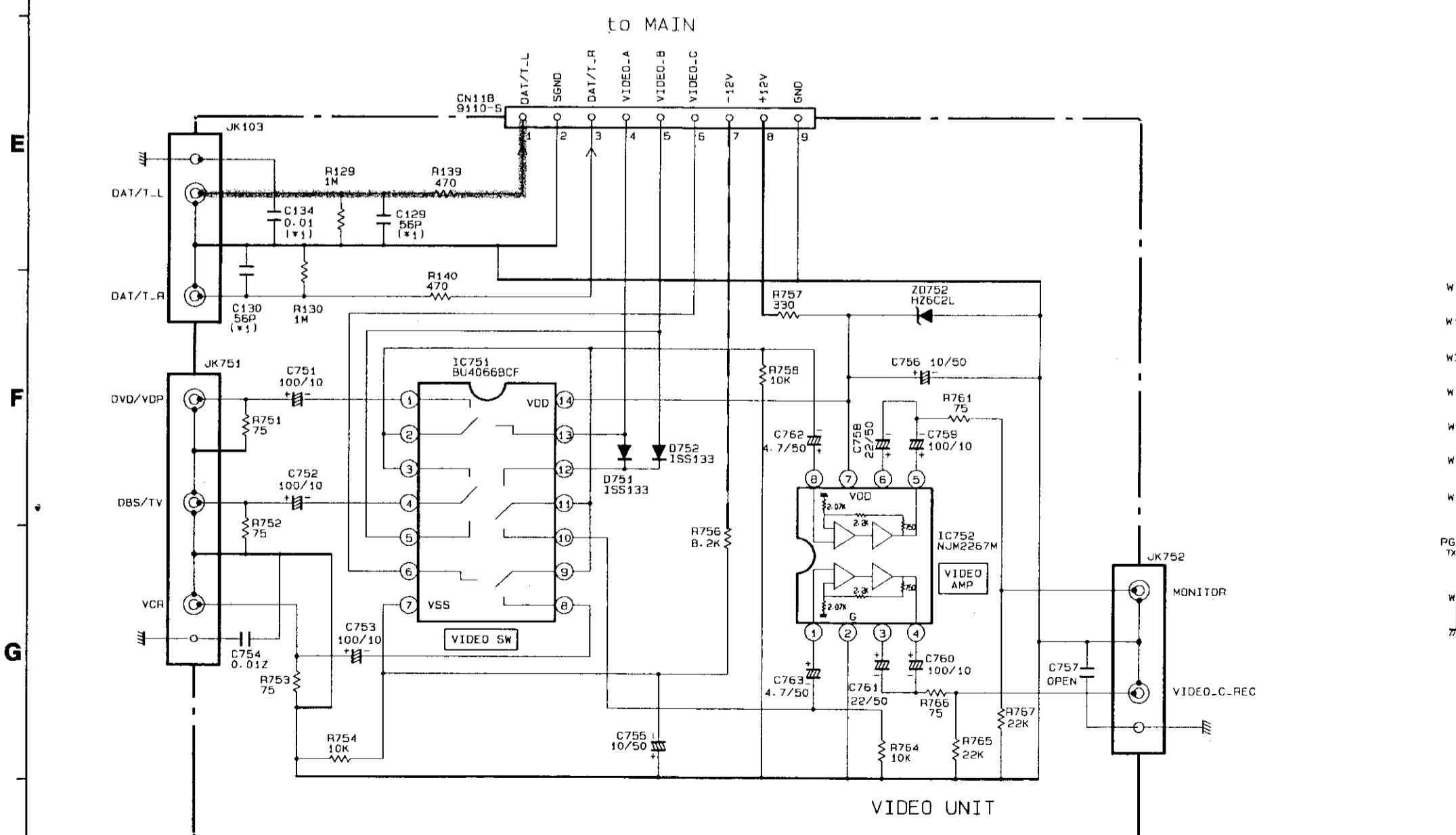
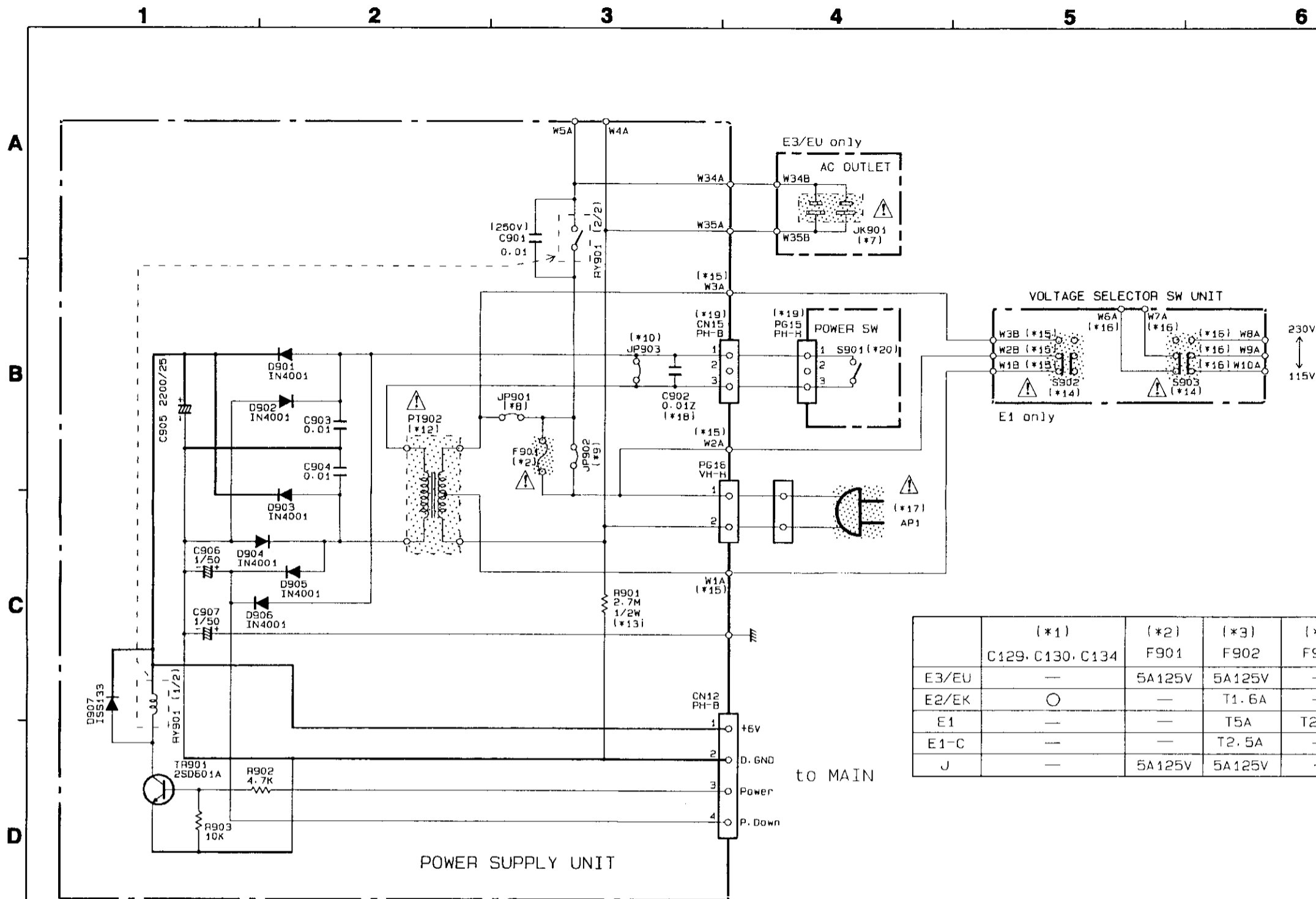
— +B LINE  
 - -B LINE  
 ~~~~~ SIGNAL LINE

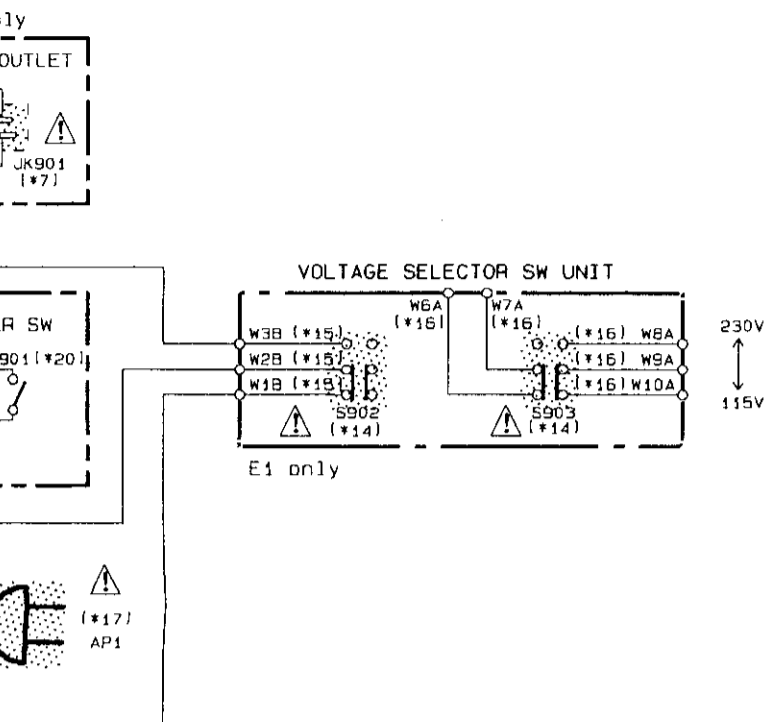
SCHEMATIC DIAGRAMS (5/6)
 FL/TONE UNIT

k=1,000 OHM M=1,000,000 OHM
 MICRO FARAD. P=MICRO-MICRO FARAD
 MEASURED AT NO SIGNAL INPUT

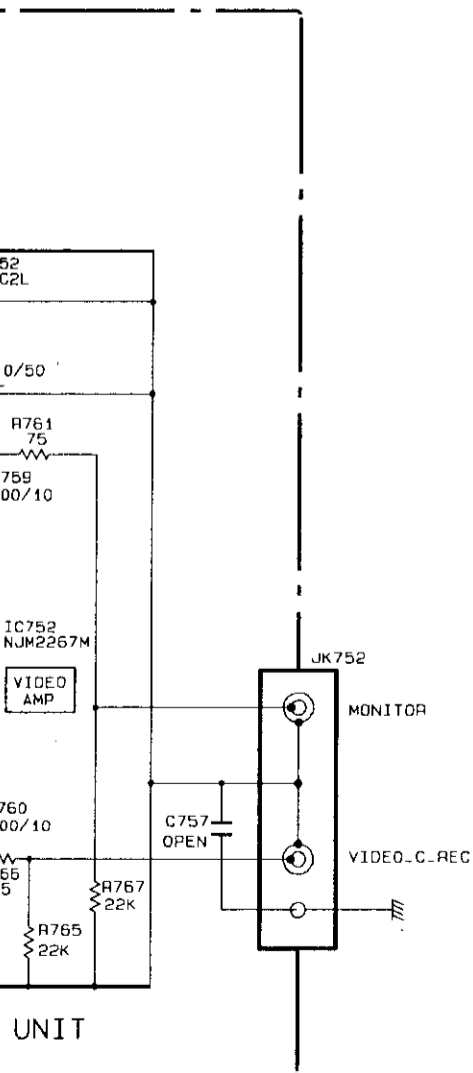
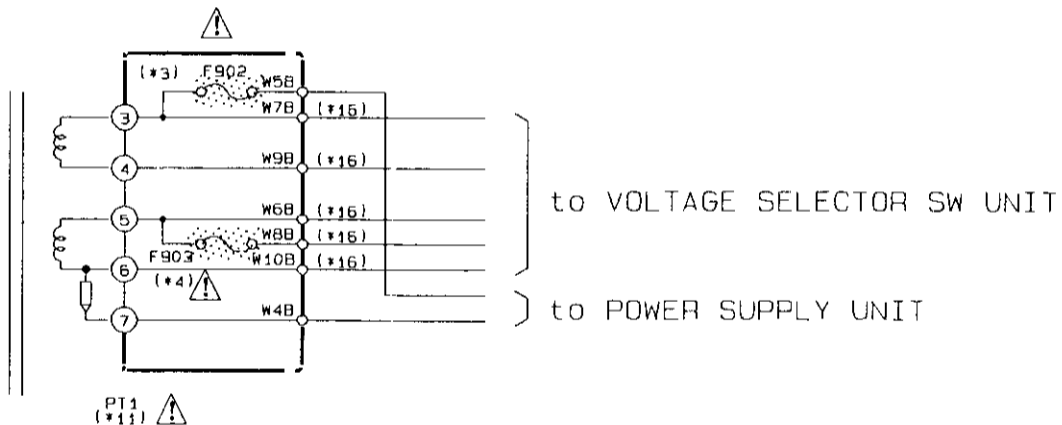
DO NOT CHANGE WITHOUT PRIOR

SCHEMATIC DIAGRAM (6/6)

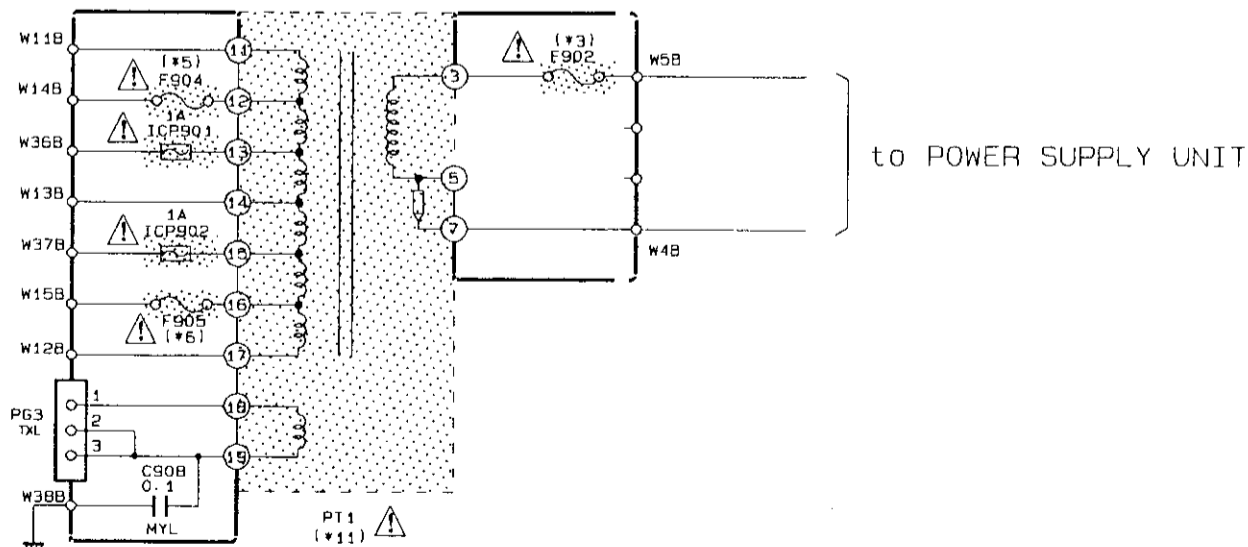




| | (*1) | (*2) | (*3) | (*4) | (*5) | (*6) | (*7) | (*8) | (*9) | (*10) | (*11) | (*12) | (*13) | (*14) | (*15) | (*16) | |
|-------|------------------|--------|--------|-------|----------|----------|-------|-------|-------|-------|---------|---------|-------|-----------|-------|--------|----|
| | C129, C130, C134 | F901 | F902 | F903 | F904 | F905 | JK901 | JP901 | JP902 | JP903 | PT1 | PT902 | R901 | S902, 903 | W1-W3 | W6-W10 | |
| E3/EU | — | 5A125V | 5A125V | — | 1.6A250V | 1.6A250V | ○ | ○ | — | ○ | BT01351 | BT00531 | ○ | — | — | — | EV |
| E2/EK | ○ | — | T1.6A | — | T1A | T1A | — | ○ | ○ | — | BT01352 | BT00532 | — | — | — | — | EV |
| E1 | — | — | T5A | T2.5A | T1A | T1A | — | — | ○ | — | BT01353 | BT00533 | — | ○ | ○ | ○ | EV |
| E1-C | — | — | T2.5A | — | T1A | T1A | — | ○ | ○ | — | BT01352 | BT00532 | — | — | — | — | EV |
| J | — | 5A125V | 5A125V | — | 1.6A250V | 1.6A250V | ○ | ○ | — | ○ | BT01354 | BT00534 | — | — | — | — | EV |



E3/EU, E2/EK, E1-C, J



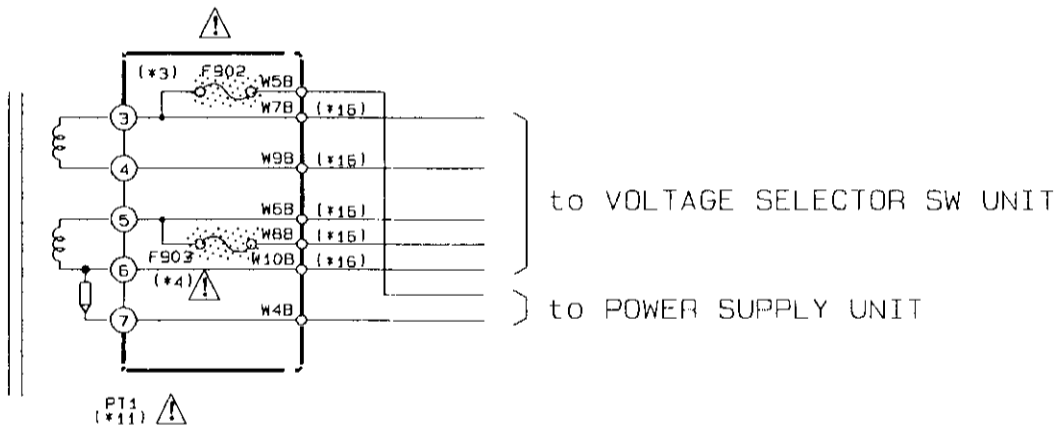
NOTICE
 ALL RESISTANCE VALUES IN OHM. k=1,000 OHM M=1,000,000 OHM
 ALL CAPACITANCE VALUES IN MICRO FARAD. P=MICRO-MICRO FARAD
 EACH VOLTAGE AND CURRENT ARE MEASURED AT NO SIGNAL INPUT
 CONDITION.
 CIRCUIT AND PARTS ARE SUBJECT TO CHANGE WITHOUT PRIOR
 NOTICE.

WARNING:
 Parts marked with this symbol have critical characteristics. Use ONLY replacement parts recommended by the manufacturer.

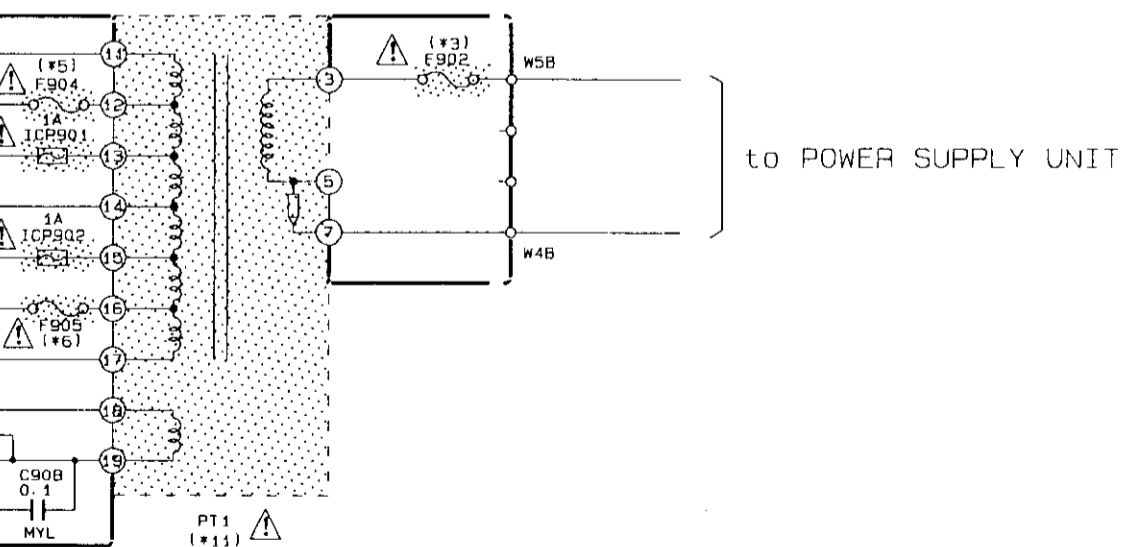
CAUTION:
 Before returning the unit to the customer, make sure you make either (1) a leakage current check or (2) a line to chassis resistance check. If the leakage current exceeds 0.5 milliamperes, or if the resistance from chassis to either line of the power cord is less than 460 kohms, the unit is defective.

WARNING:
 DO NOT return the unit to the customer until the problem is located and corrected.

| (*5) | (*6) | (*7) | (*8) | (*9) | (*10) | (*11) | (*12) | (*13) | (*14) | (*15) | (*16) | (*17) | (*18) | (*19) | (*20) |
|----------|----------|-------|-------|-------|-------|---------|---------|-------|----------|-------|--------|---------|-------|--------------|-------|
| F904 | F905 | JK901 | JP901 | JP902 | JP903 | PT1 | PT902 | R901 | S902-903 | W1-W3 | W6-W10 | AP1 | C902 | PG15 CN15 | S901 |
| 1.6A250V | 1.6A250V | ○ | ○ | — | ○ | BT01351 | BT00531 | ○ | — | — | — | EV00701 | — | — | — |
| T1A | T1A | — | ○ | ○ | — | BT01352 | BT00532 | — | — | — | — | EV00586 | ○ | ○ | ○ |
| T1A | T1A | — | — | ○ | — | BT01353 | BT00533 | — | ○ | ○ | ○ | EV00586 | ○ | ○ | ○ |
| T1A | T1A | — | ○ | ○ | — | BT01352 | BT00532 | — | — | — | — | EV00586 | ○ | ○ | ○ |
| 1.6A250V | 1.6A250V | ○ | ○ | — | ○ | BT01354 | BT00534 | — | — | — | — | EV00582 | — | — | — |



E3/EU, E2/EK, E1-C, J



————— +B LINE
 - - - - - -B LINE
 ~~~~~ SIGNAL LINE

RESISTANCE VALUES IN OHM. k=1,000 OHM M=1,000,000 OHM  
 CAPACITANCE VALUES IN MICRO FARAD. P=MICRO-MICRO FARAD  
 VOLTAGE AND CURRENT ARE MEASURED AT NO SIGNAL INPUT  
 UNIT AND PARTS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.

**WARNING:**  
 Parts marked with this symbol have critical characteristics. Use ONLY replacement parts recommended by the manufacturer.

**CAUTION:**  
 Before returning the unit to the customer, make sure you make either (1) a leakage current check or (2) a line to chassis resistance check. If the leakage current exceeds 0.5 millamps, or if the resistance from chassis to either side of the power cord is less than 460 kohms, the unit is defective.

**WARNING:**  
 DO NOT return the unit to the customer until the problem is located and corrected.