

Service Manual

Stereo Integrated Amplifier

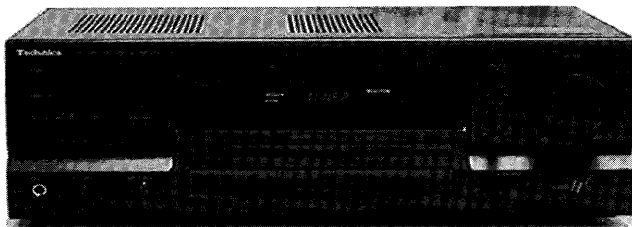


Amplifier

SU-G96

Colour

(K) Black Type



Area

Suffix for Model No.	Area	Colour
(PP)	U.S.A. and Canada	(K)

System No. : S275PC-K, S3700P-M, S375PC-K, S3750P-K, S4750P-K (Refer to page 3)

* Manufactured under license from Dolby Laboratories Licensing Corporation. Additionally licensed under one or more of the following patents: U.S. numbers 3,632,886, 3,746,792 and 3,959,590; Canadian numbers 1,004,603 and 1,037,877.

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Specifications

Amplifier Section

Rated minimum sine wave RMS power output	
40 Hz-20 kHz both channels driven	
0.9% total harmonic distortion	130W per channel (8Ω)
1 kHz continuous power output, both channels driven 0.9% total harmonic distortion	135W per channel (8Ω)
Total harmonic distortion	
Rated power at 40 Hz - 20kHz	0.9% (8Ω)
Half power at 1 kHz	0.05% (8Ω)
Power output at the Dolby Pro Logic operation	
0.9% at 1 kHz,	
Front	2X100 W (8Ω)
Center	100 W (8Ω)
Surround	100 W (8Ω)
Low frequency damping factor	30 (8Ω)
Load impedance	
Front	8Ω
Center	8Ω
Surround	4-8Ω
Dynamic headroom	2dB (8Ω)
SMPTE intermodulation distortion	0.9% (8Ω)
Frequency response	RIAA standard curve ± 0.8dB
PHONO	
TUNER, CD, TAPE MONITOR, VCR 1, TV/VCR 2, EQ/EXT	10Hz - 60kHz, ± 3dB
Input sensitivity	
PHONO	0.3mV (3mV, IHF '66)
TUNER, CD, TAPE MONITOR, VCR 1, TV/VCR 2, EQ/EXT	18mV (200mV, IHF '66)

S/N (IHF, A)

PHONO	70dB (80dB, IHF '66)
TUNER, CD, TAPE MONITOR, VCR 1, TV/VCR 2, EQ/EXT	75dB (85dB, IHF '66)
Input impedance	
PHONO	47kΩ
TUNER, CD, TAPE MONITOR, VCR 1, TV/VCR 2, EQ/EXT	22kΩ
Tone controls	
BASS	50Hz, +10 to -10dB
TREBLE	20kHz, +10 to -10dB
Super Bass	80Hz, +7dB

Video Section

Output voltage at 1 V input (unbalanced)	1±0.1 Vp-p
Maximum input voltage	1.3 Vp-p
Input/output impedance	75 Ω

General

Power consumption	270W, 350VA
Power supply	AC 120V, 60Hz
Dimensions (W x H x D)	430 x 153 x 360 mm
	(16 ¹⁵ / ₁₆ " x 6 ¹ / ₃₂ " x 14 ¹¹ / ₆₄ ")
Weight	9.4 kg (20.7 lb.)

Notes :

- Specifications are subject to change without notice. Weight and dimensions are approximate.
- Total harmonic distortion is measured by the digital spectrum analyzer.

Technics®

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⚠ WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product. Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

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■ Safety Precaution (This "Safety Precaution" is applied only in U.S.A.)

1. Before servicing, unplug the power cord to prevent an electric shock .
2. When replacing parts ,use only manufacturer's recommended components for safety .
3. Check the condition of the power cord .Replace if wear or damage is evident .
4. After servicing ,be sure to restore the lead dress, insulation barriers ,insulation papers ,shields ,etc .
5. Before returning the serviced equipment to the customer, be sure to make the following insulation resistance test to prevent the customer from being exposed to a shock hazard .

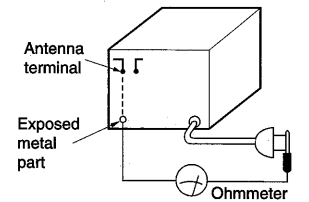


Fig. 1
Resistance = 3MΩ - 5.2MΩ

■ INSULATION RESISTANCE TEST

1. Unplug the power cord and short the two prongs of the plug with a jumper wire .
2. Turn on the power switch .
3. Measure the resistance value with ohmmeter between the jumper AC plug and each exposed metal cabinet part ,such as screwheads, antenna ,control shafts ,handle brackets , etc . Equipment with antenna terminals should read between 3MΩ and 5.2MΩ to all exposed parts* .(Fig. 1) Equipment without antenna terminals should read approximately infinity to all exposed parts . (Fig. 2)
*Note :Some exposed parts may be isolated from the chassis by design. These will read infinity .
4. If the measurement is outside the specified limits ,there is a possibility of a shock hazard .The equipment should be repaired and rechecked before it is returned to the customer .

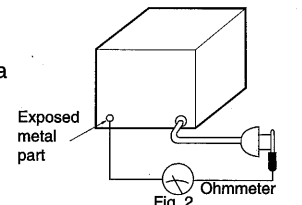


Fig. 2
Resistance = Approx ∞

■ Before Repair and Adjustment

Disconnect AC power, discharge 4 Power Supply Capacitors C703, C704, C705 and C706 through a 10Ω , 5W resistor to ground DO NOT SHORT-CIRCUIT DIRECTLY (with a screwdriver blade, for instance), as this may destroy solid state devices. After repairs are completed, restore power gradually using a variac, to avoid overcurrent.

Current consumption at AC 120 V, 60Hz in NO SIGNAL mode should be 400 ~ 1000 mA.

■ Protection Circuitry

The protection circuitry may have operated if either of the following conditions are noticed:

- No sound is heard when the power is turned on.
- Sound stops during a performance.

The function of this circuitry is to prevent circuitry damage if, for example, the positive and negative speaker connection wires are "shorted", or if speaker systems with an impedance less than the indicated rated impedance of the amplifier are used. If this occurs, follow the procedure outlines below:

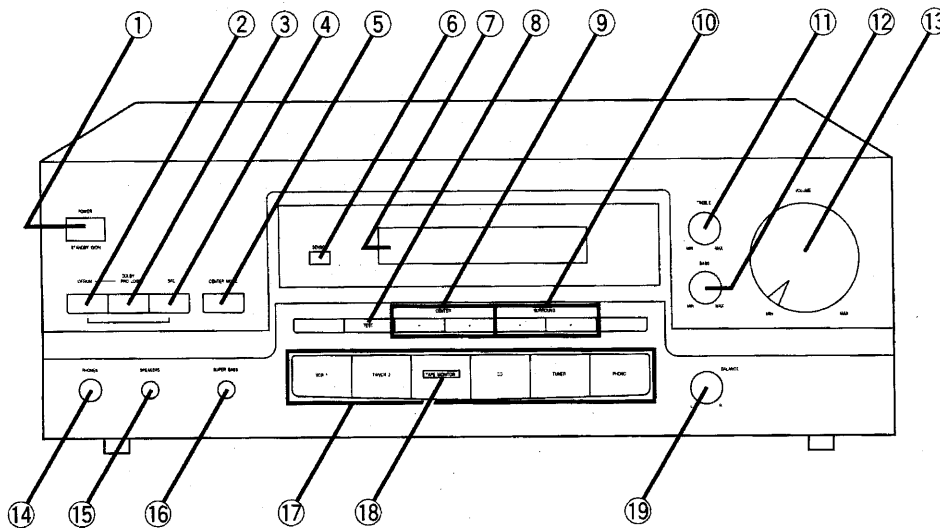
1. Turn off the power.
2. Determine the cause of the problem and correct it.
3. Turn on the power once again after one minute.

Note:

When the protection circuitry functions, the unit will not operate unless the power is first turned off and then on again.

Line up of Components

System Name	S275PC-K	S3700P-M	S375PC-K	S3750P-K	S4750P-K
Electronics Block (Made in MAV)	SD-S737PP-K	SD-S737PP-K	SD-S747PP-K	SD-S737PP-K	SD-S747PP-K
Amplifier (Made in MAV)	SU-G96PP-K	SU-G96PP-K	SU-G96PP-K	SU-G96PP-K	SU-G96PP-K
Tuner (Made in MAV)	ST-K55PP-K	ST-K55PP-K	ST-K55PP-K	ST-K55PP-K	ST-K55PP-K
Graphic Equalizer (Made in MAV)			SH-8017PP-K		SH-8017PP-K
Electronics Block (Made in MESA)	SD-S927PC-K	SD-S937P-K	SD-S937PC-K	SD-S937P-K	SD-S947P-K
Cassette Deck (Made in MESA)	RS-TR180PP-K	RS-TR180PP-K	RS-TR180PP-K	RS-TR180PP-K	RS-TR280PP-K
CD Changer (Made in MESA)	SL-MC59PP-K	SL-MC409PP-K	SL-MC409PP-K	SL-MC409PP-K	SL-MC409PP-K
Accessories Box (Made in MESA)	SH-WA27PC-K	SH-WA37P-K	SH-WA37PC-K	SH-WA37P-K	SH-WA47P-K
Front Speaker (Made in MEP)	SB-A27PP-K	SB-A37P-M	SB-A37PP-K	SB-A37PP-K	SB-A47P-K
Speaker Block (Made in MEP)		SB-AD370P-M		SB-AD370P-K	SB-A370P-K
Center Speaker (Made in MEP)		SB-C937P-M		SB-C937PP-K	SB-C937PP-K
Surround Speaker (Made in MEP)		SB-S937P-M		SB-S937PP-K	SB-S937PP-K
Rack (Made in MEP)	SH-KS27PC-K	SH-KS37P-M	SH-KS37PC-K	SH-KS37P-K	SH-KS47P-K



Front Panel Controls

No.	Name
①	Power "STANDBY /ON" switch (POWER, STANDBY /ON) Press to switch the unit from on to standby mode or vice versa. In standby mode, the unit is still consuming a small amount of power.
②	DOLBY PRO LOGIC, SFC OFF/ON button (OFF/ON)
③	DOLBY PRO LOGIC select button (DOLBY PRO LOGIC)
④	Sound field control select button (SFC)
⑤	Center mode select button (CENTER MODE)
⑥	Remote control signal sensor (SENSOR)
⑦	Display
⑧	Test signal ON/OFF button (TEST)
⑨	Center level adjust buttons (CENTER)

No.	Name
⑩	Surround level adjust buttons (SURROUND)
⑪	Treble control (TREBLE)
⑫	Bass control (BASS)
⑬	Volume control (VOLUME)
⑭	Headphone jack (PHONES)
⑮	Speaker ON/OFF button (SPEAKERS)
⑯	Super bass ON/OFF button (SUPER BASS)
⑰	Input select buttons
⑱	Tape monitor button (TAPE MONITOR)
⑲	Balance control (BALANCE)

■ Operation Checks and Main Component Replacement Procedures

"ATTENTION SERVICER" Some chassis components may have sharp edges. Be careful when disassembling and servicing.

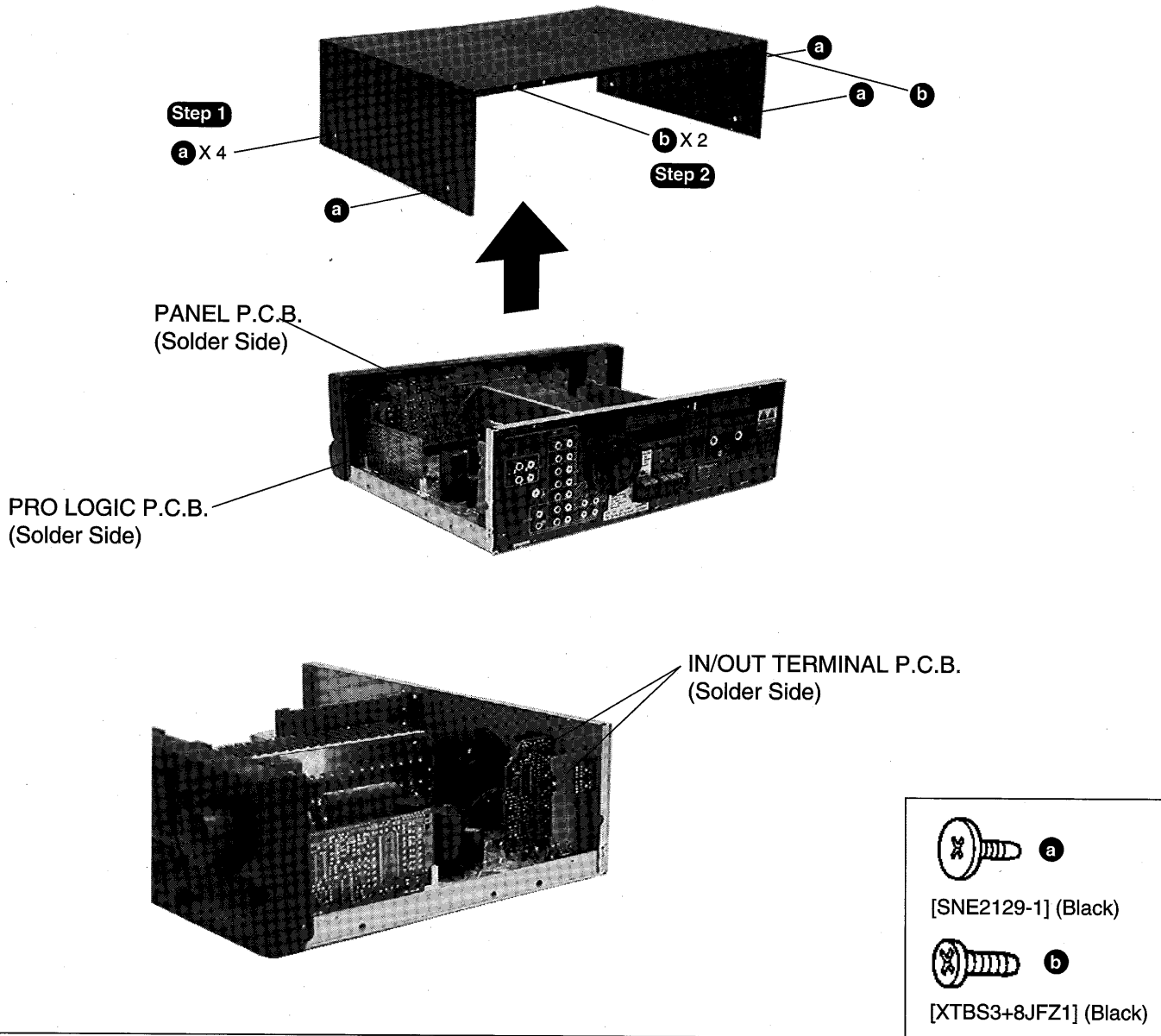
1. This section describes procedures for checking the operation of the major printed circuit boards and replacing the main components.
2. For reassembly after operation checks or replacement, reverse the respective procedures. Special reassembly procedures are described only when required.
3. Select items from the following index when checks or replacement are required.

• **Contents**

• Checking Procedure For Each Major P.C.B.	page 4 ~ 6
• Main Component Replacement Procedures	6 ~ 8

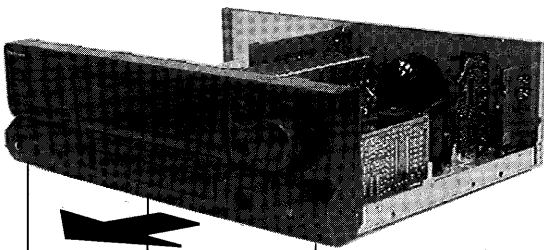
■ Checking Procedure For Each Major P.C.B.

1. Checking of the Panel P.C.B., Pro Logic P.C.B. and Tuner P.C.B.



To Remove Front Panel, Panel P.C.B., Power Switch P.C.B. and Headphone Jack P.C.B.

Step 1
Remove the top cabinet.



b X 3

Step 2

b

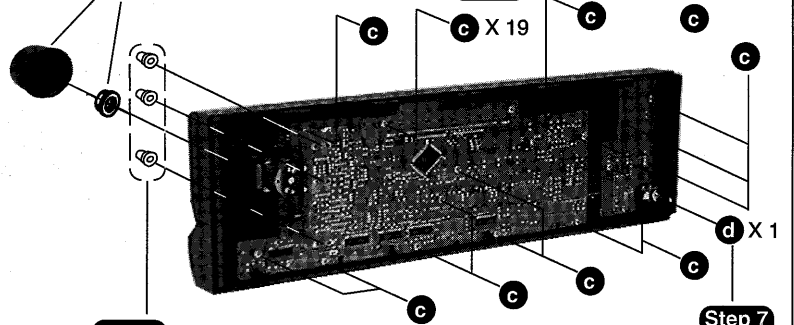
Step 3
Remove the front panel in the direction of arrow.

b

Power Switch P.C.B.

Step 4
Remove the Volume Knob and Nut.

Step 6

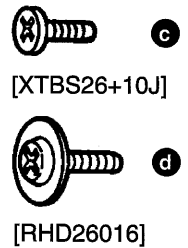


Step 5
Pull out 3 knobs.

Panel P.C.B.

Headphone Jack P.C.B.

Step 8
Pull out the Headphone Jack P.C.B.



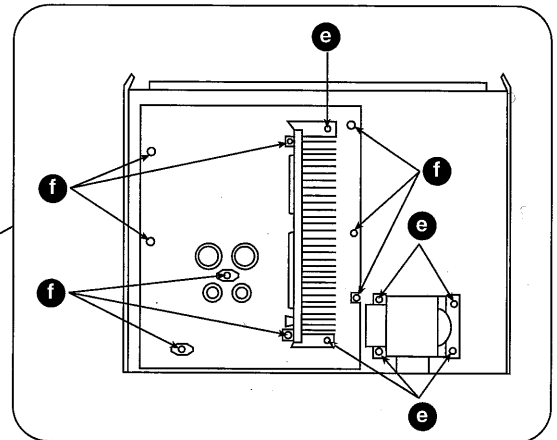
3. Checking of the MAIN P.C.B.

Step 1
Remove the top cabinet.

Step 2
Remove the front panel.

Step 4

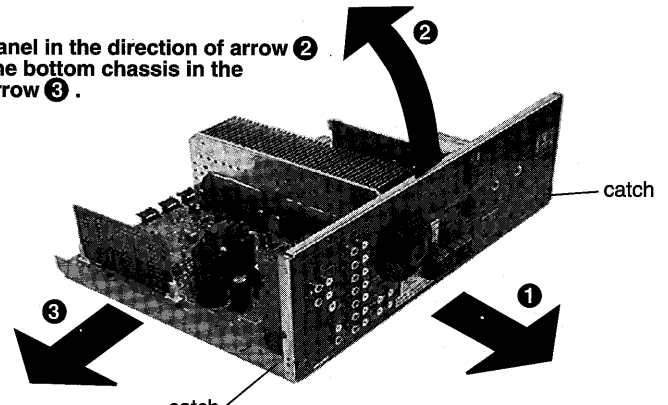
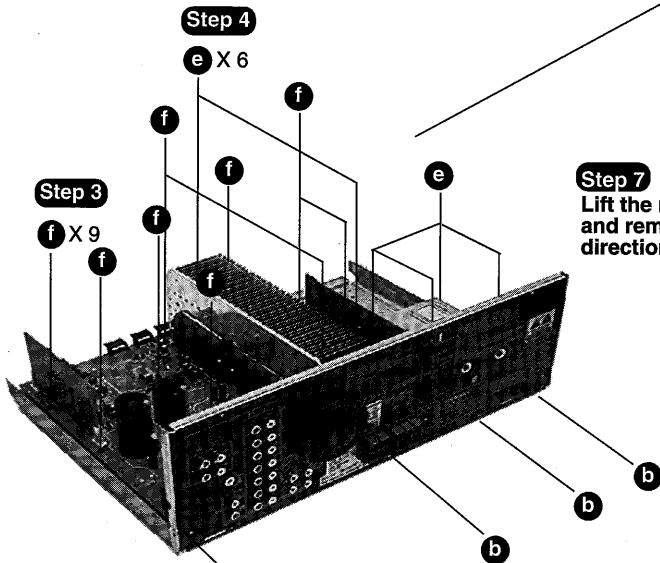
e X 6



Step 3

f X 9

Step 7
Lift the rear panel in the direction of arrow ② and remove the bottom chassis in the direction of arrow ③.



Step 5 **b X 4**

Step 6
Release 2 catches and pull the rear panel in the direction of arrow ① for about 10mm. (Note : All P.C.B. and transformer are attach to the rear panel)

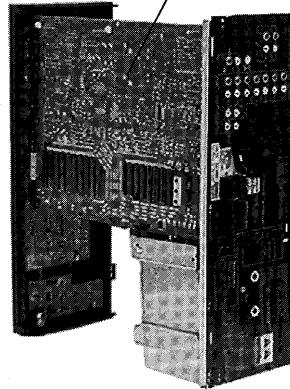
Step 8

Connect the front panel to the main P.C.B. as shown.



• Check the Main P.C.B. as shown •

MAIN P.C.B. (Solder Side)



e

[XTB3+8FFZ] (Black)



f

[XTB3+20JFZ] (Black)

■ Main Component Replacement Procedures

1. Replacement of the Power IC and Regulator Transistor

Step 1

Remove the top cabinet.

Step 2 Cut the joints as shown below. (6 joints)

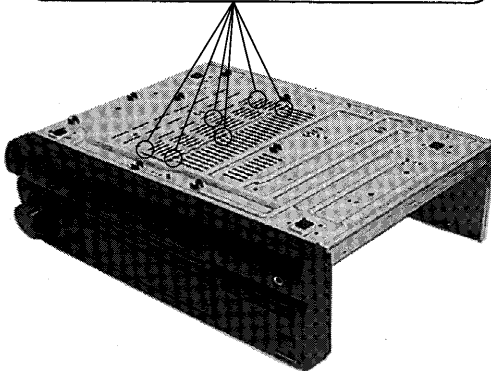
Locate the nipper to the thin portion of the joint.

Nipper

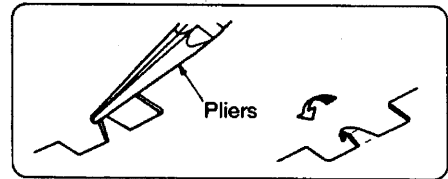


Bottom cover

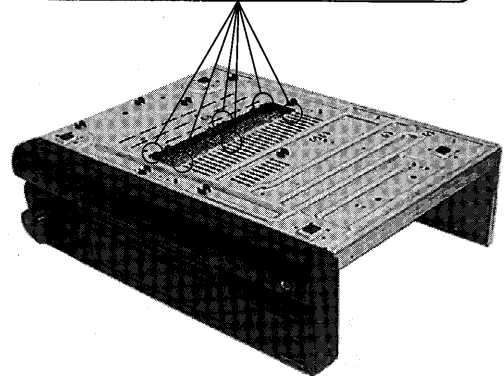
Cut the joint.



Step 3 Fold the joints. (6 joints)

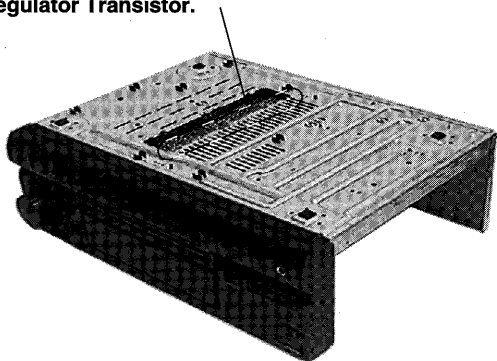


Pliers



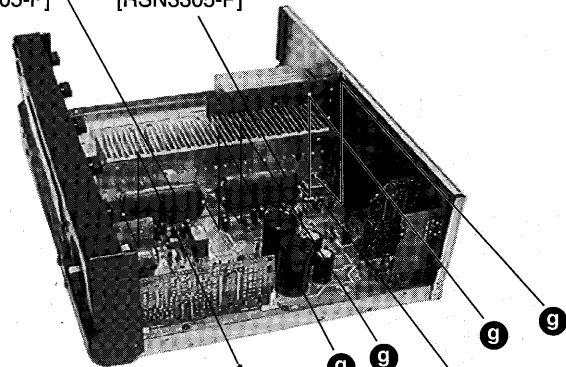
Step 4

Desolder the terminals of Power IC and Regulator Transistor.



Power IC (IC602)
[RSN3305-P]

Power IC (IC601)
[RSN3305-P]



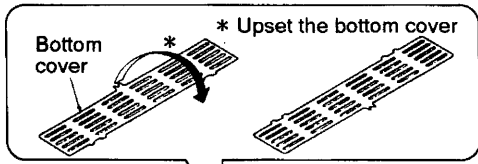
Step 5 g X 5

Regulator transistor
(Q701, Q708)

[2SD2374PQAU, 2SB1548PQAU]

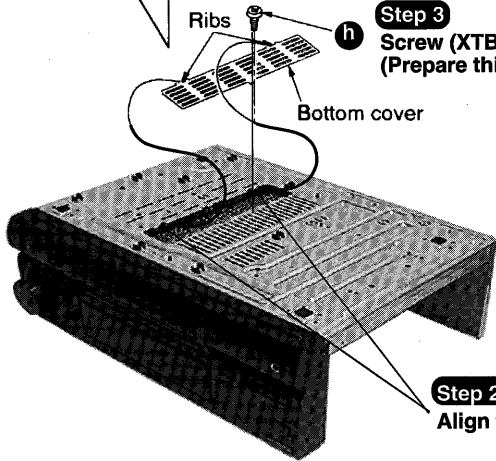
Installation of the bottom cover after replacement

Step 1



Step 3

Screw (XTB3+8J)
(Prepare this screw to fix the bottom cover.)



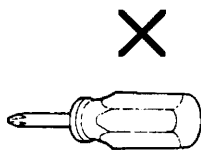
[XTW3+15T]



[XTB3+8J] (Black)

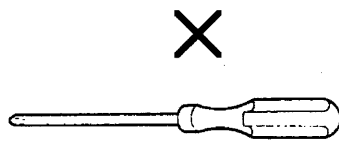
CAUTION

1. After replacing the power IC or regulator transistor, apply a sufficient quantity of compound grease (RFKX0002/SZZOL15) between the heat sink and the power IC or regulator transistor (Radiation of power IC).
 2. Tighten enough the screws (g) after replacing the power IC and regulator transistor. Otherwise, the heat radiation works little.
 3. When installing or removing the power IC or transistor holder, be sure to use an offset screwdriver.
- A long straight screwdriver cannot be used for removing or mounting the screws since its long grip interferes with the neighbouring P.C.B. (See Fig.1)
 - A short straight screwdriver may be used for removal, but cannot be used for mounting because the limited space in the unit will not allow sufficient tightening torque.(See Fig.2)



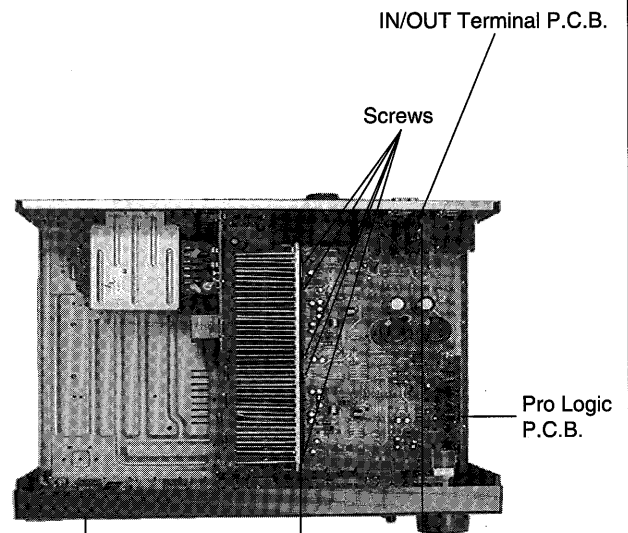
A short straight screwdriver

Fig.2



A long straight screwdriver

Fig.1



Front Panel

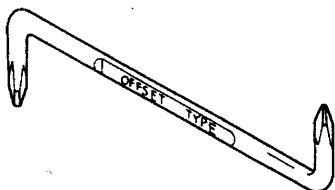
About 11cm
(A long straight screwdriver cannot be used)

Fig.1

- Insufficient tightening will cause poor heat dissipation from the power IC and regulator transistor and, in the worst case, may lead to their thermal breakdown.

—OFFSET SCREWDRIVER—

•The PROTO offset screwdriver No.34-1/4 is recommended for use in the application above.



No.		
34 1/4	1 & 2	4 3/4"

•The address of PROTO International Sales is as follows.



International Sales

International Sales Office
Stanley-Proto Industrial Tools
14117 Industrial Park Blvd.
Covington, GA 30209 U.S.A.
Fax: 706-786-4387
Phone: 706-787-3800

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Stanley-Proto Industrial Tools
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Nunawading 3131
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Phone: 61-3-878-9244

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Kong, Malaysia, China.
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Tokyo 160 Japan
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Phone: 81-3-3360-8458

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Apartado Postal 675
72030 Puebla, Pue, Mexico
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Phone: 52-22-495-300

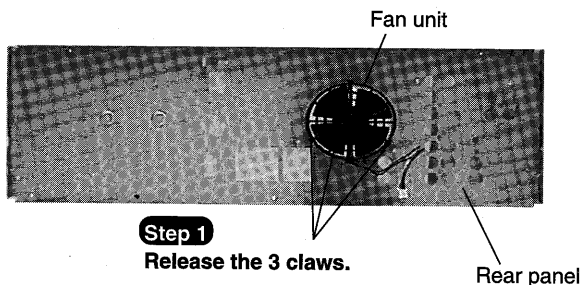
South & Central America,
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2101 N.W. 84th Ave.
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Stanley-Proto Europe
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539PD
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1100 Corporate Drive
Burlington, Ontario
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Phone: 416-335-0075

Middel East, Mediterranean
& Africa
Stanley-MEMA
Cory House The Ring
Bracknell Berkshire
RG 12 1A2
England
Fax: 44-344-485-526
Phone: 44-344-51813

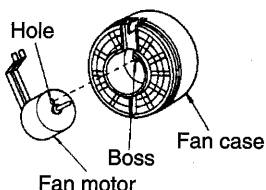
2. Replacement of the fan motor



Step 1
Release the 3 claws.

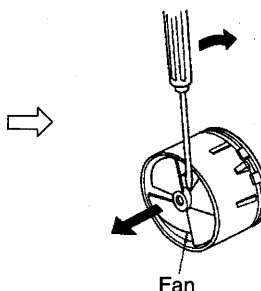
NOTE

When replacing the fan motor, align the boss of the fan case with the hole of the fan motor.



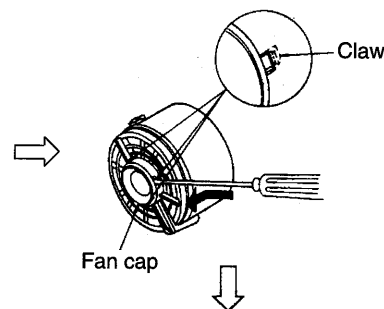
Step 2

Put a screwdriver at the root of the fan and remove it.



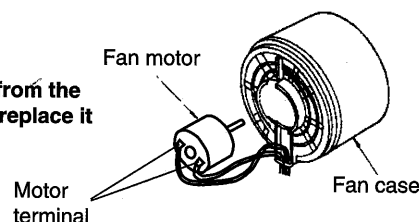
Step 3

Remove the fan cap.



Step 4

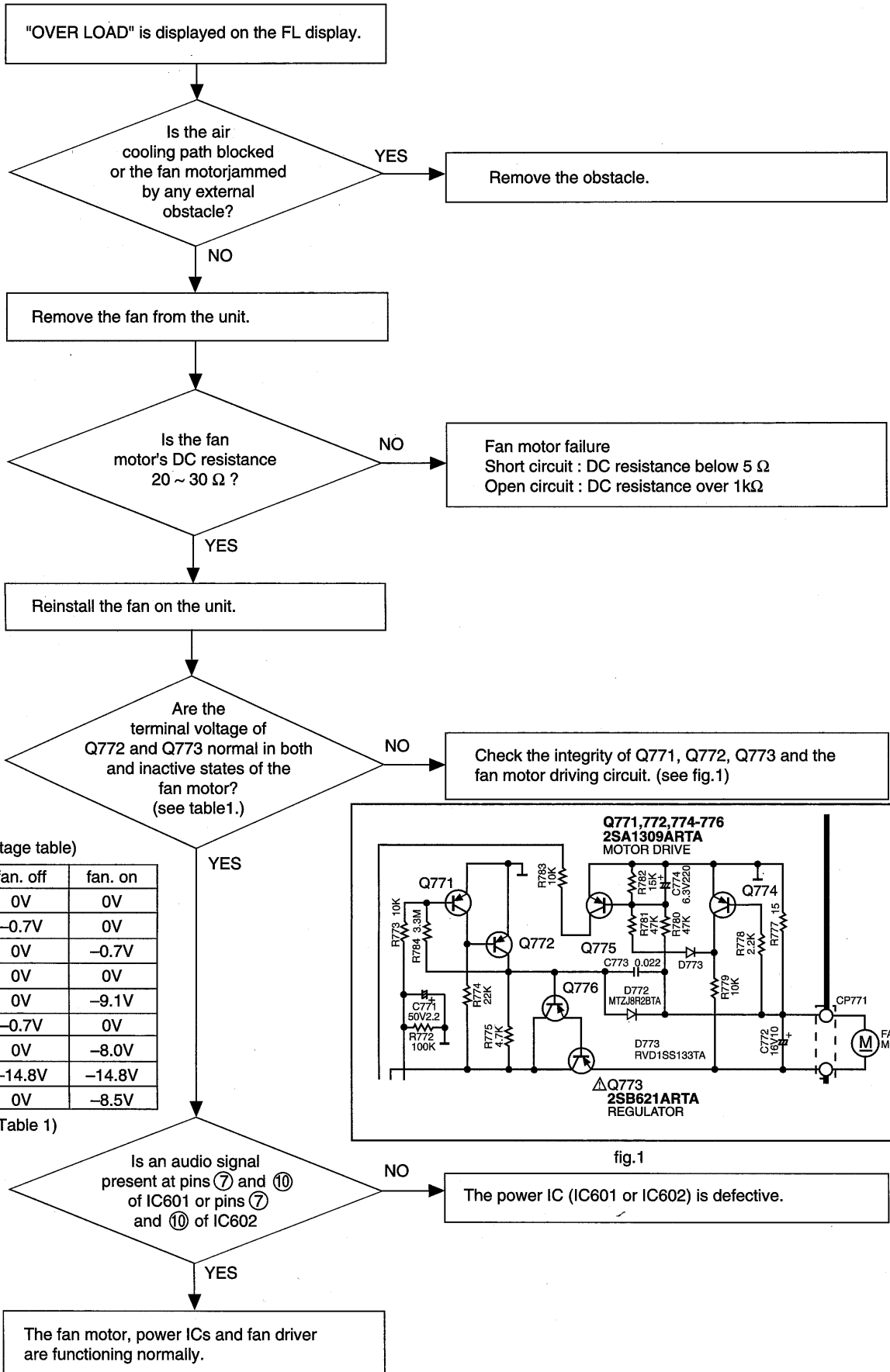
Desolder the wires from the motor terminal and replace it with a new one.



Fan Motor Troubleshooting

The Model SA-EX500 employ fan motor error sensing electronics.

If the cooling fan is not operating and "OVER LOAD" is displayed on the FL display, check the fan motor and its driving circuit.



(Voltage table)

		fan. off	fan. on
Q771	E	0V	0V
	C	-0.7V	0V
	B	0V	-0.7V
Q772	E	0V	0V
	C	0V	-9.1V
	B	-0.7V	0V
Q773	E	0V	-8.0V
	C	-14.8V	-14.8V
	B	0V	-8.5V

(Table 1)

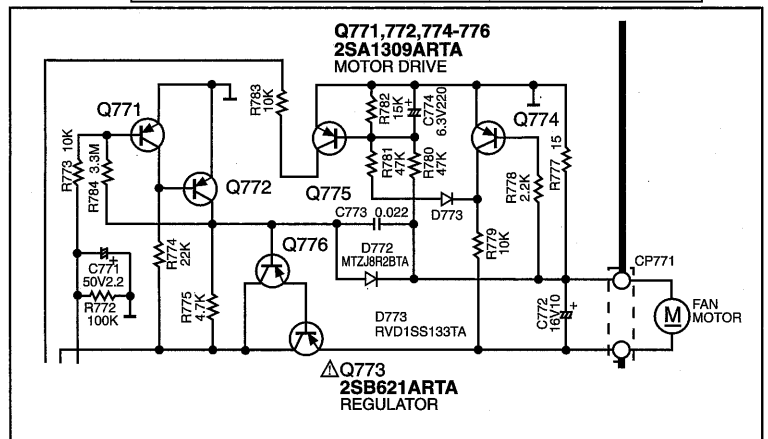


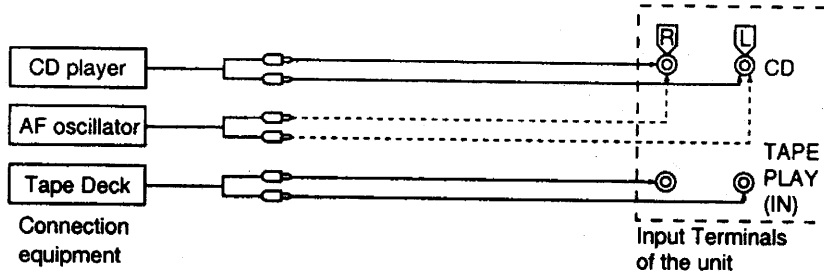
fig. 1

Troubleshooting

This unit has test points on each circuit board block for use in troubleshooting.

CONNECTION

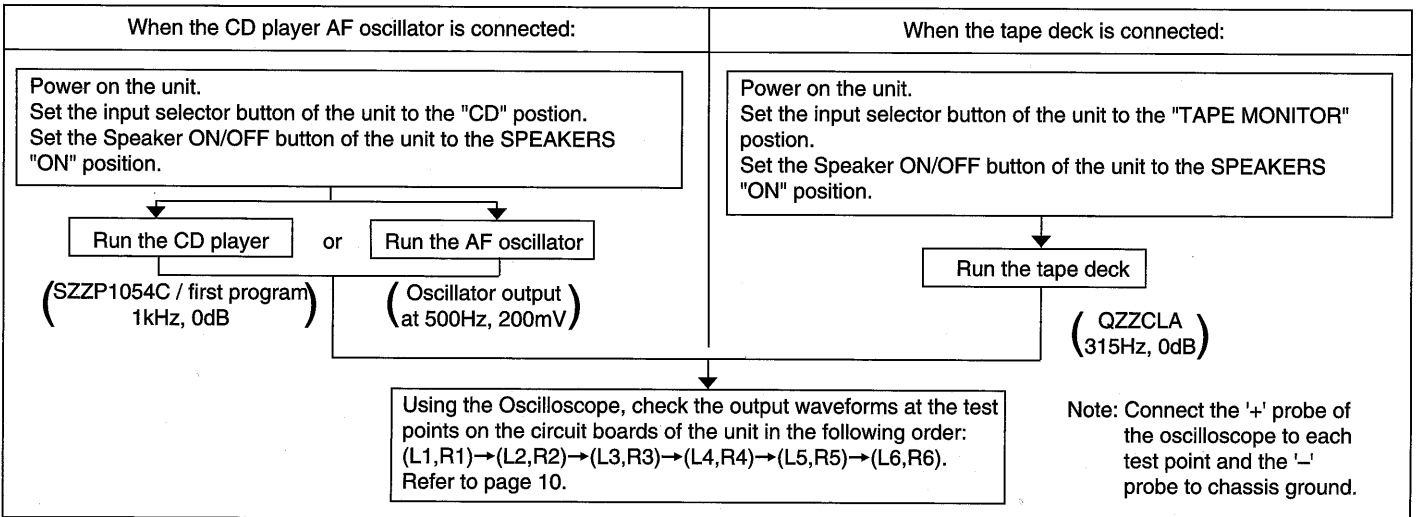
Connect either a CD player, tape deck or AF oscillator to the input terminals of the unit.



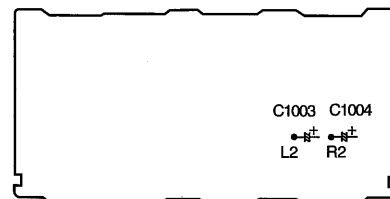
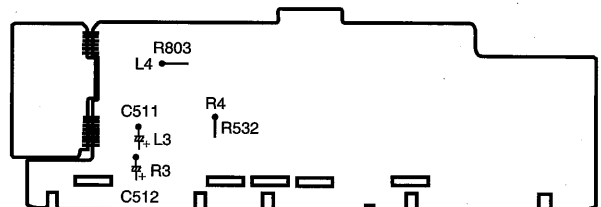
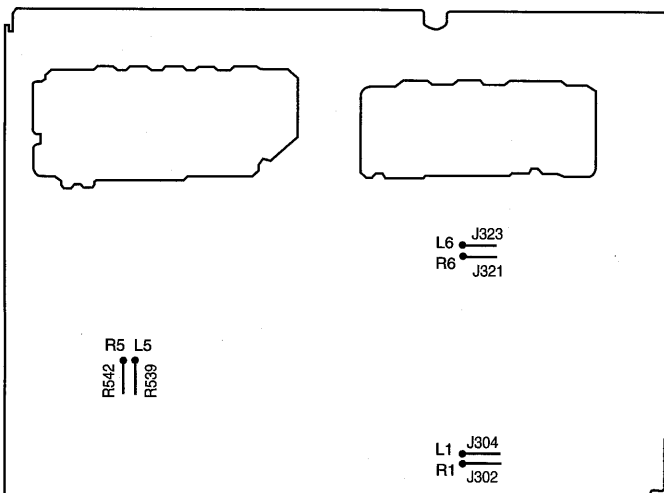
REQUIRED ITEMS

1. Testing with a CD player ——— Test disc (SZZP1054C / first program, 1kHz, 0dB)
2. Testing with a tape deck ——— Test tape (QZZCLA / 315Hz, 0dB)
3. Testing with a AF oscillator ——— Set the output at 500Hz, 200mV
4. Oscilloscope (min. 10MHz) ----- To measure the output waveform at the test points.

TEST PROCEDURE FOR AMPLIFIER CIRCUIT





TEST POINTS POSITIONS OF AMPLIFIER CIRCUIT



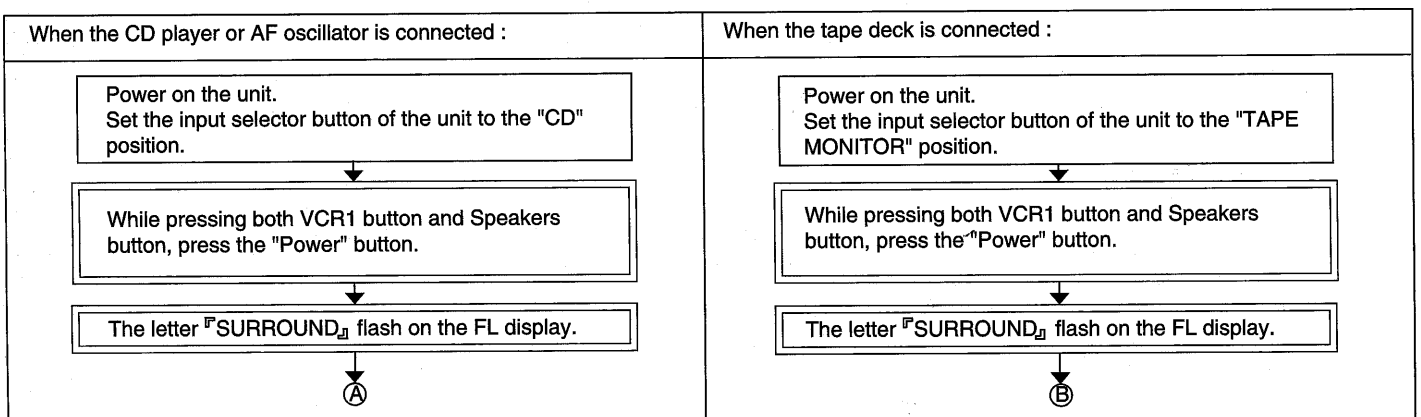
NORMAL WAVEFORMS OF AMPLIFIER CIRCUIT AND LIKELY FAULTY BLOCKS

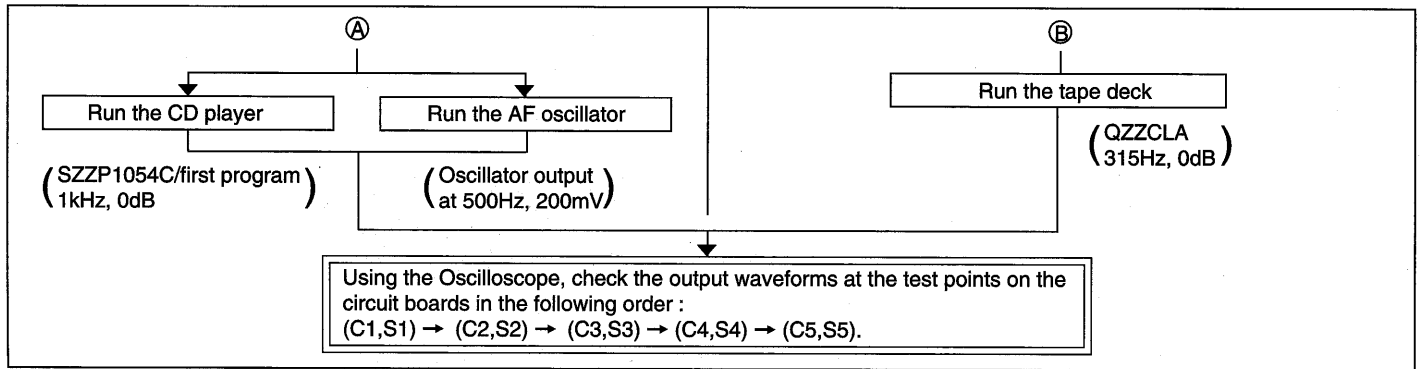
TP	CD player	Tape deck	AF oscillator	Likely faulty block if the normal waveform shown at the left is not present.
L1/R1	 0.5msec 2V	 1msec 500mV	 1msec 500mV	Input selector block IC401 & area
L2/R2	 0.5msec 2V	 1msec 500mV	 1msec 500mV	Dolby pro logic block IC1001 and IC1002 & area
L3/R3	 0.5msec 500mV	 1msec 50mV	 1msec 100mV	Master volume block VR501 & area
L4/R4	 0.5msec 500mV	 1msec 1V	 1msec 1V	Tone control block IC511 & area
L5/R5	 0.5msec 100mV*	 1msec 500mV	 1msec 500mV	Power limiter block Q581 to Q584 & area
L6/R6	 0.5msec 5V*	 1msec 10V	 1msec 10V	Main amplifier block IC601 & area

Measurement conditions. Volume control (VR501), Treble control (VR512) and Bass control (VR511) positions : 
 *Volume control position (VR501) for these test : 

CHECKING PROCEDURE FOR SURROUND CIRCUIT

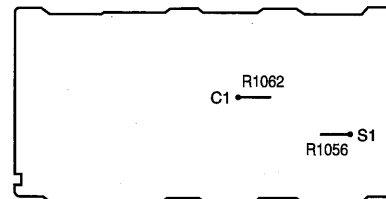
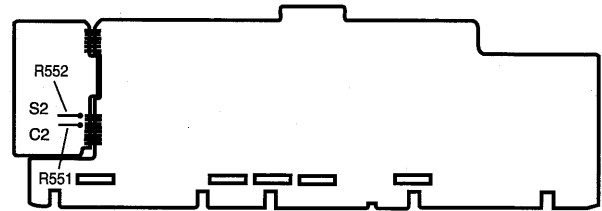
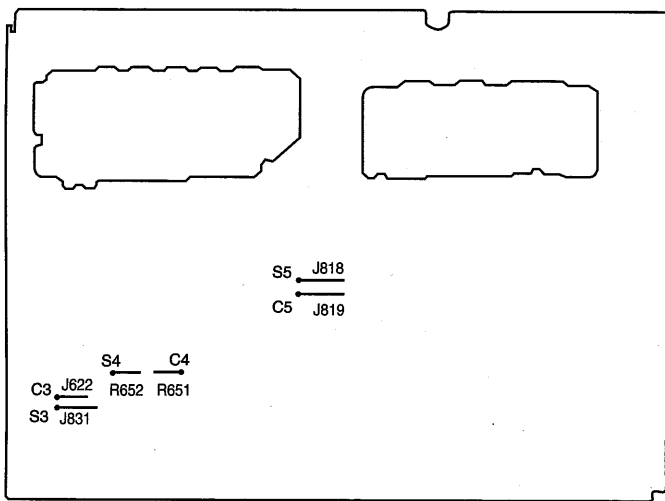
Outputting surround signal normally requires that opposite phase signals be applied to both the left and right channels. However, this unit incorporates a service mode, allowing the surround circuit to be tested using in-phase signals.





• To exit the service mode, power off the unit.

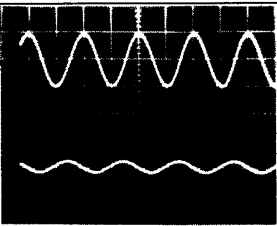
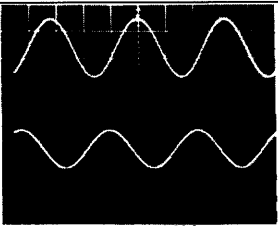
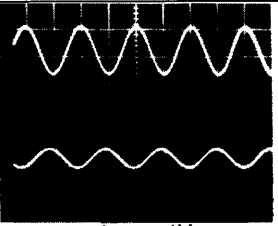
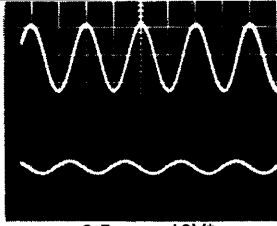
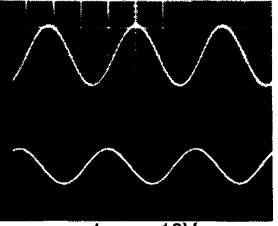
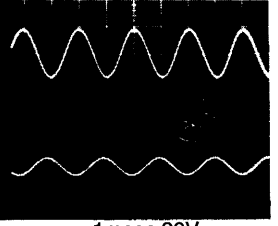
TEST POINTS POSITIONS OF SOURROUND CIRCUIT






NORMAL WAVEFORMS OF AMPLIFIER CIRCUIT AND LIKELY FAULTY BLOCKS

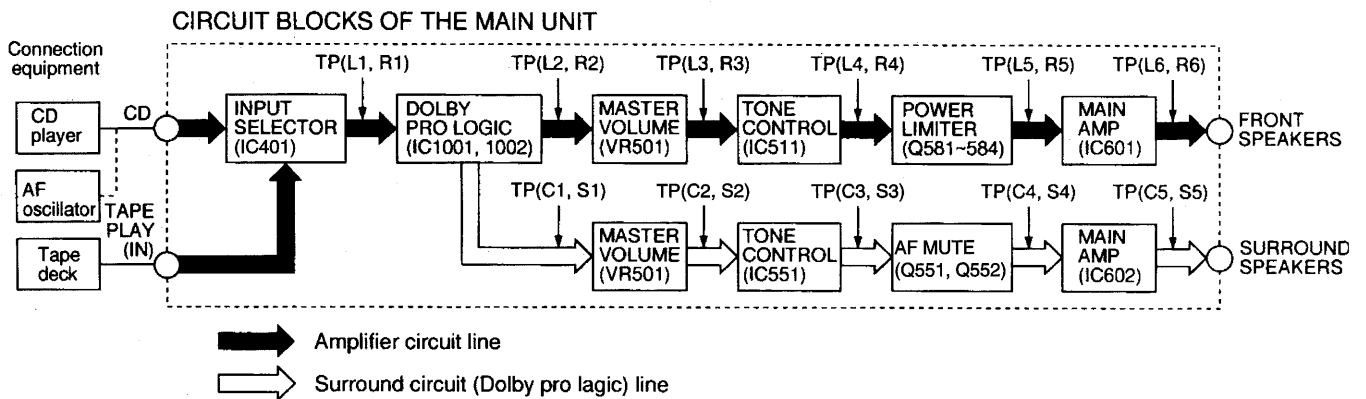
TP	CD player	Tape deck	AF oscillator	Likely faulty block if the normal waveform shown at the left is not present.
C1 S1	 0.5msec 1V	 1msec 100mV	 1msec 200mV	Dolby pro logic block IC1001 and IC1002 & area
C2 S2	 0.5msec 200mV	 1msec 20mV	 1msec 50mV	Master volume block VR501 & area
C3 S3	 0.5msec 5V	 1msec 500mV	 1msec 1V	Tone control block IC551 & area

NORMAL WAVEFORMS OF AMPLIFIER CIRCUIT AND LIKELY FAULTY BLOCKS

TP	CD player	Tape deck	AF oscillator	Likely faulty block if the normal waveform shown at the left is not present.
C4 S4	 0.5msec 5V	 1msec 10V	 1msec 1V	AF mute block Q551, Q552 & area
C5 S5	 0.5msec 10V*	 1msec 10V	 1msec 20V	Main amplifier block IC602 & area

Measurement conditions. Volume control (VR501), Tremble control (VR512) and Bass control (VR511) positions:  
*Volume control position (VR501) for these test 

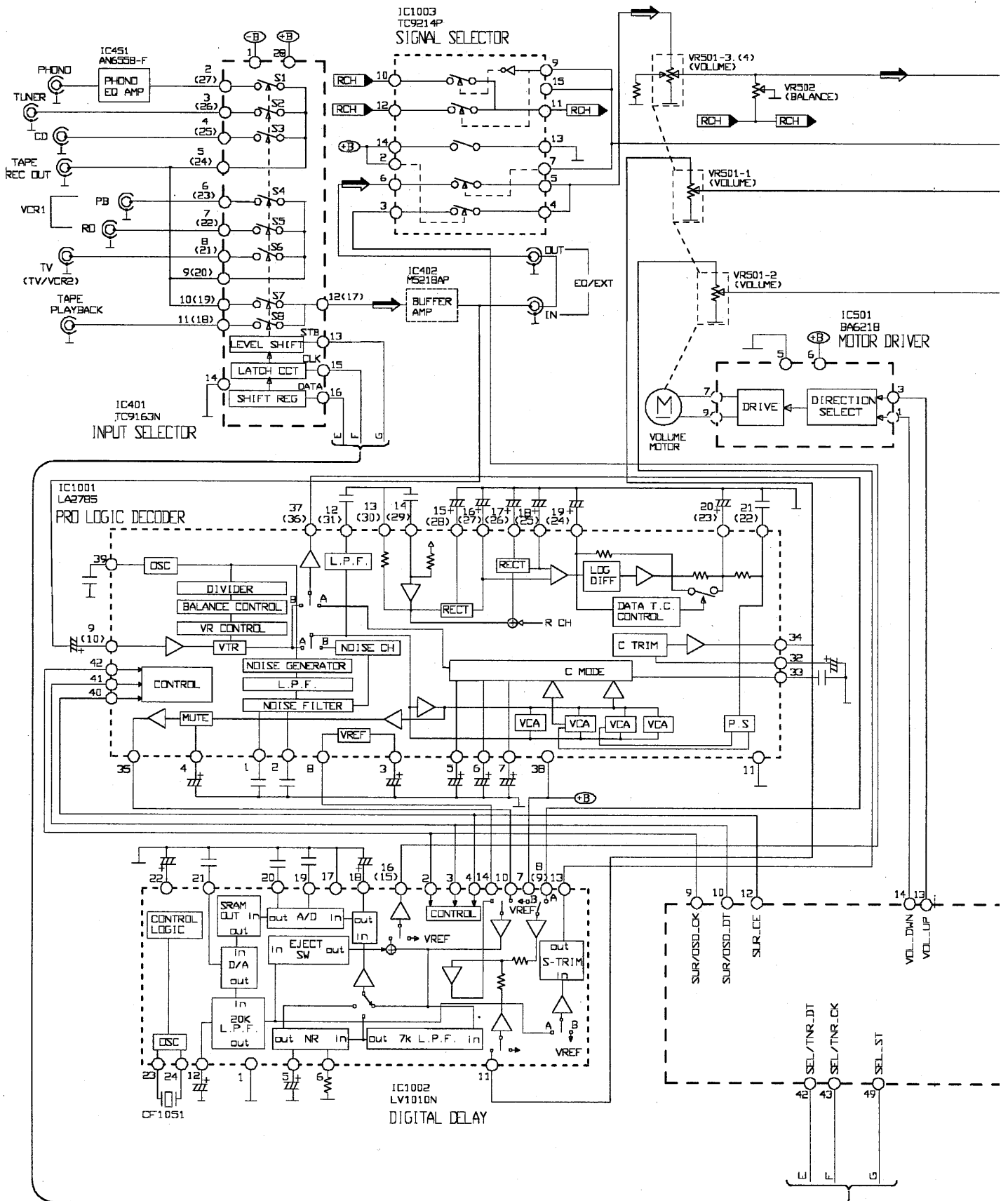
CIRCUIT BLOCKS

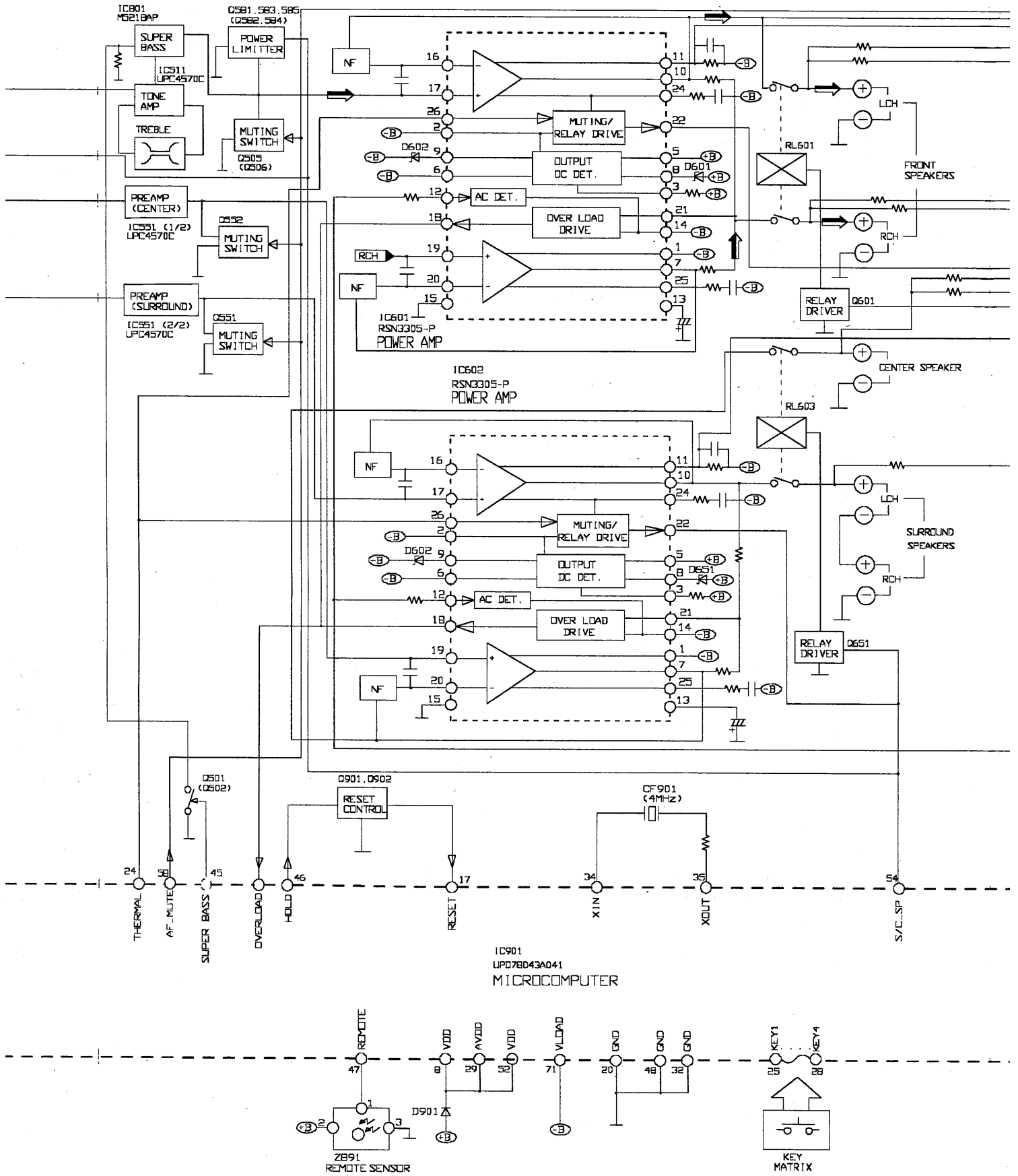


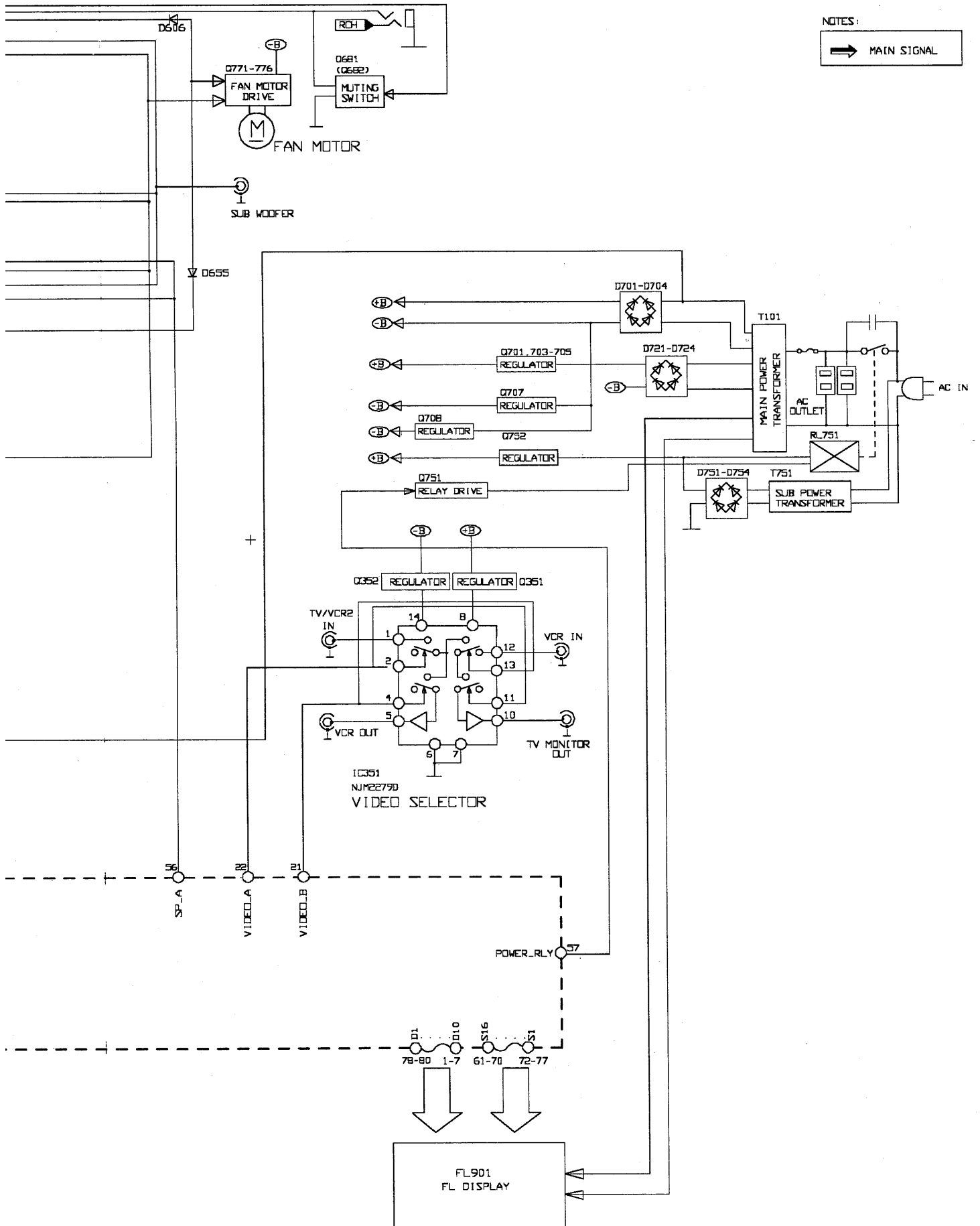
OVERLOAD DETECTION FUNCTION

The HIC protection circuit functions if any cord at a speaker terminal is short-circuited or if the unit overheats because of improper operation. At the same time, "OVERLOAD" scrolls across the FL display.
 In this state, all keys remain in operative; if any key is pressed, "SWITCH OFF POWER" scrolls across the FL display.
 If an overload occurs, immediately power off the unit and check the speaker connection, venting holes and cooling fans. After fixing any faults, power on the unit again and check for proper operation.
 If no defects are found, or if the unit remains overload after it is power on again, check the circuit for faults.

Block Diagram







Terminal Functions Of ICs

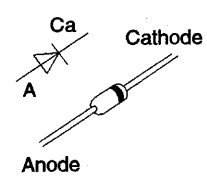
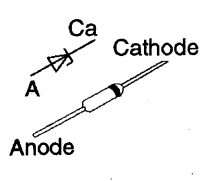
• IC901 (UPD78043A041) System Microprocessor

Pin No.	Mark	I/O	Function
1~7	D4~D10	O	Digit signal of FL display
8	VDD	I	Power supply terminal
9	SUR/OSD_CK	O	Serial clock signal
10	SUR/OSD_DT	O	Serial data signal
11	VIDEO_DET	-	Not used
12	SUR_CE	O	Chip enable signal
13	VOL_UP	O	Rotate control terminal of
14	VOL_DWN	O	volume motor
15	LOUDNESS	-	Not used
16	FM_STEREO	I	Stereo signal detect terminal
17	RESET	I	Reset detect terminal
18	SD	I	Received signal detect terminal
19	OSD_ST	-	Not used
20	GND	-	GND terminal
21	VIDEO_B	O	Video selector control terminal
22	VIDEO_A	O	
23	IF_DATA	I	Serial data signal
24	THERMAL	O	Mute control terminal
25~28	KEY1~KEY4	I	Key matrix detect terminal
29	AVDD	I	Power supply terminal
30	AVREF	I	Power supply terminal
31	OVERLOAD	I	Over load detect terminal
32	XT2	-	Not used
33	GND	-	GND terminal
34	XIN	I	Crystal oscillator terminal
35	XOUT	O	(4MHz)

Pin No.	Mark	I/O	Function
36~40	SFC1~SFC5	-	Not used
41	TNR_CE	O	Chip enable signal
42	SEL/TNR_DT	O	Serial data signal
43	SEL/TNR_CK	O	Serial clock signal
44	TV/VCR2	-	Not used
45	ADAPTOR	-	Not used
46	HOLD	I	Hold signal input terminal
47	REMOTE	I	Remote control terminal
48	GND	-	GND terminal
49	SEL_ST	O	Level shift control terminal
50	HELP_LED	O	LED drive signal(HELP)
51	STANDBY_LED	-	Not used
52	VDD	I	Power supply terminal
53	REC_MUTE	-	Not used
54	S/C_SP	O	Surround and speaker select control terminal
55	SP_B	-	Not used
56	SP_A	O	Speaker select control terminal
57	POWER_RLY	O	Relay control terminal
58	AF_MUTE	O	Muting control terminal
59	LIMITTER	-	Not used
60	INIT_IN	-	Not used, connect to resistor
61~70	S16~S7	O	Segment signal of FL display
71	VLOAD	I	Power supply terminal
72~77	S6~S1	O	Segment signal of FL display
78~80	D1~D3	O	Digit signal of FL display

Terminal Guide of ICs, Transistors and Diodes

<p>TC9214P</p>	<p>NJM2279D</p>	<p>TC9163N 28Pin</p>	<p>M5218AP</p>	<p>AN6558-F UPC4570C</p>	<p>BA6218</p>
<p>RSN3305-P</p>	<p>UPD78043A041 80 Pin</p>	<p>LA2785</p>	<p>LV1010N</p>	<p>RVTDTTC144YST 2SA933SSTA</p>	<p>2SK301QTA 2SK301RSTA</p>
	<p>2SC3940AQSTA 2SB621ARTA 2SD592ARTA 2SA992E</p>	<p>2SB1548PQAU 2SD2374PQAU</p>		<p>2SA1309ARTA 2SC3311ARTA 2SD1915FTA UN421FTA UN4119</p>	<p>1N5402BM21 SB360L6508</p>

 <p>RVD1SS133TA 1SR35200TB MA700ATA 1SS291TA MA167ATA</p>	 <p>MTZJ10CTA MTZJ3R9ATA MTZJ4R7BTA MTZJ6R2BTA MTZJ6R8BTA MTZJ5R6BTA</p> <p>MTZJ3R0ATA MTZJ30DTA MTZJ24DTA MTZJ15CTA MTZJ8R2BTA</p>
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■ Schematic Diagram

(All schematic diagrams may be modified at any time with the development of new technology)

Note :


- | | | | | | |
|--------|---|--------------------------------|---------------------|---|--|
| • S947 | : | Phono select switch | • S964 | : | VCR1 select switch |
| • S949 | : | Power switch | • S980 | : | Speakers on/off switch |
| • S950 | : | Test signal ON/OFF switch | • S982 | : | Super Bass select switch |
| • S952 | : | Center level increase switch | • S983 | : | Dolby Pro Logic/SFC off on switch |
| • S953 | : | Surround level decrease switch | • S984 | : | Dolby Pro Logic mode select switch |
| • S954 | : | Center level decrease switch | • S985 | : | Sound Field Control mode select switch |
| • S956 | : | Surround level increase switch | • S986 | : | Center mode select switch |
| • S960 | : | Tuner select switch | • VR501-1 ~ VR501-4 | : | Volume control |
| • S961 | : | CD select switch | • VR502 | : | Balance control |
| • S962 | : | Tape monitor select switch | • VR511-1 ~ VR511-2 | : | Bass control |
| • S963 | : | TV/VCR2 select switch | • VR512-1 ~ VR512-2 | : | Treble control |

• Signal line

-  : +B line
-  : Main signal line
-  : -B line

•The voltage value and waveforms are the reference voltage of this unit measured by DC electronic voltmeter (high impedance) and oscilloscope on the basis of chassis.
Accordingly, there may arise some error in voltage values and waveforms depending upon the internal impedance of the tester or the measuring unit.


•Importance safety notice:

Components identified by  mark have special characteristics important for safety. Furthermore, special parts which have purposes of fire-retardant (resistors), high-quality sound (capacitors), low-noise (resistors), etc. are used. When replacing any of components, be sure to use only manufacturer's specified parts shown in the parts list.

Caution !


- IC, LSI and VLSI are sensitive to static electricity.
- Secondary trouble can be prevented by taking care during repair.
- Cover the parts boxes made of plastics with aluminium foil.
- Ground the soldering iron.
- Do not touch the pins of IC, LSI or VLSI with fingers directly.
- Put a conductive mat on the work table.


CAUTION : FOR CONTINUED PROTECTION AGAINST FIRE HAZARD, REPLACE ONLY WITH SAME TYPE F1 7.0A 125V FUSE.



RISK OF FIRE-REPLACE FUSE AS MARKED.

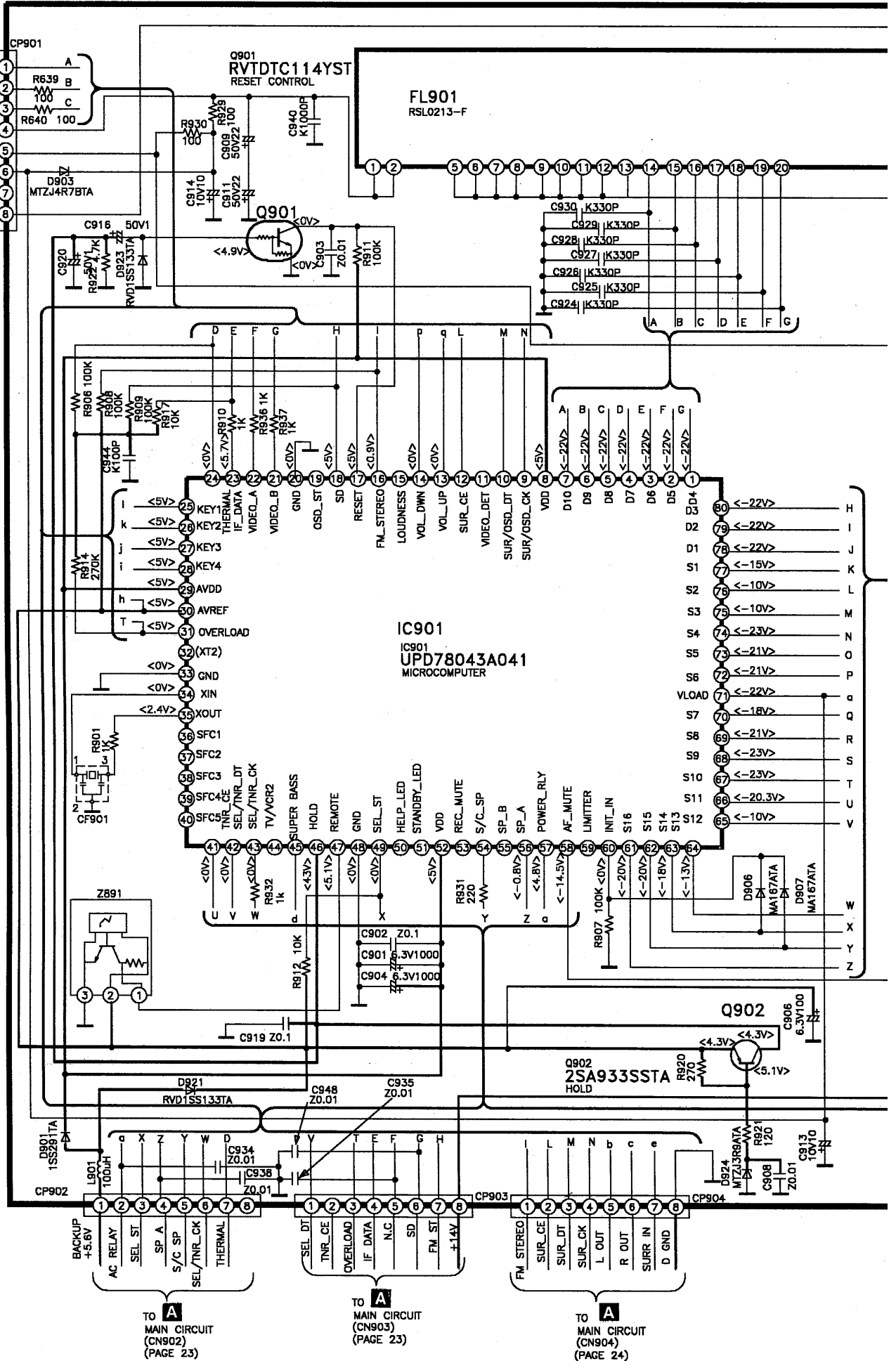
FUSE CAUTION

 These symbols located near the fuse indicates that the fuse used is a fast operating type. For continued protection against fire hazard, replace with the same type fuse. For fuse rating, refer to the marking adjacent to the symbol.

 Ce symbole indique que le fusible utilisé est à rapide. Pour une protection permanente, n' utiliser que des fusibles de même type. Ce dernier est indiqué là où le présent symbole est apposé.

B PANEL CIRCUIT

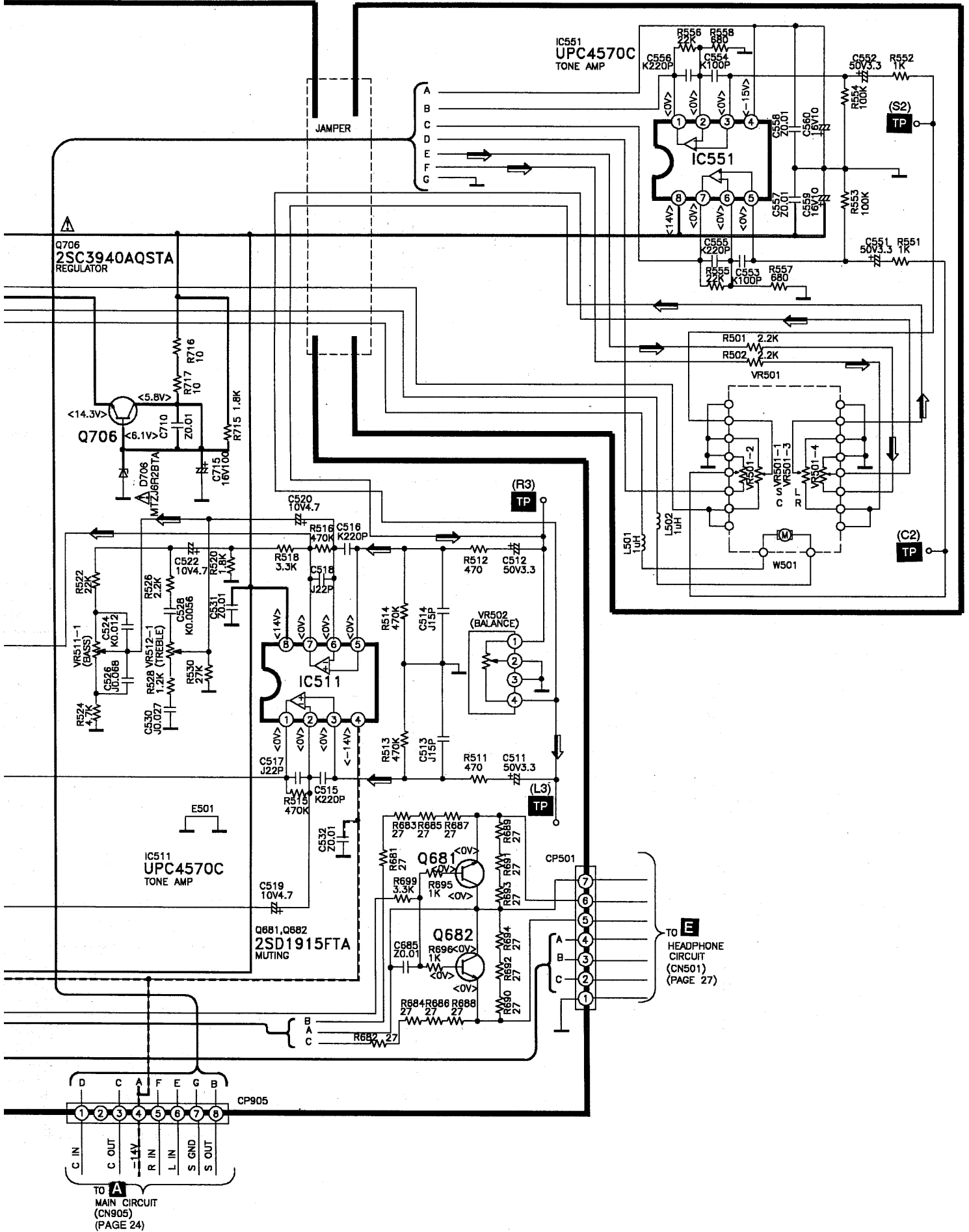
TO **A**
MAIN CIRCUIT
(CN901)
(PAGE 24)



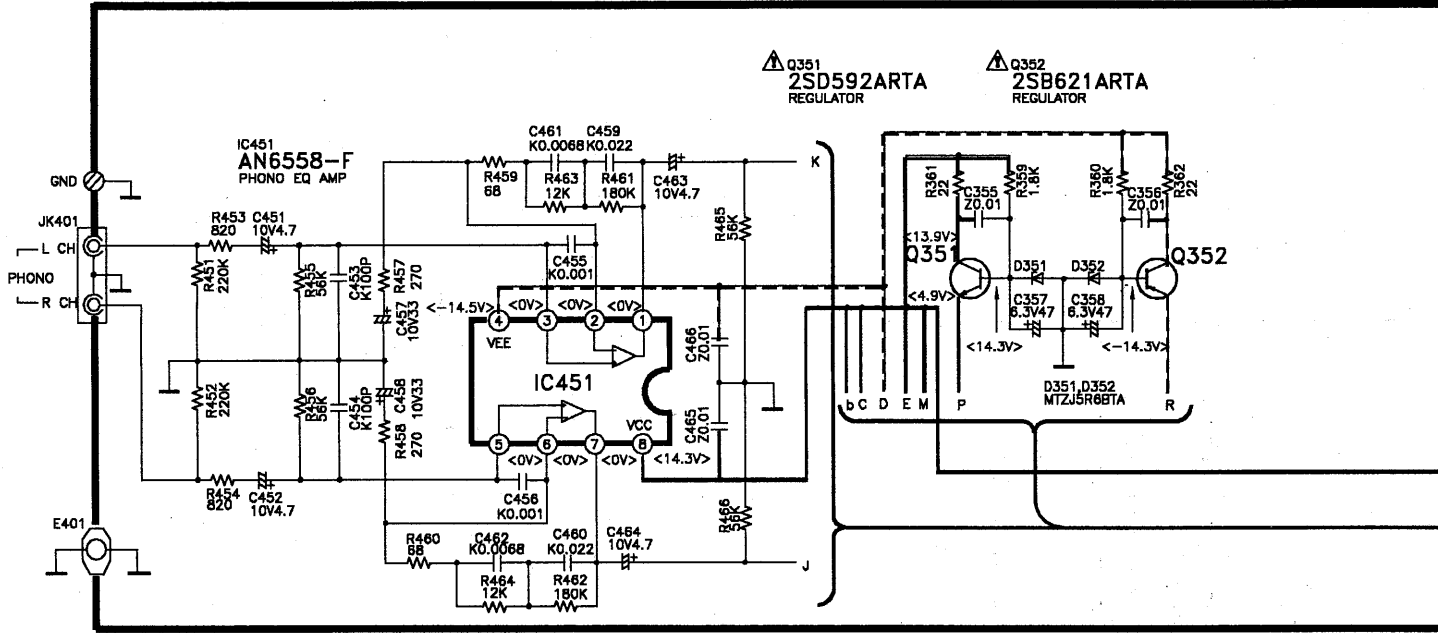
TO **A**
MAIN CIRCUIT
(CN903)
(PAGE 23)

TO **A**
MAIN CIRCUIT
(CN904)
(PAGE 24)

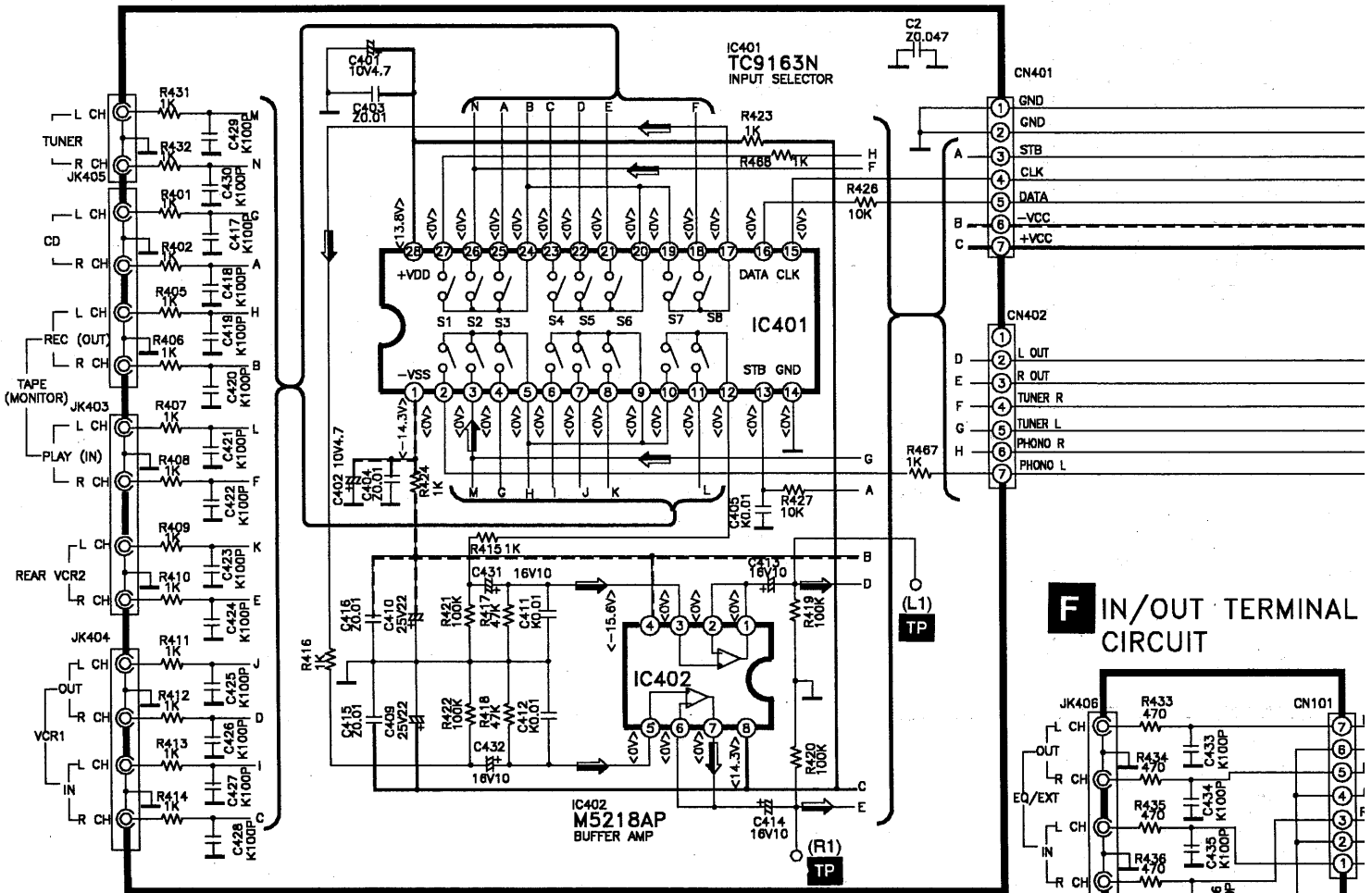
C MOTOR CIRCUIT



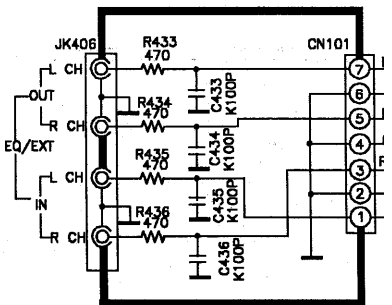
A MAIN CIRCUIT

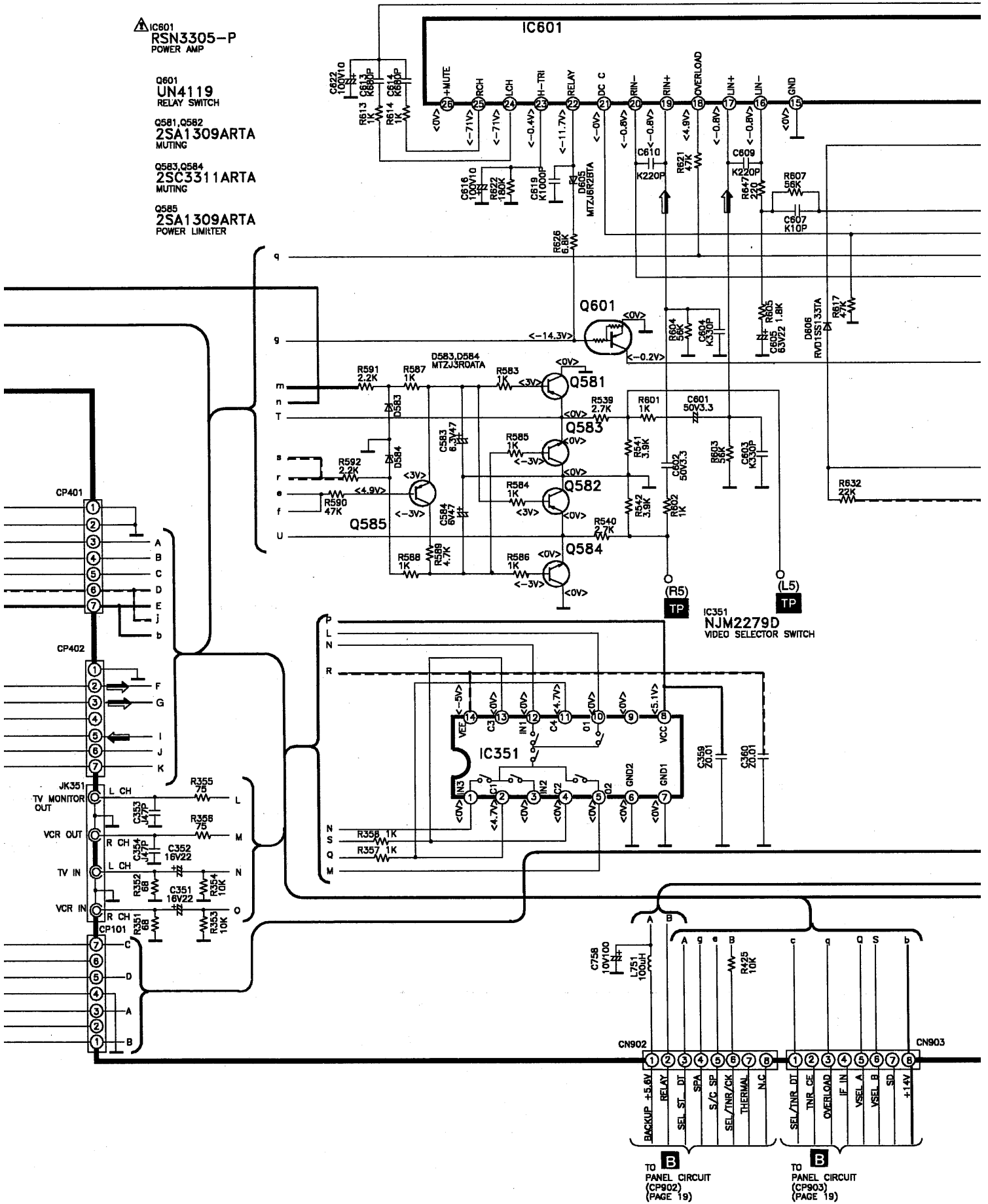


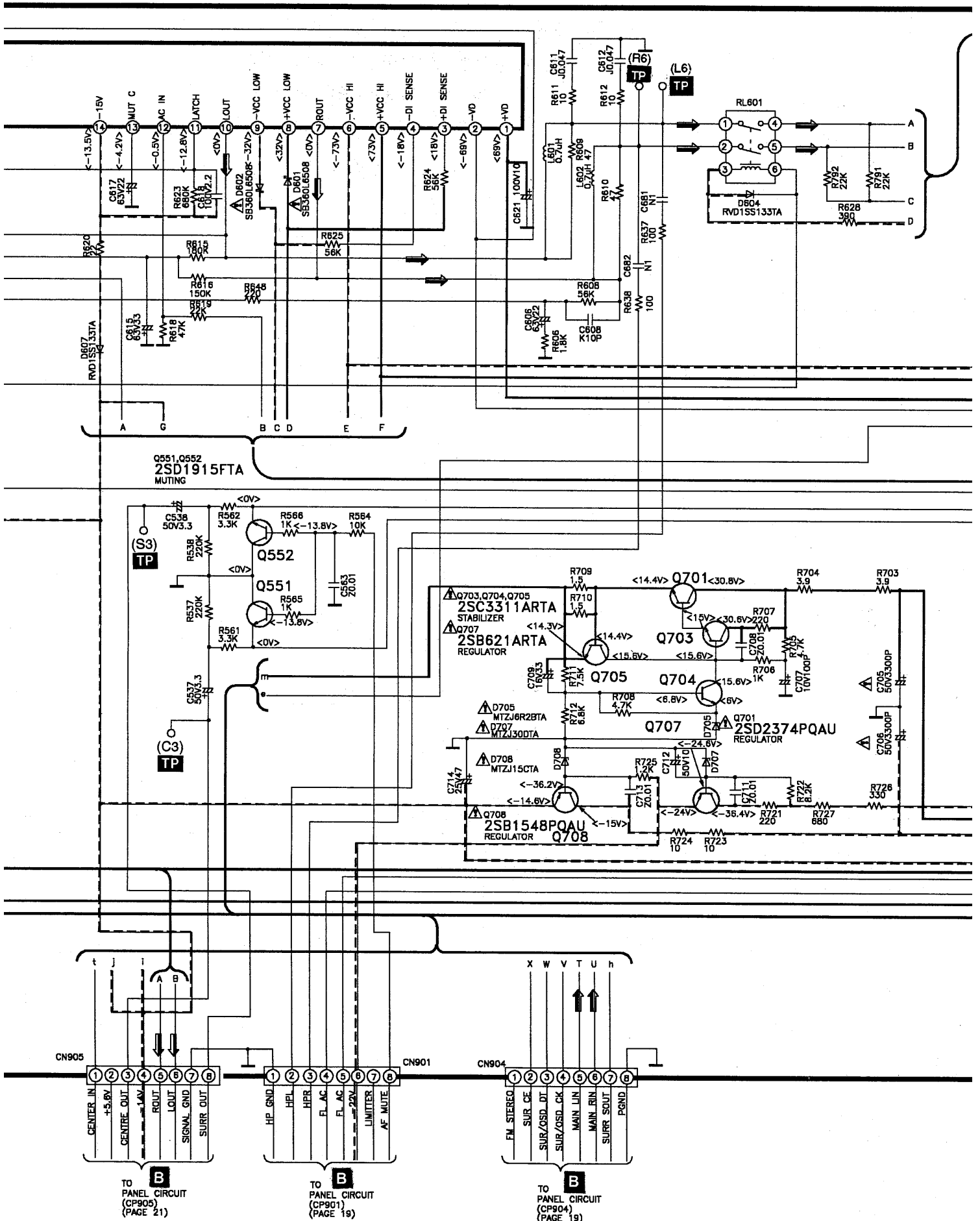
H IN/OUT TERMINAL CIRCUIT



F IN/OUT TERMINAL CIRCUIT



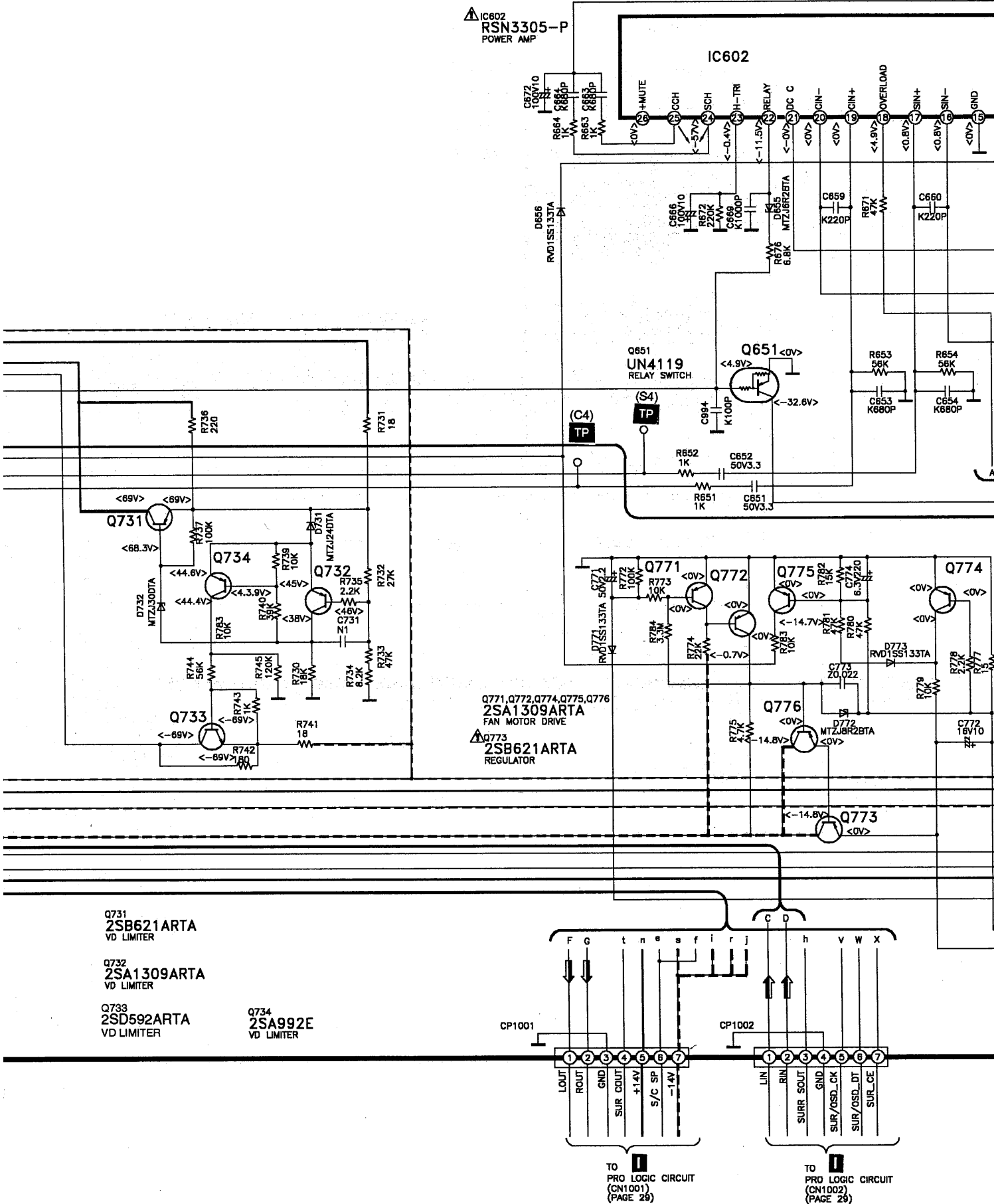


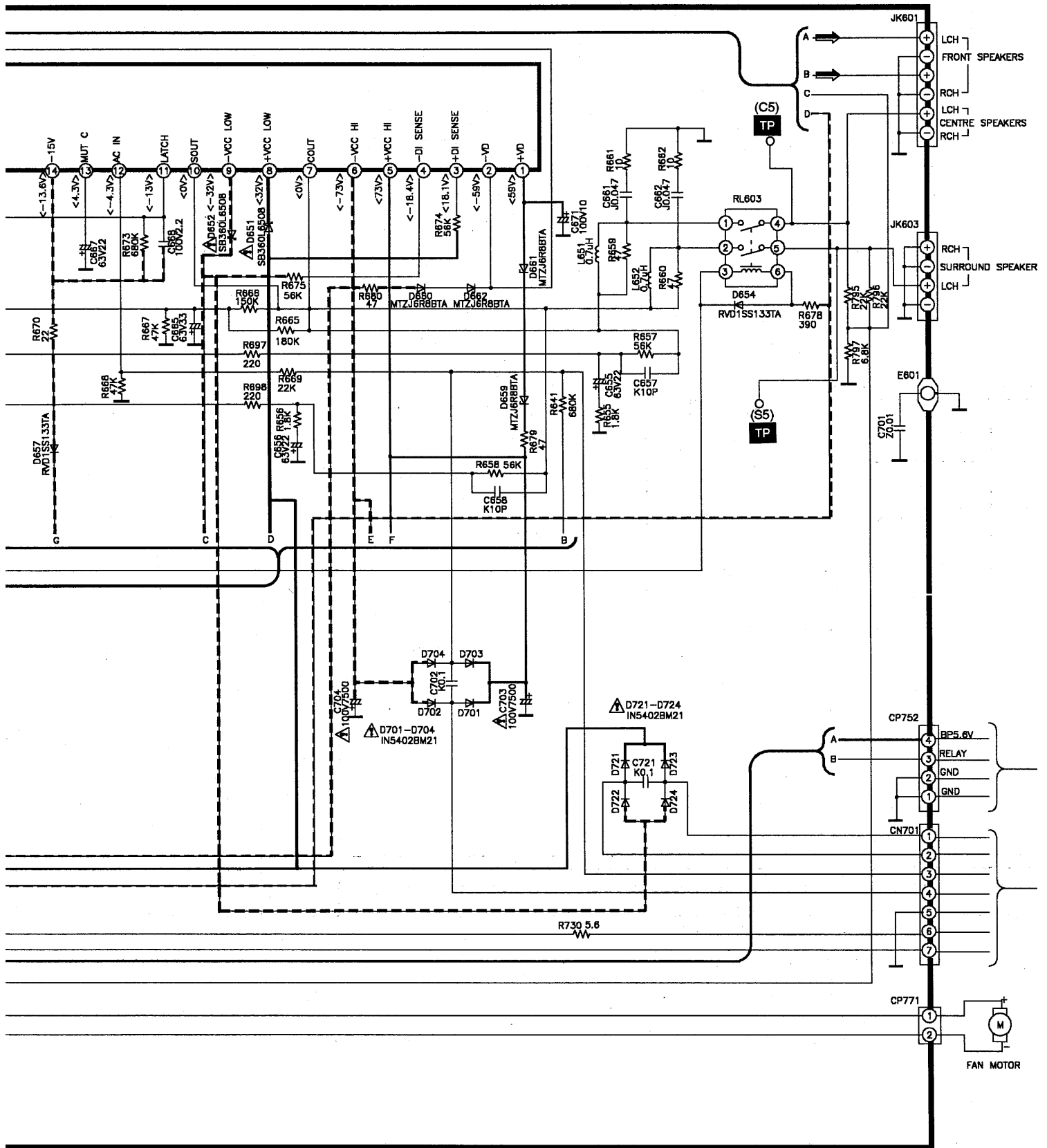


TO PANEL CIRCUIT (CP905) (PAGE 21)

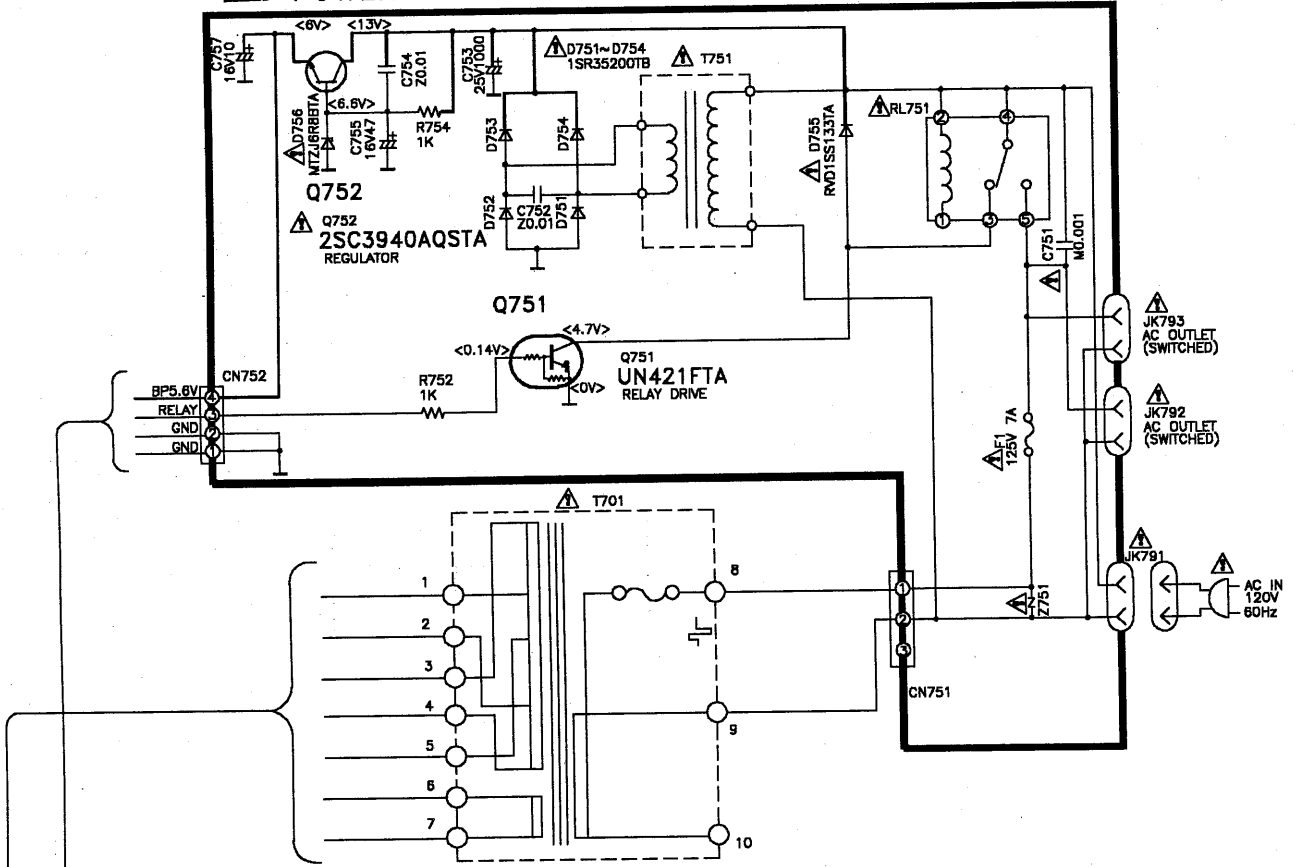
TO PANEL CIRCUIT (CP901) (PAGE 19)

TO PANEL CIRCUIT (CP904) (PAGE 19)

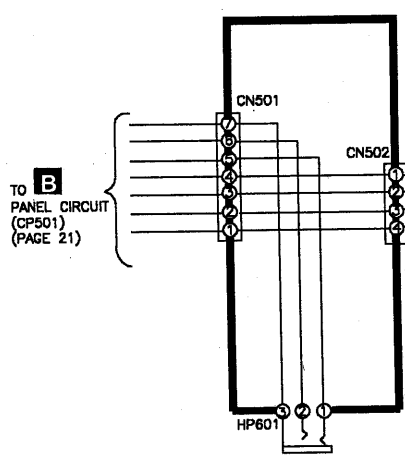




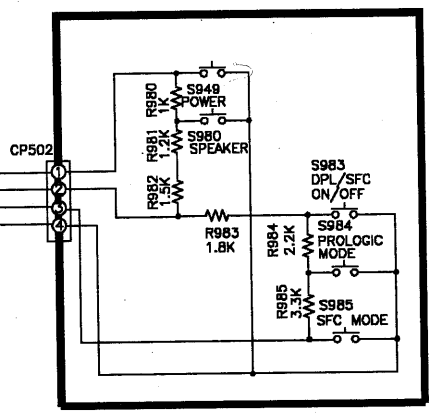
J POWER CIRCUIT



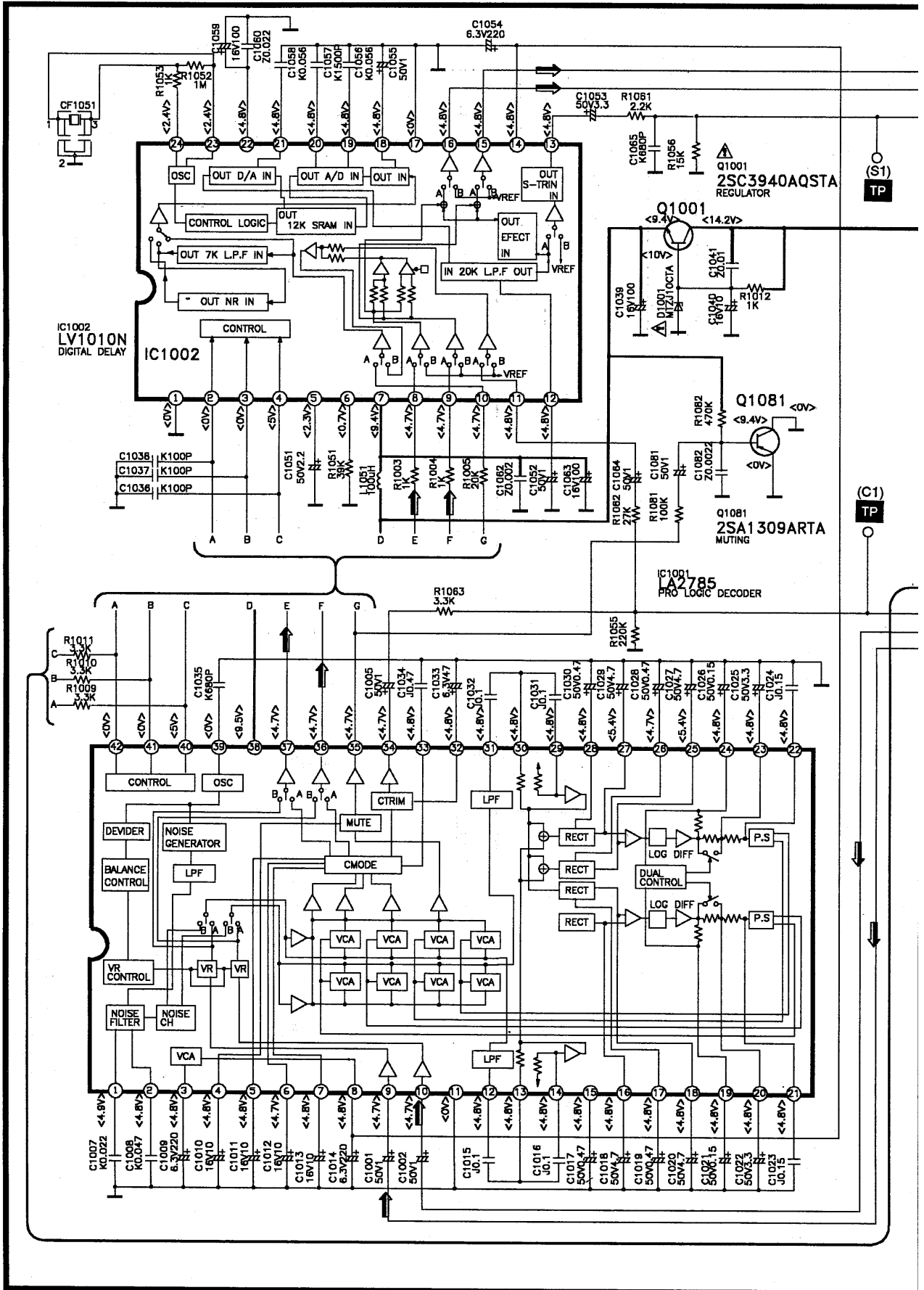
E HEADPHONE JACK CIRCUIT

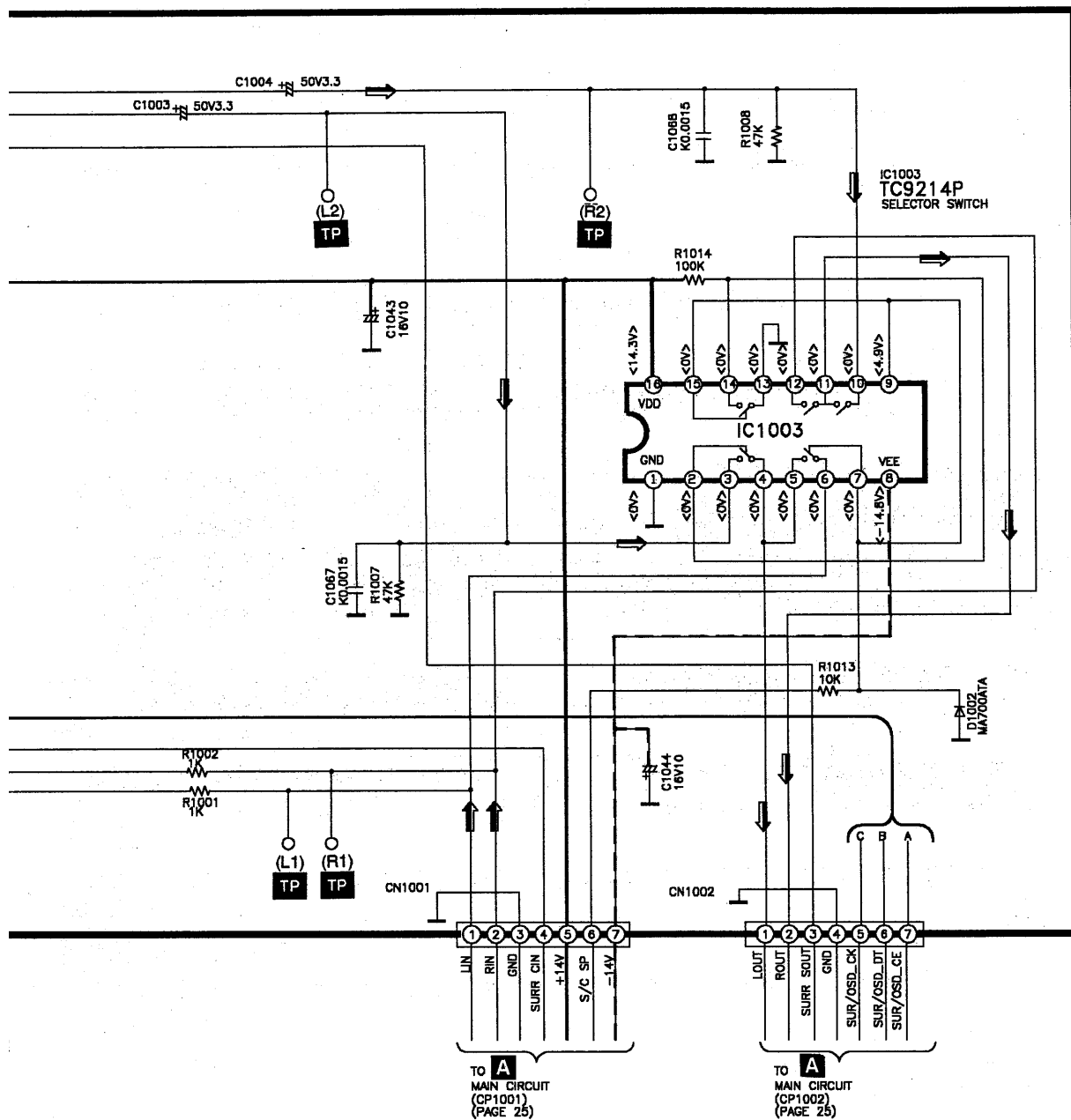


D POWER SWITCH CIRCUIT



PRO LOGIC CIRCUIT

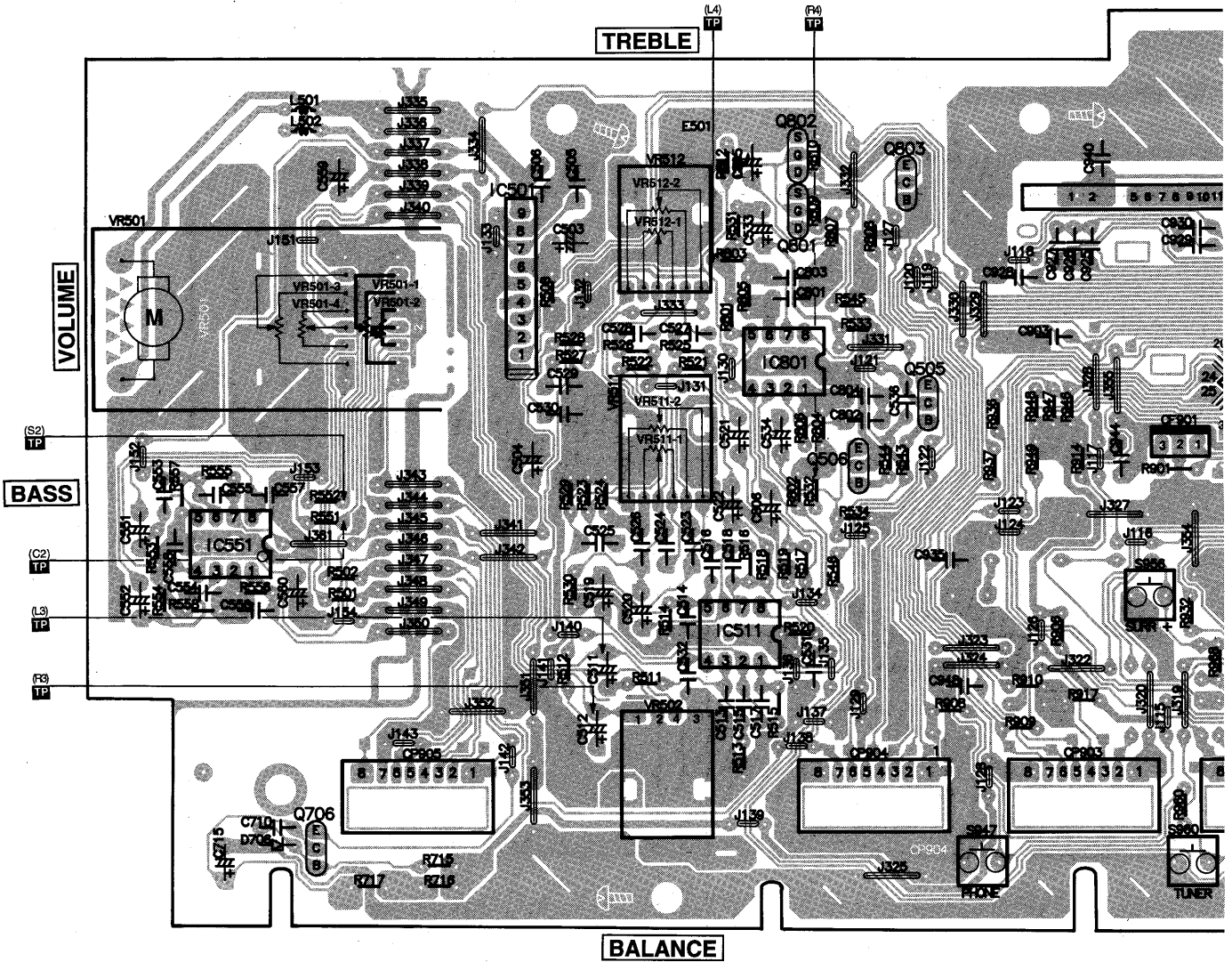




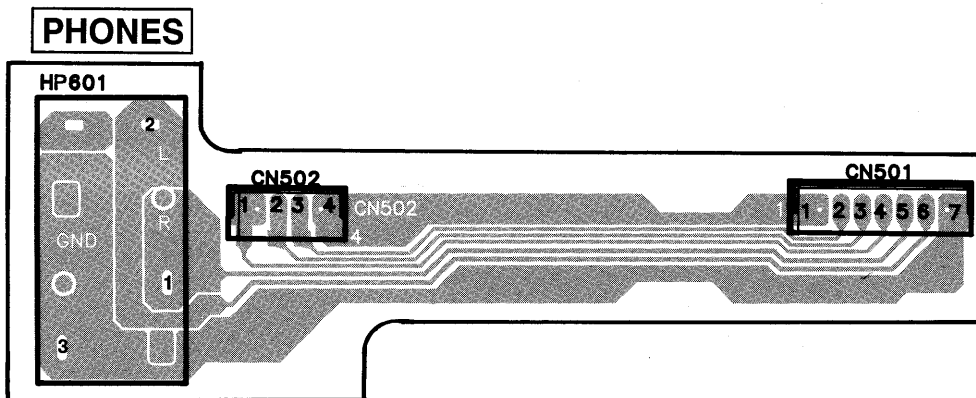
■ Printed Circuit Board

■ C MOTOR P.C.B. (REP2333B-S)

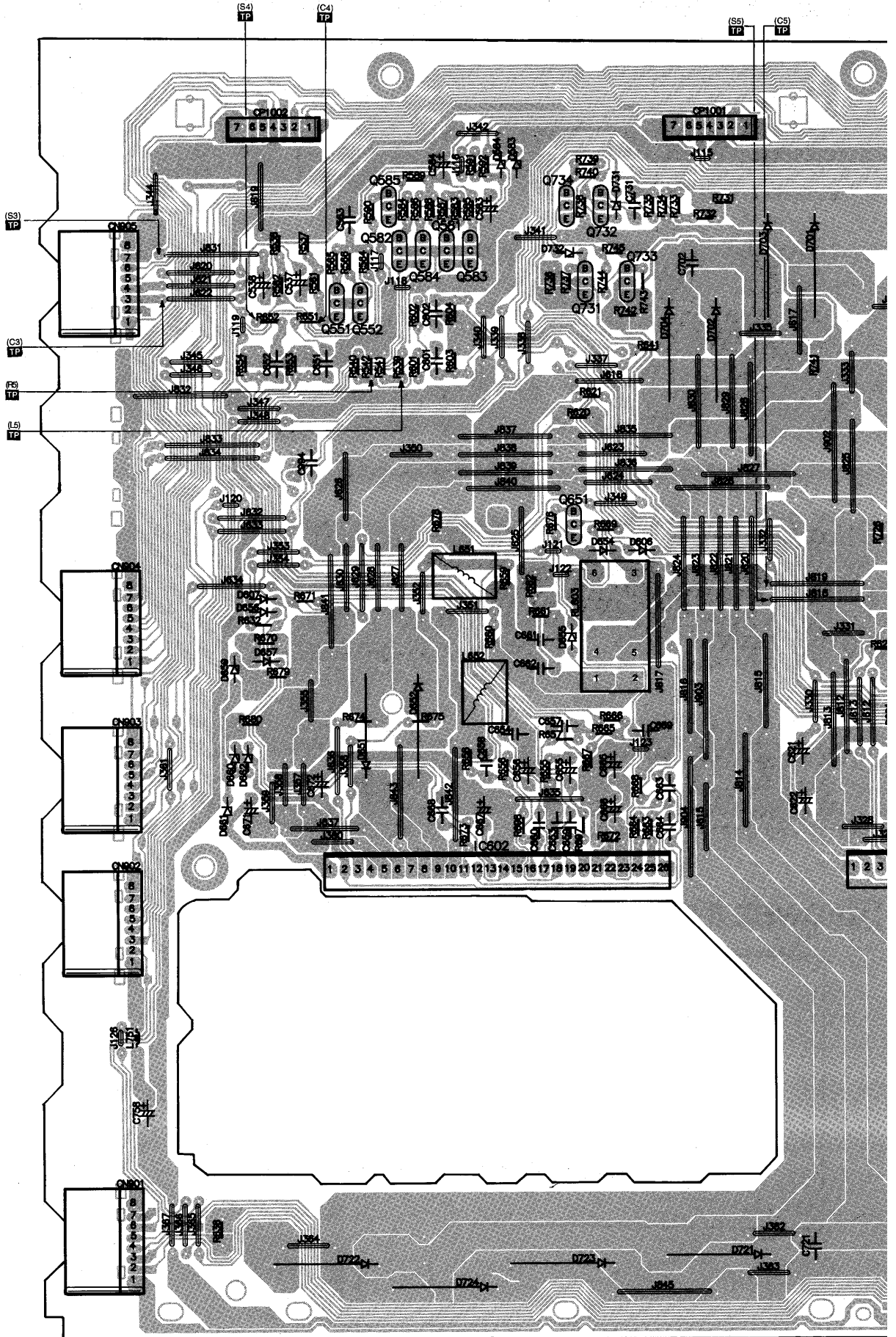
■ B PANEL P.C.B. (REP2333B-S)



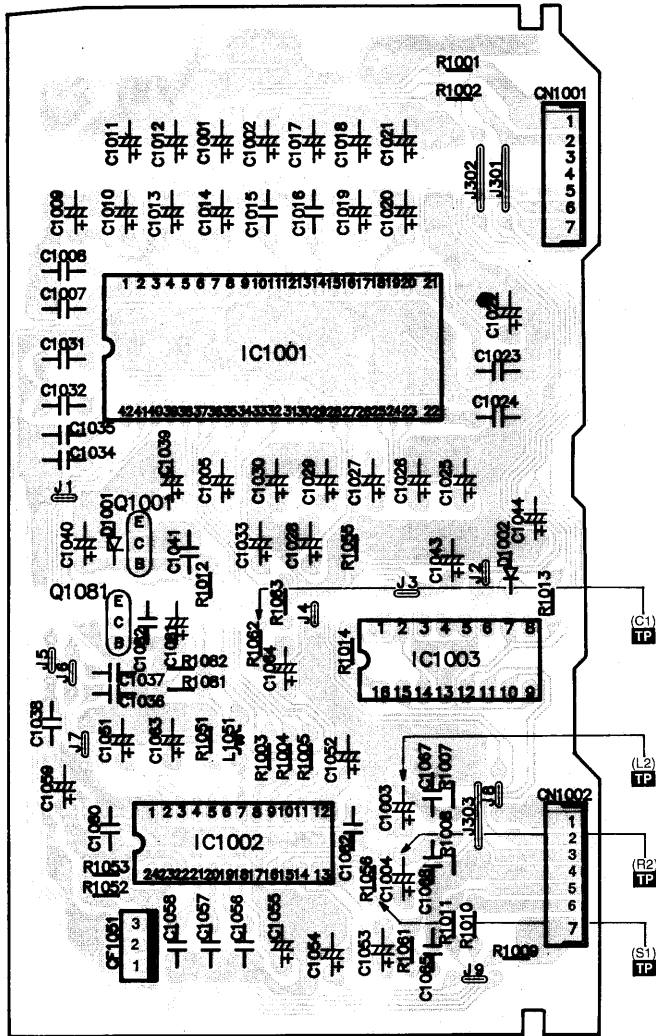
■ E HEADPHONE JACK P.C.B. (REP2333B-S)



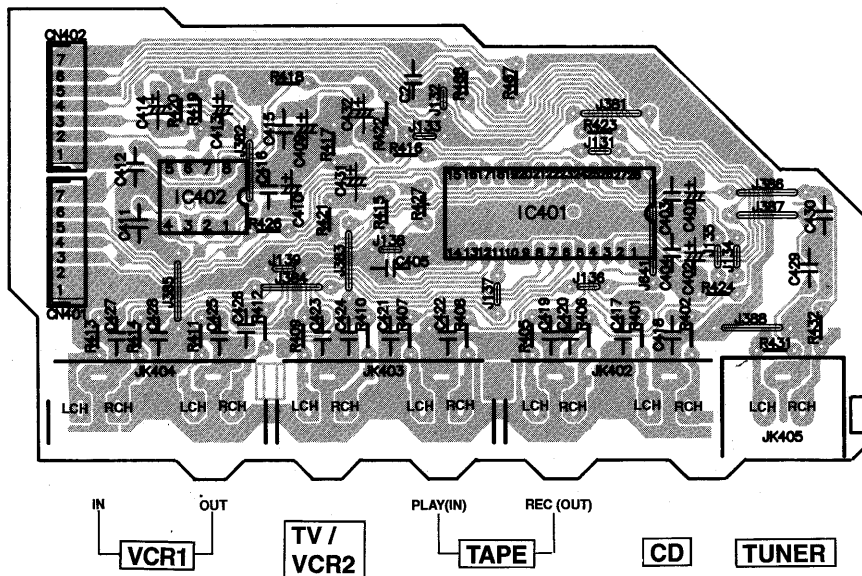
A MAIN P.C.B. (REP2332B-M)



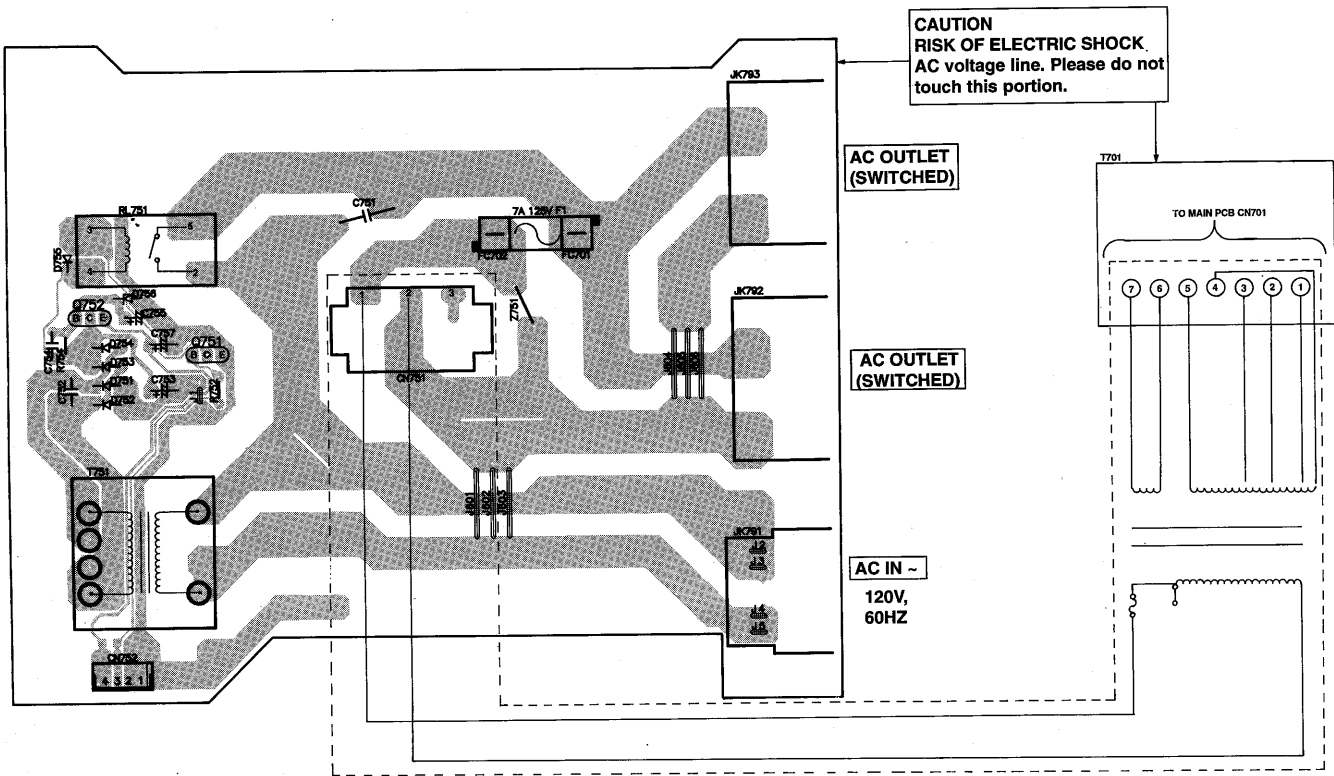
I PRO LOGIC P.C.B. (REP2241A-T)



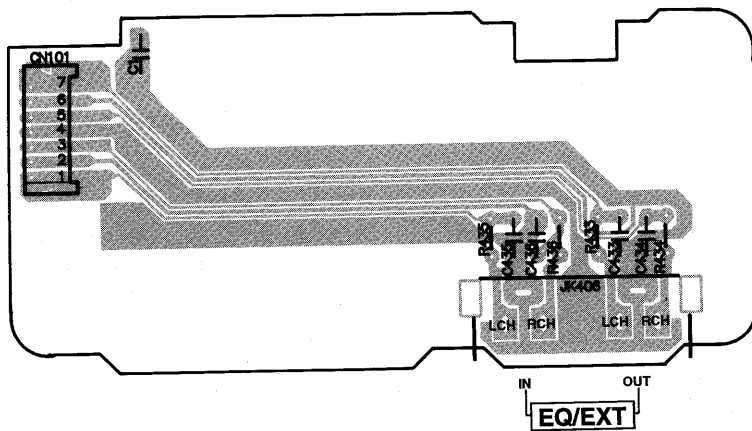
H IN/OUT TERMINAL P.C.B. (REP2332B-M)



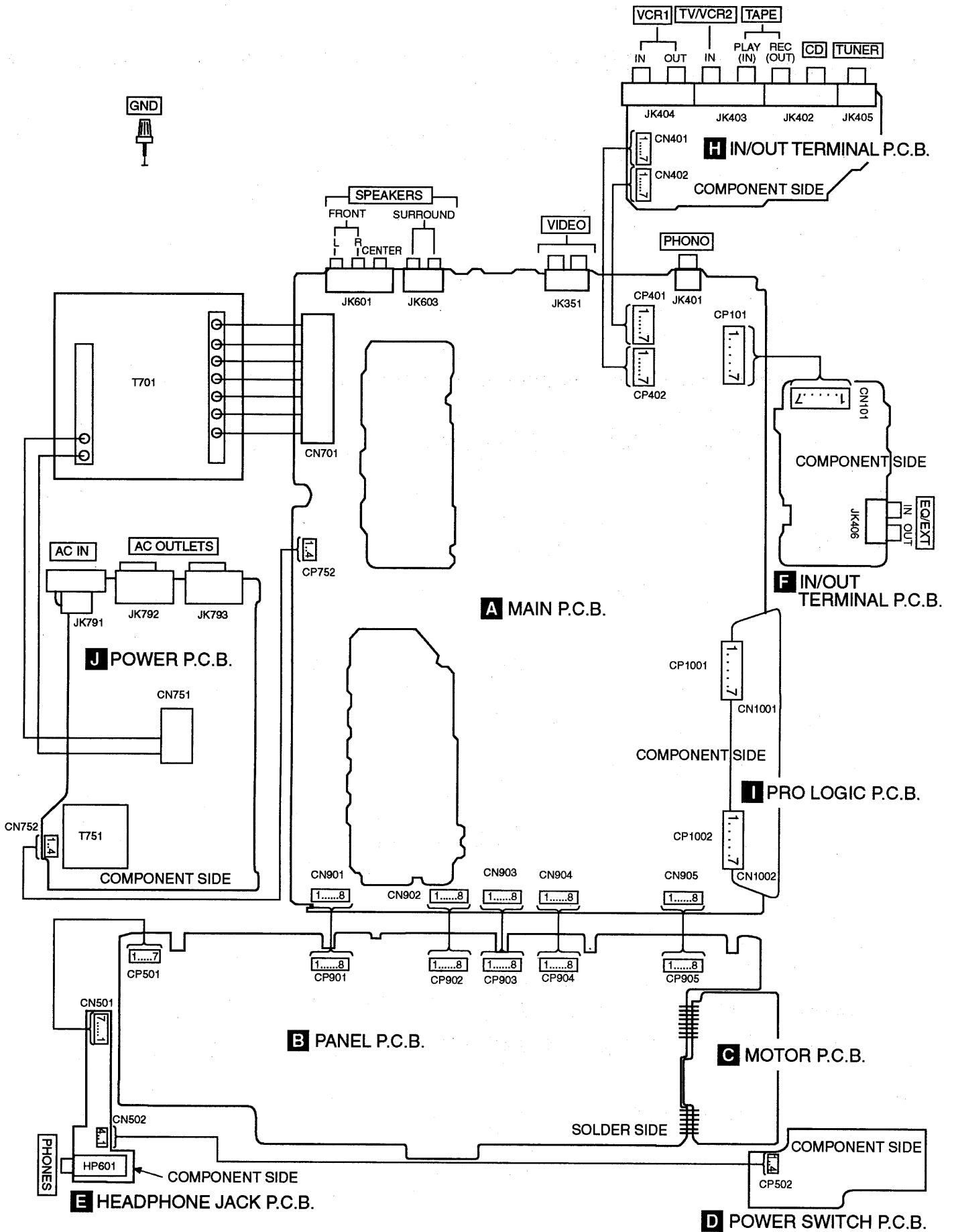
J POWER P.C.B. (REP2334B-P)



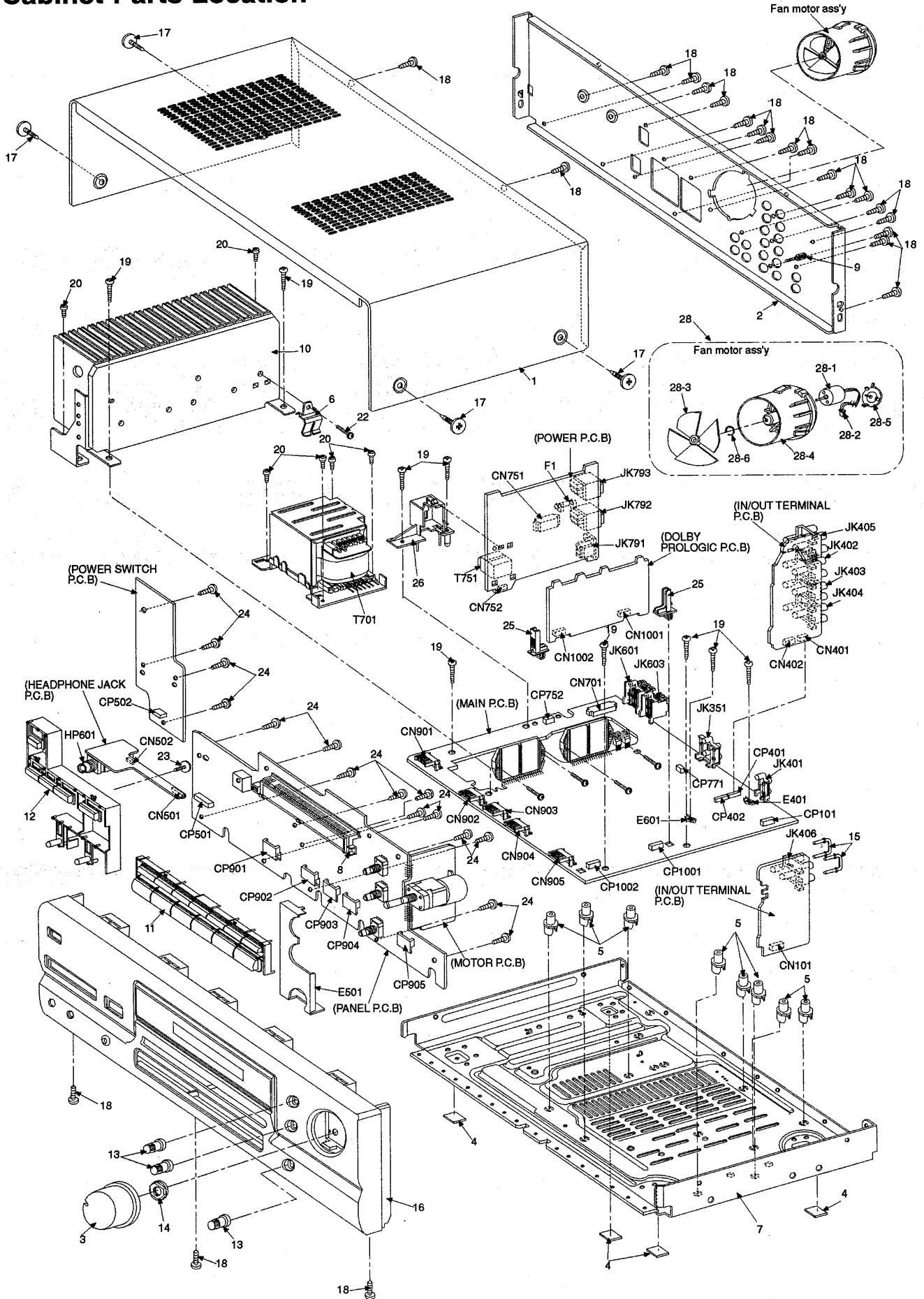
F IN/OUT TERMINAL P.C.B. (REP2332B-M)




Wiring Connection Diagram





















■ Cabinet Parts Location



■ Replacement Parts List

Notes: * Important safety notice :
 Components identified by  mark have special characteristics important for safety.
 Furthermore, special parts which have purposes of fire-retardant (resistors), high-quality sound (capacitors), low-noise (resistors), etc. are used.
 When replacing any of components, be sure to use only manufacturer's specified parts shown in the parts list.
 * The parenthesized in the Remarks columns specify the areas. (Refer to the cover page for area.)
 Parts without these indication can be used for all areas.
 * [M] in Remarks column indicates parts that are supplied by MESA.
 * [MAV] in Remarks column indicates parts that are supplied by MAV.
 * Remote Control Unit : Supply period for three years from terminal of production.
 * The "(SF)" mark denotes the standard part.

Ref No.	Part No.	Part Name & Description	Remarks	Ref No.	Part No.	Part Name & Description	Remarks	Ref No.	Part No.	Part Name & Description	Remarks
		CABINET AND CHASSIS		IC402	M5218AP	IC, BUFFER AMP		Q733	2SD592ARTA	TRANSISTOR	
				IC451	AN6558-F	IC, OP AMP	[M]	Q734	2SA992E	TRANSISTOR	
1	RKM0325B-K	CABINET	[MAV]	IC501	BA6218	IC, MOTOR DRIVER		Q751	UN421FTA	TRANSISTOR	
2	RGR0237A-A	REAR PANEL	[MAV]	IC511	UPC4570C	IC, TONE CONTROL		Q752	2SC3940AQSTA	TRANSISTOR	
3	RGW0243B-K	VOLUME KNOB	[MAV]	IC551	UPC4570C	IC, TONE CONTROL		Q771	2SA1309ARTA	TRANSISTOR	
4	SKL293	LEG CUSHION		IC601	RSN3305-P	IC, HIC	[MAV] 	Q772	2SA1309ARTA	TRANSISTOR	
5	RKQ0089	PCB HOLDER		IC602	RSN3305-P	IC, HIC	[MAV] 	Q773	2SB621ARTA	TRANSISTOR	
6	RMC0158-S	TR FIXTURE	[M]	IC801	M5218AP	IC, BUFFER AMP		Q774	2SA1309ARTA	TRANSISTOR	
7	RMK0313	BOTTOM CHASSIS	[MAV]	IC901	UPD78043A041	IC, MICRO COMPUTER	[MAV]	Q775	2SA1309ARTA	TRANSISTOR	
8	RMN0372	FL HOLDER	[MAV]	IC1001	LA2785	IC, PRO LOGIC DECODER		Q776	2SA1309ARTA	TRANSISTOR	
9	SNE2123	EARTH TERMINAL		IC1002	LV1010N	IC, DIGITAL DELAY		Q801	2SK301QTA	TRANSISTOR	[M]
10	RXX0166	HEAT SINK UNIT	[MAV]	IC1003	TC9214P	IC, SELECTOR SWITCH		Q802	2SK301RSTA	TRANSISTOR	
11	RGU1365-K	SELECTOR BUTTON	[MAV]			TRANSISTORS		Q803	2SA933SSTA	TRANSISTOR	
12	RGU1366-K	FUNCTION BUTTON	[MAV]					Q901	RVTDTTC114YST	TRANSISTOR	
13	RGW0216-K	TONE KNOB						Q902	2SA933SSTA	TRANSISTOR	
14	RHN90001	M9 NUT		Q351	2SD592ARTA	TRANSISTOR		Q1001	2SC3940AQSTA	TRANSISTOR	
15	SJP9205-2T	SHORT PIN		Q352	2SB621ARTA	TRANSISTOR		Q1081	2SA1309ARTA	TRANSISTOR	
16	RFKGSUG96PPK	FRONT PANEL ASS'Y	[MAV]	Q505	2SD1915FTA	TRANSISTOR				DIODES	
17	SNE2129-1	SCREW (CAB.)		Q506	2SD1915FTA	TRANSISTOR					
18	XTBS3+8JFZ1	SCREW		Q551	2SD1915FTA	TRANSISTOR					
19	XTB3+20JFZ	SCREW		Q552	2SD1915FTA	TRANSISTOR		D351	MTZJ5R6BTA	DIODE	
20	XTB3+8FFZ	SCREW		Q581	2SA1309ARTA	TRANSISTOR		D352	MTZJ5R6BTA	DIODE	
22	XTW3+15T	SCREW		Q582	2SA1309ARTA	TRANSISTOR		D583	MTZJ3R0ATA	DIODE	[MAV]
23	RHD26016	SCREW		Q583	2SC3311ARTA	TRANSISTOR		D584	MTZJ3R0ATA	DIODE	[MAV]
24	XTBS26+10J	SCREW		Q584	2SC3311ARTA	TRANSISTOR		D601	SB360L6508	DIODE	
25	RMN0203	PCB SUPPORT		Q585	2SA1309ARTA	TRANSISTOR		D602	SB360L6508	DIODE	
26	RMN0312	TRANS HOLDER		Q601	UN4119	TRANSISTOR		D604	RVD1SS133TA	DIODE	
28	RYQ0173-K	FAN UNIT	[MAV]	Q651	UN4119	TRANSISTOR		D605	MTZJ6R2BTA	DIODE	
28-1	MDN-4RB4MRC	MOTOR		Q681	2SD1915FTA	TRANSISTOR		D606	RVD1SS133TA	DIODE	
28-2	REX0811	CONNECTOR UNIT	[MAV]	Q682	2SD1915FTA	TRANSISTOR		D607	RVD1SS133TA	DIODE	
28-3	SHE232	64MM FAN		Q701	2SD2374PQAU	TRANSISTOR		D651	SB360L6508	DIODE	
28-4	SHE233-1	FAN CASE		Q703	2SC3311ARTA	TRANSISTOR		D652	SB360L6508	DIODE	
28-5	SHE234	FAN CASE COVER		Q704	2SC3311ARTA	TRANSISTOR		D654	RVD1SS133TA	DIODE	
28-6	SUS271	MOTOR SPRING		Q705	2SC3311ARTA	TRANSISTOR		D655	MTZJ6R2BTA	DIODE	
		INTEGRATED CIRCUITS		Q706	2SC3940AQSTA	TRANSISTOR		D656	RVD1SS133TA	DIODE	
				Q707	2SB621ARTA	TRANSISTOR		D657	RVD1SS133TA	DIODE	
				Q708	2SB1548PQAU	TRANSISTOR		D659	MTZJ6R8BTA	DIODE	
IC351	NJM2279D	IC, VIDEO SELECTOR SW		Q731	2SB621ARTA	TRANSISTOR		D660	MTZJ6R8BTA	DIODE	
IC401	TC9163N	IC, SELECTOR		Q732	2SA1309ARTA	TRANSISTOR		D661	MTZJ6R8BTA	DIODE	

Ref No.	Part No.	Part Name & Description	Remarks	Ref No.	Part No.	Part Name & Description	Remarks	Ref No.	Part No.	Part Name & Description	Remarks
D662	MTZJ6R8BTA	DIODE		S954	EVQ21405R	SW, CENTER LEVEL				COILS & TRANSFORMERS	
D701	1N5402BM21	DIODE	⚠	S956	EVQ21405R	SW, SURROUND LEVEL					
D702	1N5402BM21	DIODE	⚠	S960	EVQ21405R	SW, TUNER		L501	RLQZP1R0KT-Y	AXIAL COIL	
D703	1N5402BM21	DIODE	⚠	S961	EVQ21405R	SW, CD		L502	RLQZP1R0KT-Y	AXIAL COIL	
D704	1N5402BM21	DIODE	⚠	S962	EVQ21405R	SW, TAPE MONITOR		L601	RLQYR73M	CHOKE COIL	
D705	MTZJ6R2BTA	DIODE	⚠	S963	EVQ21405R	SW, TV/VCR2		L602	RLQYR73M	CHOKE COIL	
D706	MTZJ6R2BTA	DIODE	⚠	S964	EVQ21405R	SW, VCR1		L651	RLQYR73M	CHOKE COIL	
D707	MTZJ30DTA	DIODE	⚠	S980	EVQ21405R	SW, SPEAKERS		L652	RLQYR73M	CHOKE COIL	
D708	MTZJ15CTA	DIODE	⚠	S982	EVQ21405R	SW, SUPER BASS		L751	RLQB101KTA-Y	CHOKE COIL	
D721	1N5402BM21	DIODE	⚠	S983	EVQ21405R	SW, DPL/SFC OFF/ON		L901	RLQB101KTA-Y	CHOKE COIL	
D722	1N5402BM21	DIODE	⚠	S984	EVQ21405R	SW, DOLBY PRO LOGIC		L1051	RLQB101KTA-Y	CHOKE COIL	
D723	1N5402BM21	DIODE	⚠	S985	EVQ21405R	SW, SOUND FIELD CON.		T701	RTP1P5C024-V	POWER TRANSFORMER	[MAV] ⚠
D724	1N5402BM21	DIODE	⚠	S986	EVQ21405R	SW, CENTER MODE		T751	RTP1H5C001-V	POWER TRANSFORMER	⚠
D731	MTZJ24DTA	DIODE									
D732	MTZJ30DTA	DIODE								COMPONENT COMBINATION	
D751	1SR35200TB	DIODE	⚠								
D752	1SR35200TB	DIODE	⚠	CN101	RJU057W007	CONNECTOR (7P)		Z751	ERZV10V511CS	ZNR	⚠
D753	1SR35200TB	DIODE	⚠	CN401	RJU100W07	7P CONNECTOR	[MAV]	Z891	RCDSPS4242N	REMOTE SENSOR	
D754	1SR35200TB	DIODE	⚠	CN402	RJU100W07	7P CONNECTOR	[MAV]				
D755	RVD1SS133TA	DIODE	⚠	CN501	RJU100W07	7P CONNECTOR	[MAV]			CERAMIC FILTERS	
D756	MTZJ6R8BTA	DIODE	⚠	CN502	RJU100W04	SOCKET (4P)	[MAV]				
D771	RVD1SS133TA	DIODE		CN701	SJS702-1	7P CONNECTOR		CF901	RVBCST4R00MT	CERAMIC CAP	
D772	MTZJ8R2BTA	DIODE	[M]	CN751	SJS305-1	CONNECTOR (3P)		CF1051	EF0EC8004T4	CERAMIC OSCILLATOR	
D773	RVD1SS133TA	DIODE		CN752	RJU100W04	SOCKET (4P)	[MAV]				
D901	1SS291TA	DIODE		CN901	RJU003K008M1	BOARD IN CONNECTOR				DISPLAY TUBE	
D903	MTZJ4R7BTA	DIODE		CN902	RJU003K008M1	BOARD IN CONNECTOR					
D906	MA167ATA	DIODE		CN903	RJU003K008M1	BOARD IN CONNECTOR		FL901	RSL0213-F	FL DISPLAY	[MAV]
D907	MA167ATA	DIODE		CN904	RJU003K008M1	BOARD IN CONNECTOR					
D921	RVD1SS133TA	DIODE		CN905	RJU003K008M1	BOARD IN CONNECTOR				FUSES	
D923	RVD1SS133TA	DIODE		CN1001	RJU100W07	7P CONNECTOR	[MAV]				
D924	MTZJ3R9ATA	DIODE		CN1002	RJU100W07	7P CONNECTOR	[MAV]	F1	XBA1C70NBAU	FUSE	[MAV] ⚠
D1001	MTZJ10CTA	DIODE	⚠	CP101	RJT057W007-1	7P CONNECTOR					
D1002	MA700ATA	DIODE		CP401	RJT100W07	7P CONNECTOR	[MAV]			FUSE CLIPS	
		VARIABLE RESISTORS		CP402	RJT100W07	7P CONNECTOR	[MAV]				
				CP501	RJT100W07	7P CONNECTOR	[MAV]	FC701	EYF52BC	FUSE HOLDER	
VR501	RRV24B02B16A	VR, MOTOR VOLUME	[MAV]	CP502	RJT100W04	CONNECTOR (4P)	[MAV]	FC702	EYF52BC	FUSE HOLDER	
VR502	EVJ02QF04G15	VR, BALANCE CONTROL		CP752	RJT100W04	CONNECTOR (4P)	[MAV]				
VR511	EVJYA1FA5C15	VR, BASS CONTROL		CP771	SJT3213	CONNECTOR (FAN)				JACKS	
VR512	EVJYA1FA5C15	VR, TREBLE CONTROL		CP901	RJT003K008M1	8P CONNECTOR		JK351	SJF3069-3N	JK, RCA PIN JACK	
		SWITCHES		CP902	RJT003K008M1	8P CONNECTOR		JK401	SJF3068-7N	JK, RCA TERMINAL	
				CP903	RJT003K008M1	8P CONNECTOR		JK402	SJF3069N	JK, LINE IN JACK	
S947	EVQ21405R	SW, PHONO		CP904	RJT003K008M1	8P CONNECTOR		JK403	SJF3069N	JK, LINE IN JACK	
S949	EVQ21405R	SW, POWER		CP905	RJT003K008M1	8P CONNECTOR		JK404	SJF3069N	JK, LINE IN JACK	
S950	EVQ21405R	SW, TEST SIGNAL		CP1001	RJT100W07	7P CONNECTOR	[MAV]	JK405	SJF3068-7N	JK, RCA TERMINAL	
S952	EVQ21405R	SW, CENTER LEVEL		CP1002	RJT100W07	7P CONNECTOR	[MAV]	JK406	SJF3069N	JK, LINE IN JACK	
S953	EVQ21405R	SW, SURROUND LEVEL						JK601	RJH5601	JK, SP TERMINAL	
								JK603	RJR0054	JK, SP TERMINAL	

Ref No.	Part No.	Part Name & Description	Remarks	Ref No.	Part No.	Part Name & Description	Remarks	Ref No.	Part No.	Part Name & Description	Remarks
JK791	SJS9237	JK, AC INLET	⚠			HEADPHONE				PACKING MATERIALS	
JK792	RJS2A2302	JK, AC OUTLET	⚠					P1	RPG2779	PACKING CASE	[MAV]
JK793	RJS2A2302	JK, AC OUTLET	⚠	HP601	RJJ63TS01	HEADPHONES JACK		P2	RPF0005	MIRAMAT BAG	[M]
		RELAYS				EARTH TERMINAL		P3	RPN0952	POLYFOAM	[MAV]
RL601	RSY0022M-0	24VSP RELAY		E401	SNE1004-2	EARTH TERMINAL					
RL603	RSY0022M-0	24VSP RELAY		E501	RSC0445	TONE SHIELD PLATE	[MAV]				
RL751	RSY0019M-0	12V TV-5 RELAY	⚠	E601	SNE1004-2	EARTH TERMINAL					

Resistors & Capacitors

Notes : * Important safety notice:
 Components identified by ⚠ mark have special characteristics important for safety.
 Furthermore, special parts which have purposes of fire-retardant (resistors), high-quality sound (capacitors), low-noise (resistors), etc. are used.
 When replacing any of components, be sure to use only manufacturer's specified parts shown in the parts list.
 * Capacitor values are in microfarad (μF) unless specified otherwise, P=Pico-farads (pF) F=Farads (F)
 * Resistors values are in ohms, unless specified otherwise, 1k=1,000(OHM), 1M=1,000k(OHM)

Ref No.	Part No.	Values & Remarks	Ref No.	Part No.	Values & Remarks	Ref No.	Part No.	Values & Remarks	Ref No.	Part No.	Values & Remarks
		RESISTORS	R420	ERDS2TJ104T	100K 1/4W	R468	ERDS2TJ102T	1K 1/4W	R540	ERDS2TJ272T	2.7K 1/4W
			R421	ERDS2TJ104T	100K 1/4W	R501	ERDS2TJ102T	1K 1/4W	R541	ERDS2TJ392T	3.9K 1/4W
R351	ERDS2TJ680T	68 1/4W	R422	ERDS2TJ104T	100K 1/4W	R502	ERDS2TJ102T	1K 1/4W	R542	ERDS2TJ392T	3.9K 1/4W
R352	ERDS2TJ680T	68 1/4W	R423	ERDS2TJ102T	1K 1/4W	R508	ERDS1FVJ2R2T	2.2 1/2W	R543	ERDS2TJ102T	1K 1/4W
R353	ERDS2TJ103T	10K 1/4W	R424	ERDS2TJ102T	1K 1/4W	R511	ERDS2TJ471T	470 1/4W	R544	ERDS2TJ102T	1K 1/4W
R354	ERDS2TJ103T	10K 1/4W	R425	ERDS2TJ103T	10K 1/4W	R512	ERDS2TJ471T	470 1/4W	R545	ERDS2TJ684T	680K 1/4W
R355	ERDS2TJ750T	75 1/4W	R426	ERDS2TJ103T	10K 1/4W	R513	ERDS2TJ474T	470K 1/4W	R546	ERDS2TJ103T	10K 1/4W
R356	ERDS2TJ750T	75 1/4W	R427	ERDS2TJ103T	10K 1/4W	R514	ERDS2TJ474T	470K 1/4W	R551	ERDS2TJ102T	1K 1/4W
R357	ERDS2TJ102T	1K 1/4W	R431	ERDS2TJ102T	1K 1/4W	R515	ERDS2TJ474T	470K 1/4W	R552	ERDS2TJ102T	1K 1/4W
R358	ERDS2TJ102T	1K 1/4W	R432	ERDS2TJ102T	1K 1/4W	R516	ERDS2TJ474T	470K 1/4W	R553	ERDS2TJ104T	100K 1/4W
R359	ERDS2TJ182T	1.8K 1/4W	R433	ERDS2TJ471T	470 1/4W	R517	ERDS2TJ332T	3.3K 1/4W	R554	ERDS2TJ104T	100K 1/4W
R360	ERDS2TJ182T	1.8K 1/4W	R434	ERDS2TJ471T	470 1/4W	R518	ERDS2TJ332T	3.3K 1/4W	R555	ERDS2TJ223T	22K 1/4W
R361	ERD2FCVG220T	22 1/4W	R435	ERDS2TJ471T	470 1/4W	R519	ERDS2TJ182T	1.8K 1/4W	R556	ERDS2TJ223T	22K 1/4W
R362	ERD2FCVG220T	22 1/4W	R436	ERDS2TJ471T	470 1/4W	R520	ERDS2TJ182T	1.8K 1/4W	R557	ERDS2TJ681T	680 1/4W
R401	ERDS2TJ102T	1K 1/4W	R451	ERDS2TJ224T	220K 1/4W	R521	ERDS2TJ223T	22K 1/4W	R558	ERDS2TJ681T	680 1/4W
R402	ERDS2TJ102T	1K 1/4W	R452	ERDS2TJ224T	220K 1/4W	R522	ERDS2TJ223T	22K 1/4W	R561	ERDS2TJ332T	3.3K 1/4W
R405	ERDS2TJ102T	1K 1/4W	R453	ERDS2TJ821T	820 1/4W	R523	ERDS2TJ472T	4.7K 1/4W	R562	ERDS2TJ332T	3.3K 1/4W
R406	ERDS2TJ102T	1K 1/4W	R454	ERDS2TJ821T	820 1/4W	R524	ERDS2TJ472T	4.7K 1/4W	R564	ERDS2TJ103T	10K 1/4W
R407	ERDS2TJ102T	1K 1/4W	R455	ERDS2TJ563T	56K 1/4W	R525	ERDS2TJ222T	2.2K 1/4W	R565	ERDS2TJ102T	1K 1/4W
R408	ERDS2TJ102T	1K 1/4W	R456	ERDS2TJ563T	56K 1/4W	R526	ERDS2TJ222T	2.2K 1/4W	R566	ERDS2TJ102T	1K 1/4W
R409	ERDS2TJ102T	1K 1/4W	R457	ERDS2TJ271T	270 1/4W	R527	ERDS2TJ122T	1.2K 1/4W	R583	ERDS2TJ102T	1K 1/4W
R410	ERDS2TJ102T	1K 1/4W	R458	ERDS2TJ271T	270 1/4W	R528	ERDS2TJ122T	1.2K 1/4W	R584	ERDS2TJ102T	1K 1/4W
R411	ERDS2TJ102T	1K 1/4W	R459	ERDS2TJ680T	68 1/4W	R529	ERDS2TJ273T	27K 1/4W	R585	ERDS2TJ102T	1K 1/4W
R412	ERDS2TJ102T	1K 1/4W	R460	ERDS2TJ680T	68 1/4W	R530	ERDS2TJ273T	27K 1/4W	R586	ERDS2TJ102T	1K 1/4W
R413	ERDS2TJ102T	1K 1/4W	R461	ERDS2TJ184T	180K 1/4W	R531	ERDS2TJ332T	3.3K 1/4W	R587	ERDS2TJ102T	1K 1/4W
R414	ERDS2TJ102T	1K 1/4W	R462	ERDS2TJ184T	180K 1/4W	R532	ERDS2TJ332T	3.3K 1/4W	R588	ERDS2TJ102T	1K 1/4W
R415	ERDS2TJ102T	1K 1/4W	R463	ERDS2TJ123T	12K 1/4W	R533	ERDS2TJ473T	47K 1/4W	R589	ERDS2TJ472T	4.7K 1/4W
R416	ERDS2TJ102T	1K 1/4W	R464	ERDS2TJ123T	12K 1/4W	R534	ERDS2TJ473T	47K 1/4W	R590	ERDS2TJ473T	47K 1/4W
R417	ERDS2TJ473T	47K 1/4W	R465	ERDS2TJ563T	56K 1/4W	R537	ERDS2TJ224T	220K 1/4W	R591	ERDS2TJ222T	2.2K 1/4W
R418	ERDS2TJ473T	47K 1/4W	R466	ERDS2TJ563T	56K 1/4W	R538	ERDS2TJ224T	220K 1/4W	R592	ERDS2TJ222T	2.2K 1/4W
R419	ERDS2TJ104T	100K 1/4W	R467	ERDS2TJ102T	1K 1/4W	R539	ERDS2TJ272T	2.7K 1/4W	R601	ERDS2TJ102T	1K 1/4W

Ref No.	Part No.	Values & Remarks	Ref No.	Part No.	Values & Remarks	Ref No.	Part No.	Values & Remarks	Ref No.	Part No.	Values & Remarks
R602	ERDS2TJ102T	1K 1/4W	R665	ERDS2TJ184T	180K 1/4W	R722	ERDS2TJ822T	8.2K 1/4W	R808	ERDS2TJ682T	6.8K 1/4W
R603	ERDS2TJ563T	56K 1/4W	R666	ERDS2TJ154T	150K 1/4W	R723	ERDS1FVJ100T	10 1/2W	R809	ERDS2TJ824T	820K 1/4W
R604	ERDS2TJ563T	56K 1/4W	R667	ERDS2TJ473T	47K 1/4W	R724	ERDS1FVJ100T	10 1/2W	R810	ERDS2TJ824T	820K 1/4W
R605	ERDS2TJ182T	1.8K 1/4W	R668	ERDS2TJ473T	47K 1/4W	R725	ERDS2TJ122T	1.2K 1/4W	R811	ERDS2TJ223T	22K 1/4W
R606	ERDS2TJ182T	1.8K 1/4W	R669	ERDS2TJ223T	22K 1/4W	R726	ERD25FVJ331T	330 1/4W	R812	ERDS2TJ823T	82K 1/4W
R607	ERDS2TJ563T	56K 1/4W	R670	ERD25FVJ220T	22 1/4W	R727	ERDS1FVJ681T	680 1/2W	R901	ERDS2TJ102T	1K 1/4W
R608	ERDS2TJ563T	56K 1/4W	R671	ERDS2TJ473T	47K 1/4W	R730	ERDS1FVJ5R6T	5.6 1/2W	R906	ERDS2TJ104T	100K 1/4W
R609	ERDS2TJ470T	47 1/4W	R672	ERDS2TJ224T	220K 1/4W	R731	ERD25FVJ180T	18 1/4W	R907	ERDS2TJ104T	100K 1/4W
R610	ERDS2TJ470T	47 1/4W	R673	ERDS2TJ684T	680K 1/4W	R732	ERDS2TJ273T	27K 1/4W	R908	ERDS2TJ104T	100K 1/4W
R611	ERDS1FVJ100T	10 1/2W	R674	ERDS2TJ563T	56K 1/4W	R733	ERDS2TJ473T	47K 1/4W	R909	ERDS2TJ104T	100K 1/4W
R612	ERDS1FVJ100T	10 1/2W	R675	ERDS2TJ563T	56K 1/4W	R734	ERDS2TJ822T	8.2K 1/4W	R910	ERDS2TJ102T	1K 1/4W
R613	ERDS2TJ102T	1K 1/4W	R676	ERDS2TJ682T	6.8K 1/4W	R735	ERDS2TJ222T	2.2K 1/4W	R911	ERDS2TJ104T	100K 1/4W
R614	ERDS2TJ102T	1K 1/4W	R678	ERDS1FVJ391T	390 1/2W	R736	ERD25FVJ221T	220 1/4W	R912	ERDS2TJ103T	10K 1/4W
R615	ERDS2TJ184T	180K 1/4W	R679	ERD25FVJ470T	47 1/4W	R737	ERDS2TJ104T	100K 1/4W	R914	ERDS2TJ274T	270K 1/4W
R616	ERDS2TJ154T	150K 1/4W	R680	ERD25FVJ470T	47 1/4W	R738	ERDS2TJ183T	18K 1/4W	R917	ERDS2TJ103T	10K 1/4W
R617	ERDS2TJ473T	47K 1/4W	R681	ERDS2TJ270T	27 1/4W	R739	ERDS2TJ103T	10K 1/4W	R920	ERDS2TJ271T	270 1/4W
R618	ERDS2TJ473T	47K 1/4W	R682	ERDS2TJ270T	27 1/4W	R740	ERDS2TJ393T	39K 1/4W	R921	ERDS2TJ121T	120 1/4W
R619	ERDS2TJ223T	22K 1/4W	R683	ERDS2TJ270T	27 1/4W	R741	ERD25FVJ180T	18 1/4W	R922	ERDS2TJ472T	4.7K 1/4W
R620	ERD25FVJ220T	22 1/4W	R684	ERDS2TJ270T	27 1/4W	R742	ERD25FJ181	180 1/4W	R929	ERDS2TJ101T	100 1/4W
R621	ERDS2TJ473T	47K 1/4W	R685	ERDS2TJ270T	27 1/4W	R743	ERDS2TJ102T	1K 1/4W	R930	ERDS2TJ101T	100 1/4W
R622	ERDS2TJ184T	180K 1/4W	R686	ERDS2TJ270T	27 1/4W	R744	ERDS2TJ563T	56K 1/4W	R931	ERDS2TJ221T	220 1/4W
R623	ERDS2TJ684T	680K 1/4W	R687	ERDS2TJ270T	27 1/4W	R745	ERDS2TJ124T	120K 1/4W	R932	ERDS2TJ102T	1K 1/4W
R624	ERDS2TJ563T	56K 1/4W	R688	ERDS2TJ270T	27 1/4W	R752	ERDS2TJ102T	1K 1/4W	R936	ERDS2TJ102T	1K 1/4W
R625	ERDS2TJ563T	56K 1/4W	R689	ERDS2TJ270T	27 1/4W	R754	ERDS2TJ102T	1K 1/4W	R937	ERDS2TJ102T	1K 1/4W
R626	ERDS2TJ682T	6.8K 1/4W	R690	ERDS2TJ270T	27 1/4W	R772	ERDS2TJ104T	100K 1/4W	R946	ERDS2TJ103T	10K 1/4W
R628	ERDS1FVJ391T	390 1/2W	R691	ERDS2TJ270T	27 1/4W	R773	ERDS2TJ103T	10K 1/4W	R947	ERDS2TJ103T	10K 1/4W
R632	ERDS2TJ223T	22K 1/4W	R692	ERDS2TJ270T	27 1/4W	R774	ERDS2TJ223T	22K 1/4W	R948	ERDS2TJ103T	10K 1/4W
R637	ERG1SJ101E	100 1W	R693	ERDS2TJ270T	27 1/4W	R775	ERDS2TJ472T	4.7K 1/4W	R949	ERDS2TJ103T	10K 1/4W
R638	ERG1SJ101E	100 1W	R694	ERDS2TJ270T	27 1/4W	R777	ERDS2TJ150T	15 1/4W	R960	ERDS2TJ102T	1K 1/4W
R639	ERG1SJ101E	100 1W	R695	ERDS2TJ102T	1K 1/4W	R778	ERDS2TJ222T	2.2K 1/4W	R961	ERDS2TJ122T	1.2K 1/4W
R640	ERG1SJ101E	100 1W	R696	ERDS2TJ102T	1K 1/4W	R779	ERDS2TJ103T	10K 1/4W	R962	ERDS2TJ152T	1.5K 1/4W
R641	ERDS2TJ684T	680K 1/4W	R697	ERDS2TJ221T	220 1/4W	R780	ERDS2TJ473T	47K 1/4W	R963	ERDS2TJ182T	1.8K 1/4W
R647	ERDS2TJ221T	220 1/4W	R698	ERDS2TJ221T	220 1/4W	R781	ERDS2TJ473T	47K 1/4W	R964	ERDS2TJ222T	2.2K 1/4W
R648	ERDS2TJ221T	220 1/4W	R699	ERDS2TJ332T	3.3K 1/4W	R782	ERDS2TJ153T	15K 1/4W	R965	ERDS2TJ332T	3.3K 1/4W
R651	ERDS2TJ102T	1K 1/4W	R703	ERDS1FVJ3R9T	3.9 1/2W	R783	ERDS2TJ103T	10K 1/4W	R966	ERDS2TJ472T	4.7K 1/4W
R652	ERDS2TJ102T	1K 1/4W	R704	ERDS1FVJ3R9T	3.9 1/2W	R784	ERDS2TJ335T	3.3M 1/4W	R967	ERDS2TJ682T	6.8K 1/4W
R653	ERDS2TJ563T	56K 1/4W	R705	ERDS2TJ472T	4.7K 1/4W	R791	ERDS2TJ223T	22K 1/4W	R968	ERDS2TJ123T	12K 1/4W
R654	ERDS2TJ563T	56K 1/4W	R706	ERDS2TJ102T	1K 1/4W	R792	ERDS2TJ223T	22K 1/4W	R980	ERDS2TJ102T	1K 1/4W
R655	ERDS2TJ182T	1.8K 1/4W	R707	ERD25FVJ221T	220 1/4W	R795	ERDS2TJ223T	22K 1/4W	R981	ERDS2TJ122T	1.2K 1/4W
R656	ERDS2TJ182T	1.8K 1/4W	R708	ERDS2TJ472T	4.7K 1/4W	R796	ERDS2TJ223T	22K 1/4W	R982	ERDS2TJ152T	1.5K 1/4W
R657	ERDS2TJ563T	56K 1/4W	R709	ERDS2TJ1R5T	1.5 1/4W	R797	ERDS2TJ682T	6.8K 1/4W	R983	ERDS2TJ182T	1.8K 1/4W
R658	ERDS2TJ563T	56K 1/4W	R710	ERDS2TJ1R5T	1.5 1/4W	R801	ERDS2TJ471T	470 1/4W	R984	ERDS2TJ222T	2.2K 1/4W
R659	ERDS2TJ470T	47 1/4W	R711	ERDS2TJ752T	7.5K 1/4W	R802	ERDS2TJ471T	470 1/4W	R985	ERDS2TJ332T	3.3K 1/4W
R660	ERDS2TJ470T	47 1/4W	R712	ERDS2TJ682T	6.8K 1/4W	R803	ERDS2TJ102T	1K 1/4W	R986	ERDS2TJ472T	4.7K 1/4W
R661	ERDS1FVJ100T	10 1/2W	R715	ERDS2TJ182T	1.8K 1/4W	R804	ERDS2TJ102T	1K 1/4W	R987	ERDS2TJ682T	6.8K 1/4W
R662	ERDS1FVJ100T	10 1/2W	R716	ERDS1FVJ100T	10 1/2W	R805	ERDS2TJ563T	56K 1/4W	R988	ERDS2TJ123T	12K 1/4W
R663	ERDS2TJ102T	1K 1/4W	R717	ERDS1FVJ100T	10 1/2W	R806	ERDS2TJ563T	56K 1/4W	R1001	ERDS2TJ102T	1K 1/4W
R664	ERDS2TJ102T	1K 1/4W	R721	ERDS1FVJ221T	220 1/2W	R807	ERDS2TJ682T	6.8K 1/4W	R1002	ERDS2TJ102T	1K 1/4W

Ref No.	Part No.	Values & Remarks	Ref No.	Part No.	Values & Remarks	Ref No.	Part No.	Values & Remarks	Ref No.	Part No.	Values & Remarks
R1003	ERDS2TJ102T	1K 1/4W	C416	ECBT1E103ZF5	0.01 25V	C518	ECBT1H220J5	22P 50V	C616	ECEA2AU100B	10 100V
R1004	ERDS2TJ102T	1K 1/4W	C417	ECBT1H101KB5	100P 50V	C519	ECEA1VKA4R7B	4.7 10V	C617	ECEA1JU220B	22 63V
R1005	ERDS2TJ203T	20K 1/4W	C418	ECBT1H101KB5	100P 50V	C520	ECEA1VKA4R7B	4.7 10V	C618	ECEA2AN2R2SB	2.2 100V
R1007	ERDS2TJ473T	47K 1/4W	C419	ECBT1H101KB5	100P 50V	C521	ECEA1VKA4R7B	4.7 10V	C619	ECBT1H102KB5	1000P 50V
R1008	ERDS2TJ473T	47K 1/4W	C420	ECBT1H101KB5	100P 50V	C522	ECEA1VKA4R7B	4.7 10V	C621	ECEA2AU100B	10 100V
R1009	ERDS2TJ332T	3.3K 1/4W	C421	ECBT1H101KB5	100P 50V	C523	ECFR1E123KR	0.012 25V	C622	ECEA2AU100B	10 100V
R1010	ERDS2TJ332T	3.3K 1/4W	C422	ECBT1H101KB5	100P 50V	C524	ECFR1E123KR	0.012 25V	C651	ECEA1HKN3R3B	3.3 50V
R1011	ERDS2TJ332T	3.3K 1/4W	C423	ECBT1H101KB5	100P 50V	C525	ECQV1H683JZ3	0.068 50V	C652	ECEA1HKN3R3B	3.3 50V
R1012	ERDS2TJ102T	1K 1/4W	C424	ECBT1H101KB5	100P 50V	C526	ECQV1H683JZ3	0.068 50V	C653	ECBT1H681KB5	680P 50V
R1013	ERDS2TJ103T	10K 1/4W	C425	ECBT1H101KB5	100P 50V	C527	ECBT1C562KR5	5600P 16V	C654	ECBT1H681KB5	680P 50V
R1014	ERDS2TJ104T	100K 1/4W	C426	ECBT1H101KB5	100P 50V	C528	ECBT1C562KR5	5600P 16V	C655	ECEA1JU220B	22 63V
R1051	ERDS2TJ393T	39K 1/4W	C427	ECBT1H101KB5	100P 50V	C529	ECQB1H273JF3	0.027 50V	C656	ECEA1JU220B	22 63V
R1052	ERDS2TJ105T	1M 1/4W	C428	ECBT1H101KB5	100P 50V	C530	ECQB1H273JF3	0.027 50V	C657	ECCR1H100K5	10P 50V
R1053	ERDS2TJ102T	1K 1/4W	C429	ECBT1H101KB5	100P 50V	C531	ECBT1E103ZF5	0.01 25V	C658	ECCR1H100K5	10P 50V
R1055	ERDS2TJ224T	220K 1/4W	C430	ECBT1H101KB5	100P 50V	C532	ECBT1E103ZF5	0.01 25V	C659	ECBT1H221KB5	220P 50V
R1056	ERDS2TJ153T	15K 1/4W	C431	ECEA1CU100B	10 16V	C533	ECEA1CKA100B	10 16V	C660	ECBT1H221KB5	220P 50V
R1061	ERDS2TJ222T	2.2K 1/4W	C432	ECEA1CU100B	10 16V	C534	ECEA1CKA100B	10 16V	C661	ECQV1H473JZ3	0.047 50V
R1062	ERDS2TJ273T	27K 1/4W	C433	ECBT1H101KB5	100P 50V	C536	ECBT1E103ZF5	0.01 25V	C662	ECQV1H473JZ3	0.047 50V
R1063	ERDS2TJ332T	3.3K 1/4W	C434	ECBT1H101KB5	100P 50V	C537	ECEA1HU3R3B	3.3 50V	C663	ECBT1H681KB5	680P 50V
R1081	ERDS2TJ104T	100K 1/4W	C435	ECBT1H101KB5	100P 50V	C538	ECEA1HU3R3B	3.3 50V	C664	ECBT1H681KB5	680P 50V
R1082	ERDS2TJ474T	470K 1/4W	C436	ECBT1H101KB5	100P 50V	C551	ECEA1HKA3R3B	3.3 50V	C665	ECEA1JU330	33 63V
			C451	ECEA1VKA4R7B	4.7 10V	C552	ECEA1HKA3R3B	3.3 50V	C666	ECEA2AU100B	10 100V
			C452	ECEA1VKA4R7B	4.7 10V	C553	ECBT1H101KB5	100P 50V	C667	ECEA1JU220B	22 63V
			C453	ECBT1H101KB5	100P 50V	C554	ECBT1H101KB5	100P 50V	C668	ECEA2AN2R2SB	2.2 100V
			C454	ECBT1H101KB5	100P 50V	C555	ECBT1H221KB5	220P 50V	C669	ECBT1H102KB5	1000P 50V
			C455	ECBT1H102KB5	1000P 50V	C556	ECBT1H221KB5	220P 50V	C671	ECEA2AU100B	10 100V
			C456	ECBT1H102KB5	1000P 50V	C557	ECBT1E103ZF5	0.01 25V	C672	ECEA2AU100B	10 100V
			C457	ECEA1AKA330B	33 10V	C558	ECBT1E103ZF5	0.01 25V	C681	ECEA1HN100SB	10 50V
			C458	ECEA1AKA330B	33 10V	C559	ECEA1CKA100B	10 16V	C682	ECEA1HN100SB	10 50V
			C459	ECFR1E223KR	0.022 25V	C560	ECEA1CKA100B	10 16V	C685	ECBT1E103ZF5	0.01 25V
			C460	ECFR1E223KR	0.022 25V	C563	ECBT1E103ZF5	0.01 25V	C701	ECBT1E103ZF5	0.01 25V
			C461	ECFR1E682KR	6800P 25V	C583	ECEA0JKA470B	47 6.3V	C702	ECQE2104KF3	0.1 1
			C462	ECFR1E682KR	6800P 25V	C584	ECEA0JKA470B	47 6.3V	C703	ECES1KV752UX	7500 100V(MAV)⚡
			C463	ECEA1VKA4R7B	4.7 10V	C601	ECEA1HKN3R3B	3.3 50V	C704	ECES1KV752UX	7500 100V(MAV)⚡
			C464	ECEA1VKA4R7B	4.7 10V	C602	ECEA1HKN3R3B	3.3 50V	C705	ECEA1HM332EV	3300 50V(M)⚡
			C465	ECBT1E103ZF5	0.01 25V	C603	ECBT1H331KB5	330P 50V	C706	ECEA1HM332EV	3300 50V(M)⚡
			C466	ECBT1E103ZF5	0.01 25V	C604	ECBT1H331KB5	330P 50V	C707	ECA1VM101B	100P 10V
			C503	ECEA0JKA101B	100 6.3V	C605	ECEA1JU220B	22 63V	C708	ECCR1H103ZF5	0.01 50V
			C504	ECEA0JKA101B	100 6.3V	C606	ECEA1JU220B	22 63V	C709	ECEA1CKA330B	33 16V
			C505	ECFR1C104MR	0.1 16V	C607	ECCR1H100K5	10P 50V	C710	ECBT1E103ZF5	0.01 25V
			C506	ECFR1C104MR	0.1 16V	C608	ECCR1H100K5	10P 50V	C711	ECCR1H103ZF5	0.01 50V
			C511	ECEA1HKA3R3B	3.3 50V	C609	ECBT1H221KB5	220P 50V	C712	ECEA1HKA100B	10 50V
			C512	ECEA1HKA3R3B	3.3 50V	C610	ECBT1H221KB5	220P 50V	C713	ECBT1E103ZF5	0.01 25V
			C513	ECBT1H150J5	15P 50V	C611	ECQV1H473JZ3	0.047 50V	C714	ECEA1EKA470B	47 25V
			C514	ECBT1H150J5	15P 50V	C612	ECQV1H473JZ3	0.047 50V	C715	ECEA1CKA101B	100 16V
			C515	ECBT1H221KB5	220P 50V	C613	ECBT1H681KB5	680P 50V	C721	ECQE2104KF3	0.1 250V
			C516	ECBT1H221KB5	220P 50V	C614	ECBT1H681KB5	680P 50V	C731	ECEA1HKN101B	1 50V
			C517	ECBT1H220J5	22P 50V	C615	ECEA1JU330	33 63V	C751	ECKWNS102MBM	0.001 400V⚡
C1	ECCR1H473ZF5	0.047 50V									
C2	ECCR1H473ZF5	0.047 50V									
C351	ECEA1CKA220B	22 16V									
C352	ECEA1CKA220B	22 16V									
C353	ECBT1H470J5	47P 50V									
C354	ECBT1H470J5	47P 50V									
C355	ECBT1E103ZF5	0.01 25V									
C356	ECBT1E103ZF5	0.01 25V									
C357	ECEA0JKA470B	47 6.3V									
C358	ECEA0JKA470B	47 6.3V									
C359	ECBT1E103ZF5	0.01 25V									
C360	ECBT1E103ZF5	0.01 25V									
C401	ECEA1VKA4R7B	4.7 10V									
C402	ECEA1VKA4R7B	4.7 10V									
C403	ECBT1E103ZF5	0.01 25V									
C404	ECBT1E103ZF5	0.01 25V									
C405	ECBT1H101KB5	100P 50V									
C409	ECEA1EKA220B	22 25V									
C410	ECEA1EKA220B	22 25V									
C411	ECBT1H101KB5	100P 50V									
C412	ECBT1H101KB5	100P 50V									
C413	ECEA1CU100B	10 16V									
C414	ECEA1CU100B	10 16V									
C415	ECBT1E103ZF5	0.01 25V									

Ref No.	Part No.	Values & Remarks	Ref No.	Part No.	Values & Remarks	Ref No.	Part No.	Values & Remarks	Ref No.	Part No.	Values & Remarks
C752	ECKR1H103ZF5	0.01 50V	C916	ECEA1HKA010B	1 50V	C1009	ECEA0JU221B	220 6.3V	C1037	ECBT1H101KB5	100P 50V
C753	ECA1EM102B	1000P 25V	C919	ECBT1H104ZF5	0.1 50V	C1010	ECEA1CKA100B	10 16V	C1038	ECBT1H101KB5	100P 50V
C754	ECBT1E103ZF5	0.01 25V	C920	ECEA1HKA010B	1 50V	C1011	ECEA1CKA100B	10 16V	C1039	ECEA1CU101B	100 16V
C755	ECEA1CU470B	47 16V	C921	ECBT1H331KB5	330P 50V	C1012	ECEA1CKA100B	10 16V	C1040	ECEA1CKA100B	10 16V
C757	ECEA1CU100B	10 16V	C922	ECBT1H331KB5	330P 50V	C1013	ECEA1CKA100B	10 16V	C1041	ECBT1E103ZF5	0.01 25V
C758	ECEA1AU101B	100 10V	C923	ECBT1H331KB5	330P 50V	C1014	ECEA0JU221B	220 6.3V	C1043	ECEA1CKA100B	10 16V
C771	ECEA1HKA2R2B	2.2 50V	C924	ECBT1H331KB5	330P 50V	C1015	ECQV1H104JZ3	0.1 50V	C1044	ECEA1CKA100B	10 16V
C772	ECEA1CU100B	10 16V	C925	ECBT1H331KB5	330P 50V	C1016	ECQV1H104JZ3	0.1 50V	C1051	ECEA1HKA2R2B	2.2 50V
C773	ECBT1E223ZF5	0.022 25V	C926	ECBT1H331KB5	330P 50V	C1017	ECEA1HKA4R7B	0.47 50V	C1052	ECEA1HKA010B	1 50V
C774	ECEA0JU221B	220 6.3V	C927	ECBT1H331KB5	330P 50V	C1018	ECEA1HKA4R7B	4.7 50V	C1053	ECEA1HKA3R3B	3.3 50V
C801	ECQV1H104JZ3	0.1 50V	C928	ECBT1H331KB5	330P 50V	C1019	ECEA1HKA4R7B	0.47 50V	C1054	ECEA0JU221B	220 6.3V
C802	ECQV1H104JZ3	0.1 50V	C929	ECBT1H331KB5	330P 50V	C1020	ECEA1HKA4R7B	4.7 50V	C1055	ECEA1HKA010B	1 50V
C803	ECQV1H104JZ3	0.1 50V	C930	ECBT1H331KB5	330P 50V	C1021	ECEA1HKA15B	0.15 50V	C1056	ECFR1E563KR	0.056 25V
C804	ECQV1H104JZ3	0.1 50V	C934	ECBT1E103ZF5	0.01 25V	C1022	ECEA1HKA3R3B	3.3 50V	C1057	ECFR1E152KR	1500P 25V
C805	ECEA1CKA100B	10 16V	C935	ECBT1E103ZF5	0.01 25V	C1023	ECQV1H154JZ3	0.15 50V	C1058	ECFR1E563KR	0.056 25V
C806	ECEA1CKA100B	10 16V	C938	ECBT1E103ZF5	0.01 25V	C1024	ECQV1H154JZ3	0.15 50V	C1059	ECEA1CKA101B	100 16V
C901	ECEA0JU102B	1000 6.3V	C940	ECBT1H102KB5	1000P 50V	C1025	ECEA1HKA3R3B	3.3 50V	C1060	ECBT1E223ZF5	0.022 25V
C902	ECBT1H104ZF5	0.1 50V	C941	ECBT1H102KB5	1000P 50V	C1026	ECEA1HKA15B	0.15 50V	C1062	ECBT1E223ZF5	0.022 25V
C903	ECBT1E103ZF5	0.01 25V	C944	ECBT1H101KB5	100P 50V	C1027	ECEA1HKA4R7B	4.7 50V	C1063	ECEA1CKA101B	100 16V
C904	ECEA0JU102B	1000 6.3V	C948	ECBT1E103ZF5	0.01 25V	C1028	ECEA1HKA4R7B	0.47 50V	C1064	ECEA1HKA010B	1 50V
C906	ECEA0JKA101B	100 6.3V	C994	ECBT1H101KB5	100P 50V	C1029	ECEA1HKA4R7B	4.7 50V	C1065	ECBT1H681KB5	680P 50V
C908	ECBT1E103ZF5	0.01 25V	C1001	ECEA1HKA010B	1 50V	C1030	ECEA1HKA4R7B	0.47 50V	C1067	ECBT1C152KR5	1500P 16V
C909	ECEA1HKA220B	22 50V	C1002	ECEA1HKA010B	1 50V	C1031	ECQV1H104JZ3	0.1 50V	C1068	ECBT1C152KR5	1500P 16V
C910	ECEA1HKA220B	22 50V	C1003	ECEA1HKA3R3B	3.3 50V	C1032	ECQV1H104JZ3	0.1 50V	C1081	ECEA1HKA010B	1 50V
C911	ECEA1HKA220B	22 50V	C1004	ECEA1HKA3R3B	3.3 50V	C1033	ECEA0JKA470B	47 6.3V	C1082	ECBT1E223ZF5	0.022 25V
C912	ECEA1HKA220B	22 50V	C1005	ECEA1HKA010B	1 50V	C1034	ECQV1H474JZ3	0.47 50V			
C913	ECEA1VKA100B	10 10V	C1007	ECFR1E223KR	0.022 25V	C1035	ECBT1H681KB5	680P 50V			
C914	ECEA1VKA100B	10 10V	C1008	ECFR1E473KR	0.047 25V	C1036	ECBT1H101KB5	100P 50V			

■ Packaging

