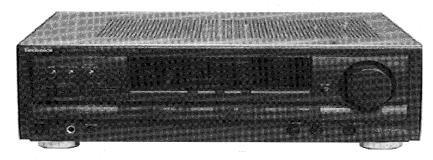
vice Manu

AV Control Stereo Receiver









Area

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

System No.: S085PC-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. "Dolby" and the double-D symbol are trademarks of Dolby Laboratories Licensing Corporation.

Specifications

FM Tuner Section

Frequency range 87.9 - 107.9 MHz Sensitivity 11.2 dBf (2 μV, IHF '58) 50 dB quieting sensitivity MONO 18.3 dBf (4.5 μV, IHF '58) STEREO 38.3 dBf (45 µV, IHF '58) Total harmonic distortion MONO 0.2% **STEREO** 0.3% S/N MONO 75 dB **STEREO** 70 dB Frequency response 20 Hz - 15 kHz, +1 dB, -2 dB Alternate channel selectivity 65 dB Capture ratio 1 dB Image rejection at 98 MHz 44 dB IF rejection at 98 MHz 80 dB Spurious response rejection at 98 MHz 75 dB **AM** suppression 50 dB Stereo separation 1 kHz 40 dB 10 kHz 30 dB Carrier leak 19 kHz -35 dB 38 kHz -50 dB

■ AM Tuner Section

Antenna terminal

Frequency range	530 – 1710 kHz
Sensitivity	20 μV, 330 μV/m
Selectivity	55 dB
Image rejection at 1000 kHz	40 dB
IF rejection at 1000 kHz	60 dB

75 Ω (unbalanced)

■ Video Section

Output voltage at 1 V input 1±0.1 Vp-p Maximum input voltage 1.5 Vp-p Input/output impedance 75Ω

Total harmonic distortion

■ Amplifier Section Rated minimum sine wave RMS power output 40 Hz - 20 kHz both channels driven 70 W per channel (8 Ω) 0.9% total harmonic distortion

1 kHz continuous power output both channels driven 0.9% total harmonic distortion 73 W per channel (8 Ω)

Rated power at 40 Hz - 20 kHz

 $0.9\% (8 \Omega)$ Half power at 1 kHz $0.07\% (8 \Omega)$

Power output at the Dolby Pro Logic operation

0.9% at 1 kHz, Front 2 x 70 W (8 Ω) Center 70 W (8 Ω) 70 W (8 Ω) Surround

(Surround speakers' total impedance) Low frequency damping factor $30 (8 \Omega)$ Load impedance

Front Ω 8 Center 8Ω Surround $4-8\Omega$ **SMPTE** intermodulation distortion 0.9%

Input sensitivity

0.4 mV (3 mV, IHF '66)

CD, TAPE MONITOR, VCR, TV/DVD

27 mV (200 mV, IHF '66)

Input impedance

PHONO 47 kΩ CD, TAPE MONITOR, VCR, TV/DVD 22 kΩ

Technics

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TREBLE

⚠ 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.

S/N (IHF A) PHONO	70 dB (78 dB, IHF '66)	
CD, TAPE MONITOR, VCR, TV/DVD	75 dB (83 dB, IHF '66)	
PHONO RIA CD. TAPE MONITOR, VCR, TV/DVD	AA standard curve ±0.8 dB	
, , ,	10 Hz – 60 kHz, ±3 dB	
Tone controls BASS	50 Hz, +10 dB to -10 dB	

Power supply Power consumption AC 120 V, 60 Hz Power consumption (In standby condition : 2W) Dimensions (W x H x D) 430 x 158 x 309 mm (16 15/16" x 511/32" x 125/32") Weight Notes: 1. Specifications are subject to change without notice.

2. Total harmonic distortion is measured by the digital spectrum analyzer.

 SAFETY PRECAUTIONS
 2

 BEFORE REPAIR AND ADJUSTMENT
 2

 PROTECTION CIRCUITRY
 2

 LINE-UPOF COMPONENTS
 3

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 REPLACEMENT PARTS LIST
 38 ~ 40

 PACKAGING
 40

 RESISTORS & CAPACITORS
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Weight and dimensions are approximate.

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

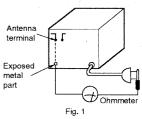
- 1. Before servicing, unplug the power cord to prevent an electric shock.
- 2. When replacing parts, use only manufacturer's recommended components for safety.
- 3. Check the condition of the power cord. Replace if wear or damage is evident.
- 4. After servicing, be sure to restore the lead dress, insulation barriers, insulation papers, shields, etc.

20 kHz, +10 dB to -10 dB

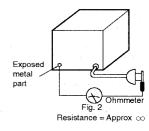
Before returning the serviced equipment to the customer, be sure to make the following insulation resistance test to prevent the customer from being exposed to a shock hazard.

• 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.



Resistance = $3M\Omega - 5.2M\Omega$



■ Before Repair and Adjustment

Disconnect AC power, discharge both Power Supply Capacitors (C703 to 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 120V, 60 Hz in NO SIGNAL mode should be 400 \sim 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:

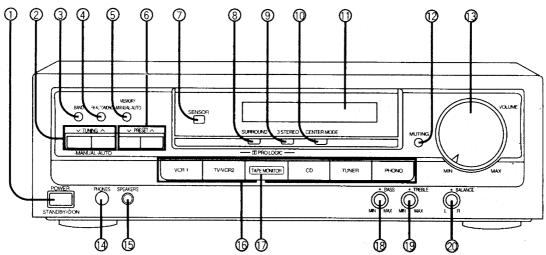
When the protection circuitry functions, the unit will not operate unless the power is first turned off and then on again.

■ Line-up of Components

System name	Sub-system name			Unit
S085PC-K	SD-S908PC-K	RS-TR180PP-K	:	Cassette Deck (Made in MESA)
		SL-PD665PP9-K	:	CD Changer (Made in MESA)
		SH-WA08PC-K : Accessories box (M		Accessories box (Made in MESA)
	-	SA-G67PP-K : Receiver (Made in MAV)		Receiver (Made in MAV)
		SB-A28PP-K	:	Front speaker (Made in MEP)
	SB-CSS380PP-K	SB-C938PP-K	:	Center speaker (Made in MEP)
		SB-S938PP-K	:	Surround speaker (Made in MEP)

■ Front Panel Controls

(CENTER MODE)



No. Name	No. Name
① Power "STANDBY ♢/ON" switch (POWER, STANDBY ✧/ON)	① Display
Press to switch the unit from on to standby mod In standby mode, the unit is still consuming a s power.	
power.	③ Volume control (VOLUME)
② Tuning buttons (TUNING)	Headphones jack (PHONES)
③ Band select button (BAND)	⑤ Speaker ON/OFF button (SPEAKERS
④ FM mode select button (FM AUTO/MONO)	(6) Input select buttons
⑤ Memory button (MEMORY)	⑦ Tape monitor button (TAPE MONITOR)
© Preset channel buttons (PRESET)	® Bass control (BASS)
Remote control signal sensor (SENS	
® Surround ON/OFF button (SURROUND)	② Balance control (BALANCE)
③ 3 stereo ON/OFF button (3 STEREO)	

■ Operation Checks and Main Component Replacement Procedures

"ATTENTION SERVICER" Some chassis components may have shape edges.

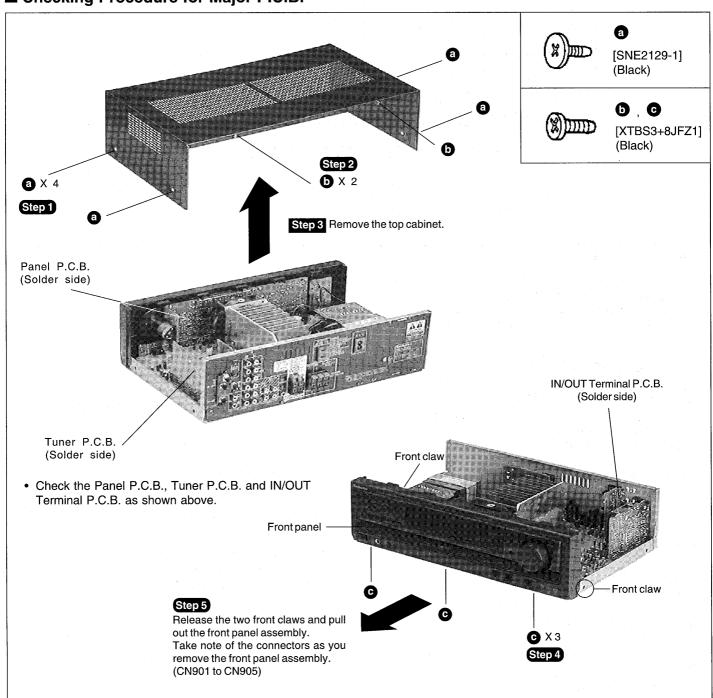
Be careful when disassembling and servicing.

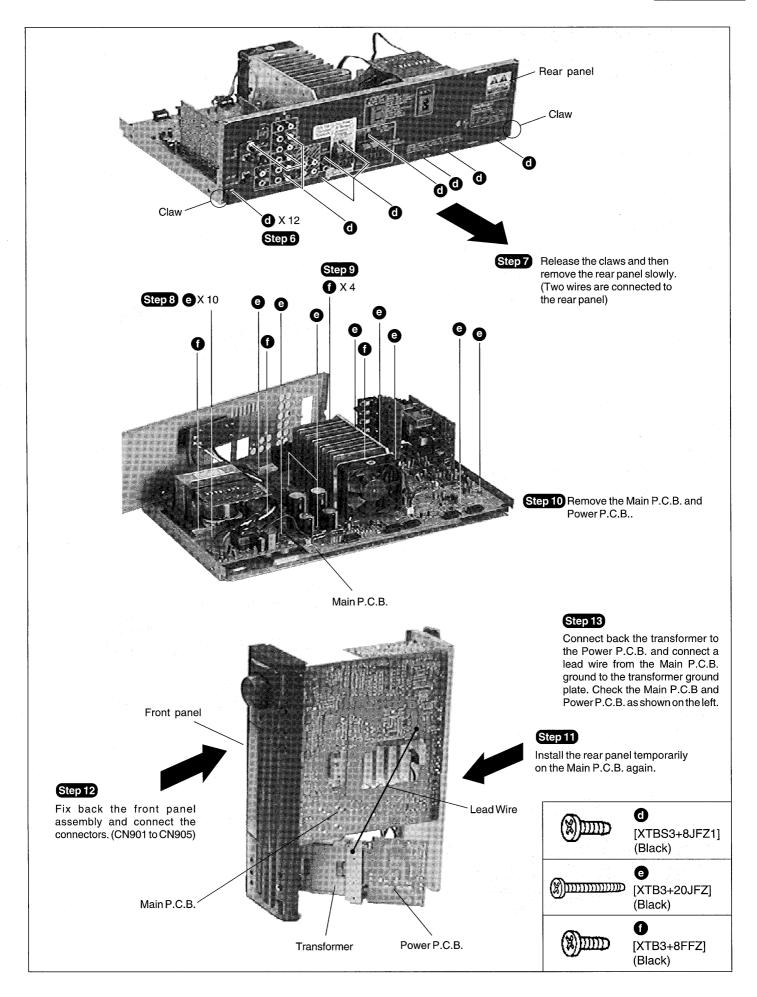
- 1. This section describes procedures for checking the operation of the major printed circuit boards and replacing the main components.
- 2. For reassembly after operation checks or replacement, reverse the respective procedures. Special reassembly procedures are described only when required.
- 3. Select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

 Contents 		page
A Chacking Procedure for	Major D C B	1 - 5

- Checking Procedure for Major P.C.B.
- Replacement of Power IC and Regulator Transistor

■ Checking Procedure for Major P.C.B.



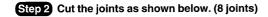


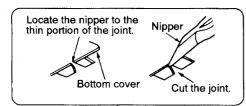
■ Main Component Replacement Procedures

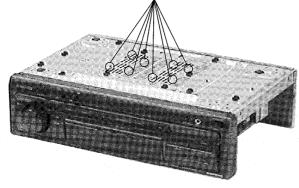
1. Replacement of the Power IC and Regulator Transistor

Step 1

Remove the top cabinet.

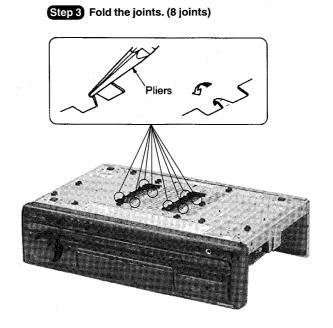


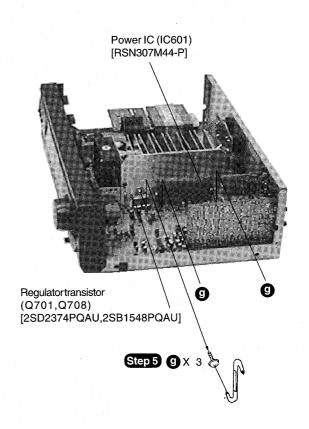












Align the ribs of bottom cover with lugs.

CAUTION

- After replacing the power IC or regulator transistor, apply a sufficient quantity of compound grease (RFKX0002/SZZ0L15) 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.
- 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)



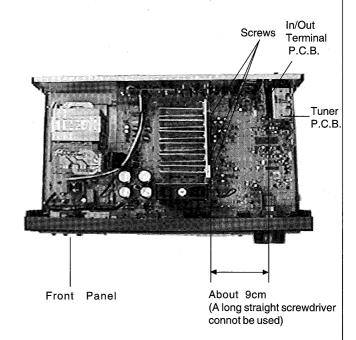
A short straight screwdriver

A short straight screwdriver

Fig.2

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.

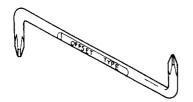


[XTB3+8J] (Black)

Fig.1

-OFFSET SCREWDRIVER-

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



No.	•	├ - L	
341⁄4	1 & 2	43/4"	

•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

Australia, New Zealand & South Pacific Stanley-Proto Industrial Tools P.O.Box 10 400 Whitehorse Road Nunrweding 3131 Victoria, Australia

Fax: 61-3-894-1173 Phone: 61-3-878-9244 Singapore, Indonesia, Philippines, Korea, Hong Kong, Malaysia, China. Stanley-Proto Asia Pacific 12 Gul Drive Singapore 2262

Fax: 65-861-3206 Phone: 65-862-0883

Thailand
Stanley-Proto Thailand Ltd.
1017 Moo 13 Bangkaew
Amphur Bangplee
Samutprakarn, Thailand
Fax: 66-2-316-6071
Phone: 66-2-316-8655

Japan Stanley Works Japan 2-7-16 Hyakunin-Cho Shinjuku-ku Tokyo 160 Japan

Fax: 81-3-3360-8456 Phone: 81-3-3360-8458

Mexico Herramientas Stanley S.A. DE C.V. Apartado Postal 675 72030 Puebla, Pue, Maxico

Fax: 52-22-494-4880 Phone: 52-22-495-300

South & Central America, Puerto Rico, The Caribbian Stanley Inter-America 2101 N.W. 84th Ave. Miami, Florida 33122 Fax: 305-594-4261 Phone: 305-591-3828 Europe Stanley-Proto Europe Woodside, Sheffield 539PD England

Fax: 44-742-739-038 Phone: 44-742-768-888

Canada Stanley-Proto Canada 1100 Corporate Drive Burlington, Ontorio Canada, L7L 5R6 Fax: 416-335-0075

Fax: 416-335-0075 Phone: 416-335-0075

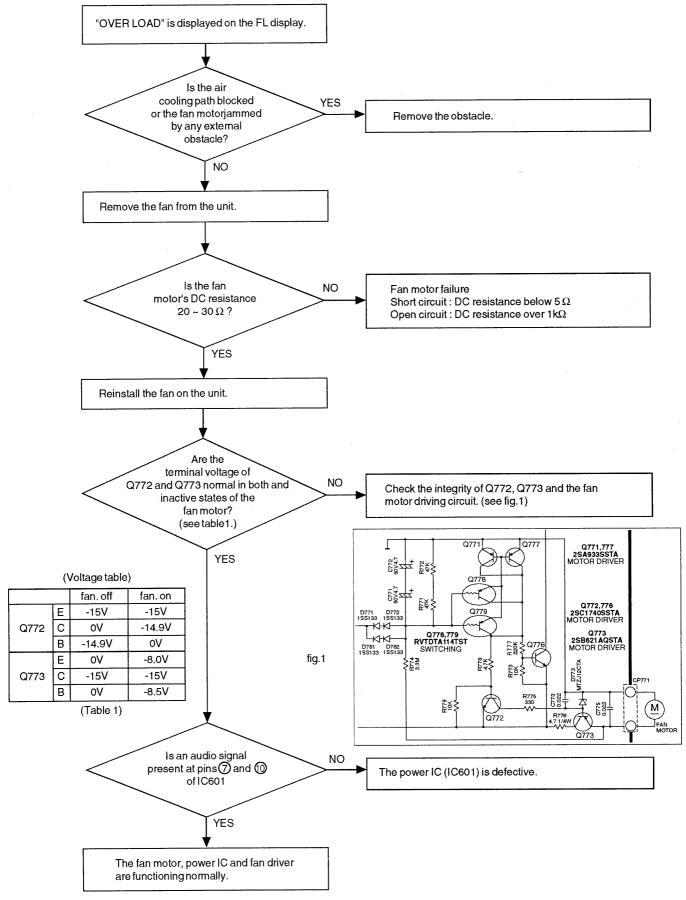
Middel East, Mediterranean & Africa Stanley-MEMA Cory House The RIng Bracknell Berkshire RG 12 1A2 England

Fax: 44-344-485-526 Phone: 44-344-51813

■ Fan Motor Troubleshooting

The Model SA-G67 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.

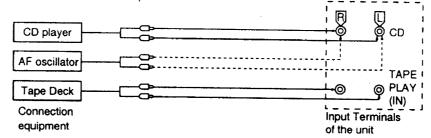


■ Troubleshooting

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

CONNECTION

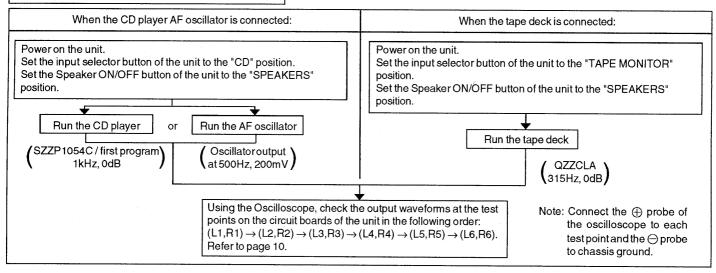
Connect either a CD player, tape deck or AF oscillator to the input terminals of the unit.



REQUIRED ITEMS

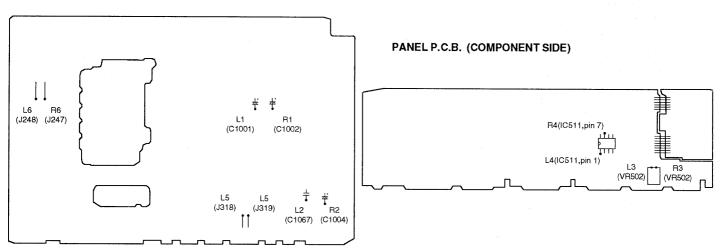
- 1. Testing with a CD player
- Test deck (SZZP1054C / first program, 1kHz, 0dB)
- 2. Testing with a tape deck
- Test tape (QZZCLA / 315Hz, 0dB)
- 3. Testing with a AF oscillator -
- Set the output at 500Hz, 200mV
- 4. Oscilloscope (min. 10MHz) -----
- To measure the output waveform at the test points.

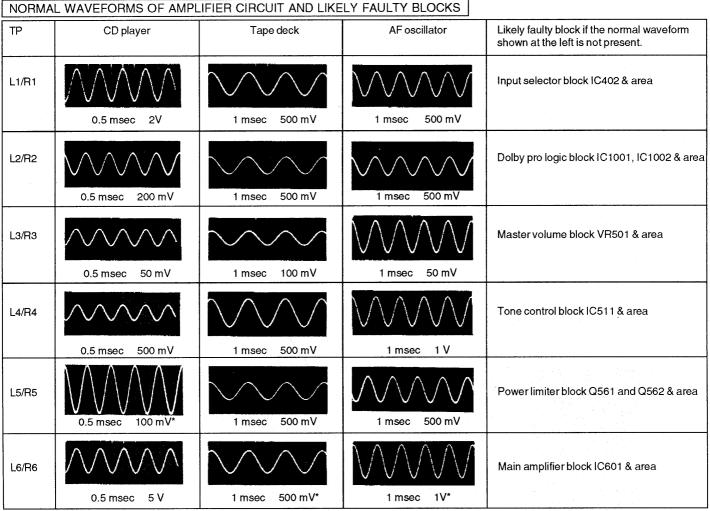
TEST PROCEDURE FOR AMPLIFIER CIRCUIT



TEST POINTS POSITIONS OF AMPLIFIER CIRCUIT

MAIN P.C.B. (COMPONENT SIDE)



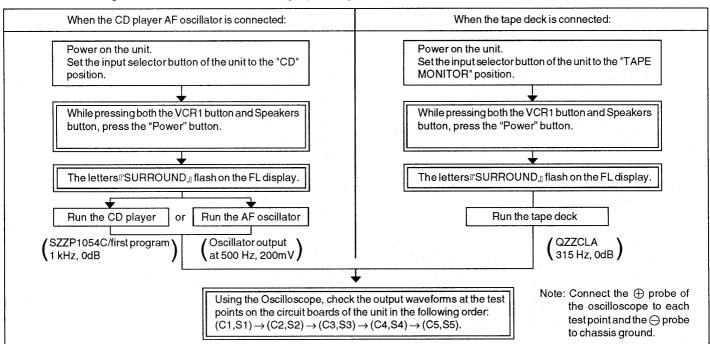


Measurement conditions. Volume control (VR501), Treble control (VR512) and Bass control (VR511) positions : O

*Volume control position (VR501) for these test : O

CHECKING PROCEDURE FOR SURROUND CIRCUIT

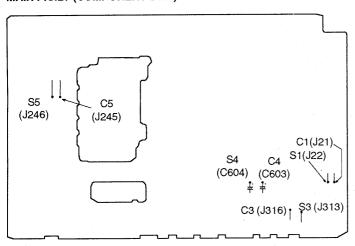
Outputting surround signals normally requires that opposite phase signals be applied to both the left and right channels. However, this unit incorporates a service mode, allowing the surround circuit to be tested using in-phase signals.



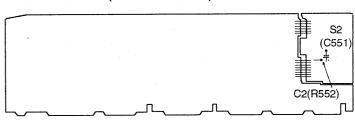
• To Exit the service mode, power off the unit.

TEST POINTS POSITIONS OF SURROUND CIRCUIT

MAIN P.C.B. (COMPONENT SIDE)



PANEL P.C.B. (COMPONENT SIDE)



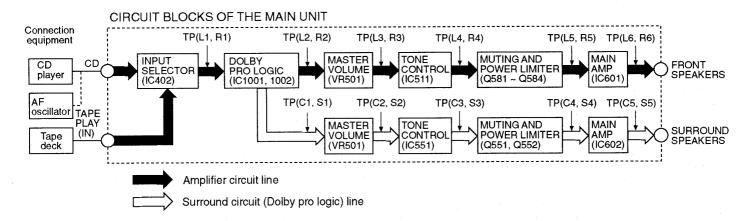
NORMAL WAVEFORMS OF SURROUND CIRCUIT AND LIKELY FAULTY BLOCKS

TP	CD player	Tape deck	AF oscillator	Likely faulty block if the normal waveform shown at the left is not present.
C1 S1	0.5 msec 1 V	1 msec 100 mV	1 msec 200 mV	Dolby pro logic block IC1001, IC1002 & area
C2 S2	0.5 msec 200 mV	1 msec 20 mV	1 msec 50 mV	Master volume block VR501 & area
C3	0.5 msec 5 V	1 msec 500 mV	1 msec 1 V	Tone control block IC551 & area
C4 S4	0.5 msec 5 V	1 msec 10 V	1 msec 1 V	Power limiter block through Q551, Q552 & area
C5 S5	0.5 msec 10 V*	1 msec 10 V	1 msec 20 V	Main amplifier block IC602 & area

Measurement conditions. Volume control (VR501), Treble control (VR512) and Bass control (VR511) positions : O

^{*}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, <code>@OVERLOAD_</code> scrolls across the FL display.

In this state, all keys remain inoperative; if any key is pressed, FSWITCH OFF POWER scrolls across the FL display.

If an overload occurs, immediately power off the unit and check the speaker connections, venting holes and cooling fans. After fixing any faults, power on the unit again and check for proper operation.

If no detects are found, or if the unit remains overloaded after it is power on again, check the circuit for faults.

■ Terminal Function of IC's

• IC901 (M38B53M4050F) System Microprocessor

Pin No.	Mark	1/0	Function	
1~4	KEY4~KEY1	1	Key matrix detect terminal	
5	THERM/OVLD	O/I	Mute control / Overload detect terminal	
6	FM_STEREO	ı	Stereo signal detect terminal	
7	6CH_ST	_	Not used	
8	RDS_ST	_	Not used	
9	REMOTE	ı	Remote control terminal	
10	RESET	ł	Reset detect terminal	
11	RDS_CK	-	Not used	
12	RDS_DT	-	Not used	
13	GND	-	GND terminal	
14	XIN	1	Crystal oscillator terminal	
15	XOUT	0	(4MHz)	
16	VDD.	- 1	Power supply terminal	
17~21	SFC5-SFC1	_	Not used	
22	HOLD	.1	Hold signal input terminal	
23	STANDBY_LED	_	Not used	
24	FAN_STOP	-	Not used	
25	RLY	0	Relay control terminal	
26	TV/VCR2	_	Not used	
27	LIMITTER	_	Not used	
28	VEE	1	Power supply terminal	
29	S/C_SP	0	Surround/center speaker select control terminal	
30	SP_B	_	Not used	
31	SP_A	0	speaker select control terminal	
32	AF_MUTE	0	Mute control terminal	
33~48	SEG16-SEG1	0	Segment signal of FL display	

Pin No.	Mark	1/0	Function	
49~58	DEG1-DEG10	0	Digit signal of FL display	
59	INIT_IN	_	Not used, connect to resistor	
60	VOL_DOWN	0	Rotate control terminal of	
61	VOL_UP	0	volume motor	
62	LOUDNESS	_	Not used	
63	IF_DATA	1	Serial data signal	
64	REC_MUTE		Not used	
65	TNR_CE	0	Chip enable signal	
66	SEL/TNR_CK	0	Serial clock signal	
67	SEL/TNR_DT	0	Serial data signal	
68	SEL_ST	0	Level shift control terminal	
69	OSD_ST	_	Not used	
70	SURR/OSD_CK	0	Serial clock signal	
71	SURR/OSD_DT	0	Serial data signal	
72	SURR_CE	0	Chip enable signal	
73	AVSS	ı	Power supply terminal	
74	VREF	1	Power supply terminal	
75	SD	1	Received signal detect terminal	
76	AC3_LED	_	Not used	
77	HELP_LED	-	Not used	
78	VIDEO_DET		Not used	
79	VIDEO_B	0	Video selector control terminal	
80	VIDEO_A	0		

■ Measurements and Adjustments

• AM-IF ALIGNMENT

	SIGNAL GENERATOR or SWEEP GENERATOR		INDICATOR (ELECTRONIC VOLTMETER or	ADJUSTMENT (Shown in Fig. 1)	REMARKS
CONNECTIONS	FREQUENCY		OSCILLOSCOPE)	(3.1)	
Fashion a loop of several turns of wire and radiate a signal into the loop ant. of receiver.	30 % Mod.	Point of non- interference.(on/ about 600kHz)	Headphone Jack (32Ω) Fabricate the plug as shown in Fig.2 and then connect the lead wires of the plug to the measuring instrument.	Z102 (AM IFT)	Adjust for maximum output.

• AM-RF ALIGNMENT

II	530kHz	Tuning capacitor fully closed.	П	Z101 (AM OSC Coil)	Adjust for maximum output.
II.	610kHz	Tune to signal		Z101 (AM ANT Coil)	Adjust for maximum output.

• Alignment Points

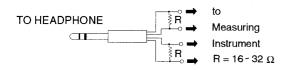


Fig. 2

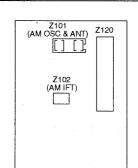
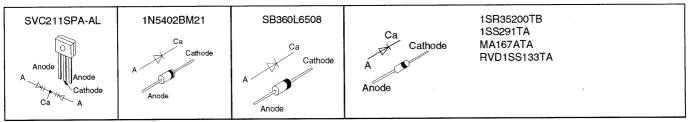


Fig. 1

■ Terminal Guide of IC's, Transistors and Diodes

LA2786L (42 PIN)	LA1832A LC7218	TC9163AN	LV1016L	NJM2279D	M5218AP
No. 1	1 13	28 per server 15	24 merennen min 13 24 merennen m	14 per 8	8 5 1
AN6558F UPC4570C	BA6218	M38B53M4050F (65 PIN)	RSN307M44-P	2SB1548PQAU 2SD2374PQAU	2SC3311ARTA
8 5 1		No. 1	28	BCE	B C
2SD592AQRTA 2SA992EFTA 2SB621AQSTA		2SA933SSTA	2SK544F-AC	2SC3940AQSTA	2SC1417PQTA 2SD2137PQTA
2SC3311AQSTA	B _C E	2SC1740SSTA RVTDTA114EST RVTDTA114TST RVTDTC114YST	G S D	E C B	B C E
BCE	2SC1740SSTA 2SC2785FETA 2SC2786MTA 2SC2787FL1TA 2SC2785FETA	2SC2786MTA 2SC2787LTA 2SD1915FTA RVTDTC143XST RVTDTA113ZST	Ca Cathode A Anode	MTZJ10CTA MTZJ12CTA MTZJ15CTA MTZJ24DTA MTZJ27DTA MTZJ3R9ATA	MTZJ4R7BTA MTZJ5R1BTA MTZJ5R6BTA MTZJ6R2BTA MTZJ6R8BTA MTZJ7R5CTA

■ Terminal Guide of IC's, Transistors and Diodes (continue)



Schematic Diagram

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

< for Power Switch circuit > (Page 25)

Power switch · S946 · S950 FM Auto / Mono switch Band select switch S951 Tuning decrease switch • S952 Tuning increase switch S953

< for Panel circuit and Volume circuit > (Page 19 ~ 20)

Phono select switch S947 • S948 Muting switch

Memory manual/auto switch S955 • S956 Preset decrease switch Preset increase switch • S957

S960

 S961 S962 S963 S964 S970

 S972 S974 S980 VR501-1 ~ VR501-4 VR502

• VR511-1 ~ VR511-2 • VR512-1 ~ VR512-2

Tuner select switch

CD select switch Tape monitor select switch TV / DVD select switch VCR1 select switch

Center mode select switch Display mode select switch Dolby Pro Logic/SFC off on switch Speaker on/off switch Volume control

: FM OSC signal line

Balance control Bass control Treble control

Signal line

: +Bline : - B line : Main signal line : FM signal line : AM signal line

< > FM

: AM OSC signal 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

() AM

•Importance safety notice:

Components identified by Λ mark have special characteristics important for safety. Furthermore, special parts which have purposes of fireretardant (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.

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.

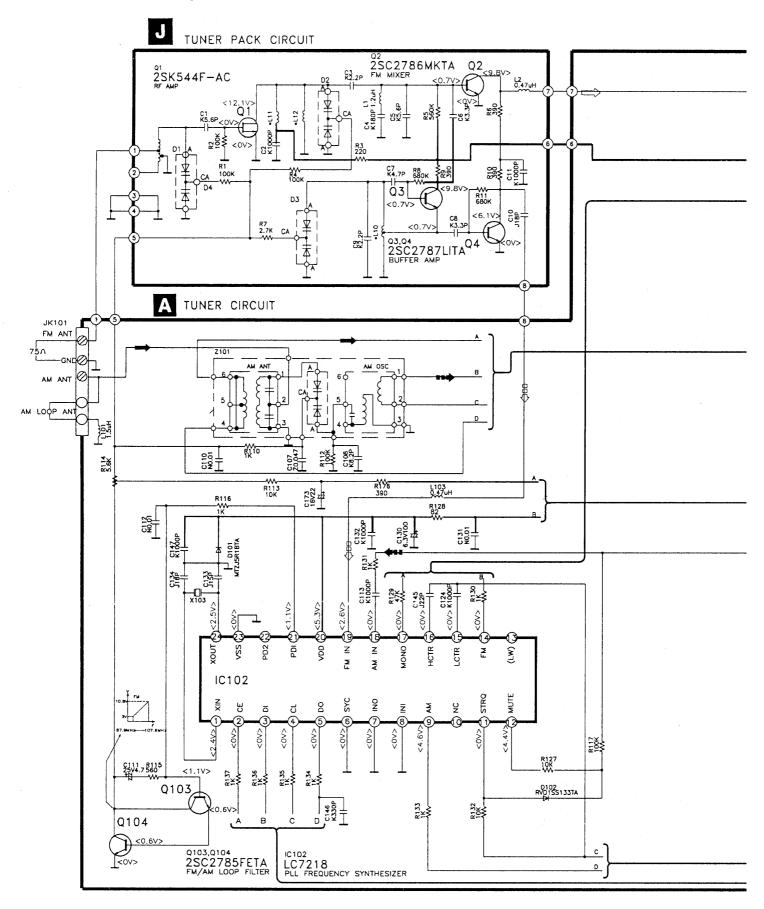
CAUTION: FOR CONTINUED PROTECTION AGAINST FIRE HAZARD, REPLACE ONLY WITH SAME TYPE F1 5.0A 125V FUSE F3 8.0A 125V FUSE F4 8.0A 125V FUSE RISK OF FIRE-REPLACE FUSE AS MARKED.

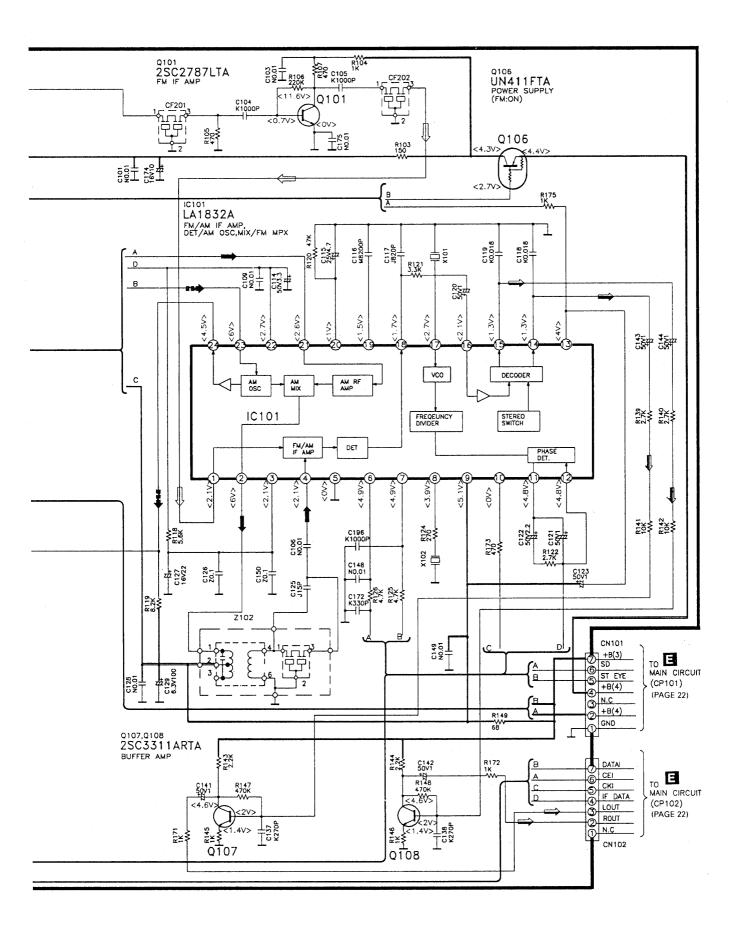
- FUSE CAUTION -

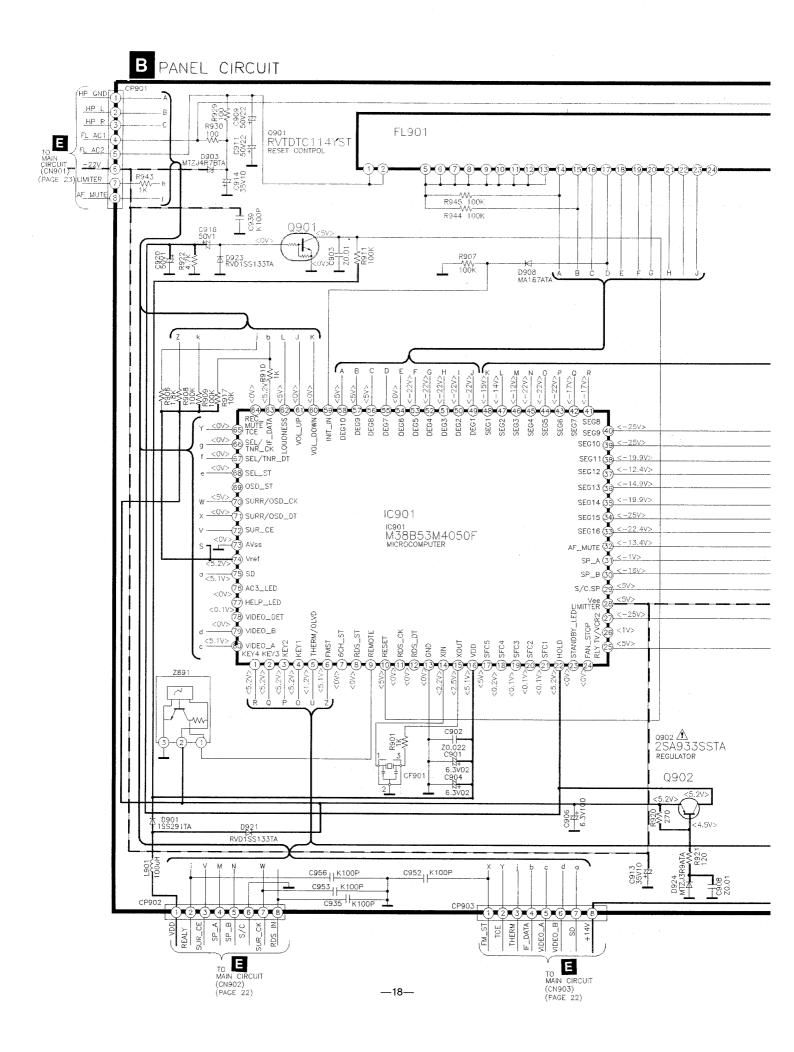
These symbols located near the fuse indicates that the fuse used is a fast operating type. For continued protection against fire harzard, replace with the same type fuse. For fuse rating, refer to the marking adjacent to the symbol.

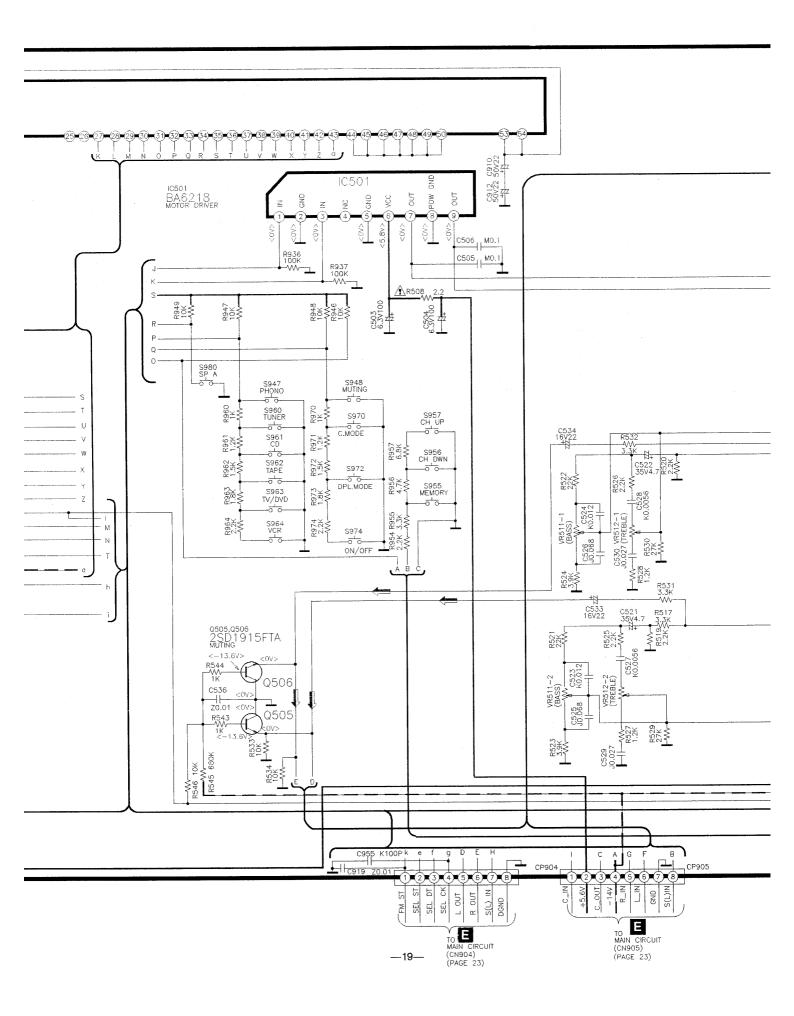
Ce symbole indique que le fusible utilisé est à rapide. Pour une protection permanente, n' utiliser que des fusibles de même type. Ce dernier est indiqué là qù le présent symbole est apposé.

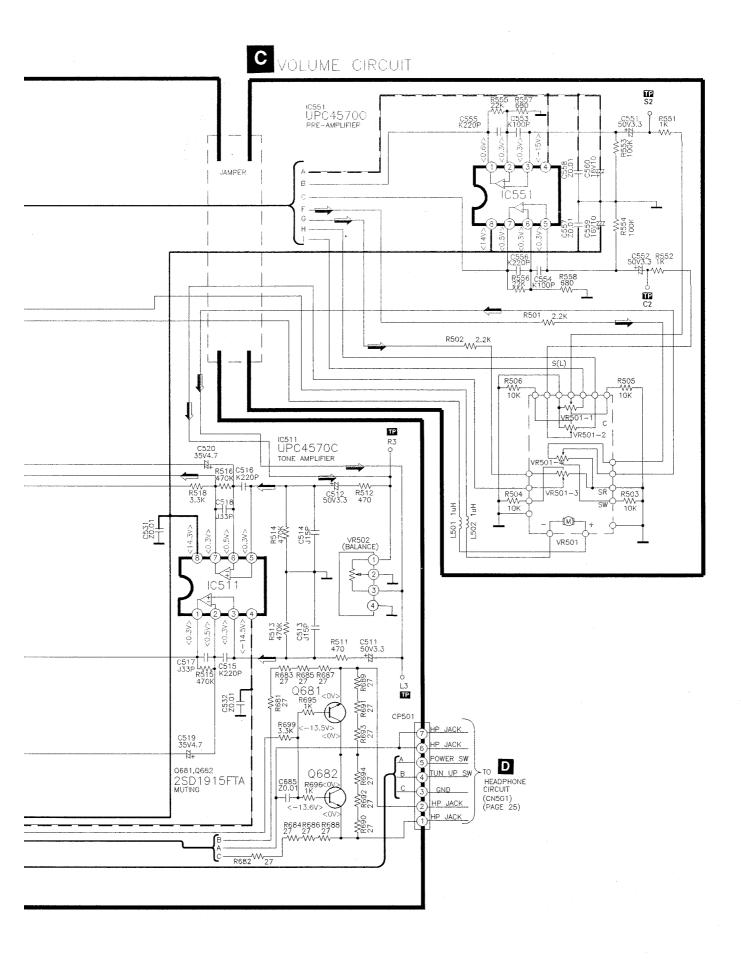
■ Schematic Diagram

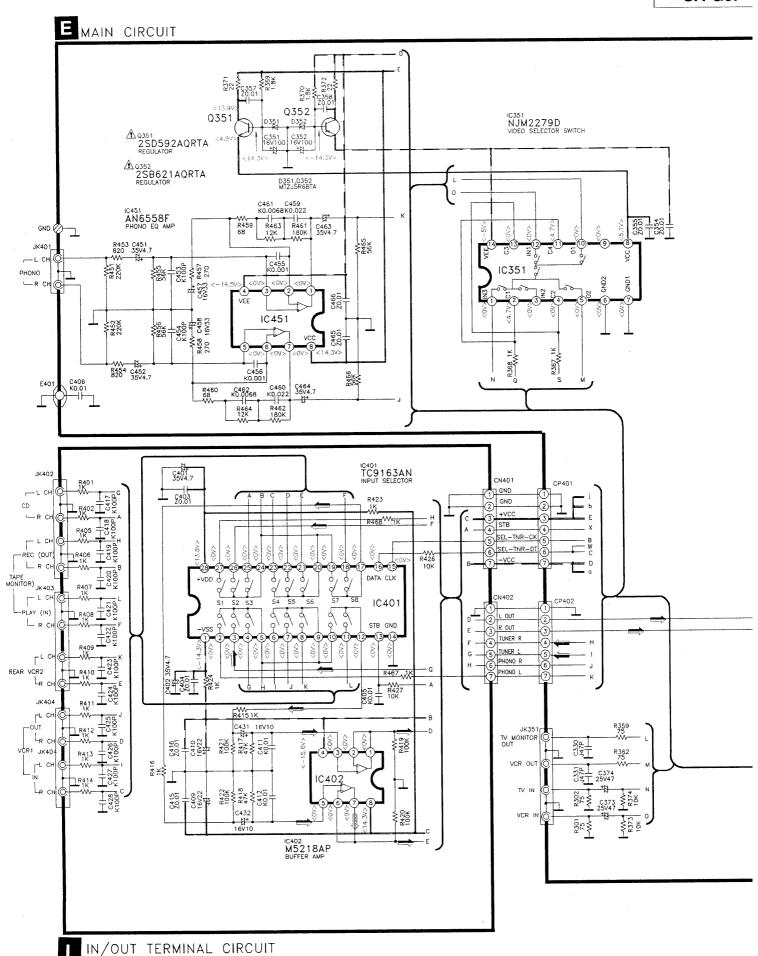


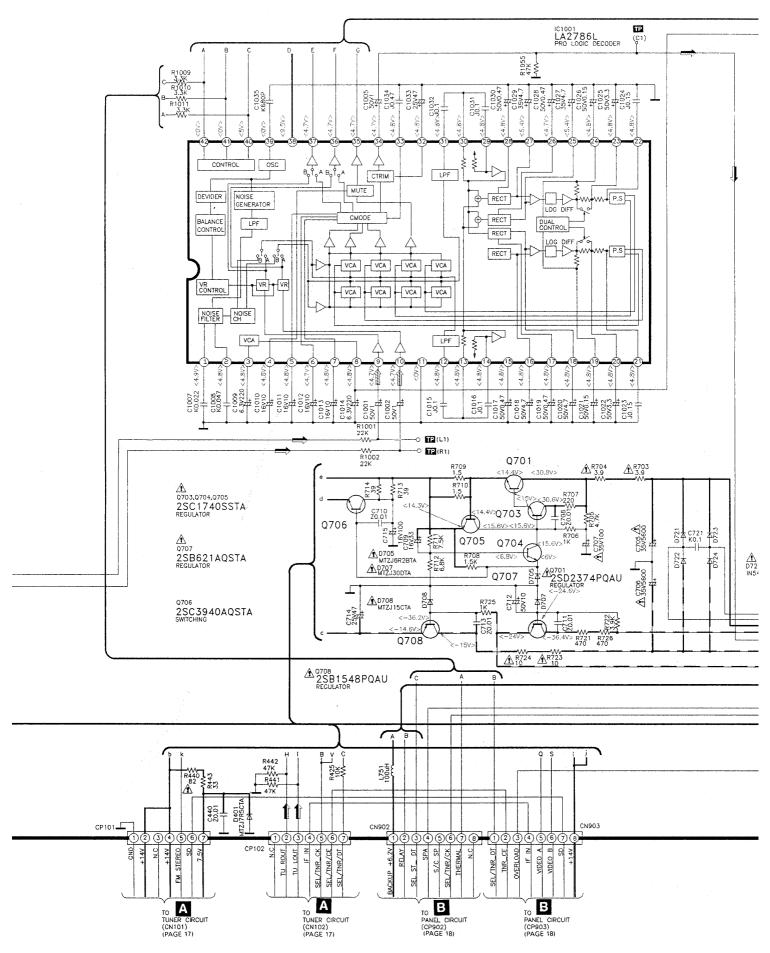


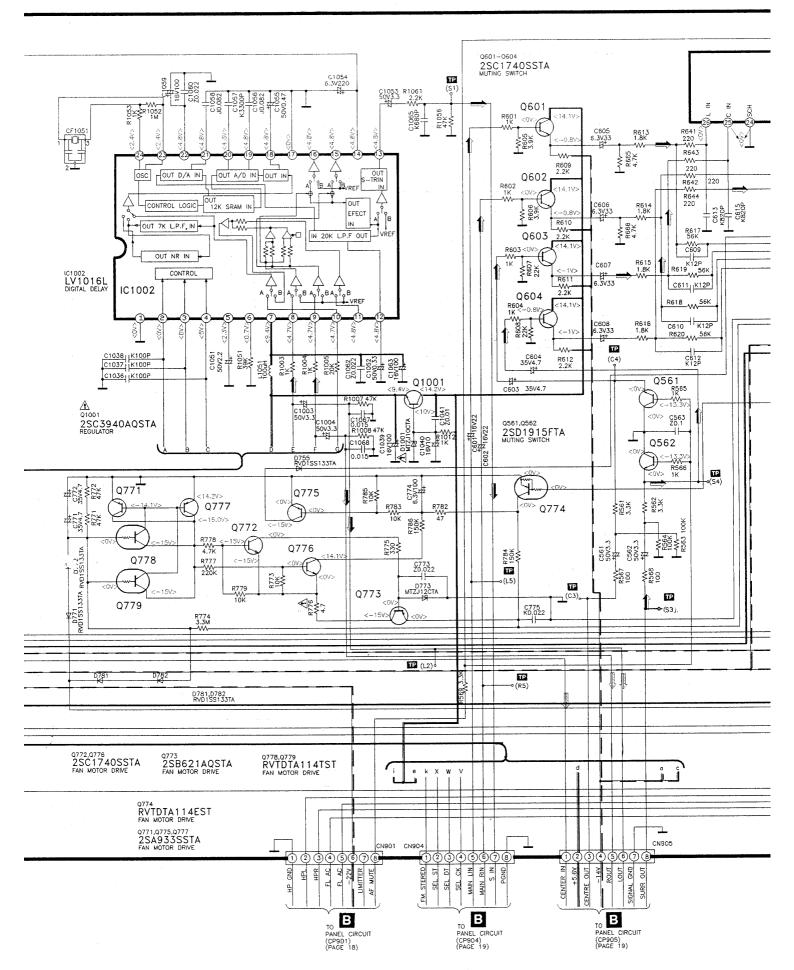


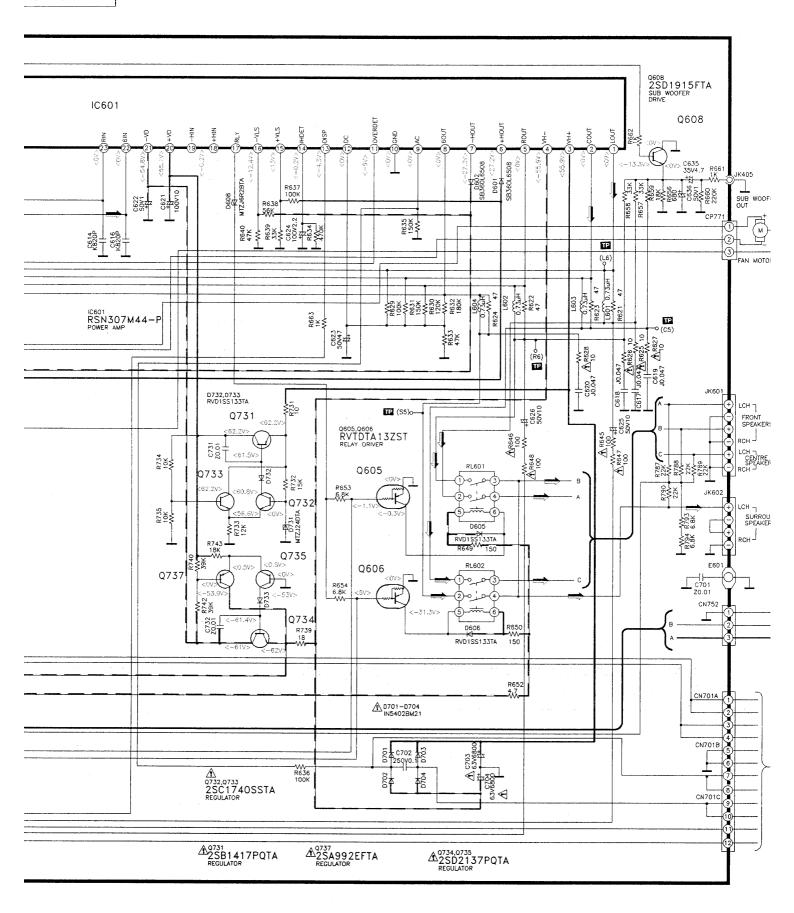


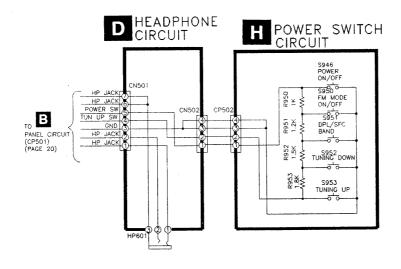


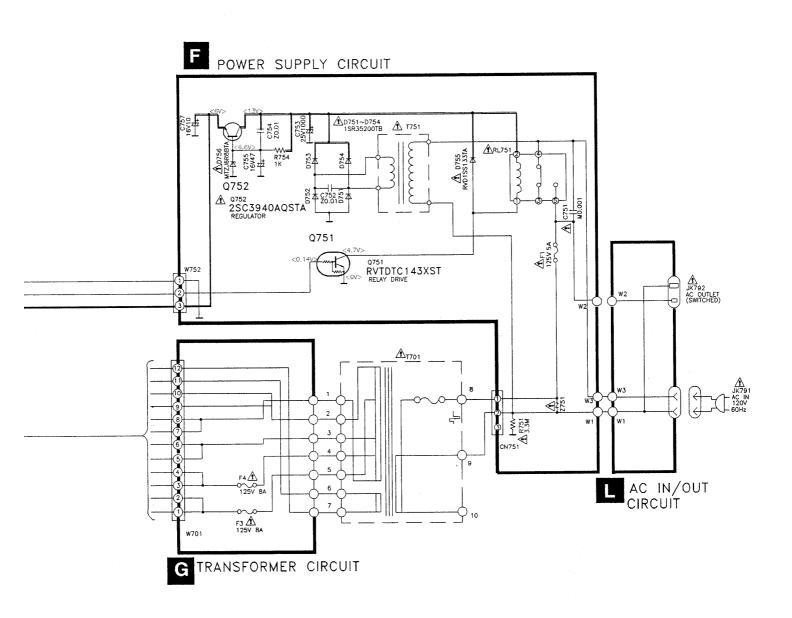




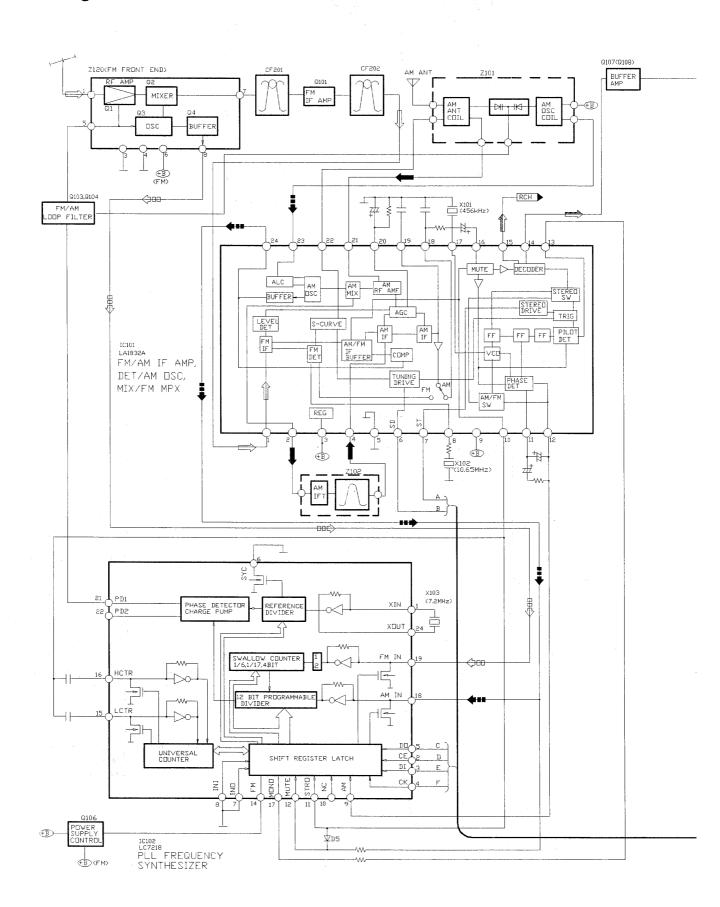


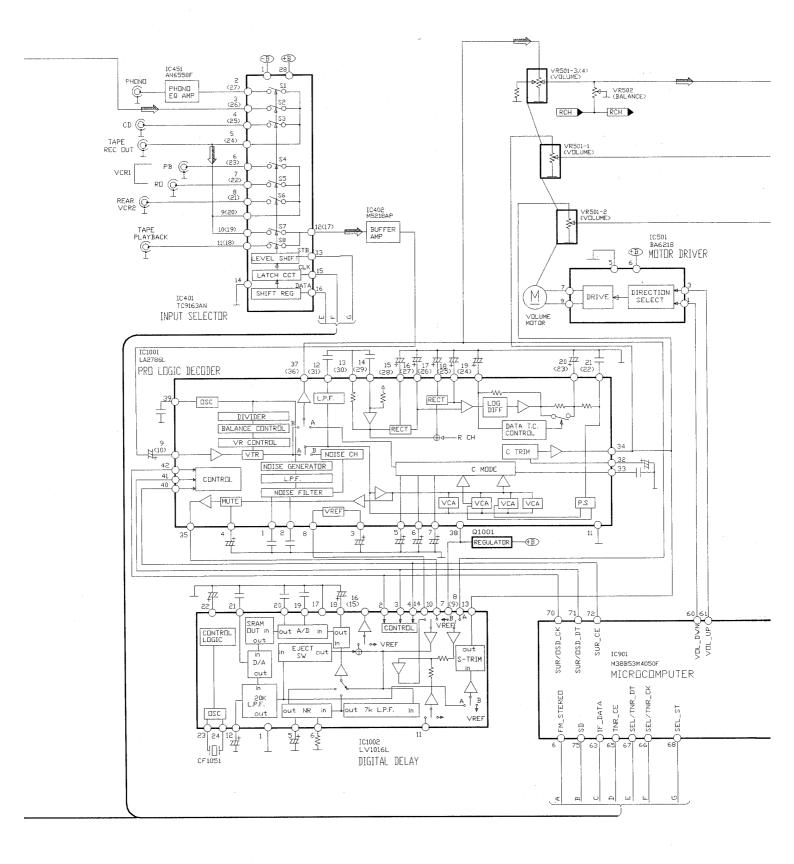


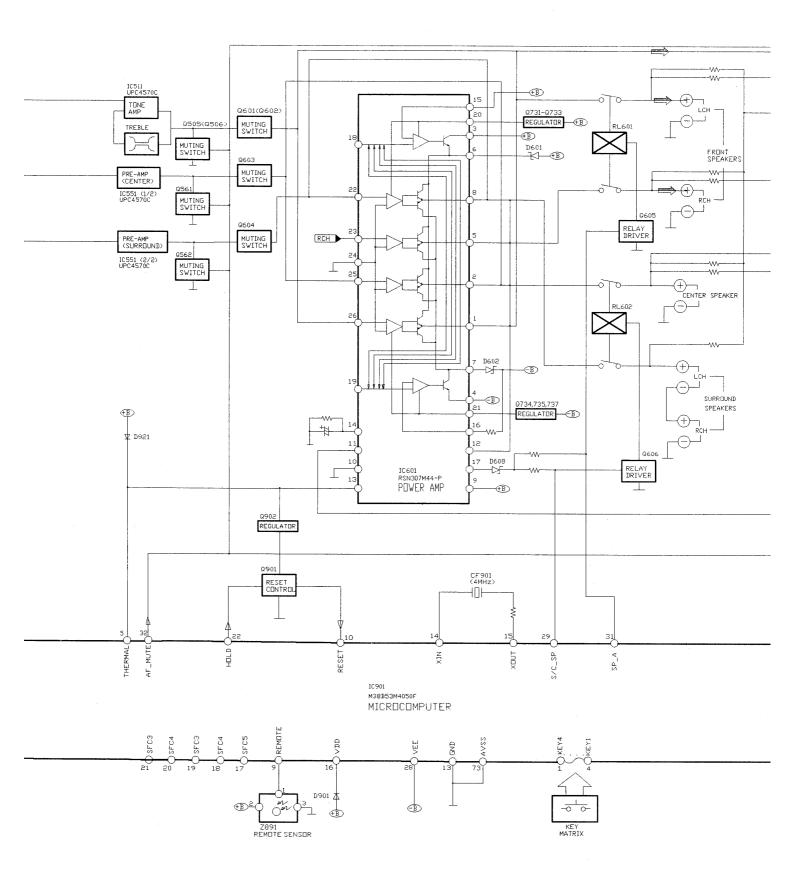


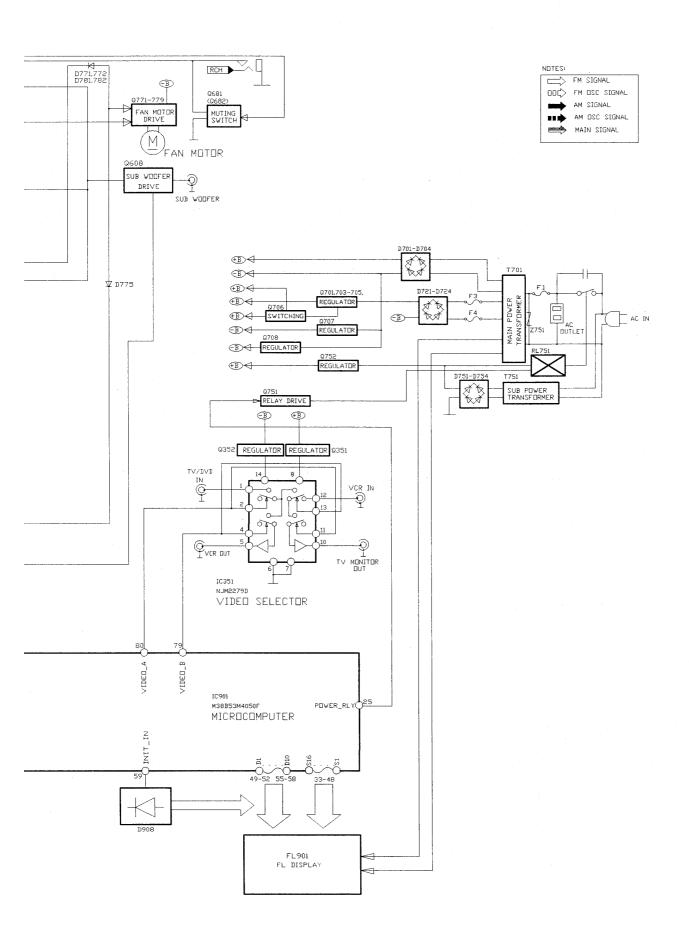


■ Block Diagram



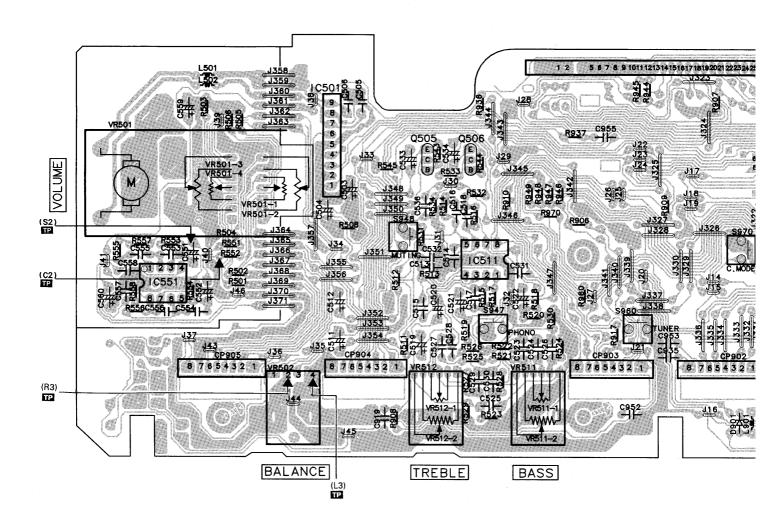




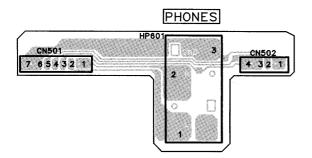


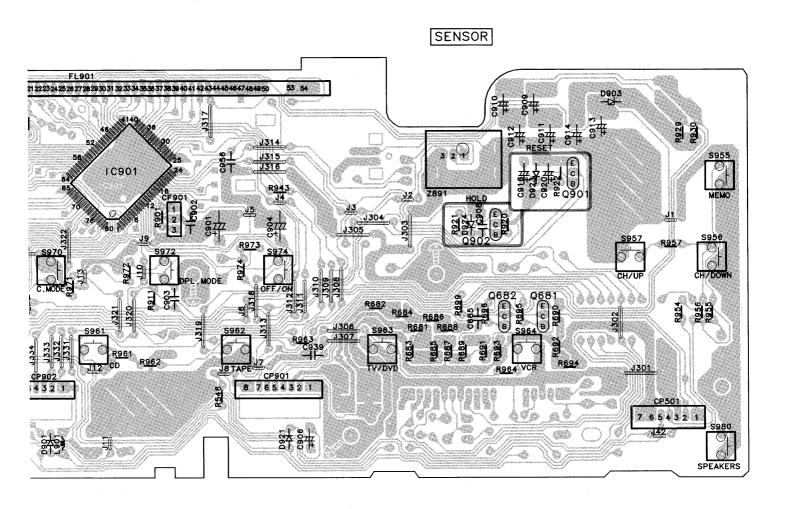
- **■** Printed Circuit Board
- C VOLUME P.C.B. (REP2445B-S)

 B PANEL P.C.B. (REP2445B-S)

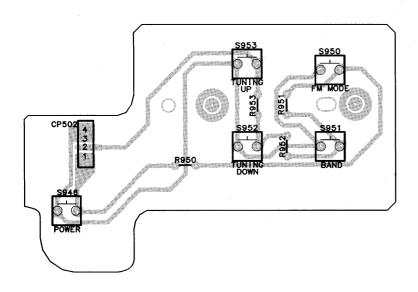


D HEADPHONE JACK P.C.B. (REP2445B-S)

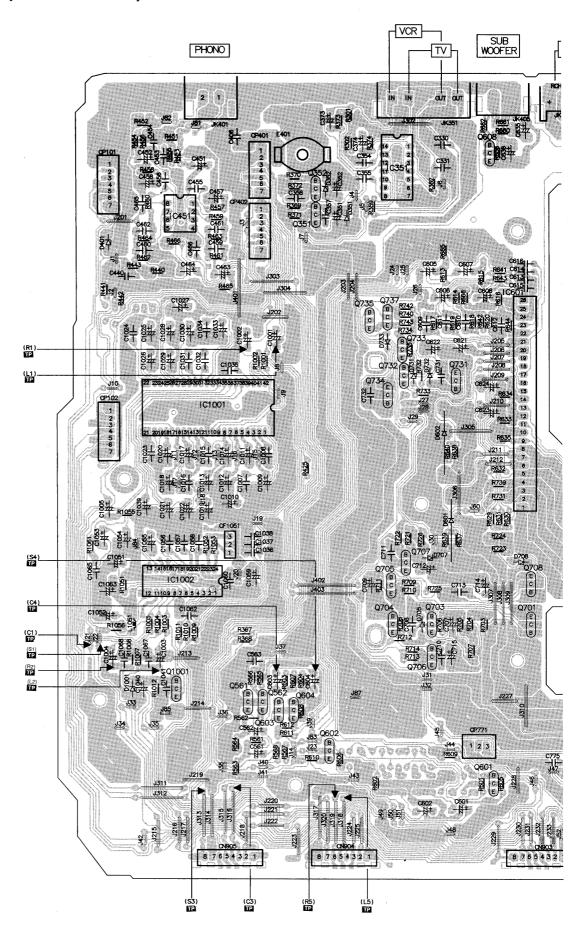


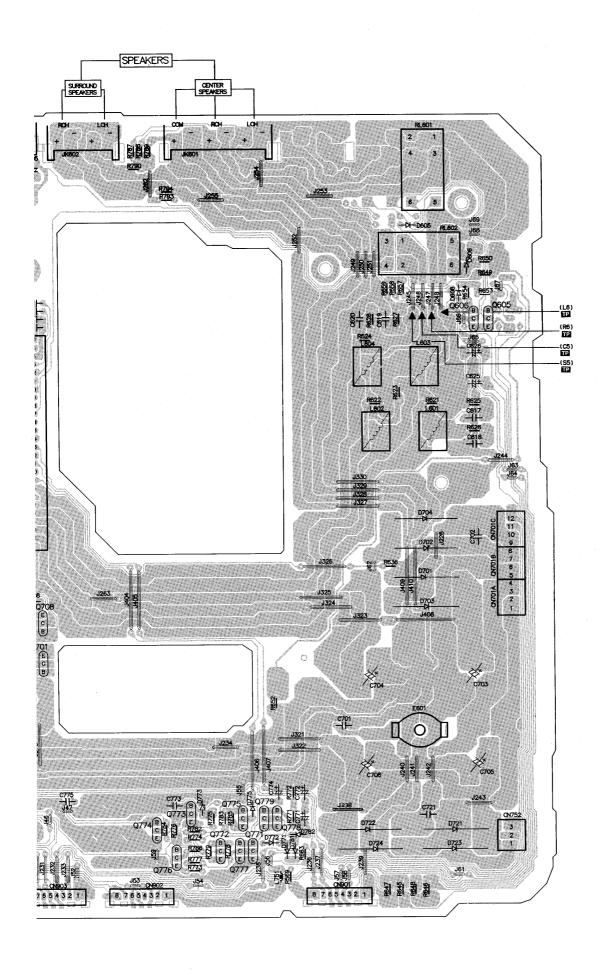


POWER SWITCH P.C.B. (REP2445B-S)



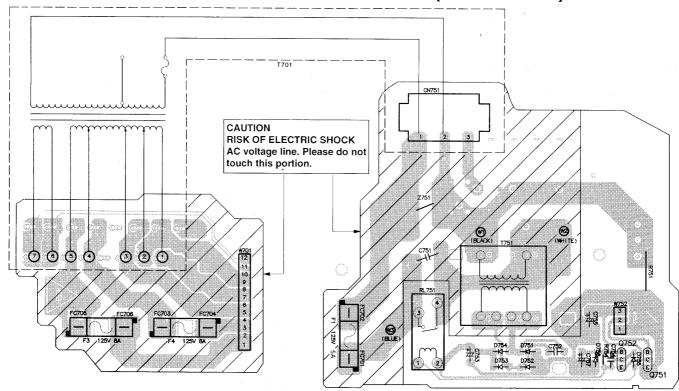
E MAIN P.C.B. (REP2444B-M)



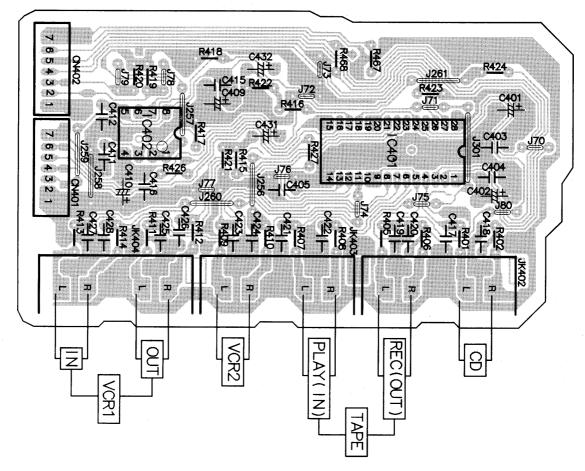


G TRANSFORMER P.C.B. (REP2446F-P)

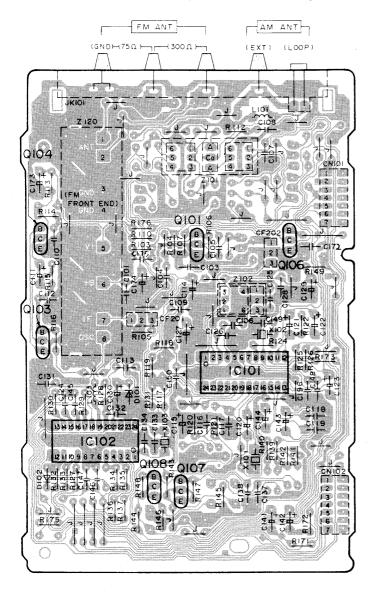
POWER SUPPLY P.C.B. (REP2446F-P)



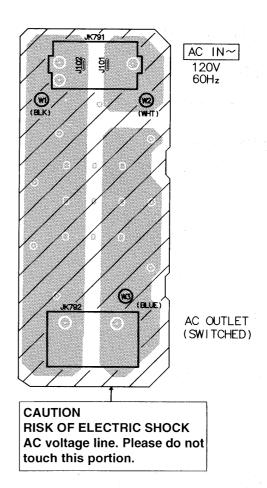
IN/OUT TERMINAL P.C.B. (REP2444B-M)



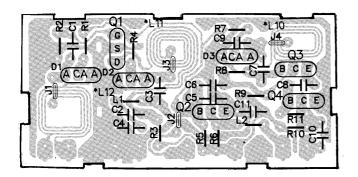
A TUNER P.C.B. (REP2254A-T)



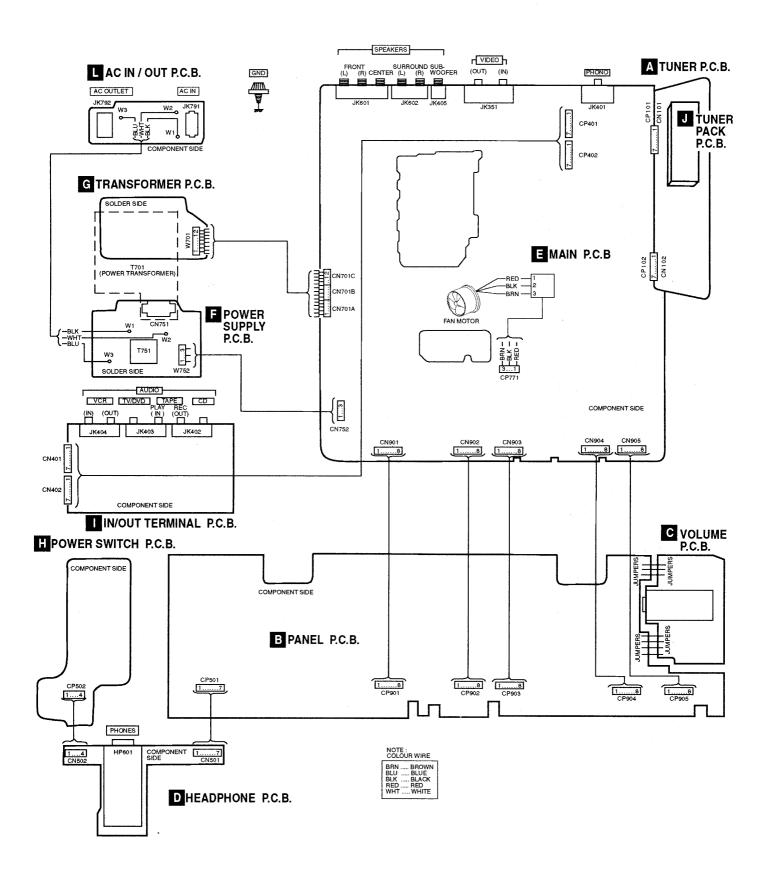
AC IN / OUT P.C.B. (REP2446F-P)

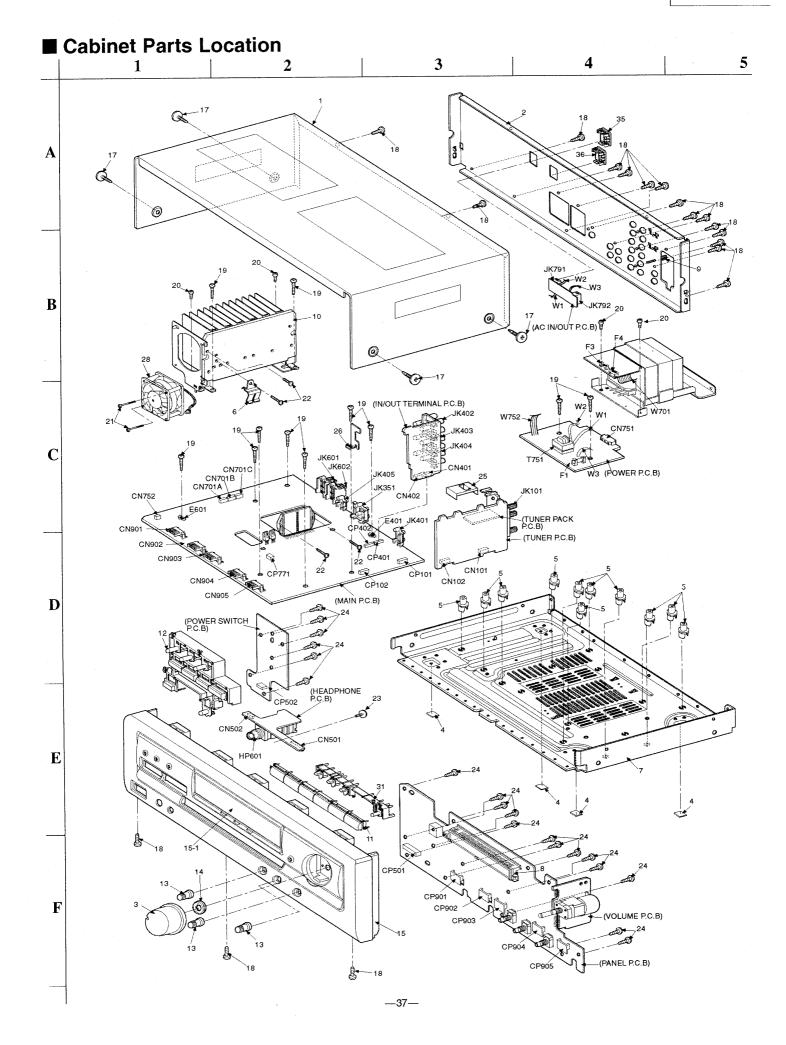


J TUNER PACK P.C.B. (REP1999B)



■ Wiring Connection Diagram





■ Replacement Parts List

Notes: • Important safety notice :

Components identified by \triangle 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.

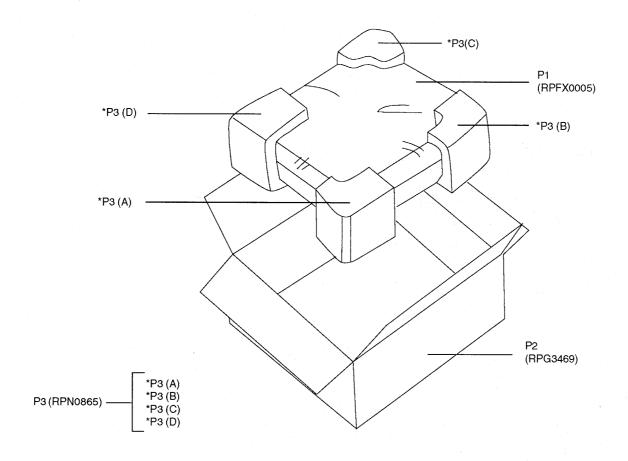
• [M] in Remarks column indicates parts that are supplied by MESA.

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		IC511	UPC4570C	IC, TONE CONTROL	[M]	Q732	2SC1740SSTA	TRANSISTOR	[M] <u></u>
	-			IC551	UPC4570C	IC, TONE CONTROL	[M]	Q733	2SC1740SSTA	TRANSISTOR	[M] <u>Å</u>
1 .	RKM0260D-K	TOP CABINET	[M]	IC601	RSN307M44-P	IC, HIC	[M]	Q734	2SD2137PQTA	TRANSISTOR	[M] <u></u>
2	RGR0251A-C	REAR PANEL	[M]	IC901	M38B53M4050F	IC, MICROCOMPUTER	[M]	Q735	2SA992EFTA	TRANSISTOR	[M] <u></u>
3	RGW0243B-K	VOLUME KNOB	[M]	IC1001	LA2786L	IC, DPL	[M]	Q737	2SA992EFTA	TRANSISTOR	[M] <u>Å</u>
4	SKL293	LEG CUSHION	[M]	IC1002	LV1016L	IC, SURR DECODER	[M]	Q751	RVTDTC143XST	TRANSISTOR	[M]
5	RKQ0089	PCB HOLDER	[M]					Q752	2SC3940AQSTA	TRANSISTOR	[M] <u>(</u>
6	RMC0158-S	TRANSISTOR HOLDER	[M]			TRANSISTORS		Q771	2SA933SSTA	TRANSISTOR	[M]
7	RMK0350	BOTTOM CHASSIS	[M]					Q772	2SC1740SSTA	TRANSISTOR	[M]
8	RMN0372	FL HOLDER	[M]	Q1	2SK544F-AC	TRANSISTOR	[M]	Q773	2SB621AQSTA	TRANSISTOR	[M]
9	SNE2123	EARTH TERMINAL	[M]	Q2	2SC2786MTA	TRANSISTOR	[M]	Q774	RVTDTA114EST	TRANSISTOR	[M]
10	RXX0186	HEAT SINK UNIT	[M]	Q3	2SC2787FL1TA	TRANSISTOR	[M]	Q775	2SA933SSTA	TRANSISTOR	[M]
11	RGU1493A-K	SELECTOR BUTTON	[M]	Q4	2SC2787FL1TA	TRANSISTOR	[M]	Q776	2SC1740SSTA	TRANSISTOR	[M]
12	RGU1350-K	MODE BUTTON	[M]	Q101	2SC2787LTA	TRANSISTOR	[M]	Q777	2SA933SSTA	TRANSISTOR	[M]
13	RGW0244-K1	BASS TREBLE KNOB	[M]	Q103	2SC2785FETA	TRANSISTOR	[M]	Q778	RVTDTA114TST	TRANSISTOR	[M]
14	RHN90001	M9 NUT	[M]	Q104	2SC2785FETA	TRANSISTOR	[M]	Q779	RVTDTA114TST	TRANSISTOR	[M]
15	RFKGSAG67PPK	FRONT PANEL ASS'Y	[M]	Q106	RVTDTA143XST	TRANSISTOR	[M]	Q901	RVTDTC114YST	TRANSISTOR	[M]
15-1	RKW0436C-Q	FL WINDOW	[M]	Q107	2SC3311ARTA	TRANSISTOR	[M]	Q902	2SA933SSTA	TRANSISTOR	[M] <u>(</u>
17	SNE2129-1	SCREW (CABINET)	[M]	Q108	2SC3311ARTA	TRANSISTOR	[M]	Q1001	2SC3940AQSTA	TRANSISTOR	[M] <u>Å</u>
18	XTBS3+8JFZ1	SCREW	[M]	Q351	2SD592AQRSTA	TRANSISTOR	[M] <u>/</u> [\(\)				
19	XTB3+20JFZ	SCREW	[M]	Q352	2SB621AQSTA	TRANSISTOR	[M] <u>/</u> L			DIODES	
20	XTB3+8FFZ	SCREW	[M]	Q505	2SD1915FTA	TRANSISTOR	[M]				
21	XTB3+30J	SCREW	[M]	Q506	2SD1915FTA	TRANSISTOR	[M]	D1	SVC211SPA-AL	DIODE	[M]
22	XTW3+15T	SCREW	[M]	Q561	2SD1915FTA	TRANSISTOR	[M]	D2	SVC211SPA-AL	DIODE	[M]
23	RHD26016	SCREW	[M]	Q562	2SD1915FTA	TRANSISTOR	[M]	D3	SVC211SPA-AL	DIODE	[M]
24	XTBS26+10J	SCREW (FRONT)	[M]	Q601	2SC1740SSTA	TRANSISTOR	[M]	D101	MTZJ5R1BTA	DIODE	[M]
25	RSC0027-1	SHIELD CASE	[M]	Q602	2SC1740SSTA	TRANSISTOR	[M]	D102	RVD1SS133TA	DIODE	[M]
26	RMQ0709	TUNER PCB BRACKET	[M]	Q603	2SC1740SSTA	TRANSISTOR	[M]	D351	MTZJ5R6BTA	DIODE	[M]
28	REM0069	FAN UNIT	[M]	Q604	2SC1740SSTA	TRANSISTOR	[M]	D352	MTZJ5R6BTA	DIODE	[M]
31	RGU1352A-K	DOLBY BUTTON	[M]	Q605	RVTDTA113ZST	TRANSISTOR	[M]	D401	MTZJ7R5CTA	DIODE	[M]
35	SJS9234A	AC INLET COVER	[M]	Q606	RVTDTA113ZST	TRANSISTOR	[M]	D601	SB360L6508	DIODE	[M]
36	SJS9233A	AC OUTLET COVER	[M]	Q608	2SD1915FTA	TRANSISTOR	[M]	D602	SB360L6508	DIODE	[M]
		-		Q681	2SD1915FTA	TRANSISTOR	[M]	D605	RVD1SS133TA	DIODE	[M]
		INTEGRATED CIRCUITS		Q682	2SD1915FTA	TRANSISTOR	[M]	D606	RVD1SS133TA	DIODE	[M]
		400000000000000000000000000000000000000		Q701	2SD2374PQAU	TRANSISTOR	[M] <u>A</u>	D608	MTZJ6R2BTA	DIODE	[M]
IC101	LA1832A	IC, IF/MPX	[M]	Q703	2SC1740SSTA	TRANSISTOR	[M] <u>/</u> Î\	D701	1N5402BM21	DIODE	[M] <u>(</u>
IC102	LC7218	IC, PLL	[M]	Q704	2SC1740SSTA	TRANSISTOR	[M] <u>^</u> 1	D702	1N5402BM21	DIODE	[M] <u>(</u>
IC351	NJM2279D	IC, VIDEO SELECTOR SW	[M]	Q705	2SC1740SSTA	TRANSISTOR	[M] <u></u>	D703	1N5402BM21	DIODE	[M] <u>(</u>
IC401	TC9163AN	IC, SELECTOR	[M]	Q706	2SC3940AQSTA	TRANSISTOR	[M]	D704	1N5402BM21	DIODE	[M] <u></u>
IC402	M5218AP	IC, BUFFER AMP	[M]	Q707	2SB621AQSTA		[M]/Î\	D705	MTZJ6R2BTA	DIODE	[M] <u>A</u>
IC451	AN6558F	IC, OP AMP	[M]	Q708	2SB1548PQAU		[M]/Î\	D707	MTZJ27DTA	DIODE	[M] <u>A</u>
IC501	BA6218	IC, MOTOR DRIVER	[M]	Q731	2SB1417PQTA		[M] <u>A</u>	 	MTZJ15CTA	DIODE	[M] <u>A</u>

			ъ ,	D 531	D .N	D (N	D	DefNo	Part No.	Part Name & Description	Damarke
Ref No.	Part No.	Part Name & Description		Ref No.		Part Name & Description		Ref No.			
D721	1N5402BM21		[M] <u>/</u> ^	S963			[M]	L604	RLQYR73MW-E		[M]
D722	1N5402BM21		[M] <u>/</u> [\)	S964	EVQ21405R	SW, VCR1	[M]	L751	-	CHOKE COIL	[M]
D723	1N5402BM21	DIODE	[M] <u>/</u>	S970	EVQ21405R		[M]	L901	RLQB101KTA-Y		[M]
D724	1N5402BM21	DIODE	[M] <u>/</u>	S972	EVQ21405R	SW, DISPLAY MODE	[M]	L1051	ELESN101KA	CHOKE COIL	[M]
D731	MTZJ24DTA	DIODE	[M]	S974	EVQ21405R	SW, OFF/ON	[M]	T701	RTP2N5C008		[M] <u>(</u> 1)
D732	RVD1SS133TA	DIODE	[M]	S980	EVQ21405R	SW, SPEAKER	[M]	T751	RTP1H5C001-V	POWER TRANSFORMER	[M] <u>/</u> L
D733	RVD1SS133TA	DIODE	[M]								
D751	1SR35200TB	DIODE	[M] <u></u>			CONNECTORS				COMPONENT COMBINATION	
D752	1SR35200TB	DIODE	[M] <u>Å</u>					Z101	RLA2Z002M-T	AM ANT. COIL	[M]
D753	1SR35200TB	DIODE	[M] <u>^</u>	CN101	RJU057W007	7P CONNECTOR	[M]	Z102	RLI2Z006M-T	AM IFT	[M]
D754	1SR35200TB	DIODE	[M] <u>^</u>	CN102	RJU057W007	7P CONNECTOR	[M]	Z120	RAL0029	TUNER PACK	[M]
D755	RVD1SS133TA	DIODE	[M] <u></u>	CN401	RJU100W07	7P CONNECTOR	[M]	Z751	ERZV10V511CS	ZNR	[M] <u>(</u> 1
D756	MTZJ6R8BTA	DIODE	[M] <u></u>	CN402	RJU100W07	7P CONNECTOR	[M]	Z891	RCDSPS4242N	REMOTE SENSOR	[M]
D771	RVD1SS133TA	DIODE	[M]	CN501	RJU100W07	7P CONNECTOR	[M]				
D772	RVD1SS133TA	DIODE	[M]	CN502	RJU100W04	4P CONNECTOR	[M]			CERAMIC FILTERS	
D773	MTZJ12CTA	DIODE	[M]	CN701A	RJS1A6604T1	4P TAPING CONNECTOR	[M]				
D775	RVD1SS133TA	DIODE	[M]	CN701E	RJS1A6604T1	4P TAPING CONNECTOR	[M]	CF201	RLFFETMGD01L	CERAMIC FILTER	[M]
D781	RVD1SS133TA	DIODE	[M]	CN7010	RJS1A6604T1	4P TAPING CONNECTOR	[M]	CF202	RLFFETMGD01L	CERAMIC FILTER	[M]
D782		DIODE	[M]	CN751	SJS305-1	3P CONNECTOR	[M]	CF901	RVBCST4R00M7	CÉRAMIC OSCILLATOR	[M]
D901	1SS291TA	DIODE	[M]	 	RJS1A6603T1	3P TAPING CONNECTOR	[M]	CF105	EF0EC8004T4	CERAMIC OSCILLATOR	[M]
D903	MTZJ4R7BTA	DIODE	[M]			BOAD IN CONNECTOR	ļ- ·				
D908	MA167ATA	DIODE	[M]	-		BOAD IN CONNECTOR	-			OSCILLATORS	
D908		DIODE	[M]			BOAD IN CONNECTOR					
<u> </u>		DIODE	[M]	 		BOAD IN CONNECTOR	+	X101	RSX7456KM07M	CERAMIC OSCILLATOR	[M]
D923			-			BOAD IN CONNECTOR	-	X102	RLFDGTD011	FM REZONATOR	[M]
D924	MTZJ3R9ATA	DIODE	[M]	—		7P CONNECTOR		X102		CRYSTAL 7.2MHZ	[M]
D1001	MTZJ10CTA	DIODE	[M] <u>(</u>)				[M]	1 103	3404307221-3	ORIGIAL 7.2WIIZ	Livij
				├ ──		7P CONNECTOR	[M]			DIODI AV TURE	
-		VARIABLE RESISTORS	-	l	RJT100W07	7P CONNECTOR	[M]	-		DISPLAY TUBE	
				l	RJT100W07	7P CONNECTOR	[M]	F1 004	DOI 0000 F	EL DIODI AV	[5.4]
	EUWMRH026B15		[M]	l ——	RJT100W07	7P CONNECTOR	[M]	FL901	RSL0233-F	FL DISPLAY	[M]
ļ	EVJ02QF01G15		[M]	! ├──	RJT100W04	4P CONNECTOR	[M]	-			
VR511	EVJYA1F01C15	VR, BASS	[M]	1	RJP3G4YA	CONNECTOR	[M]	 		EARTH TERMINAL	
VR512	EVJYA1F01C15	VR, TREBLE	[M]	CP901	RJT003K008-1	8P CONNECTOR	[M]	 			
				CP902	RJT003K008-1	8P CONNECTOR	[M]	E401	SNE1004-2	EARTH TERMINAL	[M]
		SWITCHES	1	CP903	RJT003K008-1	8P CONNECTOR	[M]	E601	SNE1004-2	EARTH TERMINAL	[M]
				CP904	RJT003K008-1	8P CONNECTOR	[M]	-			
S946	EVQ21405R	SW, POWER	[M]	CP905	RJT003K008-1	8P CONNECTOR	[M]			RELAYS	
S947	EVQ21405R	SW, PHONE	[M]					 			
S948	EVQ21405R	SW, MUTING	[M]	<u> </u>		COILS & TRANSFORMER	is .	RL601	RSY0013M-0	RELAY	[M]
\$950	EVQ21405R	SW, FM MODE	[M]					RL602	RSY0013M-0	RELAY	[M]
S951	EVQ21405R	SW, BAND	[M]	L1	RLQZP1R2JT-Y	RF CHOKE COIL	[M]	RL751	RSY0019M-0	12V TV-5 RELAY	[M] <u>(</u>
S952	EVQ21405R	SW, TUNING UP	[M]	L2	RLQZPR47KT-\	RF CHOKE COIL	[M]				-
S953	EVQ21405R	SW, TUNING DOWN	[M]	L101	ELESN1R5MA	CHOKE COIL	[M]			FUSES	
S955	EVQ21405R	SW, MEMO	[M]	L103	ELEXTR47MA9	CHOKE COIL	[M]				
S956	EVQ21405R	SW, PRESET DOWM	[M]	L501	RLQZP1R0KT-	AXIAL COIL	[M]	F1	XBA1C50NBAL	. FUSE	[M] <u>/</u> Î\
S957	EVQ21405R	SW, PRESET UP	[M]	L502	RLQZP1R0KT-	Y AXIAL COIL	[M]	F3	XBA1C80NBAL	FUSE	[M] <u></u>
S960	EVQ21405R	SW, TUNER	[M]	L601	RLQYR73MW-E	CHOKE COIL	[M]	F4	XBA1C80NBAL	. FUSE	[M] <u>^</u>
S961	EVQ21405R	sw, cD	[M]	L602	RLQYR73MW-E	CHOKE COIL	[M]				
	EVQ21405R	SW, TAPE	[M]	L603	RLQYR73MW-E	CHOKE COIL	[M]			FUSE CLIPS	

Ref No.	Part No.	Part Name & Description	Remarks	Ref No	Part No.	Part Name & Description	Remarks	Ref No	Part No.	Part Name & Description	Remarks
				JK403	SJF3069N	JK, LINE IN	[M]				
FC701	EYF52BC	FUSE HOLDER	[M]	JK404	SJF3069N	JK, LINE IN	[M]		-	PACKING MATERIALS	
FC702	EYF52BC	FUSE HOLDER	[M]	JK405	SJFD7	JK, FM MULTI OUT	[M]				
FC703	EYF52BC	FUSE HOLDER	[M]	JK601	RJH5601	JK, SP TERMINAL	[M]	P1	RPFX0005	MIRAMAT BAG	[M]
FC704	EYF52BC	FUSE HOLDER	[M]	JK602	RJR0054	JK, SP TERMINAL	[M]	P2	RPG3469	GIFT BOX	[M]
FC705	EYF52BC	FUSE HOLDER	[M]	JK791	SJS9234B	JK, AC INLET	[M] <u>(</u> 1	Р3	RPN0865	POLYFOAM	[M]
FC706	EYF52BC	FUSE HOLDER	[M]	JK792	SJS9233B	JK, AC OUTLET	[M] <u>/</u> [\)				
	1			HP601	RJJ63TS01	JK, HEADPHONES	[M]				
		JACKS			,						
						WIRES				·	
JK101	RJH4405	JK, ANT TERMINAL	[M]								
JK351	SJF3069-3N	JK, RCA PIN	[M]	W1	REE0769	WIRE UNIT	[M]				
JK401	SJF3068-7N	JK, RCA TERMINAL	[M]	W2	REE0770	WIRE UNIT	[M]				
JK402	SJF3069N	JK, LINE IN	[M]	МЗ	REE0771	WIRE UNIT	[M]				

■ Packaging



■ Resistors & Capacitors

Notes: • Important safety notice:

Components identified by $\hat{\Lambda}$ m ark 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)
- [M] in Remarks column indicates parts that are supplied by MESA.

					-												
Ref No.	Part No.	Values & Remarks	Ref No.	Part No.	Values	&Rema	rks	Ref No.	Part No.	Values &	k Remarl	cs H	Ref No.	Part No.	Values	& Rema	arks
	RESISTORS		R135	ERDS2TJ102T	1K .	1/4W	мј	R413	ERDS2TJ102T	1K 1	/4W [N	A)	₹505	ERDS2TJ103T	10K	1/4W	[M]
			R136	ERDS2TJ102T	1K	1/4W	мј	R414	ERDS2TJ102T	1K 1	/4W [N	4]	₹506	ERDS2TJ103T	10K	1/4W	[M]
R1	ERDS2TJ104T	100K 1/4W [M]	R137	ERDS2TJ102T	1K	1/4W	M]	R415	ERDS2TJ102T	1K 1	/4W [N	л]	₹508	ERDS1FVJ2R2T	2.2 1/2	:W[M]/	A
R2	ERDS2TJ104T	100K 1/4W [M]	R139	ERDS2TJ272T	2.7K	1/4W	[M]	R416	ERDS2TJ102T	1K :	1/4W [N	4]	R511	ERDS2TJ471T	470	1/4W	[M]
R3	ERDS2TJ221T	220 1/4W [M]		ERDS2TJ272T	2.7K	1/4W	[M]	R417	ERDS2TJ473T	47K	1/4W [N	и][R512	ERDS2TJ471T	470	1/4W	[M]
R4	ERDS2TJ104T	100K 1/4W [M]	R141	ERDS2TJ103T	10K	1/4W	[M]	R418	ERDS2TJ473T	47K	1/4W [N	иј	R513	ERDS2TJ474T	470K	1/4W	[M]
R5	ERDS2TJ564T	560K 1/4W [M]	R142	ERDS2TJ103T	10K	1/4W	[M]	R419	ERDS2TJ104T	100K	1/4W [N	иј	R514	ERDS2TJ474T	470K	1/4W	[M]
R6	ERDS2TJ391T	390 1/4W [M]	R143	ERDS2TJ222T	2.2K	1/4W	[M]	R420	ERDS2TJ104T	100K	1/4W [N	и]	R515	ERDS2TJ474T	470K	1/4W	[M]
R7	ERDS2TJ272T	2.7K 1/4W [M]	R144	ERDS2TJ222T	2.2K	1/4W	[M]	R421	ERDS2TJ104T	100K	1/4W [I	۷ <u>]</u>	R516	ERDS2TJ474T	470K	1/4W	[M]
R8	ERDS2TJ684T		R145	ERDS2TJ102T	1K .	1/4W	[M]	R422	ERDS2TJ104T	100K	1/4W [I	и]	R517	ERDS2TJ332T	3.3K	1/4W	[M]
R9	ERDS2TJ391T	390 1/4W [M]		ERDS2TJ102T	1K	1/4W	[M]	R423	ERDS2TJ102T	1K	1/4W [!	vi]	R518	ERDS2TJ332T	3.3K	1/4W	[M]
R10	ERDS2TJ391T	390 1/4W [M]	R147	ERDS2TJ474T	470K	1/4W	[M]	R424	ERDS2TJ102T	1K	1/4W [I	иј	R519	ERDS2TJ222T	2.2K	1/4W	[M]
R11	ERDS2TJ684T	680K 1/4W [M]		ERDS2TJ474T	470K	1/4W	[M]	R425	ERDS2TJ103T	10K	1/4W [I	иј	R520	ERDS2TJ222T	2.2K	1/4W	[M]
R103	ERDS2TJ151T	150 1/4W [M]		ERDS2TJ680T	68	1/4W	[M]	R426	ERDS2TJ103T	10K	1/4W [I	м]	R521	ERDS2TJ223T	22K	1/4W	[M]
R104	ERDS2TJ102T	1K 1/4W [M]	R171	ERDS2TJ102T	1K	1/4W	[M]	R427	ERDS2TJ103T	10K	1/4W [м]	R522	ERDS2TJ223T	22K	1/4W	[M]
R105	ERDS2TJ471T	470 1/4W [M]		ERDS2TJ102T	1K	1/4W	[M]	R440	ERDS1FVJ820T	82 1/2	W [M] A	Λ	R523	ERDS2TJ392T	3.9K	1/4W	[M]
R106	ERDS2TJ224T	220K 1/4W [M]	R173	ERDS2TJ471T	470	1/4W	[M]	R441	ERDS2TJ473T	47K	1/4W [м]	R524	ERDS2TJ392T	3.9K	1/4W	[M]
R107	ERDS2TJ471T	470 1/4W [M]		ERDS2TJ102T	1K.	1/4W	[M]	R442	ERDS2TJ473T	47K	1/4W [м]	R525	ERDS2TJ222T	2.2K	1/4W	[M]
R110	ERDS2TJ102T	1K 1/4W [M]	l 	ERDS2TJ391T	390	1/4W	[M]	R443	ERDS2TJ330T	33	1/4W [M]	R526	ERDS2TJ222T	2.2K	1/4W	[M]
R112	ERDS2TJ104T	100K 1/4W [M]	l ——	ERDS2TJ750T	75	1/4W	[M]	R451	ERDS2TJ224T	220K	1/4W [м]	R527	ERDS2TJ122T	1.2K	1/4W	[M]
R113	ERDS2TJ103T	10K 1/4W [M]	l—-	ERDS2TJ750T	75	1/4W	[M]	R452	ERDS2TJ224T	220K	1/4W [м]	R528	ERDS2TJ122T	1.2K	1/4W	[M]
R114	ERDS2TJ562T	5.6K 1/4W [M]	l	ERDS2TJ750T	75	1/4W	[M]	R453	ERDS2TJ821T	820	1/4W [М]	R529	ERDS2TJ273T	27K	1/4W	[M]
R115	ERDS2TJ561T	560 1/4W [M]	I ├──	ERDS2TJ750T	75	1/4W	[M]	R454	ERDS2TJ821T	820	1/4W [M]	R530	ERDS2TJ273T	27K	1/4W	[M]
R116	ERDS2TJ102T	1K 1/4W [M]	l 	ERDS2TJ102T	1K	1/4W	[M]	R455	ERDS2TJ563T	56K	1/4W	M]	R531	ERDS2TJ332T	3.3K	1/4W	[M
R117	ERDS2TJ104T	100K 1/4W [M]	l	ERDS2TJ102T	1K	1/4W	[M]	R456	ERDS2TJ563T	56K	1/4W	M]	R532	ERDS2TJ332T	3.3K	1/4W	[M]
R118	ERDS2TJ562T	5.6K 1/4W [M]	∤ }	ERDS2TJ182T	1.8K	1/4W	[M]	R457	ERDS2TJ271T	270	1/4W	[M]	R533	ERDS2TJ103T	10K	1/4W	[M]
R119	ERDS2TJ822T	8.2K 1/4W [M]	∤	ERDS2TJ182T	1.8K	1/4W	[M]	R458	ERDS2TJ271T	270	1/4W	[M]	R534	ERDS2TJ103T	10K	1/4W	[M
R120	ERDS2TJ473T	47K 1/4W [M]	 	ERD2FCVG220T	22	1/4W	[M]	R459	ERDS2TJ680T	68	1/4W	[M]	R543	ERDS2TJ102T	1K	1/4W	[M
R121	ERDS2TJ332T	3.3K 1/4W [M]	R372	ERD2FCVG220T	22	1/4W	[M]	R460	ERDS2TJ680T	68	1/4W	[M]	R544	ERDS2TJ102T	1K	1/4W	[M
R122	ERDS2TJ272T	2.7K 1/4W [M]	<u> </u>	ERDS2TJ103T	10K	1/4W	[M]	R461	ERDS2TJ184T	180K	1/4W	[M]	R545	ERDS2TJ684T	680K	1/4W	[M
R124	ERDS2TJ271T	270 1/4W [M]	⊹	ERDS2TJ103T		1/4W			ERDS2TJ184T	180K	1/4W	[M]	R546	ERDS2TJ103T	10K	1/4W	_[M
R125	ERDS2TJ472T	4.7K 1/4W [M]	1	ERDS2TJ102T	1K	1/4W	[M]	R463	ERDS2TJ123T	12K	1/4W	[M]	R551	ERDS2TJ102T	1K	1/4W	[M
R126	ERDS2TJ472T	4.7K 1/4W [M	11	ERDS2TJ102T	1K	1/4W	[M]	R464	ERDS2TJ123T	12K	1/4W	[M]	R552	ERDS2TJ102T	1K	1/4W	! [M
R127	 	10K 1/4W [M	11	ERDS2TJ102T	1K	1/4W	[M]	R465	ERDS2TJ563T	56K	1/4W	[M]	R553	ERDS2TJ104T	100K	1/4W	/ [M
R128	ERDS2TJ820T	82 1/4W [M	11	ERDS2TJ102T	1K	1/4W	[M]	R466	ERDS2TJ563T	56K	1/4W	[M]	R554	ERDS2TJ104T	100K	1/4W	/ [M
R129		47K 1/4W [M	11	ERDS2TJ102T	1K			R467	ERDS2TJ102T	1K	1/4W	[M]	R555	ERDS2TJ223T	22K	1/4W	/ [M
R130	 	1K 1/4W [M	41		1K	1/4W	[M]	R468	ERDS2TJ102T		1/4W	-		ERDS2TJ223T	22K	1/4W	/ [M
R131	ERDS2TJ102T	1K 1/4W [M	11		1K			R501	ERDS2TJ222T		1/4W			ERDS2TJ681T	680	1/4W	/ [M
R132		10K 1/4W [M	┧├──		1K			R502	 	2.2K	1/4W	[M]	R558	ERDS2TJ102T	1K	1/4W	/ [N
R133		1K 1/4W [M	Ή—	ERDS2TJ102T	1K	·		R503	 	10K	1/4W	[M]	R561	ERDS2TJ332T	3.3K	1/4W	/ [N
R134		1K 1/4W [M	11-		1K			R504		10K	1/4W	[M]	R562	ERDS2TJ332T	3.3K	1/4W	/ [N

Ref No.	Part No.	Values & Remarks	Ref No.	Part No.	Values & Remarks	Ref No	. Part No.	Values & Remarks	Ref No	. Part No.	Value	s & Remark
R563	ERDS2TJ104T	100K 1/4W [M]	R642	ERDS2TJ221T	220 1/4W [M]	R712	ERDS2TJ682T	6.8K 1/4W [M]	R920	ERDS2TJ271T	270	1/4W [M
R564	ERDS2TJ104T	100K 1/4W [M]	-	ERDS2TJ221T	220 1/4W [M]	R713	ERDS2TJ390T	39 1/4W [M]	R921	ERDS2TJ121T	120	1/4W [N
R565	ERDS2TJ102T	1K 1/4W [M]	R644	ERDS2TJ221T	220 1/4W [M]	R714	ERDS2TJ390T	39 1/4W [M]	R922	ERDS2TJ472T	4.7K	1/4W [N
R566	ERDS2TJ102T	1K 1/4W [M]	R645	ERG1SJ101E	100 1W [M]A	R721	ERDS1FVJ471T	470 1/2W [M]/1	R929	ERDS2TJ101T	+	1/4W [N
R567	ERDS2TJ101T	100 1/4W [M]	R646	ERG1SJ101E	100 1W [M]	R722	ERDS2TJ392T	3.9K 1/4W [M]	R930	ERDS2TJ101T	100	1/4W [N
R568	ERDS2TJ101T	100 1/4W [M]	R647	ERG1SJ101E	100 1W [M]A	R723	ERDS1FVJ100T	10 1/2W [M]/1\(\hat{L}\)	R936	ERDS2TJ104T	100K	1/4W [N
R569	ERDS2TJ332T	3.3K 1/4W [M]	R648	ERG1SJ101E	100 1W [M]A	R724	ERDS1FVJ100T	10 1/2W [M]/Î	R937	ERDS2TJ104T	100K	1/4W [N
R601	ERDS2TJ102T	1K. 1/4W [M]	R649	ERD25FVJ151T	150 1/4W [M]	R725	ERDS2TJ102T	1K 1/4W [M]	R943	ERDS2TJ102T	1K	1/4W [N
R602	ERDS2TJ102T	1K 1/4W [M]	R650	ERD25FVJ151T	150 1/4W [M]	R726	ERDS1FVJ471T	470 1/2W [M]/1	R944	ERDS2TJ104T	100K	1/4W [N
R603	ERDS2TJ102T	1K 1/4W [M]	R652	ERD25FVJ4R7T	4.7 1/4W [M]	R731	ERD25FVJ100T	10 1/4W [M]	R945	ERDS2TJ104T	100K	1/4W [M
R604	ERDS2TJ102T	1K 1/4W [M]	R653	ERDS2TJ682T	6.8K 1/4W [M]	R732	ERDS2TJ153T	15K 1/4W [M]	R946	ERDS2TJ103T	10K	1/4W [N
R605	ERDS2TJ392T	3.9K 1/4W [M]	R654	ERDS2TJ682T	6.8K 1/4W [M]	R733	ERDS2TJ123T	12K 1/4W [M]	R947	ERDS2TJ103T	10K	1/4W [M
R606	ERDS2TJ392T	3.9K 1/4W [M]	R656	ERDS2TJ681T	680 1/4W [M]	R734	ERDS2TJ103T	10K 1/4W [M]	R948	ERDS2TJ103T	10K	1/4W [M
R607	ERDS2TJ223T	22K 1/4W [M]	R657	ERDS2TJ333T	33K 1/4W [M]	R735	ERDS2TJ103T	10K 1/4W [M]	R949	ERDS2TJ103T	10K	1/4W [M
R608	ERDS2TJ223T	22K 1/4W [M]	R658	ERDS2TJ333T	33K 1/4W [M]	R739	ERD25FVJ180T	18 1/4W [M]	R950	ERDS2TJ102T	1K	1/4W [M
R609	ERDS2TJ222T	2.2K 1/4W [M]	R659	ERDS2TJ183T	18K 1/4W [M]	R740	ERDS2TJ393T	39K 1/4W [M]	R951	ERDS2TJ122T	1.2K	1/4W [N
R610	ERDS2TJ222T	2.2K 1/4W [M]	R660	ERDS2TJ224T	220K 1/4W [M]	R742	ERDS2TJ393T	39K 1/4W [M]	R952	ERDS2TJ152T	1.5K	1/4W [M
R611	ERDS2TJ222T	2.2K 1/4W [M]	R661	ERDS2TJ102T	1K 1/4W [M]	R743	ERDS2TJ183T	18K 1/4W [M]	R953	ERDS2TJ182T	1.8K	1/4W [M
R612	ERDS2TJ222T	2.2K 1/4W [M]	R662	ERDS2TJ102T	1K 1/4W [M]	R751	ERC12UGK335D	3.3M 1/2W[M]/Î	R954	ERDS2TJ222T	2.2K	1/4W [M
R613	ERDS2TJ182T	1.8K 1/4W [M]	R663	ERDS2TJ102T	1K 1/4W [M]	R754	ERDS2TJ102T	1K 1/4W [M]	R955	ERDS2TJ332T	3.3K	1/4W [M
R614	ERDS2TJ182T	1.8K 1/4W [M]	R665	ERDS2TJ472T	4.7K 1/4W [M]	R771	ERDS2TJ473T	47K 1/4W [M]	R956	ERDS2TJ472T	4.7K	1/4W [M
R615	ERDS2TJ182T	1.8K 1/4W [M]	R666	ERDS2TJ472T	4.7K 1/4W [M]	R772	ERDS2TJ473T	47K 1/4W [M]	R957	ERDS2TJ682T	6.8K	1/4W [M
R616	ERDS2TJ182T	1.8K 1/4W [M]	R681	ERDS2TJ270T	27 1/4W [M]	R773	ERDS2TJ103T	10K 1/4W [M]	R960	ERDS2TJ102T	1K	1/4W [M
R617	ERDS2TJ563T	56K 1/4W [M]	R682	ERDS2TJ270T	27 1/4W [M]	R774	ERDS2TJ335T	3.3M 1/4W [M]	R961	ERDS2TJ122T	1.2K	1/4W [M
R618	ERDS2TJ563T	56K 1/4W [M]	R683	ERDS2TJ270T	27 1/4W [M]	R775	ERDS2TJ331T	330 1/4W [M]	R962	ERDS2TJ152T	1.5K	1/4W [M
R619	ERDS2TJ563T	56K 1/4W [M]	R684	ERDS2TJ270T	27 1/4W [M]	R776	ERDS1FVJ4R7T	4.7 1/4W [M]	R963	ERDS2TJ182T	1.8K	1/4W [M
R620	ERDS2TJ563T	56K 1/4W [M]	R685	ERDS2TJ270T	27 1/4W [M]	R777	ERDS2TJ224T	220K 1/4W [M]	R964	ERDS2TJ222T	2.2K	1/4W [M
R621	ERDS2TJ470T	- '		ERDS2TJ270T	27 1/4W [M]	R778	ERDS2TJ472T	4.7K 1/4W [M]	R970	ERDS2TJ102T	1K	1/4W [M
R622	ERDS2TJ470T	47 1/4W [M]	R687	ERDS2TJ270T	27 1/4W [M]	R779	ERDS2TJ103T		R971	ERDS2TJ122T	1.2K	1/4W [M
	ERDS2TJ470T	47 1/4W [M]	—	ERDS2TJ270T	27 1/4W [M]		ERDS2TJ470T	47 1/4W [M]	R972	ERDS2TJ152T	1.5K	1/4W [M
	ERDS2TJ470T		\vdash	ERDS2TJ270T	27 1/4W [M]	R783	ERDS2TJ103T	10K 1/4W [M]		ERDS2TJ182T	1.8K	1/4W [M
 			h	ERDS2TJ270T	27 1/4W [M]		ERDS2TJ154T	150K 1/4W [M]	<u> </u>	ERDS2TJ222T		1/4W [M
	ERDS1FVJ100T	10 1/2W [M]/\bar{\text{\Lambda}}	h	ERDS2TJ270T	27 1/4W [M]	R785	ERDS2TJ103T	10K 1/4W [M]				1/4W [M
 	ERDS1FVJ100T	10 1/2W [M]/\bar{\text{\tint{\text{\tin}\text{\tint{\text{\ti}\text{\tin}\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\tex{\tex	h	ERDS2TJ270T	27 1/4W [M]		ERDS2TJ154T	150K 1/4W [M]			 	1/4W [M
	ERDS1FVJ100T	10 1/2W [M]/	l	ERDS2TJ270T	27 1/4W [M]		ERDS2TJ223T	22K 1/4W [M]			 	1/4W [M
 	ERDS2TJ104T		h	ERDS2TJ270T	27 1/4W [M]	R788	ERDS2TJ223T	22K 1/4W [M]				1/4W [M
	ERDS2TJ124T	120K 1/4W [M]	\vdash	ERDS2TJ102T	1K 1/4W [M]	R789	ERDS2TJ223T	22K 1/4W [M]	H		ļ	1/4W [M
	ERDS2TJ154T	150K 1/4W [M]		ERDS2TJ102T	1K 1/4W [M]	R790	ERDS2TJ223T	22K 1/4W [M]				1/4W [M
	ERDS2TJ184T	180K 1/4W [M] 47K 1/4W [M]	 	ERDS2TJ332T	3.3K 1/4W [M]	R793	ERDS2TJ682T	6.8K 1/4W [M]				1/4W [M
	ERDS2TJ473T ERDS2TJ684T				3.9 1/2W [M]/1\	R794	ERDS2TJ682T	6.8K 1/4W [M]				1/4W [M
	ERDS2TJ154T	680K 1/4W [M] 150K 1/4W [M]	-	ERDS1FVJ3R9T ERDS2TJ472T	3.9 1/2W [M]/\frac{1}{2} 4.7K 1/4W [M]	R901 R906	ERDS2TJ102T			ERDS2TJ332T		1/4W [M
			 				ERDS2TJ182T	1.8K 1/4W [M]				1/4W [M
<u> </u>	ERDS2TJ104T	680K 1/4W [M]	-	ERDS2TJ102T	1K 1/4W [M]		ERDS2TJ104T	100K 1/4W [M]	hi		<u> </u>	1/4W [M
		56K 1/4W [M]		ERD25FVJ221T	220 1/4W [M]	R908	ERDS2TJ104T	100K 1/4W [M]				1/4W [M
\vdash			1	ERDS2TJ152T	1.5K 1/4W [M]	R909	ERDS2TJ104T	100K 1/4W [M]				1/4W [M
 		33K 1/4W [M]		ERDS2TJ1R5T	1.5 1/4W [M]	R910	ERDS2TJ102T	1K 1/4W [M]				1/4W [M
 	ERDS2TJ473T	47K 1/4W [M]		ERDS2TJ1R5T	1.5 1/4W [M]	R911	ERDS2TJ104T	100K 1/4W [M]	h			1/4W [M
R641	ERDS2TJ221T	220 1/4W [M]	[n/11	ERDS2TJ752T	7.5K 1/4W [M]	H91/	ERDS2TJ103T	10K 1/4W [M]	H1056	ERDS2TJ473T	47K	1/4W [M

Ref No.	Part No.	Values & Remar	ks	Ref No.	Part No.	Values	&Rem	arks	Ref No.	Part No.	Value	s & Ren	narks	Ref No.	Part No.	Values	s & Rem	narks
R1061	ERDS2TJ222T	2.2K 1/4W [N	4]	C137	ECBT1H271KB5	270P	50V	[M]	C426	ECBT1H101KB5	100P	50V	[M]	C533	ECEA1CKA220B	22	16V	[M]
		*	1	C138	ECBT1H271KB5	270P	50V	[M]	C427	ECBT1H101KB5	100P	50V	[M]	C534	ECEA1CKA220B	22	16V	[M]
	CAPACITORS		1	C141	ECEA1HKA010B	1	50V	[M]	C428	ECBT1H101KB5	100P	50V	[M]	C536	ECBT1E103ZF5	0.01	25V	[M]
			11	C142	ECEA1HKA010B	1	50V	[M]	C431	ECEA1CKA100B	10	16V	[M]	C551	ECEA1HKA3R3B	3.3	50V	[M]
C1	ECBT1H5R6KC5	5.6P 50V [N	Лĵ	C143	ECEA1HKA010B	1	50V	[M]	C432	ECEA1CKA100B	10	16V	[M]	C552	ECEA1HKA3R3B	3.3	50V	[M]
C2	RCBS1H102KBY	1000P 50V [N	4]	C144	ECEA1HKA010B	1	50V	[M]	C440	ECBT1E103ZF5	0.01	25V	[M]	C553	ECBT1H101KB5	100P	50V	[M]
СЗ	ECBT1H2R2KC5	2.2P 50V [N	7]	C145	ECBT1H220JC5	22P	50V	[M]	C451	ECEA1VKA4R7B	4.7	35V	[M]	C554	ECBT1H101KB5	100P	50V	[M]
C4	ECBT1H181KB5	180P 50V [N	۸ <u>]</u> [ر	C146	ECBT1H331KB5	330P	50V	[M]	C452	ECEA1VKA4R7B	4.7	35V	[M]	C555	ECBT1H221KB5	220P	50 V	[M]
C5	ECBT1H5R6KC5	5.6P 50V [N	л] [C147	ECBT1H102KB5	1000F	50V	[M]	C453	ECBT1H101KB5	100P	50V	[M]	C556	ECBT1H221KB5	220P	50V	[M]
C6	ECBT1H3R3KC5	3.3P 50V [N	<u>ار</u> ر	C148	ECBT1C103NS5	0.01	16V	[M]	C454	ECBT1H101KB5	100P	50V	[M]	C557	ECBT1E103ZF5	0.01	25V	[M]
C7	ECBT1H4R7KC5	4.7P 50V [N	л] Г	C149	ECBT1C103NS5	0.01	16V	[M]	C455	ECBT1H102KB5	10001	50V	[M]	C558	ECBT1E103ZF5	0.01	25V	[M]
C8	ECBT1H3R3KC5	3.3P 50V [N	л	C150	ECBT1H104ZF5	0.1	50V	[M]	C456	ECBT1H102KB5	10001	50V	[M]	C559	ECEA1CKA100B	10	16V	[M]
C9	ECBT1H2R2KC5	2.2P 50V [N	л] [C172	ECBT1H331KB5	330P	50V	[M]	C457	ECA1CM330B	33	16V	[M]	C560	ECEA1CKA100B	10	16V	[M]
C10	ECBT1H180JC5	18P 50V [N	л]	C173	ECEA1CKA220B	22	16V	[M]	C458	ECA1CM330B	33	16V	[M]	C561	ECA1HM3R3B	3.3	50V	[M]
C11	RCBS1H102KBY	1000P 50V [N	л] 	C174	ECEA1CKA100B	10	16V	[M]	C459	ECFR1E223KR	0.022	25V	[M]	C562	ECA1HM3R3B	3.3	50 V	[M]
C101	ECBT1C103NS5	0.01 16V [N	/]	C175	ECBT1C103NS5	0.01	16V	[M]	C460	ECFR1E223KR	0.022	25V	[M]	C563	ECBT1H104ZF5	0.1	50 V	[M]
C103	ECBT1C103NS5	0.01 16V [N	1]	C196	ECBT1H102KB5	10001	- 50V	[M]	C461	ECFR1E682KR	68001	25V	[M]	C601	ECEA1CKA220B	22	16V	[M]
C104	ECBT1H102KB5	1000P 50V [N	/]	C330	ECBT1H470J5	47P	50V	[M]	C462	ECFR1E682KR	68001	25V	[M]	C602	ECEA1CKA220B	22	16V	[M]
C105	ECBT1H102KB5	1000P 50V [M	<u>ار</u> ر	C331	ECBT1H470J5	47P	50V	[M]	C463	ECEA1VKA4R7B	4.7	35V	[M]	C603	ECEA1VKA4R7B	4.7	35V	[M]
C106	ECBT1C103NS5	0.01 16V [N	4]	C351	ECA1CM101B	100	16V	[M]	C464	ECEA1VKA4R7B	4.7	35V	[M]	C604	ECEA1VKA4R7B	4.7	35V	. [M]
C107	ECBT1H473ZF5	0.047 50V [N	<u>ا</u> [ار	C352	ECA1CM101B	100	16V	[M]	C465	ECBT1E103ZF5	0.01	25V	[M]	C605	ECA1JM330B	33	6.3V	[M]
C108	ECBT1H8R2KC5	8.2P 50V [N	ΛŢ	C354	ECBT1E103ZF5	0.01	25V	[M]	C466	ECBT1E103ZF5	0,01	25V	[M]	C606	ECA1JM330B	33	6.3V	[M]
C109	ECBT1C103NS5	0.01 16V [N	ИJ	C355	ECBT1E103ZF5	0.01	25V	[M]	C503	ECEA0JKA101B	100	6.3V	[M]	C607	ECA1JM330B	33	6.3V	[M]
C110	ECBT1C103NS5	0.01 16V [M	N]	C357	ECBT1E103ZF5	0.01	25V	[M]	C504	ECEA0JKA101B	100	6.3V	[M]	C608	ECA1JM330B	33	6.3V	[M]
C111	ECEA1EKA4R7B	4.7 25V [N	۷)	C358	ECBT1E103ZF5	0.01	25V	[M]	C505	ECFR1C104MR	0.1	16V	[M]	C609	ECCR1H120KC5	12P	50V	[M]
C112	ECBT1C103NS5	0.01 16V [N	۷]	C373	ECA1EM470B	47	25V	[M]	C506	ECFR1C104MR	0.1	16V	[M]	C610	ECCR1H120KC5	12P	50 V	[M]
C113	ECBT1H102KB5	1000P 50V [۷]	C374	ECA1EM470B	47	25V	[M]	C511	ECEA1HKA3R3B	3.3	50V	[M]	C611	ECCR1H120KC5	12P	50 V	[M]
C114	ECEA1HKA3R3B	3.3 50V [N	vI]	C401	ECEA1VKA4R7B	4.7	35V	[M]	C512	ECEA1HKA3R3B	3.3	50 V	[M]	C612	ECCR1H120KC5	12P	50V	[M]
C115	ECEA1EKA4R7B	4.7 25V [f	vi]	C402	ECEA1VKA4R7B	4.7	35V	[M]	C513	ECBT1H150J5	15P	50V	[M]	C613	ECBT1H821KB5	820P	50V	[M]
C116	ECBT1C822MS5	8200P 16V [νI]	C403	ECBT1E103ZF5	0.01	25V	[M]	C514	ECBT1H150J5	15P	50V	[M]	C614	ECBT1H821KB5	820P	50 V	[M]
C117	ECQB1H821JF3	820P 50V [vI]	C404	ECBT1E103ZF5	0.01	25V	[M]	C515	ECBT1H221KB5	220P	50V	[M]	C615	ECBT1H821KB5	820P	50 V	[M]
C118	ECFR1E183KR	0.018 25V [I	M]	C405	ECBT1H101KB5	100P	50V	[M]	C516	ECBT1H221KB5	220P	50V	[M]	C616	ECBT1H821KB5	820P	50 V	[M]
C119	ECFR1E183KR	0.018 25V [I	νj	C406	ECBT1H101KB5	100P	50V	[M]	C517	ECBT1H330J5	33P	50V	[M]	C617	ECQV1H473JZ3	0.047	50V	[M]
C120	ECEA1HKA010B	1 50V [f	и]	C409	ECEA1CKA220B	22	16V	[M]	C518	ECBT1H330J5	33P	50V	[M]	C618	ECQV1H473JZ3	0.047	50V	[M]
C121	ECEA1HKA010B	1 50V [I	۷ij	C410	ECEA1CKA220B	22	16V	[M]	C519	ECEA1VKA4R7B	4.7	35V	[M]	C619	ECQV1H473JZ3	0.047	50V	[M]
C122	ECEA1HKA2R2B	2.2 50V [f	и]	C411	ECBT1H101KB5	100P	50V	[M]	C520	ECEA1VKA4R7B	4.7	35V	[M]	C620	ECQV1H473JZ3	0.047	50 V	[M]
C123	ECEA1HKA010B	1 50V [t	и]	C412	ECBT1H101KB5	100P	50V	[M]	C521	ECEA1VKA4R7B	4.7	35V	[M]	C621	ECEA2AU100B	10	100V	[M]
C124	ECBT1H102KB5	1000P 50V [I	и]	C415	ECBT1E103ZF5	0.01	25V	[M]	C522	ECEA1VKA4R7B	4.7	35V	[M]	C622	ECEA1HN010SB	1	50V	[M]
C125	ECBT1H150JC5	15P 50V [VI]	C416	ECBT1E103ZF5	0.01	25V	[M]	C523	ECFR1E123KR	0.012	25V	[M]	C623	ECA1HM470B	47	50V	[M]
C126	ECBT1H104ZF5	0.1 50V [I	M]	C417	ECBT1H101KB5	100P	50V	[M]	C524	ECFR1E123KR	0.012	25V	[M]	C624	ECEA2AN2R2SB	2.2	100V	[M]
C127	ECEA1CKA220B	22 16V [I	M]	C418	ECBT1H101KB5	100P	50V	[M]	C525	ECQV1H683JM3	0.068	50V	[M]	C625	ECEA1HN100SB	10	50 V	[M]
C128	ECBT1C103NS5	0.01 16V [I	M]	C419	ECBT1H101KB5	100P	50V	[M]	C526	ECQV1H683JM3	0.068	50V	[M]	C626	ECEA1HN100SB	10	50 V	[M]
C129	ECEA0JKA101B	100 6.3V [I	W]	C420	ECBT1H101KB5	100P	50V	[M]	C527	ECBT1C562KR5	5600	P 16V	[M]	C635	ECEA1VKA4R7B	4.7	35V	[M]
C130	ECEA0JKA101B	100 6.3V [I	νj	C421	ECBT1H101KB5	100P	50V	[M]	C528	ECBT1C562KR5	5600	P 16V	[M]	C636	ECEA1HN010SB	1	50 V	[M]
C131	ECBT1C103NS5	0.01 16V [I	M]	C422	ECBT1H101KB5	100P	50V	[M]	C529	ECQB1H273JF3	0.027	50V	[M]	C685	ECBT1E103ZF5	0.01	25V	[M]
C132	ECBT1H102KB5	1000P 50V [I	M]	C423	ECBT1H101KB5	100P	50V	[M]	C530	ECQB1H273JF3	0.027	50V	[M]	C701	ECBT1E103ZF5	0.01	25V	[M]
C133	ECBT1H150JC5	15P 50V [I	VI]	C424	ECBT1H101KB5	100P	50V	[M]	C531	ECBT1E103ZF5	0.01	25V	[M]	C702	ECQE2104KF3	0.1	250V	' [M]
C134	ECBT1H180JC5	18P 50V [I	M]	C425	ECBT1H101KB5	100P	50V	[M]	C532	ECBT1E103ZF5	0.01	25V	[M]	C703	EC0S1JP682CB	6800	63V[N	л] <u>(î</u>

D.C.N.	Dord No.	X7-1	- 6- D		D.CN-	D. A.		0 D		D 637	D. A.			D 631		
Ref No		-		Δ	Ref No		-	es & Rei		Ref No.		Values & Ren		Ret No	Part No.	Values & Remarks
C704	EC0S1JP682CB	+	63V[I		l	ECA1HM010B	1	50V	[M]	C1060	ECBT1E223ZF5	0.022 25V	[M]			
C705	EC0S1VP562BB	5600			C1003	ECA1HM3R3B	3.3	50V	[M]	C1062	ECBT1E223ZF5	0.022 25V	[M]			
C706	EC0S1VP562BB	5600			C1004	ECA1HM3R3B	3.3	50V	[M]	C1063	ECEA1CU101B	100 16V	[M]			
C707	ECA1VM101B	100	35V[N	/] <u>/1\</u>	C1005	ECA1HM010B	1	50 V	[M]	C1065	ECBT1H681KB5	680P 50V	[M]			
C708	ECKR1H103ZF5	0.01	50 V	[M]	C1007	ECFR1E223KR	0.02	2 25V	[M]	C1067	ECBT1C152KR5	1500P 16V	[M]			
C709	ECA1CM330B	33	16V	[M]	C1008	ECFR1E473KR	0.04	7 25V	[M]	C1068	ECBT1C152KR5	1500P 16V	[M]			
C710	ECBT1E103ZF5	0.01	25V	[M]	C1009	ECEA0JU221B	220	6.3V	[M]							
C711	ECKR1H103ZF5	0.01	50V	[M]	C1010	ECEA1CKA100B	10	16V	[M]			,				
C712	ECA1HM100B	10	50 V	[M]	C1011	ECEA1CKA100B	10	16V	[M]							
C713	ECKR1H103ZF5	0.01	50 V	[M]	C1012	ECEA1CKA100B	10 •	16V	[M]							
C714	ECA1EM470B	47	25V	[M]	C1013	ECEA1CKA100B	10	16V	[M]	<u> </u>						
C715	ECEA1CU101B	100	16V	[M]	C1014	ECEA0JU221B	220	6.3V	[M]			-				
C721	ECQE2104KF3	0.1	250V	[M]	C1015	ECQV1H104JM3	0.1	50V	[M]							
C731	ECKR1H103ZF5	0.01	50V	[M]	C1016	ECQV1H104JM3	0.1	50V	[M]							
C732	ECKR1H103ZF5	0.01	50V	[M]	C1017	ECA1HMR47B	0.47	50 V	[M]							
C751	ECKWNS102MBM	1000F	2 1 40€	V[M]	C1018	ECEA1VKA4R7B	4.7	35V	[M]							
C752	ECKR1H103ZF5	0.01	50V	[M]	C1019	ECA1HMR47B	0.47	50V	[M]							
C753	ECA1EM102B	1000	25V[N	Λ <u>]</u> [[١	C1020	ECEA1VKA4R7B	4.7	35V	[M]							
C754	ECBT1E103ZF5	0.01	25V	[M]	C1021	ECEA1HKAR15B	0.15	50V	[M]							
C755	ECA1CM470B	47	16V	[M]	C1022	ECA1HM3R3B	3.3	50 V	[M]							
C757	ECA1CM100B	10	16V	[M]	C1023	ECQV1H154JZ3	0.15	50V	[M]							
C771	ECEA1VKA4R7B	4.7	35V	[M]	C1024	ECQV1H154JZ3	0.15	50V	[M]							
C772	ECEA1VKA4R7B	4.7	35V	[M]	C1025	ECA1HM3R3B	3.3	50V	[M]		1000	-				
C773	ECBT1E223ZF5	0.022	25V	[M]	C1026	ECEA1HKAR15B	0.15	50V	[M]							
C774	ECEA0JKA101B	100	6.3V	[M]	C1027	ECEA1VKA4R7B	4.7	35V	[M]				\neg			
C775	ECBT1E223ZF5	0.022	25V	[M]	C1028	ECA1HMR47B	0.47	50V	[M]							
C901	ECA0JM102B	02	6.3V	[M]	C1029	ECEA1VKA4R7B	4.7	35V	[M]							
C902	ECBT1E223ZF5	0.022	25V	[M]	C1030	ECA1HMR47B	0.47	50V	[M]							
C903	ECBT1E103ZF5	0.01	25V	[M]	C1031	ECQV1H104JM3	0.1	50V	[M]							
C904	ECA0JM102B	02	6.3V	[M]	C1032	ECQV1H104JM3	0.1	50V	[M]				\dashv			
C906	ECEA0JKA101B	100	6.3V	[M]	C1033	ECA1EM470B	47	25V	[M]							
C908	ECBT1E103ZF5	0.01	25V	[M]	C1034	ECQV1H474JM3	0.47	50V	[M]							
C909	ECEA1HKA220B	22	50V	[M]	C1035	ECBT1H681KB5	680P	50V	[M]				\neg			
C910	ECEA1HKA220B	22	50 V	[M]	C1036	ECBT1H101KB5	100P	50V	[M]				\neg			
C911	ECEA1HKA220B	22	50 V	[M]	C1037	ECBT1H101KB5	100P	50V	[M]				\exists			
C912	ECEA1HKA220B	22	50V	[M]	C1038	ECBT1H101KB5	100P	50V	[M]			2 7				
C913	ECEA1VKA100B	10	35V	[M]	C1039	ECEA1CU101B	100	16V	[M]							
C914	ECEA1VKA100B	10	35V	-		ECEA1CKA100B	10	16V	[M]							
	ECEA1HKA010B	1	50V	- 1	-	ECBT1E103ZF5	0.01	25V	[M]			-				
\vdash	ECBT1E103ZF5	0.01		÷i		ECA1HM2R2B	2.2	50V	[M]							
	ECEA1HKA010B	1	50V			ECA1HMR33B	0.33	50V	[M]							
	ECBT1H101KB5	100P				ECA1HM3R3B	3.3	50V	[M]				-+			
	ECBT1H101KB5	100P			1	ECEA0JU221B	220	6.3V					\dashv			· ·
	ECBT1H101KB5	100P		\dashv		ECA1HMR47B	-		[M] [M]	 			\dashv			
	ECBT1H101KB5					A. A		50V	[M]							
-	•	100P				ECQV1H823JZ3		2 50V	[M]				\dashv			
	ECBT1H101KB5	100P				ECFR1E332KR		P 25V	[M]	-			\dashv			
	ECBT1H101KB5	100P			\vdash	ECQV1H823JZ3		2 50V	[M]							
C1001	ECA1HM010B	1	50 V	[M]	C1059	ECEA1CU101B	100	16V	[M]			<u>L</u>				