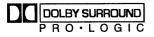
### ORDER NO. MD9708090C2

# Service Manua

**AV Control Stereo Receiver** 



Colour



Manufactured under license from Dolby Laboratories Licensing Corporation. DOLBY, the double-D symbol **DI** and "PRO LOGIC" are trademark of Dolby Laboratories Licensing Corporation.



(K)	Black Type
· · ·	

# Specifications

FM TUNER SECTION	
Frequency range	87.50 – 108.00 MHz
Sensitivity	
S/N 30 dB S/N 26 dB	1.5 μV/75 Ω 1.3 μV/75 Ω
S/N 20 dB S/N 20 dB	1.5 μV/75 Ω
IHF usable sensitivity (IHF'58)	1.5 μV/75 Ω
IHF 46 dB stereo quieting sensitivity	22 μV/75 Ω
Total harmonic distortion	0.2 %
MONO STEREO	0.2 %
S/N	
MONO	60 dB (75 dB, IHF)
STEREO	58 dB (71 dB, IHF)
Frequency response Alternate channel selectivity ± 400 kHz	20 Hz – 15 kHz (+1 dB, –2 dB) 60 dB
Capture ratio	1 dB
Image rejection at 98 MHz	40 dB
IF rejection at 98 MHz	70 dB 70 dB
Spurious response rejection at 98 MHz AM suppression	50 dB
Stereo separation	00 00
1 kHz	40 dB
Carrier leak	
19 kHz 38 kHz	–30 dB (–35 dB, IHF) –50 dB (–55 dB, IHF)
Channel balance (250 Hz – 6.3 kHz)	± 1.5 dB
Limiting point	1.2 μV
Bandwidth	180 kHz
IF amplifier FM demodulator	100 kHz
Antenna terminal	75 $\Omega$ (unbalanced)
AM TUNER SECTION Frequency range	
AM	522 kHz – 1611 kHz (9 kHz steps)
	530 kHz - 1620 kHz (10 kHz steps)
Sensitivity	20 μV, 330 μV/m 55 dB
Selectivity (at 999 kHz) Image rejection (at 999 kHz)	40 dB
IF rejection (at 999 kHz)	55 dB
VIDEO SECTION Output voltage at 1V input (unbalanced)	) 1 ± 0.1 Vp-p
Maximum input voltage	1.5 Vp-p
Input/output impedance	75 $\Omega$ (unbalanced)
AMPLIFIER SECTION	
Power output [at 240V for (EB) area]	
DIN 1 kHz (T.H.D. 1 %)	2×100 W (4 Ω)
20 Hz – 20kHz continuous power ou	
both channels driven	2×65 W (8 Ω)

Total harmonic distortion	
rated power at 20 Hz – 20 kHz	0.05 % (8 Ω)
half power at 1 kHz	0.03 % (8 Ω)
Power output at the Dolby Pro Logic operation	
DIN 1 kHz (T.H.D. 1 %)	
Front	$2 \times 60 \text{ W} (4 \Omega)$
Center	60 W (8 Ω)
Surround	2×60 W (8 Ω)
Intermodulation distortion	
rated power at 60 Hz : 7 kHz = 4 : 1, SMPTE	0.5 % (8 Ω)
Power bandwidth	
both channels driven, -3 dB	10 Hz – 40 kHz (8 Ω)
Damping factor	30 (8 Ω)
Load impedance	4 – 16 Ω
Front A or B	4 – 16 Ω 8 – 16 Ω
A and B	8 – 16 Ω
Center	$8 - 16 \Omega$
Surround	8 - 10 12
Frequency response	(30 Hz – 15 kHz) ±0.8 dB
PHONO RIAA standard curve	$10 \text{ Hz} = 40 \text{ kHz}, \pm 3 \text{ dB}$
CD, TAPE, TV/VCR2, VCR1, DVD	$10 \text{ Hz} = 40 \text{ kHz}, \pm 3 \text{ GD}$
Input sensitivity and impedance PHONO	3 mV/47 kΩ
CD, TAPE, TV/VCR2, VCR1, DVD	200 mV/22 kΩ
S/N at rated power (8 $\Omega$ )	200 1111/22 832
PHONO	70 dB (IHF, A : 80 dB)
CD, TAPE, TV/VCR2, VCR1, DVD	75 dB (IHF, A : 85 dB)
Tone controls	/ 0 0 D (IIII , / 1 0 0 0 D)
BASS	50 Hz. +10 to -10 dB
TREBLE	20 kHz, +10 to -10 dB
Output voltage	
TAPE REC (OUT), VCR1 out	200 mV
Channel balance (250 Hz – 6.3 kHz)	±1 dB
Channel separation	55 dB
Loudness control (volume at –30 dB)	50 Hz, +9 dB
Headphones output level and impedance	430 mV/330 Ω
Subwoofer frequency response	7 Hz – 100 Hz, ±3dB
GENERAL	
Power consumption 220 W (	In standby condition : 3 W)
Power supply	
For (E) and (EG) areas	AC 230 V, 50 Hz
For (EB) area	AC 230 – 240 V, 50 Hz
Dimensions ( $W \times H \times D$ )	430 × 158 × 312 mm
Weight	9.6 kg
Notes:	
<ol> <li>Specifications are subject to change without notice</li> </ol>	

1. Specifications are subject to change without notice.

Weight and dimensions are approximate. 2. Total harmonic distortion is measured by the digital spectrum analyzer.

# **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.



© 1997 Matsushita Electric Industrial Co., Ltd. All rights reserved. Unauthorized copying and distribution is a violation of law.

# Contents

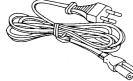
Accessories	2
Before Repair	2
Protection Circuitry	
Caution for AC Main Lead	
Front Panel Controls	4
Equipment Connections	5 – 8
Speaker Connections	9, 10
Basic Operations	11, 12
Enjoying RDS Broadcasts	13, 14
Enjoying Sound with DOLBY PRO LOGIC	15 – 17
Enjoying Sound with 6 Channel Discrete	18

	Page
Operation Checks and Main Component Replacement Proc	cedures 19 - 23
Fan Motor Troubleshooting	
Troubleshooting	25 – 28
Schematic Diagram	29 – 42
Printed Circuit Board and Wiring Connection Diagran	n 43 – 50
Wiring Connection Diagram	
Block Diagram	
Replacement Parts List	59 – 64
Packaging	64
Cabinet Parts Location	

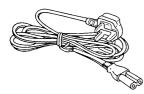
FM indoor antenna

# Accessories

- AC power supply cord
- [for (E) and (EG) areas] : (RJA0019-2K) .. 1 pc.



[for (EB) area] : (VJA0733) .....1 pc.

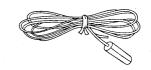


Batteries

(RSA0010) ..... 1 pc.

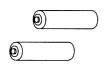
Page

· AM loop antenna set



(RSA0007) ..... 1 pc.

- Remote control transmitter (RAK-SA750WHP) ..... 1 pc.
- Attachment plug (SJP9009)..... 1 pc.





# Before Repair

- (1) Turn off the power supply. Using a 10 Ω, 10 W resistor, connect both ends of power supply capacitors (C703, C704, C705, C706) in order to discharge the voltage.
- (2) Before turning the power supply on, after completion of repair, slowly apply the primary voltage by using a power supply voltage controller to make sure that the consumed current at 50 Hz in NO SIGNAL mode should be shown below with respect to supply voltage 230 V or 240 V.

Power supply voltage	AC 230 V	AC 240 V
Consumed current 50 Hz	120 ~ 350 mA	130 ~ 380 mA

# Protection Circuitry

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

- No sound is heard when the power is switched 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 this unit are used. If this occurs, follow the procedure outlined below:
- 1. Switch OFF the power.
- 2. Determine the cause of the cause of the problem and correct it.
- 3. Switch ON the power once again.

### Note:

When the protection circuitry functions, the unit will not operate unless the power is first switched OFF and then ON again.

# Caution for AC Main Lead

("EB" area code model only)

For your safety, please read the following text carefully.

This appliance is supplied with a moulded three pin mains plug for your safety and convenience.

A 5-ampere fuse is fitted in this plug.

Should the fuse need to be replaced please ensure that the replacement fuse has a rating of 5-ampere and that it is approved by ASTA or BSI to BS1362.

Check for the ASTA mark  $\circledast$  or the BSI mark  $\heartsuit$  on the body of the fuse.

If the plug contains a removable fuse cover you must ensure that it is refitted when the fuse is replaced.

If you lose the fuse cover the plug must not be used until a replacement cover is obtained.

A replacement fuse cover can be purchased from your local dealer.

# **CAUTION!**

IF THE FITTED MOULDED PLUG IS UNSUITABLE FOR THE SOCKET OUTLET IN YOUR HOME THEN THE FUSE SHOULD BE REMOVED AND THE PLUG CUT OFF AND DISPOSED OF SAFETY. THERE IS A DANGER OF SEVERE ELECTRICAL SHOCK IF THE CUT OFF PLUG IS INSERTED INTO ANY 13-AMPERE SOCKET.

If a new plug is to be fitted please observe the wiring code as shown below.

If in any doubt please consult a qualified electrician.

# IMPORTANT

The wires in this mains lead are coloured in accordance with the following code:

Blue: Neutral, Brown: Live.

As these colours may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:

The wire which is coloured Blue must be connected to the terminal which is marked with the letter N coloured Black or Blue.

The wire which is coloured Brown must be connected to the terminal which is marked with letter L or coloured Brown or Red.

WARNING: DO NOT CONNECT EITHER WIRE TO THE EARTH TERMINAL WHICH IS MARKED WITH LETTER E, BY THE EARTH SYMBOL  $\pm$  OR COLOURED GREEN OR GREEN/YELLOW.

THIS PLUG IS NOT WATERPROOF-KEEP DRY.

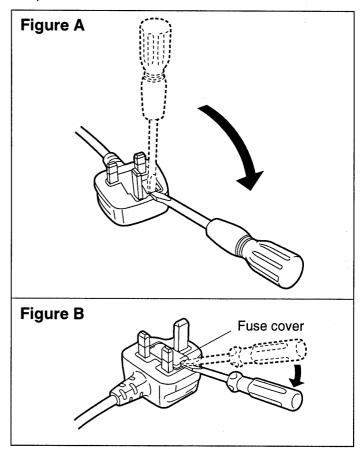
# Before use

Removal the connector cover.

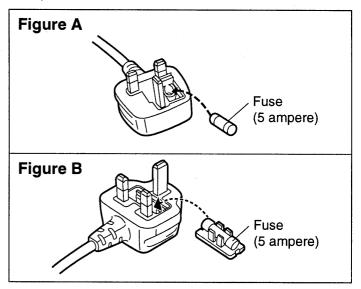
# How to replace the fuse

The location of the fuse differ according to the type of AC mains plug (figures A and B). Confirm the AC mains plug fitted and follow the instructions below. Illustrations may differ from actual AC mains plug.

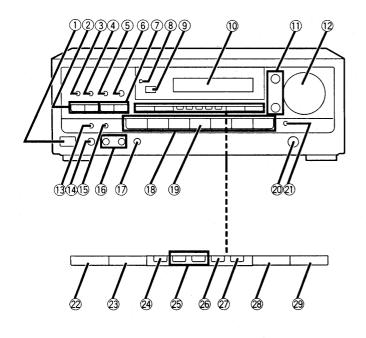
1. Open the fuse cover with a screwdriver.



2. Replace the fuse and close or attach the fuse cover.



# Front Panel Controls



### ① Power "STANDBY ☆/ON" switch (POWER, STANDBY ☆/ON)

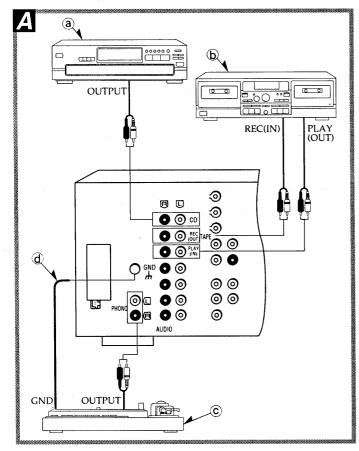
Press to switch the unit from on to standby mode or vice versa. In standby mode, the unit is still consuming a small amount of power.

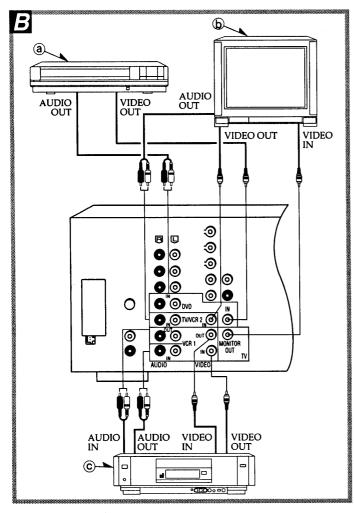
- **②** Tuning buttons (TUNING)
- **③ Band select button (BAND)**
- (4) FM mode select button (FM AUTO/MONO)
- **(5) Memory button (MEMORY)**
- Help/reset button (-HELP –RESET)
- Preset channel buttons (PRESET)
- (3) "STANDBY" indicator (STANDBY) When the unit is connected to the AC mains supply, this indicator lights up in standby mode and goes out when the unit is turned on.
- (9) Remote control signal sensor (SENSOR)
- 10 Display
- **1** Tone controls (BASS, TREBLE)
- **12** Volume control (VOLUME)
- (3) Sleep timer button (SLEEP)
- (Headphones jack (PHONES)
- (5) 6ch discrete input select button (6CH DISCRETE INPUT)
- (b) Speakers select buttons (SPEAKERS A, B)
- 1 Loudness ON/OFF button (LOUDNESS)
- (1) Input select buttons
- (9 Tape monitor button (TAPE MONITOR)
- **20** Balance control (BALANCE)
- **2** Muting button (MUTING)
- **2 DOLBY PRO LOGIC OFF ON button (OFF/ON)**
- DOLBY PRO LOGIC mode select button (DD PRO LOGIC)
- **29** RDS display mode select button (DISPLAY MODE)
- PTY select buttons (PTY SELECT)
- **8 EON ON/OFF button (EON)**
- PTY search button (SEARCH)
- **28** Delay time adjust button (DELAY TIME)
- **29** Center mode select button (CENTER MODE)

Α

В

# Equipment Connections



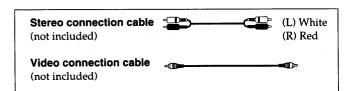


Make sure that the power supply for all components has been turned off before making any connections.

To connect equipment, refer to the appropriate operating instructions.

#### Note

Do not place books, etc., on top of this unit or block the heat radiation vents in any way.



# Connecting audio equipment

(a) CD changer (or CD player) (not included)

- (b) Tape deck (not included)
- © Turntable (not included)

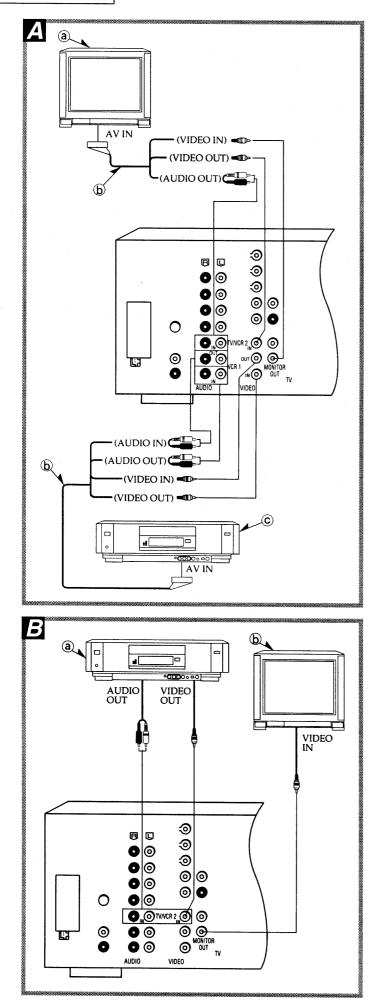
(d) Only for turntable with ground terminal

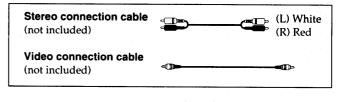
# Connecting video equipment

(a) Laser disc player (not included)

(b) TV (not included)

© VCR (not included)





# To connect a video equipment with 21 pin terminal

(a) TV (not included)

b 21 pin scart cables (not included)

© VCR (not included)

### To connect a second VCR

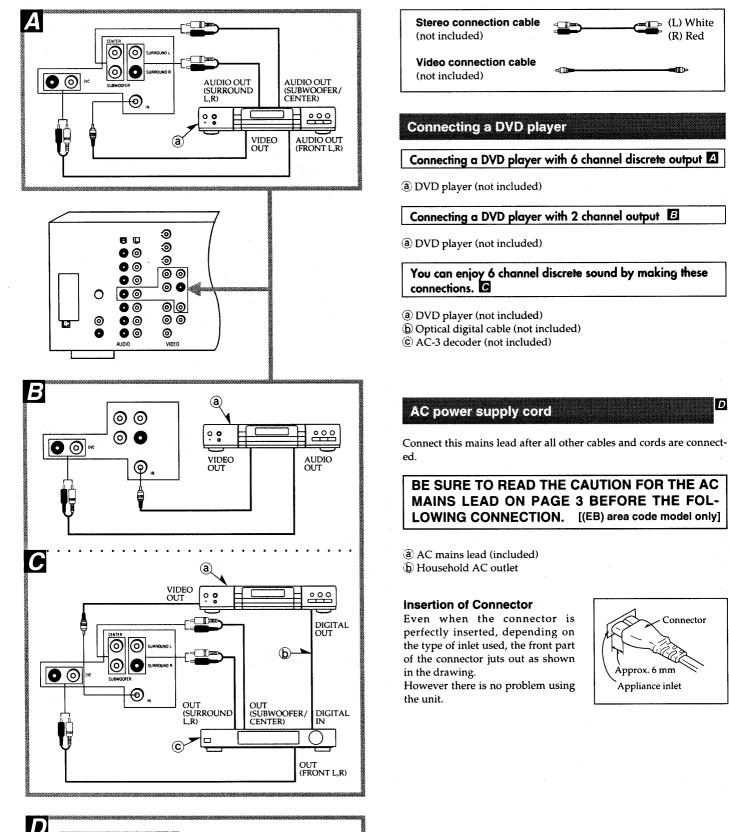


D

∎\_\_\_\_ (L) White

(R) Red

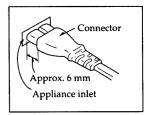
Ð

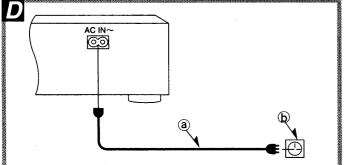


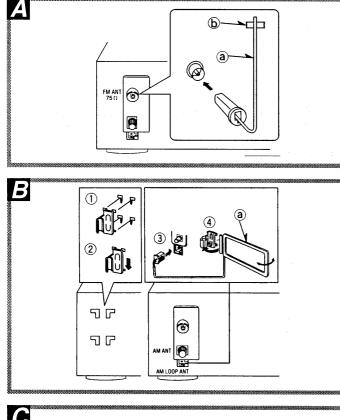
**BE SURE TO READ THE CAUTION FOR THE AC** MAINS LEAD ON PAGE 3 BEFORE THE FOL-LOWING CONNECTION. [(EB) area code model only]

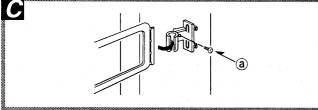
Even when the connector is perfectly inserted, depending on the type of inlet used, the front part of the connector juts out as shown

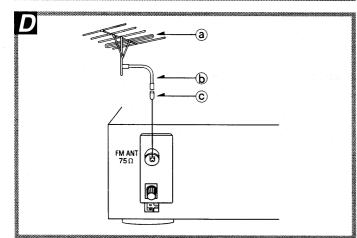
However there is no problem using

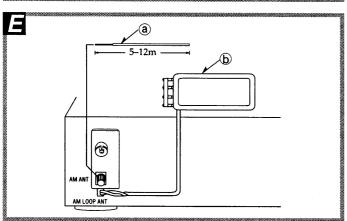












### FM indoor antenna (included)

This antenna is normally sufficient for reception of FM broadcasts. (a) FM indoor antenna (included)

A

В

D

Ε

(b) Tape

Attach to a wall (using a tape) facing in the direction of best reception.

### For best reception sound quality

An FM outdoor antenna is recommended.

### AM loop antenna (included)

This antenna is normally sufficient for reception of AM broadcasts. Install the AM antenna holder (included) at the rear panel of this unit and then attach the AM loop antenna to the AM antenna holder (facing in the direction of best reception).

# AM loop antenna (included) Rev attention to the following points when m

- Pay attention to the following points when mounting the antenna.Do not mount it horizontally (doing so will impair reception).
- Do not mount it close to power supply cords, speaker wires or metal surfaces (doing so will result in noise).
- Do not mount it close to a tape deck. When the tape deck is being used, chirping or beeping sounds may result.

### When mounting the antenna to a column, a wall or rack **G**

Mount it vertically. (a) Screw (included)

### FM outdoor antenna (not included)

The outdoor antenna should be used when using the unit in mountainous areas or in spaces enclosed by reinforced concrete where the FM indoor antenna (included) does not provide satisfactory reception.

Disconnect the FM indoor antenna if an FM outdoor antenna is installed.

(a) FM outdoor antenna (not included)

 $(\underline{b})$  75  $\Omega$  coaxial cable (not included)

© Attachment plug (included)

#### Note

An outdoor antenna should be installed by a qualified technician only.



The outdoor antenna should be used when using the unit in mountainous areas or in spaces enclosed by reinforced concrete where the AM loop antenna (included) does not provide satisfactory reception.

(a) AM outdoor antenna (not included)

**b** AM loop antenna (included)

Staretch 5 to 12 m of vinyl-covered wire horizontally across a window frame or other convenient location, keeping it as high as possible from the ground.

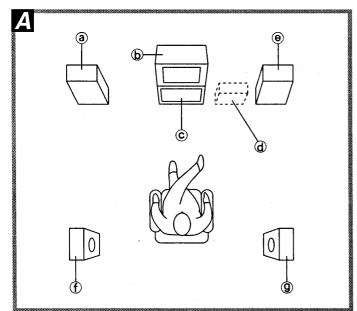
When the unit is not in use, disconnect the outdoor antenna to prevent possible damage that may be caused by lightning. Never use an outdoor antenna during an electrical storm.

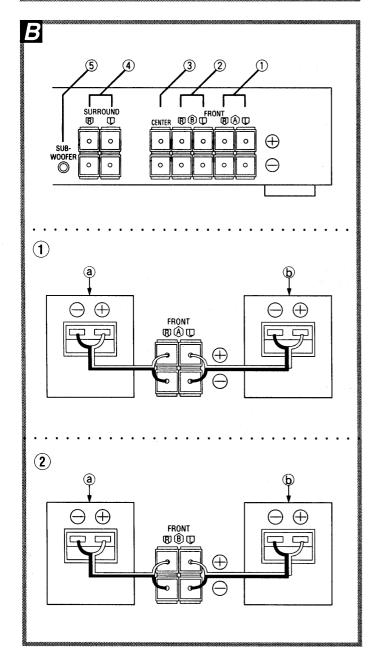
# Note

Be sure to connect the AM loop antenna even when an AM outdoor antenna is used.

Α

# Speaker Connections





### Placement of speakers

- ③ Front speaker (Left) (not included)
- (b) TV (not included)
- © Center speaker (not included)
- (d) Subwoofer (not included)
- Front speaker (Right) (not included)
- (f) Surround speaker (Left) (not included)
- (9) Surround speaker (Right) (not included)

#### For front speakers

Place the front left/right speakers at both the left and right sides of the TV at seated ear height so that there is good coherency between the picture and sound.

#### For center speaker

Place the center speaker underneath or above the center of the TV. Aim the speaker such that it is pointed at the seating area.

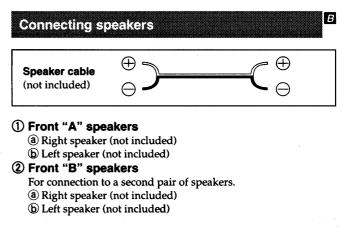
### For surround speakers

Place the surround speakers on the side of or slightly behind the listener, and about one meter higher than ear level.

#### For subwoofer

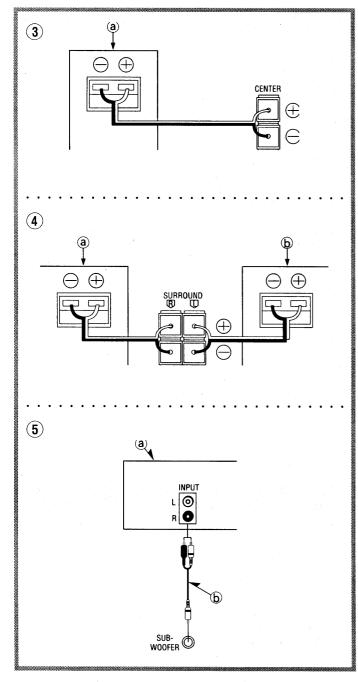
The subwoofer can be places in any position as long as it is at a reasonable distance from the TV.

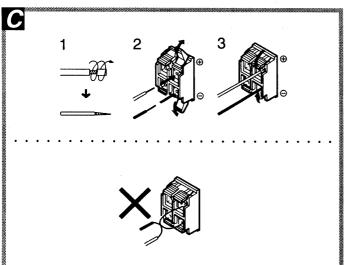
Note that some experimentation in placement of the subwoofer can yield smoothest low frequency performance. Placement near a corner can increase the apparent output level, but can result in unnatural bass.



Speaker impedance:	A or B	4-16 Ω
	A and B	8-16 Ω

#### (Continued on next page)





### **③ Center speaker**

(a) Center speaker (not included) Speaker impedance:  $8-16 \Omega$ 

#### **④** Surround speakers

a Right speaker (not included)
b Left speaker (not included)

### Note

- 1. Before sound can be heard, both surround speakers must be connected.
- 2. Do not connect the surround speakers to the front speaker terminals. The surround speakers may be damaged if connected to the front terminals.

Speaker impedance: 8-16  $\Omega$ 

#### **(5)** Subwoofer

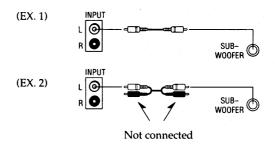
③ Subwoofer with built in amplifier (not included)
 ⑤ Monaural-Stereo converter (not included)

### Note

This receiver has no amplifier section designed especially for the subwoofer.

# For your reference

Subwoofer can be connected in both the below ways.



# To connect a subwoofer which does not have a built-in amplifier

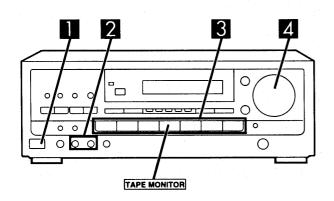
Connect an optional amplifier to the "SUBWOOFER" terminals of this unit and then connect a subwoofer to the speaker terminals of the amplifier.

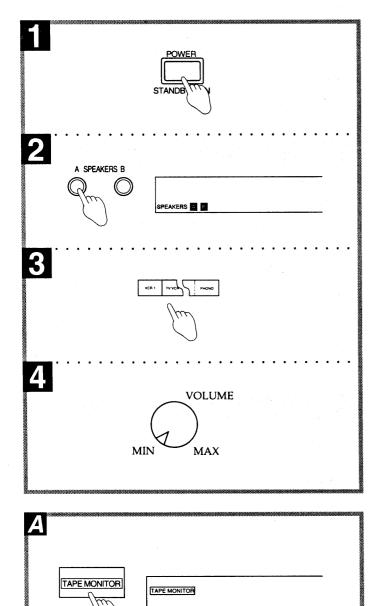
Connecting the speaker cables 🖸

### Note

To prevent damage to circuitry, never short-circuit positive (+) and negative (-) speaker wires.

# Basic Operations





Before operation, set VOLUME to the "MIN" position.

### Press POWER.

1

Press A and/or B to select the speakers system(s) to be used.

A and B refer to the speaker terminals at the rear of the unit.

If the button is pressed once more, the indicator will switch off and no sound will be heard from the speakers.

Bress to select the desired source and start the desired source.

(Refer to the appropriate operating instructions for details.)

VCR 1: To watch video tapes (VCR 1)
 TV/VCR 2: To watch TV or video tapes (VCR 2)
 DVD: To watch DVD
 TAPE MONITOR: To listen to cassette tapes. (The tape monitor indicator will light up.)
 CD: To listen to compact discs

**TUNER:** To listen to radio broadcast **PHONO:** To listen to phono discs

### Note

4

To watch a video (or DVD) or the TV, set the TV to either the TV mode or VIDEO mode as indicated below.

- To enjoy videos (or DVD)
- Set it to VIDEO mode. • To watch TV

Set it to TV mode.

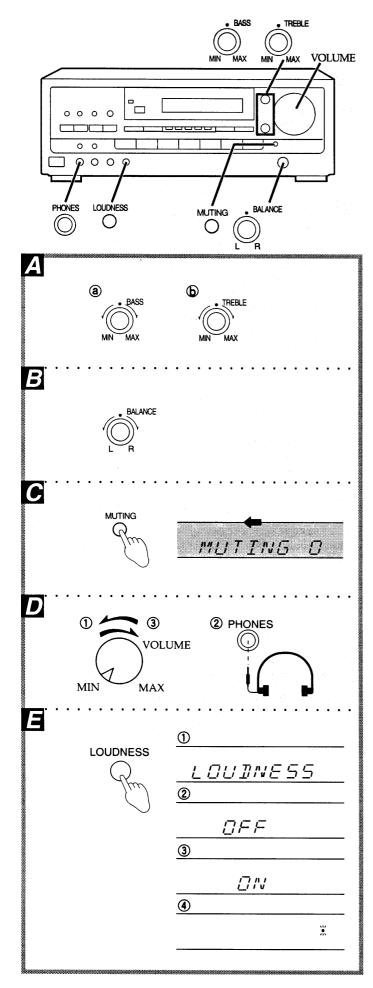
Turn VOLUME to adjust the volume level.

#### After listening is finished

Be sure to reduce the volume level, and switch the power to the standby condition by pressing POWER.

# When the tape monitor indicator is lit or flashing 🗖

This indicates that the tape monitor function of this unit is ON. To listen to sources other than a tape, be sure to press TAPE MONITOR and check the indicator goes out.



### To adjust the tone quality

Turn BASS to adjust the low frequency sound.
 Turn TREBLE to adjust the high frequency sound.

Α

В

С

D

Ε

### To adjust the sound balance

### Turn BALANCE to adjust the left/right sound balance.

### To mute the sound level

#### Press MUTING.

The message "MUTING ON NOW" runs repeatedly from right to left across the display as long as the muting function is on.

Press once again to return to the previous volume level.

### Note

When the receiver is turned off, the muting operation will be automatically cancelled.

### To listen through headphones

- ① Use volume to reduce the volume level.
- (2) Connect the headphones (not included). Plug type: 6.3mm stereo
- **③** Use VOLUME to adjust the volume level.

If you do not want sound from the speakers, press SPEAKERS button(s) and check the speaker indicator(s) goes out.

If a subwoofer is connected to your system, turn off power to it (or the subwoofer amp you are using) or lower the volume to the minimum level.

### Note

Avoid listening for prolonged periods of time to prevent hearing damage.

# To correct sound in case of low volume

This button balances low volume sounds by boosting bass sound pressure.

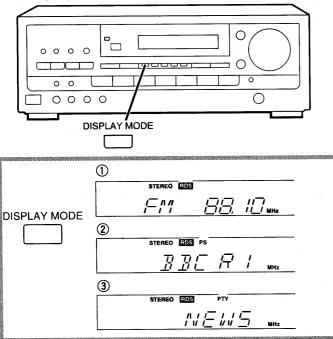
#### Press LOUDNESS.

The message "LOUDNESS" will appear on the display, followed shortly thereafter by the current setting "OFF". (1-2)

Pressing the button again within 4 seconds will turn loudness control ON. When ON, " $\blacksquare$ "indication will light up in the display. ((3-4))

To return to the previous condition, press once again, then " $\blacksquare$ " indication turn off.

# Enjoying RDS Broadcasts



RDS (Radio Data System) is a multiplex broadcasting system which adds a variety of message signals to the audio signals of FM broadcasts.

This unit can utilize the following signals among the various RDS signals.

- **PI** (Program identification)
- Program identification signal consisting of a program code
- **PS** (Program service name)
- Name of the broadcast station
- PTY (Program type)
- Identification signal for program types such as news and sport • EON (Enhanced other networks)
- RDS information provided on cross-referenced program services

### Note

"PTY" and "EON" may not be available in some areas. (Future function)

# To change the display mode (PS/PTY display)

Carry out this operation while the FM broadcast being received provides the RDS service. ("RDS" will light up.)

When this unit receives a PS signal in an RDS broadcast, the name of the broadcast station can be shown on the display.

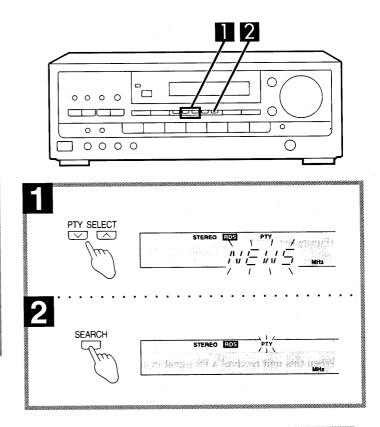
Furthermore, while the PTY signal is being received, the name of the type of program currently being broadcast can be shown on the display.

### Press DISPLAY MODE.

Each time you press the button, the display will change as follows. (1) frequency display  $\rightarrow$  (2) PS display  $\rightarrow$  (3) PTY display

### Note

- 1. If the FM broadcast being received does not provide the RDS service, the frequency will remain on the display in displays (2) and (3).
- 2. If a PTY signal is not being received, "NO PTY" will be displayed in display (3) for a moment and will then change to the frequency.



### To listen to a program of a particular type, such as news or sport (PTY search/EON tuning)

The PTY search and EON tuning are carried out with respect to FM broadcast stations that have preset into the memory. Make sure that "Memory Presettings" on page 15 or 16 have been completed before carrying out these operations.

### PTY search

Carry out this operation while listening to an FM broadcast.

When you wish to listen to a particular type of program, a program of that type can be searched.



Press PTY SELECT ( $\lor$ ) or ( $\land$ ) to select the desired program type.

Each time you press these buttons, the PTY display will change in sequence.



While PTY display is flashing (approx. 10 seconds) **Press SEARCH.** 

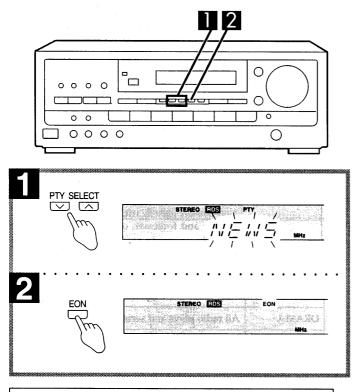
The PTY search will begin. ("PTY" will flash.)

# When the desired type of program is located:

The receiver will switch to the preset channel it just found and will display the broadcast frequency. (If the PS or PTY display was displayed when the search started, the receiver will switch back to the original display after displaying the frequency of the found station.) If you start the PTY search again, the receiver will start searching for another program from that point.

### If the desired type of program is not found:

"NO PTY" will be displayed for a moment and then the receiver will return to the original display. (If the PS or PTY display was displayed when the search started, the receiver will display the frequency for about 3 seconds before returning to the original display.)



### EON tuning

If the broadcast you are receiving is sending EON signals, you can pick up other information from cross-referenced program services such as PS and PTY. This receiver makes use of PTY signals to let you get more out of it.

Carry out this operation while the FM broadcast being received provides the RDS service. ("RDS" will light up.)



2

# Press PTY SELECT ( $\lor$ ) or ( $\land$ ) to select the desired program type.

Each time you press these buttons, the PTY display will change in sequence.

While PTY display is flashing (approx. 10 seconds) **Press EON.** 

("EON" will light up.)

The receiver will switch over to the type of program you selected or it will go on reception standby and wait until a program of that type starts, at which time it will switch over automatically.

#### Note

Be aware of the fact that you will turn EON tuning OFF if, while the receiver is on reception standby, you operate the tuner, change the input source or turn the unit OFF.

### When "NO EON" is displayed:

It means the broadcast you are presently receiving does not provide EON services.

# To check the program type while on reception standby:

Press either PTY SELECT ( $\lor$ ) or ( $\land$ ).

The program type last selected will be displayed for approximately 2 seconds. ("EON" will flash.)

Be careful however. If you press one of the buttons again while the program type is being displayed, you will turn EON tuning OFF.

### To cancel EON tuning:

Press EON. "EON" will go out.

# About the PTY display

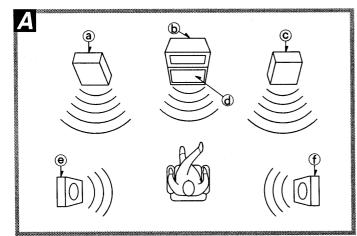
There are a total of 15 PTY displays on this unit. The display changes in order each time the PTY SELECT ( $\lor$ ) or ( $\land$ ) is pressed. The table below shows the order in which the display changes, and also gives an explanation of each display.

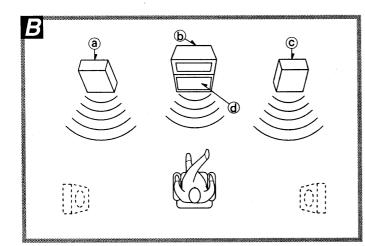
Display	Explanation
NEWS	Short accounts of facts, events and publicly expressed views, reportage and actuality.
AFFAIRS	Topical program expanding or enlarging upon the news, generally in different presentation style or concept, including documentary debate, or analysis.
INFO	Program whose purpose is to impart advice in the widest sense, including meteorological reports and forecasts, consumer affairs, medical help, etc.
SPORT	Program concerned with any aspect of sport.
EDUCATE	Program intended primarily to educate.
DRAMA	All radio plays and serials.
CULTURE	Programs concerned with any aspect of national or regional culture, including religious affairs, philosophy, social science, language, theater, etc.
SCIENCE	Programs about the natural sciences and technology.
VARIED	Used for mainly speech-based programs, usually of a light-entertainment nature not covered by above categories. Examples are: quizzes, panel games, personality interviews, comedy and satire.
POP M	Commercial music which would generally be considered to be of current popular appeal, often featuring in current or recent record sales charts.
ROCK M	Contemporary modern music, usually written and performed by young musicians.
M.O.R. M	(Middle of the Road Music). Common term to describe music considered to be "easy-listen- ing", as opposed to Pop, Rock or Classical. Music in this category is often, but not always, vocal, and usually of short duration (<5 min.).
LIGHT M	Classical Musical for general, rather than specialist, appreciation. Examples of music in this category are instrumental music and vocal or choral works.
CLASSICS	Performances of major orchestral works, symphonies, chamber music etc., and including Grand Opera.
OTHER M	Musical styles not fitting into any of the above categories. Particularly used for specialist music, of which Jazz, Rhythm & Blues, Folk, Country, and Reggae are examples.

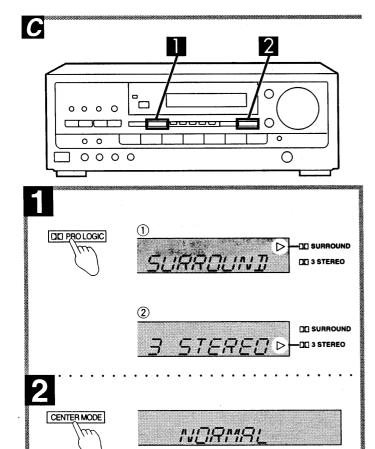
After "OTHER M" is displayed, the display returns to "NEWS".

С

# Enjoying Sound with DOLBY PRO LOGIC







Dolby Pro Logic lets you enjoy movie software(video tapes and laser discs) in your own home with the same powerful stereophonic effect found in movie theaters. This unit has two Dolby Pro Logic modes: SURROUND and 3 STEREO.

### SURROUND

By reproducing the feeling of depth and movement of sound, video software or compact discs recorded with Dolby Surround provide the listener with a feeling of presence like that of a movie theater.

- (a) Front speaker (Left)
- (b) TV
- © Front speaker (Right)
- **d** Center speaker
- Surround speaker (Left) (f) Surround speaker (Right)

### 3 STEREO

You can enjoy audio/video sources with clear sound, more presence and a good feeling of orientation. 3 STEREO can be used with stereo sources not encoded with DOLBY SURROUND.

(a) Front speaker (Left)

- (b) TV
- © Front speaker (Right)
- **(d)** Center speaker

Setting the center mode and adjusting speakers output level

### Note

- When ready to adjust speakers output level, situate yourself away from the speakers as you normally do when listening.
- First turn ON the speakers with the SPEAKERS A or B button on the receiver.
- If front speakers volume is unbalanced, adjust the balance with the BALANCE knob.
- You cannot adjust the output level of subwoofer with this receiver.

# 1

Press D PRO LOGIC to turn on the Dolby Pro Logic system and select the desired mode.

When the button is pressed, the Dolby Pro Logic mode is displayed for approximately 1 second only.

① SURROUND mode 2 3 STEREO mode

Pressing it again changes the Dolby Pro Logic mode.

#### 2 Press CENTER MODE to select the correct center mode.

When the button is pressed, the current center mode is displayed.

Pressing it again changes the center mode.

### NORMAL

When the center speaker is smaller than the front speakers. WIDEBAND

When the center speaker is the same size or larger than the front speakers.

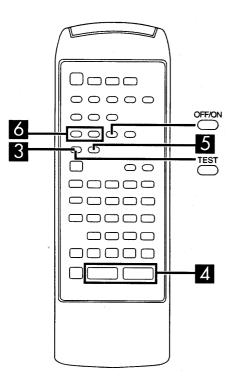
### PHANTOM SURROUND only

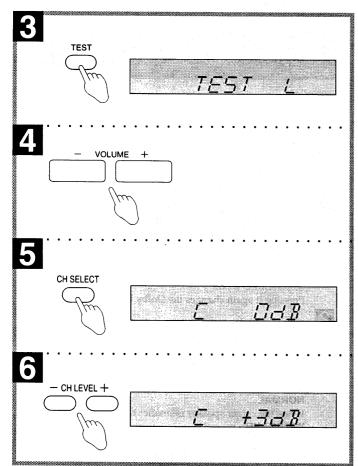
When no center speaker is connected.

### Note

In the PHANTOM mode, the sound which would have been sent to the center speaker will be divided equally between both the left and right front speakers.

(Continued on next page)





# 3 by remote control only

# Press TEST to output a test signal.

The speaker outputting the test signal is displayed while the test is running.

- L : Front speaker (Left)
- C : Center speaker
- R : Front speaker (Right)
- S: Surround speakers

For SURROUND mode  $L \rightarrow C \rightarrow R \rightarrow S$  $\uparrow$  |

In the PHANTOM mode, the center speaker is OFF, so the test signal is not output and "C" is not displayed.

For 3 STEREO mode  $L \rightarrow C \rightarrow R$  $\uparrow$  |

# 4 by remote control

Press VOLUME (-) or (+) to set the volume level normally used for enjoying the source.

The following steps are for setting the output level of the front speakers and the center/surround speakers to the same listening level.

# 5 by remote control only

Press CH SELECT to select the center or surround speakers.

6 by remote control only

# Press CH LEVEL (-) or (+) to adjust the output level.

Adjust the output level of each speaker from the listening position until they are all identical.

- -: Decrease the output level.
- +: Increase the output level.

Output level can be varied within a range of -12 dB to +12 dB with front speaker output level serving as the zero point.

#### Note

- 1. The test signal is output only by the speaker you are now adjusting and does not repeat the sequence until adjustments are complete.
- 2. Remember you cannot adjust output level of the surround speakers if you selected the 3 stereo mode in step 1.

### To stop the test signal

Press TEST.

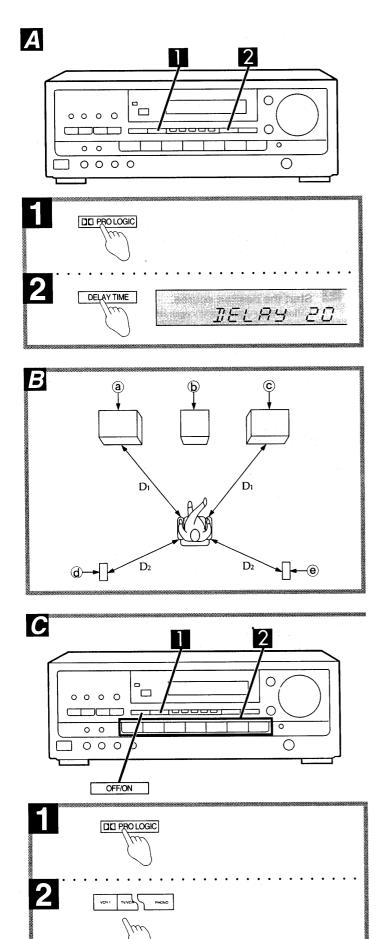
### To turn off the Dolby Pro Logic systems

Press OFF/ON.

Press once again to turn it on.

Α

С



# Adjusting the delay time

# When enjoying with SURROUND only

Adjust the sound from the surround speakers untill the proper effect is produced.

1

Press D PRO LOGIC to turn on the Dolby Pro Logic system and select the SURROUND mode.

2

Press DELAY TIME to set to the suitable time.

When the button is pressed, the current delay time is displayed.

Pressing it again changes the delay time.

Each time the button is pressed, the delay time will increase by 5 ms within a range of 15 ms to 30 ms.

The standard setting is 20 ms.

### To calculate the delay time 🖪

- (a) Front speaker (Left)
- **b** Center speaker
- © Front speaker (Right)
- d Surround speaker (Left)
- Surround speaker (Right)

Di: Distance from front speakers

- D2: Distance from surround speakers
- If D<sub>1</sub> is equal to or less than D<sub>2</sub> Set to 15ms.
- If D<sub>2</sub> is less than D<sub>1</sub> Start at 15ms and increase by 5 ms for every 1.5 m of difference between D<sub>1</sub> and D<sub>2</sub>.

# Enjoying with SURROUND or 3 STEREO

### Press DD PRO LOGIC to turn on the Dolby Pro Logic system and select the desired mode.

When the button is pressed, the Dolby Pro Logic mode is displayed.

Pressing it again changes the Dolby Pro Logic mode.

2 Select the desired source and start the desired source.

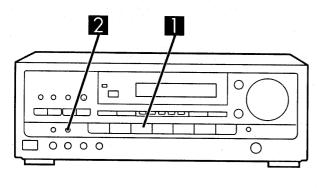
When employing SURROUND, use software recorded in Dolby Surround.

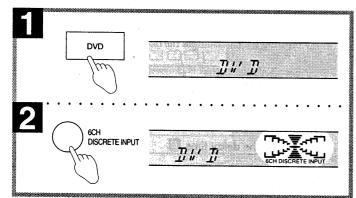
# To turn off the Dolby Pro Logic systems

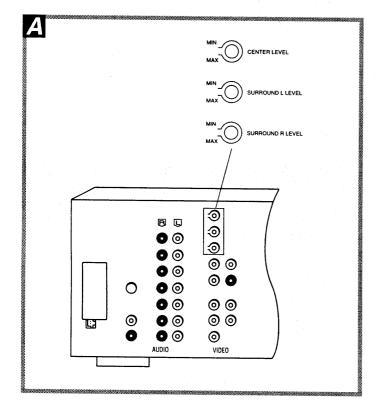
Press OFF/ON.

Manufactured under license from Dolby Laboratories Licensing Corporation. DOLBY, the double-D symbol DC and "PRO LOGIC" are trademarks of Dolby Laboratories Licensing Corporation.

# Enjoying Sound with 6 Channel Discrete







This receiver can play back 6 channel discrete sound.

It has jacks for connecting to components with 6 channel discrete output, such as DVD player.

6 channel discrete output makes playback sound more real by adding depth, movement, position and other characteristics to the field of sound.

It will make you feel as if you were at the movie theater when in your own home.

### To enjoy 6 channel discrete output sound

Of cource, you have to connect a DVD player or other component that has 6 channel discrete output capabilities.



### Press 6CH DISCRETE INPUT.

Press DVD.

If you press this button while another source (CD, PHONO, etc.) is selected, the receiver switches the source to DVD and engages the 6CH DISCRETE INPUT mode.

3

Start the desired source.

Follow your equipment's operating instructions.

### Note

You cannot select Dolby Pro Logic mode while in the 6CH DISCRETE INPUT mode. If you try, the message "NOT POSSIBLE IN 6CH DISCRETE INPUT" will appear on the display.



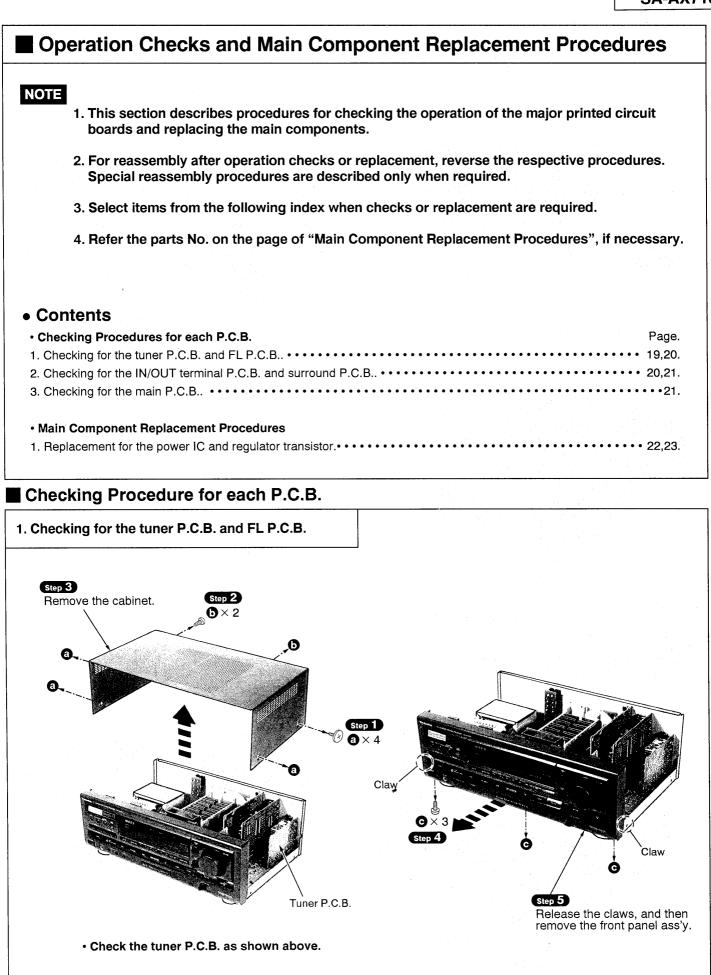
When connected to a DVD player or other component with 6 channel discrete output, you can adjust input level for the center and surround (L) and (R) channels from these controls on the rear panel.

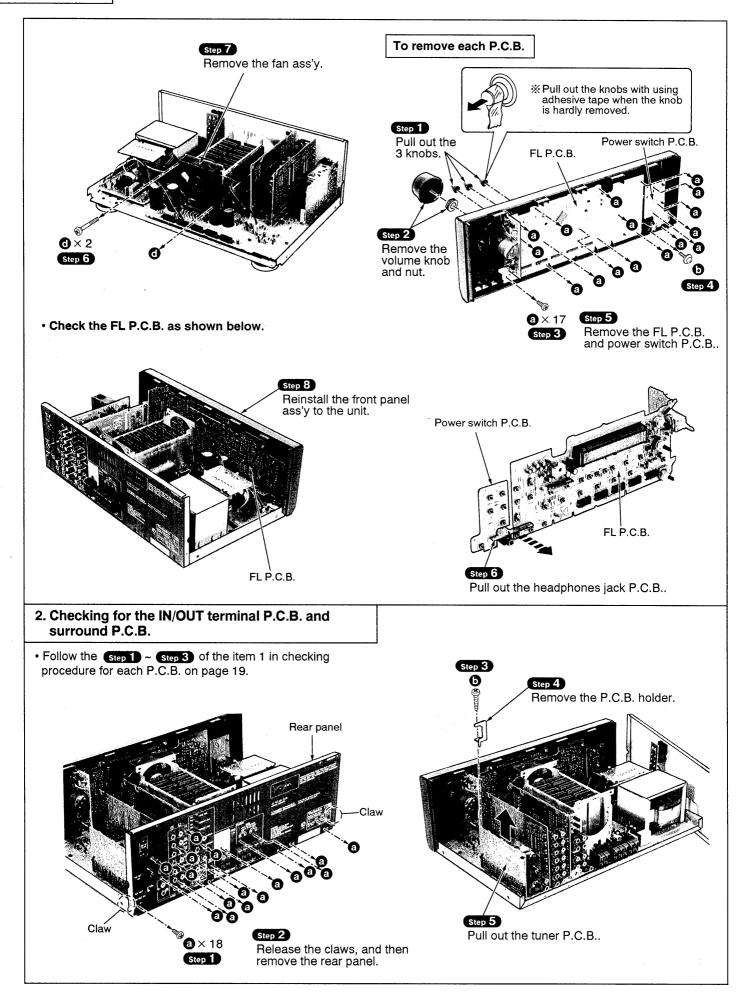
MIN CENTER LEVEL MAX SURROUND L LEVEL MAX SURROUND R LEVEL MAX SURROUND R LEVEL

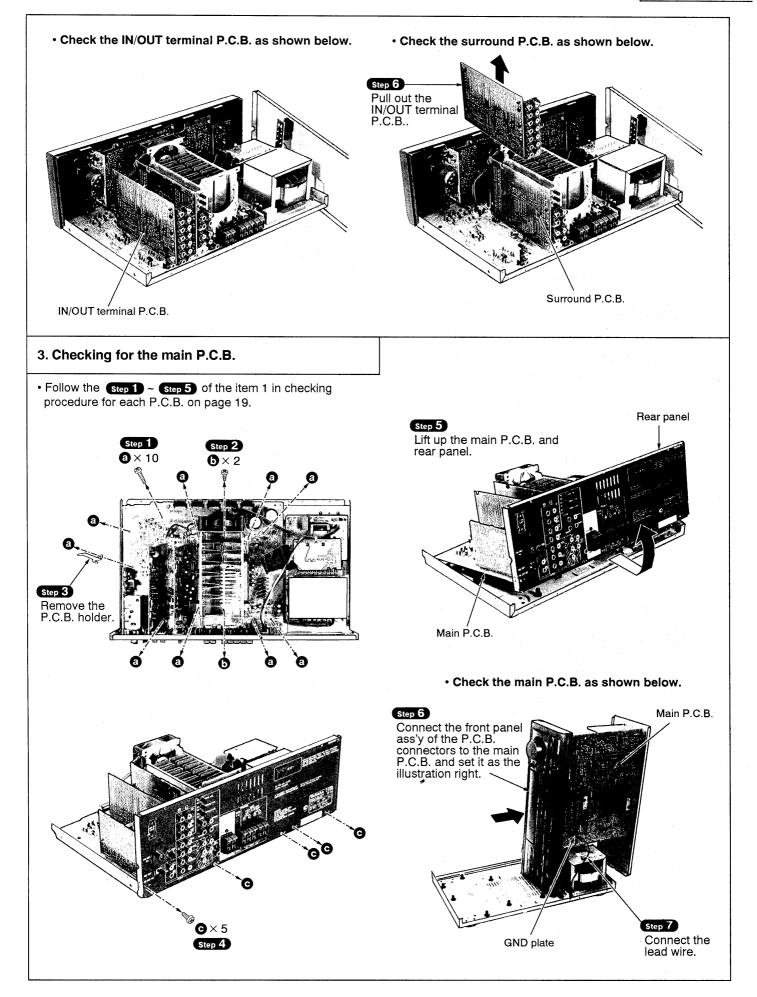
Turn CENTER LEVEL to adjust the input level of the center channel.

Turn SURROUND L LEVEL to adjust the input level of the surround (L) channel.

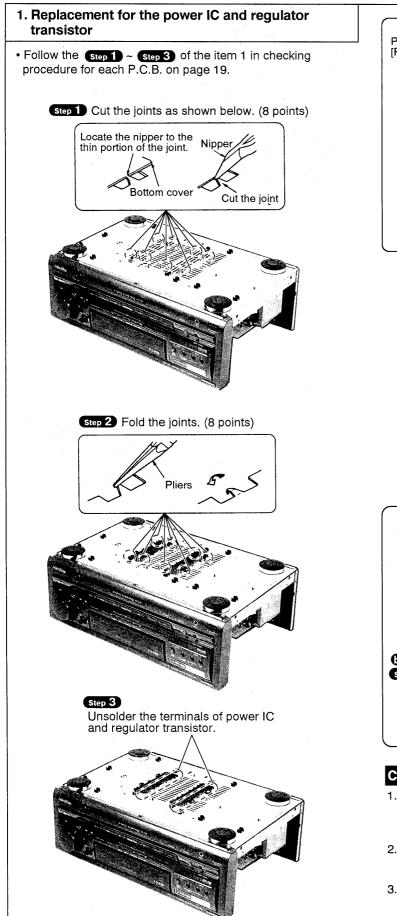
Turn SURROUND R LEVEL to adjust the input level of the surround (R) channel.

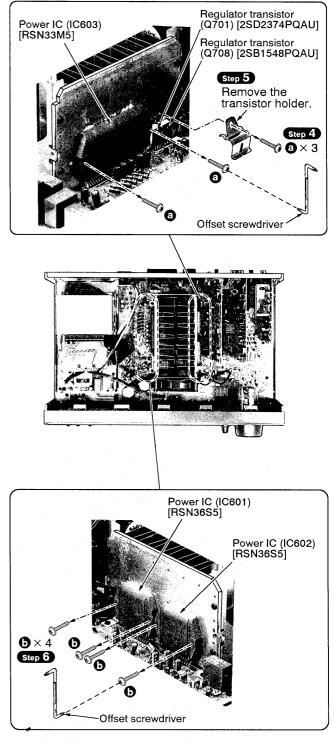






# Main Component Replacement Procedures



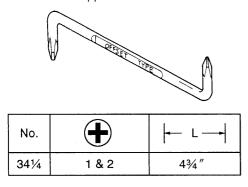


# CAUTION

- 1. After replceing the power IC or regulator transistor, apply a sufficient quantity of compound grease (RFKX0002) between the heat sink and the power IC or regulator transistor (Radiation of power IC).
- 2. Tighten enough the screws (a), b) after replacing the power IC and regulator transisitor. Otherwise, the heat rabiation works little.
- 3. When installing or removing the power IC or transistor holder, be sure to use an offset screwdriver.

### ----OFFSET SCREWDRIVER-

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



• 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

### 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, Mexico 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 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

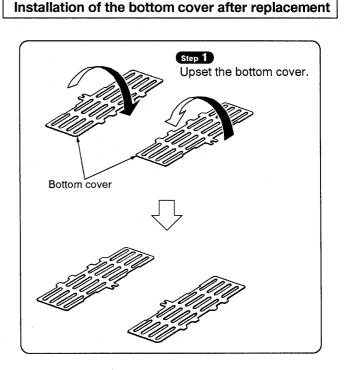
Stanley - Proto Thailand Ltd. 1017 Moo 13 Bangnatrad Highway, Tambol Bankaew Amphur Bangplee Samutprakarn, Thailand Fax: 66-2-316-6071 Phone: 66-2-316-8655

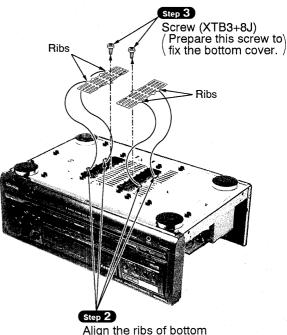
#### Europe

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, Ontario Canada, L7L 5R6 Fax: 416-335-0075 Phone: 416-335-0075

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

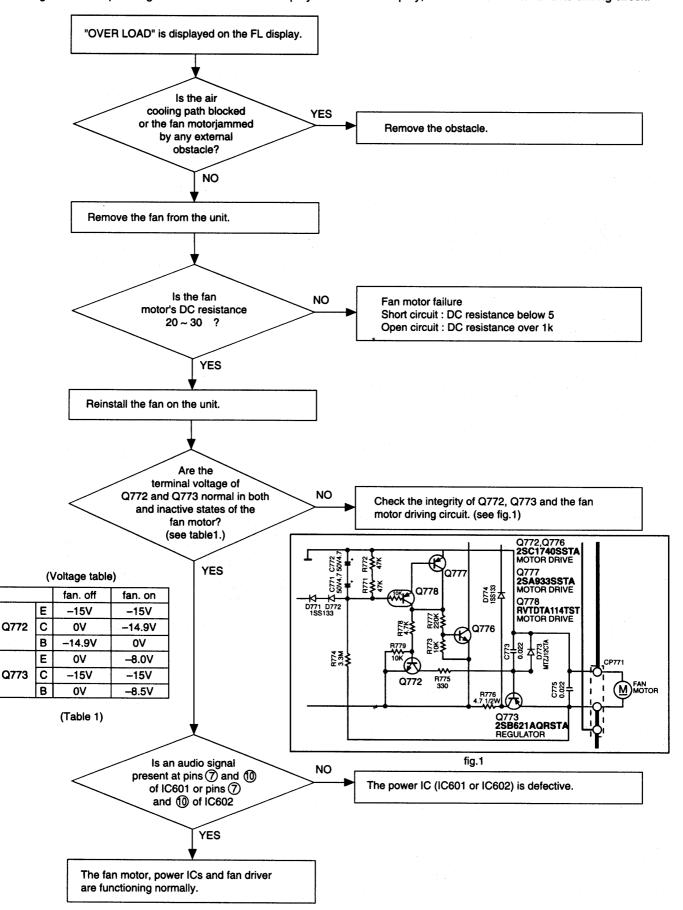




cover with lugs.

# Fan Motor Troubleshooting

The Model SA-AX710 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.

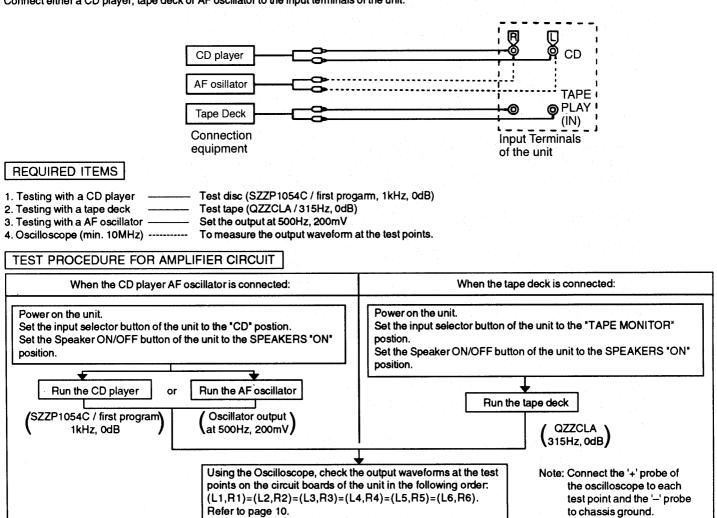


# Troubleshooting

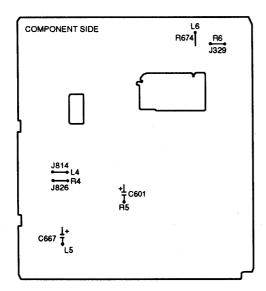
This unit has test points on each circuit board block for use in troubleshooting.

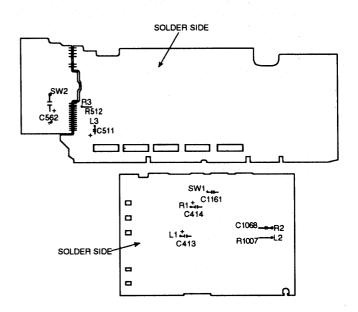
CONNECTION

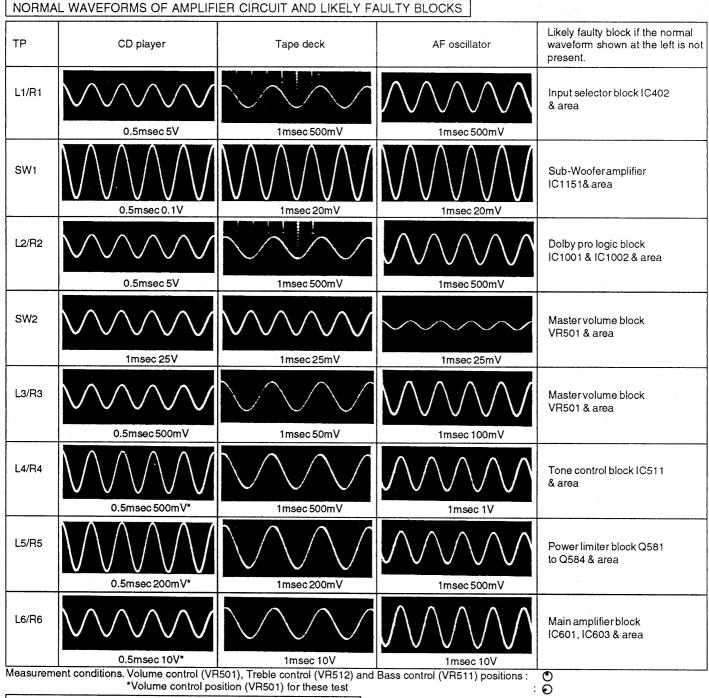
Connect either a CD player, tape deck or AF oscillator to the input terminals of the unit.



### TEST POINTS POSITIONS OF AMPL'IFIER CIRCUIT

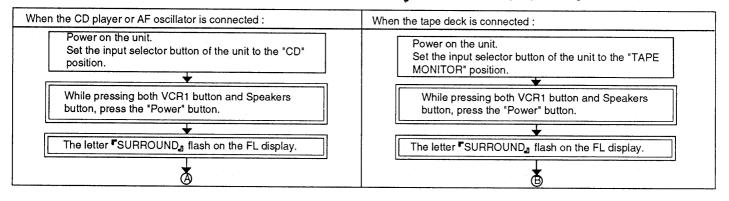


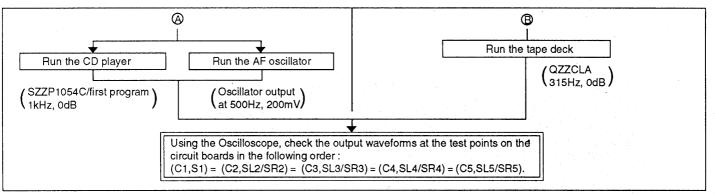




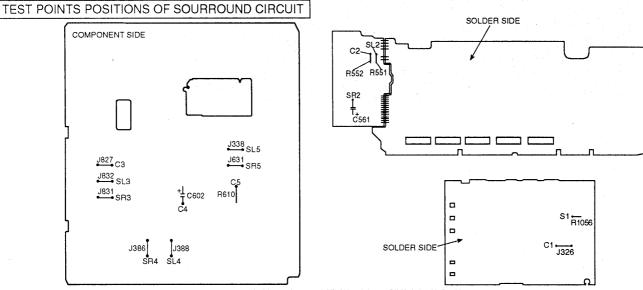
# CHECKING PROCEDURE FOR SURROUND CIRCUIT

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.





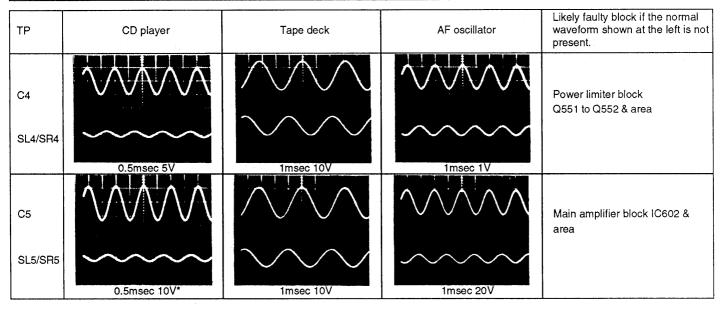
# • To exit the service mode, power off the unit.



NORMAL WAVEFORMS OF AMPLIFIER CIRCUIT AND LIKELY FAULTY BLOCKS

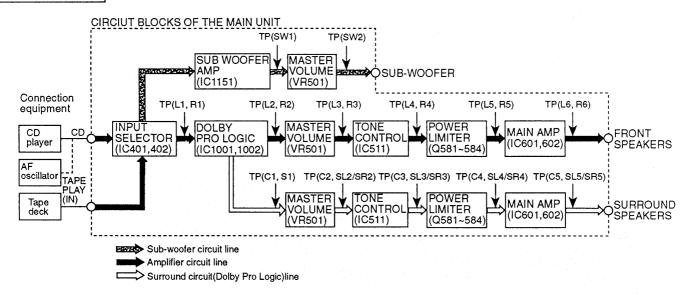
ТР	CD player	Tape deck	AF oscillator	Likely faulty block if the normal waveform shown at the left is not present.
C1 S1	0.5msec 1V		1msec 200mV	Dolby pro logic block IC1002 & area
C2 SL2/SR2	0.5msec 200mV	1msec 20mV	1msec 50mV	Master volume block VR501 & area
C3 SL3/SR3		1msec 500mV	1msec 1V	Tone control block IC551, IC552 & area

### NORMAL WAVEFORMS OF AMPLIFIER CIRCUIT AND LIKELY FAULTY BLOCKS



Measurement conditions. Volume control (VR501), Tremble 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, "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.

# Schematic Diagram

А	TUNER CIRCUIT	30, 31
В	IN/OUT TERMINAL CIRCUIT	32 – 34
С	FL CIRCUIT	35 – 37
D	HEADPHONES CIRCUIT	37
Е	POWER SWITCH CIRCUIT	37

(This schematic diagram may be modified at any	time with the development of new technology.)
Notes:	

Page

- S946 : Power "STANDBY Φ/ON" switch. (POWER, STANDBY Φ/ON)
- S948 : Muting switch. (MUTING)
- S950 : FM mode select switch. (FM AUTO/MONO)
- S951 : Band select switch. (BAND)
- S952 : Tuning switch. (v)
- S953: Tuning switch. (∧)
- S954 : Sleep switch. (SLEEP)
- S955 : Memory switch. (MEMORY)
- S956 : Preset tuning switch. (V)
- S957: Preset tuning switch. (∧)
- S958 : Help/reset switch. (-HELP –RESET)
- S965 : 6ch discrete input select switch. (6CH DISCRETE INPUT)
- S970 : PTY search switch. (SEARCH)
- S971 : EON ON/OFF switch. (EON)
- S972: PTY select switch. (∧)
- S973: PTY select switch. (∨)
- S974 : RDS display mode select switch. (DISPLAY MODE)
- S975 : DVD switch. (DVD)
- S976 : Delay time adjust switch. (DELAY TIME)
- Indicated voltage values are the standard values for the unit measured by the DC electronic circuit tester (high-impedance) with the chassis taken as standard. Therefore, there may exist some errors in the voltage values, depending on the internal impedance of the DC circuit tester.
  - No mark ..... FM
  - ( ) ..... AM
  - < > ..... Fan motor OFF
  - \_\_\_\_ Fan motor ON
- Important safety notice:

Components identified by  $\underline{/\!\!\Lambda}$  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 and LSI are sensitive to static electricity.

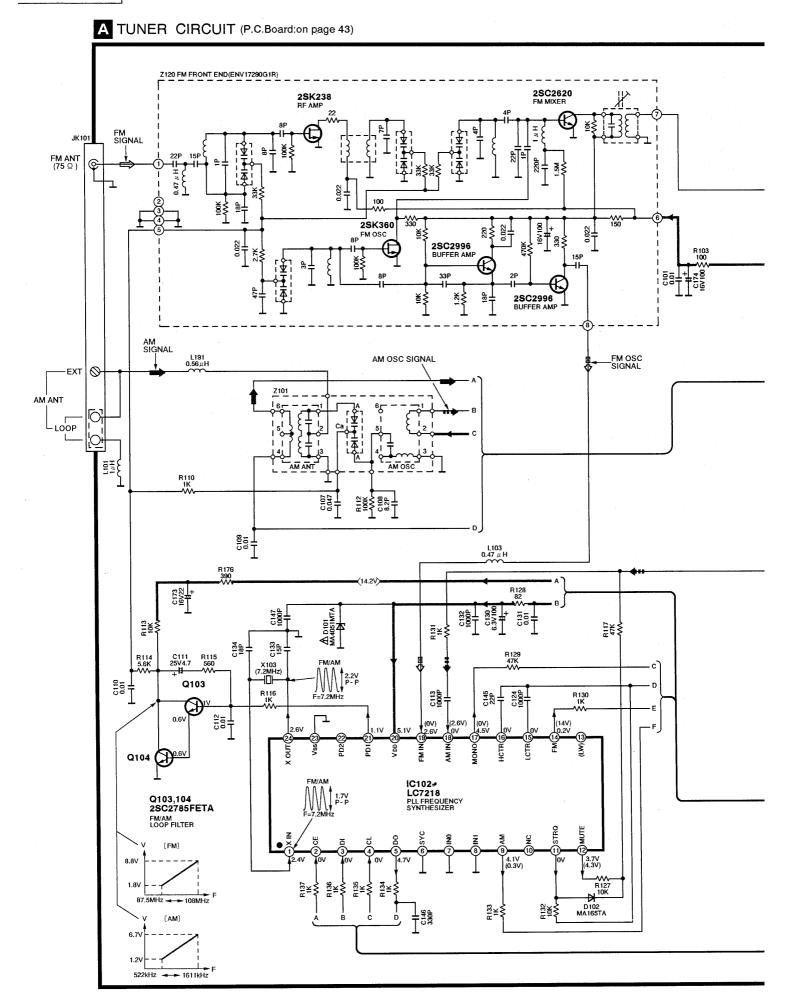
Secondary trouble can be prevented by taking care during repair. Cover the parts boxes made of plastics with aluminum foil. Ground the soldering iron.

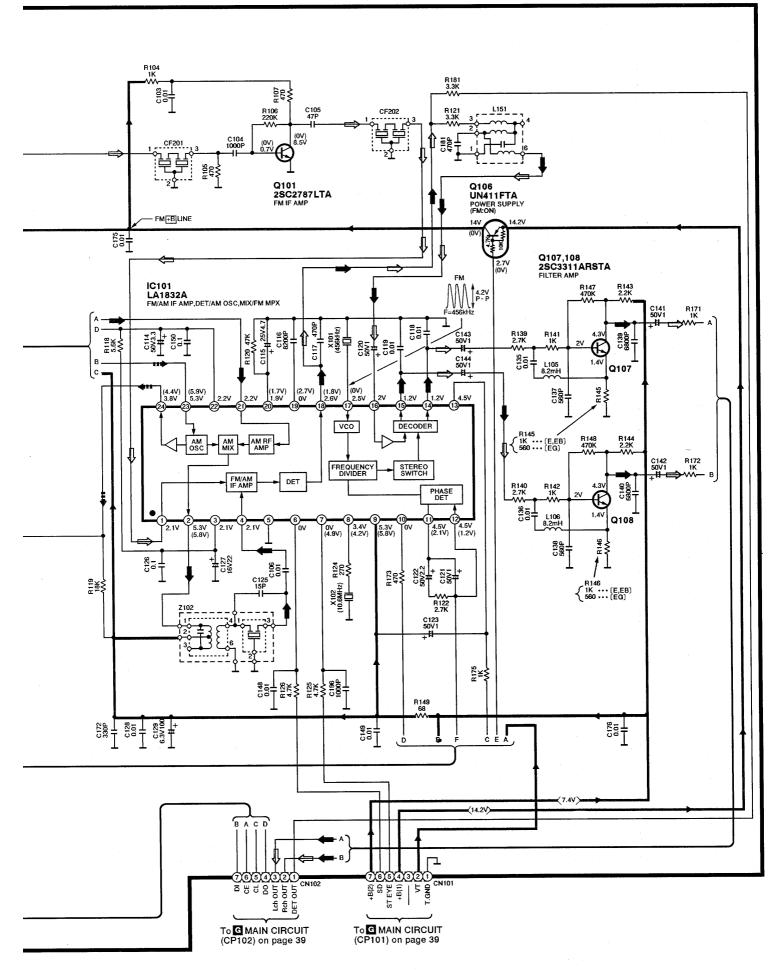
Put a conductive mat on the work table.

Do not touch the legs of IC or LSI with the fingers directly.

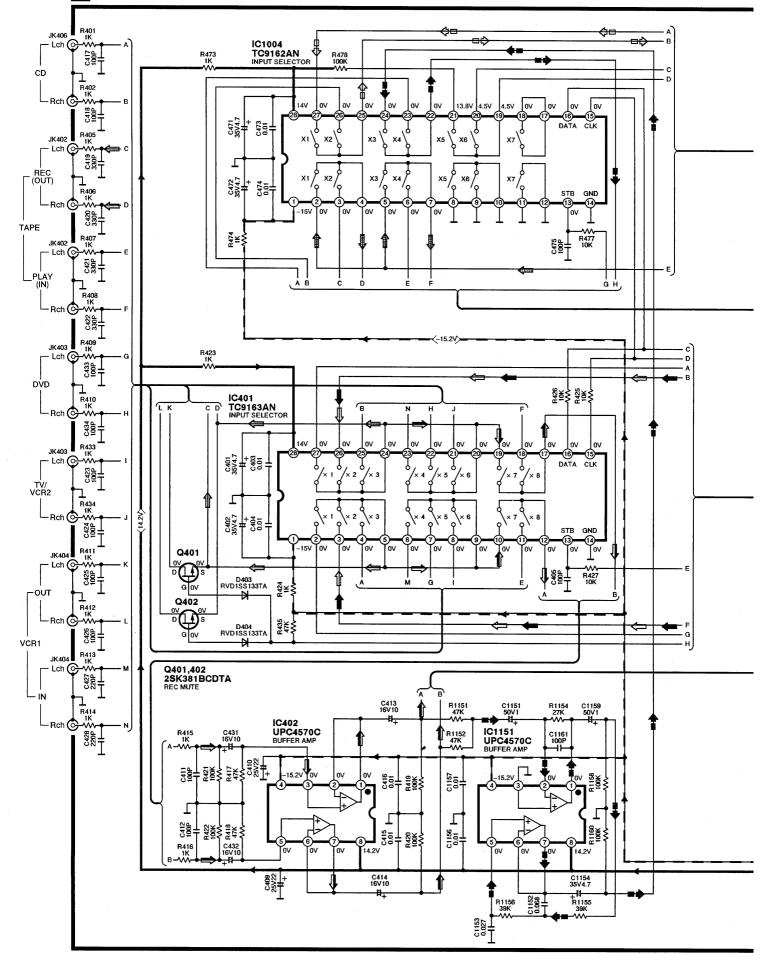
		Page
F	SURROUND CIRCUIT	38, 39
G	MAIN CIRCUIT	
Н	TRANSFORMER CIRCUIT	42
	POWER SUPPLY CIRCUIT	42
J	AC IN CIRCUIT	42

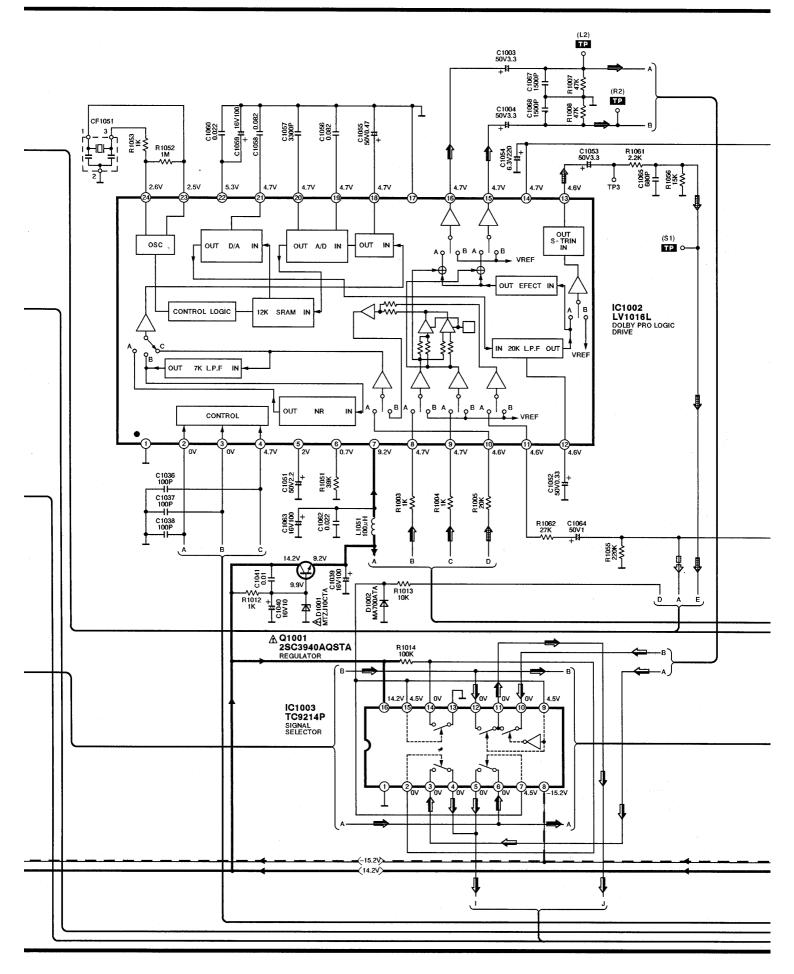
- S980 : Speakers select switch. (SPEAKERS A)
- S981 : Speakers select switch. (SPEAKERS B)
- S982 : Loudness ON/OFF switch. (LOUDNESS)
- S983 : DOLBY PRO LOGIC OFF ON switch. (OFF/ON).
- S984 : DOLBY PRO LOGIC mode detect switch. ( DD PRO LOGIC)
- S985 : Center mode select switch. (CENTER MODE)
- S991 : Phono switch. (PHONO)
- S992 : Tuner switch. (TUNER)
- S993 : CD switch. (CD)
- S994 : Tape monitor switch. (TAPE MONITOR)
- S995 : TV/VCR 2 switch. (TV/VCR 2)
- S996 : VCR1 switch. (VCR 1)
- VR401 : Input level control VR. (SURROUND L LEVEL)
- VR402 : Input level control VR. (SURROUND R LEVEL)
- VR403 : Input level control VR. (CENTER LEVEL)
- VR501 : Volume control VR. (VOLUME)
- VR502 : Balance control. (BALANCE)
- VR511 : Bass control VR. (BASS)
- VR512 : Treble control VR. (TREBLE)
- The second secon
- $\Box \Box \Box \Box >$ : FM OSC SIGNAL LINE
- : AM SIGNAL LINE
- AM OSC SIGNAL LINE
- E : MAIN SIGNAL LINE
- $\Box \Box >$  : CENTER SPEAKER SIGNAL LINE
- SURROUND SPEAKER SIGNAL LINE
  - SUB WOOFER SPEAKER SIGNAL LINE
  - 📖 📄 : REC OUT SIGNAL LINE
- +BLINE
- 🏟 💵 💠 = BLINE



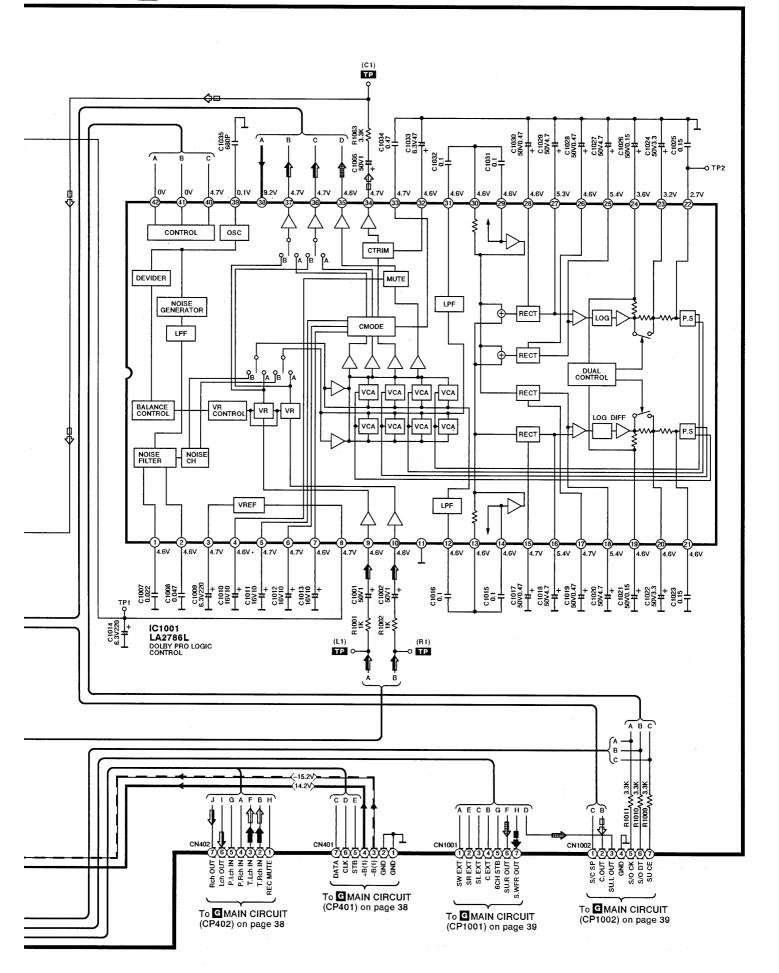


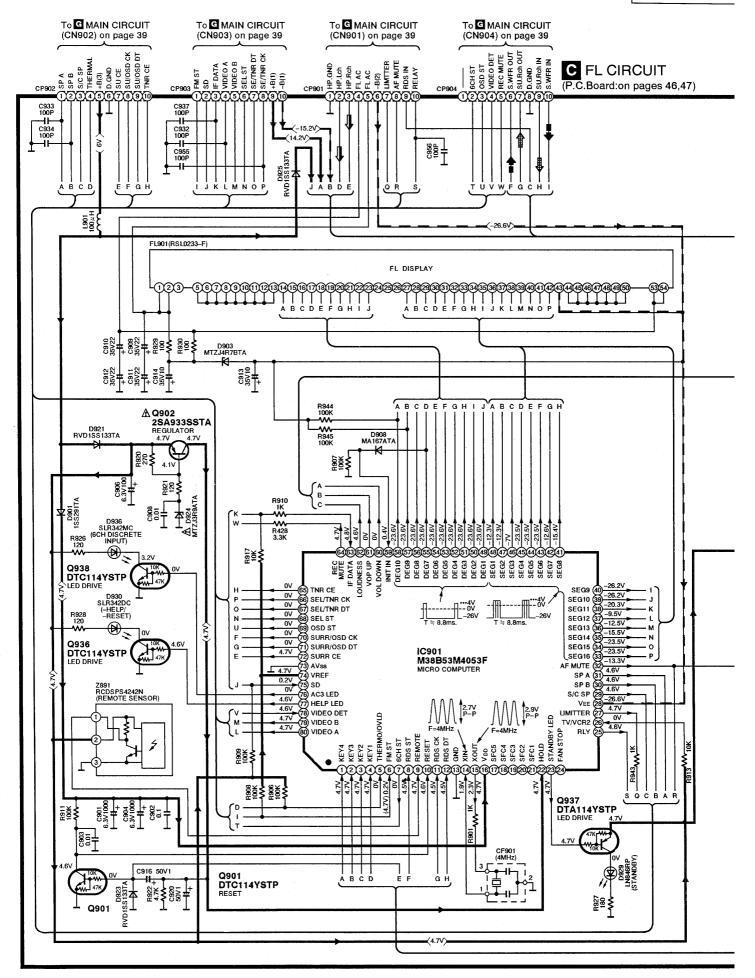
# B IN/OUT TERMINAL CIRCUIT (P.C.Board:on page 44)

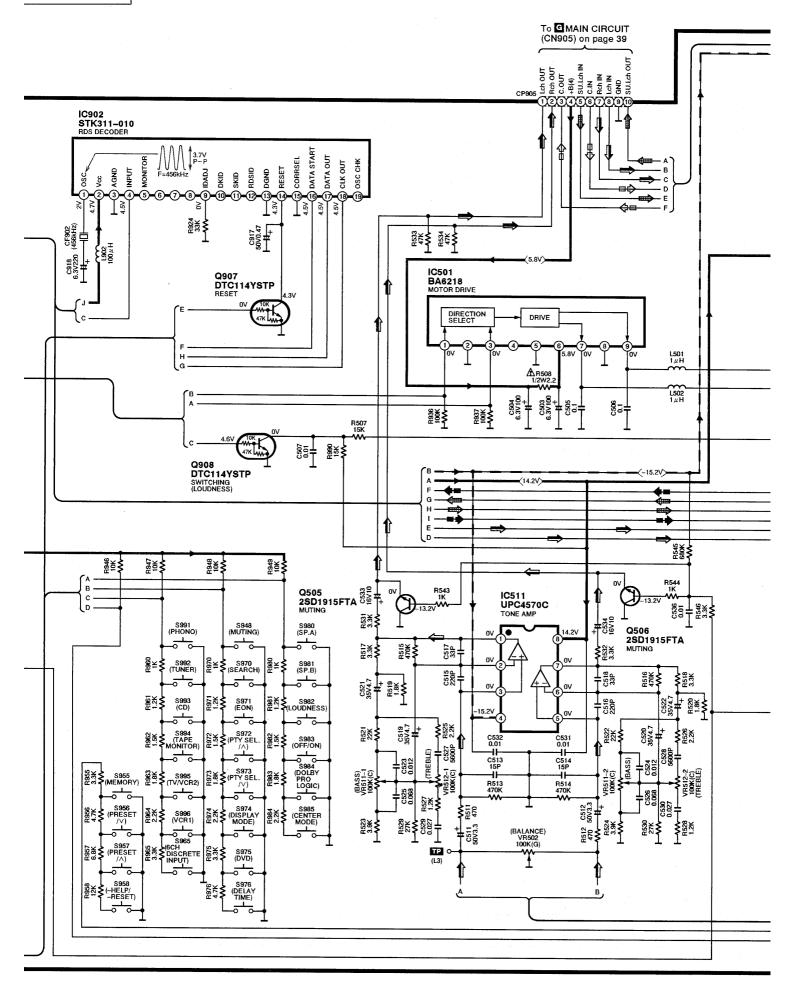




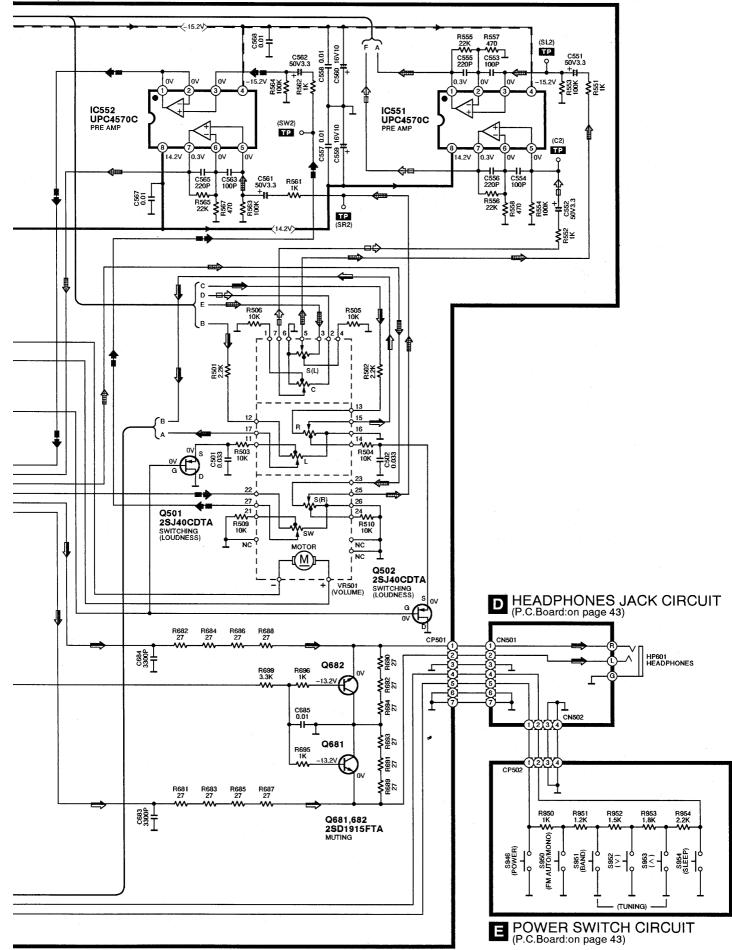
B IN/OUT TERMINAL CIRCUIT (P.C.Board:on page 44)

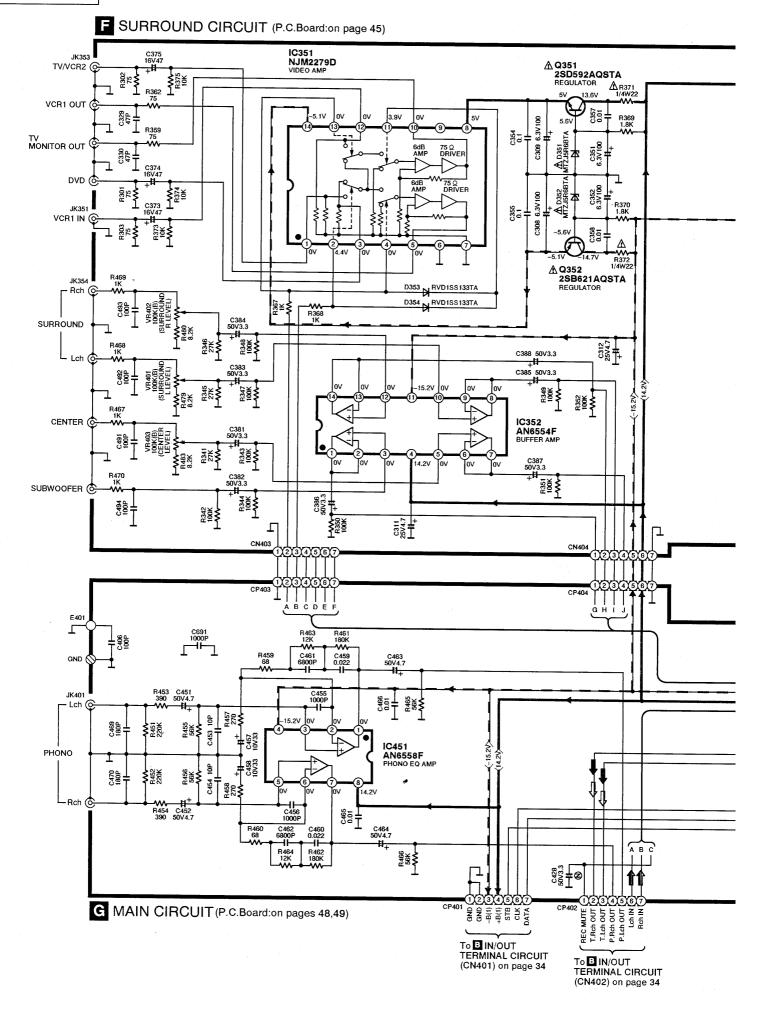


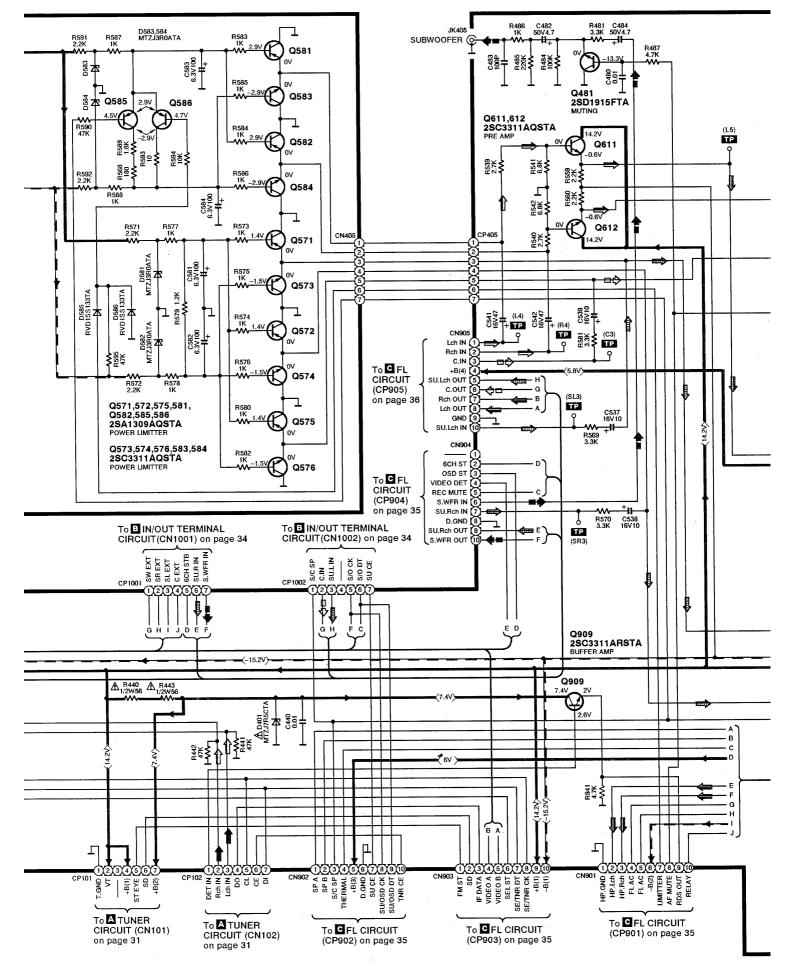




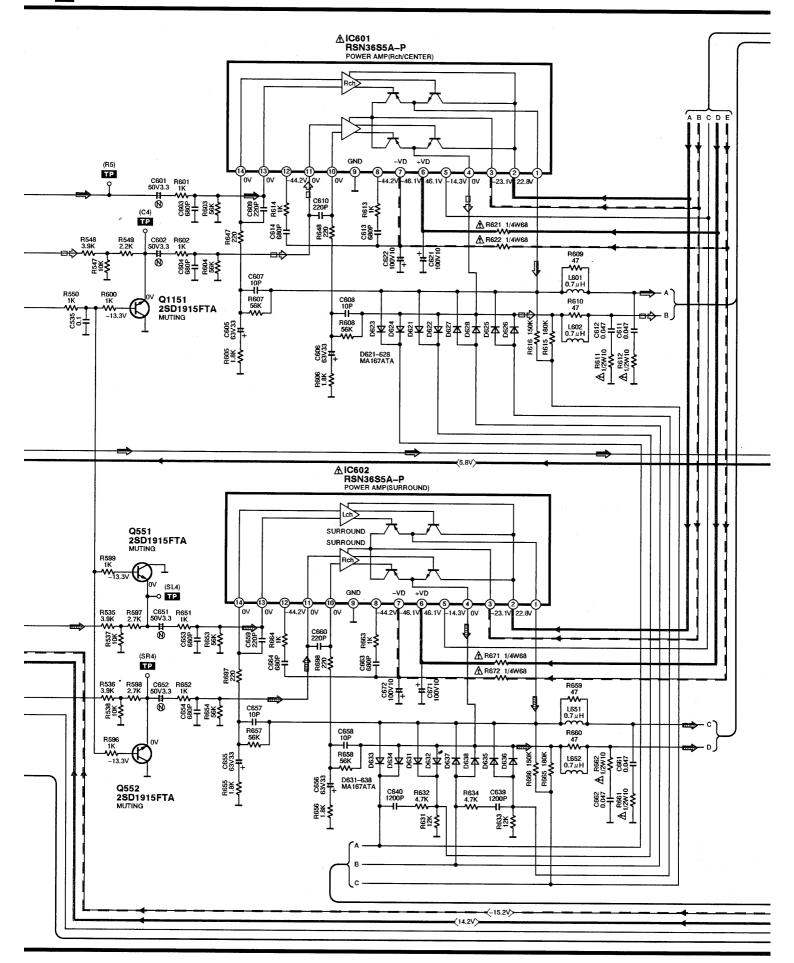


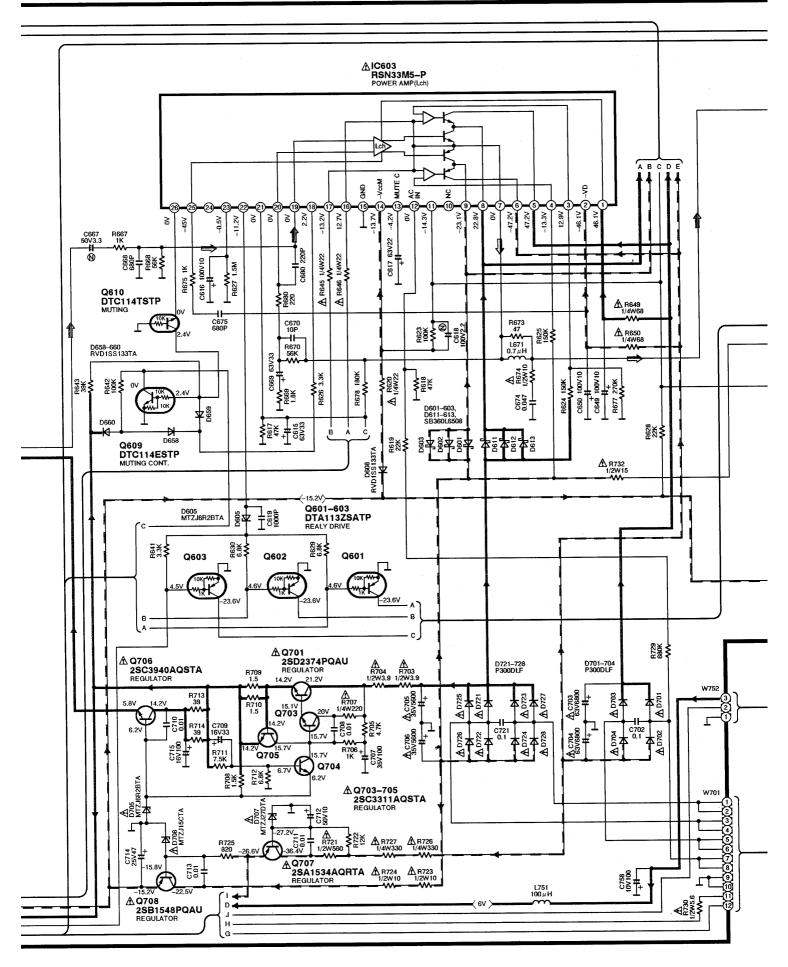


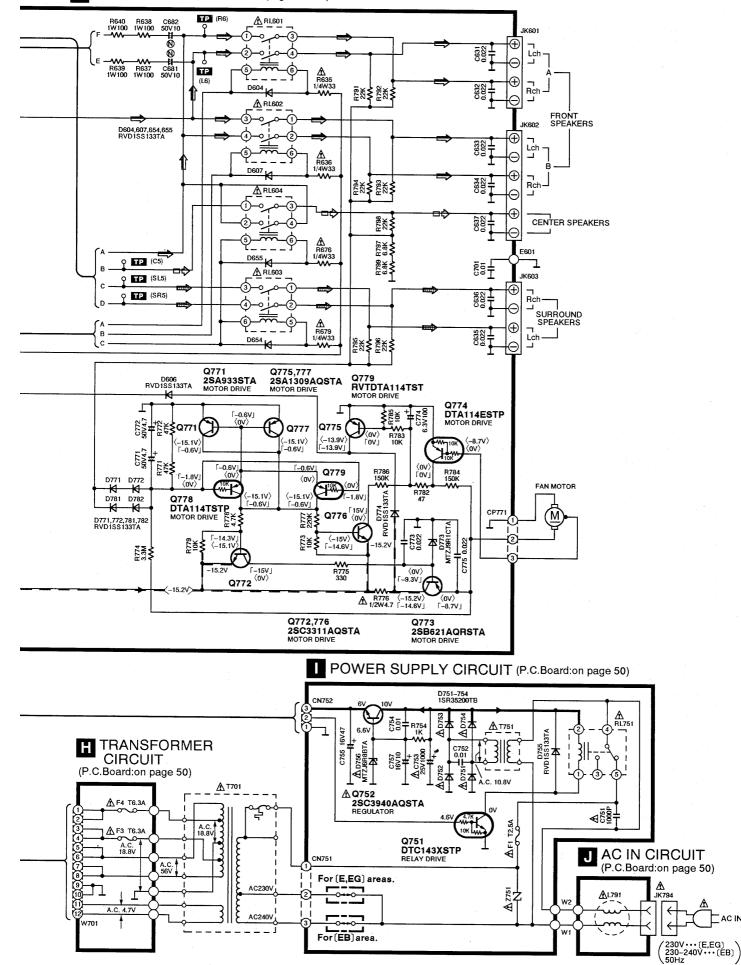




G MAIN CIRCUIT (P.C.Board:on pages 48,49)





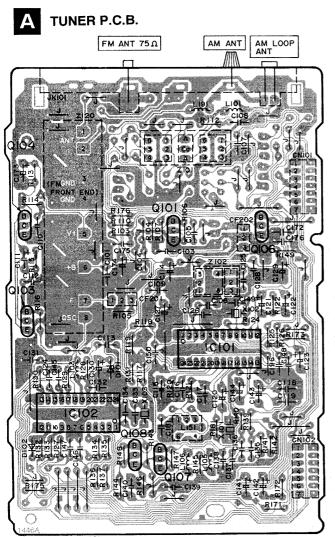


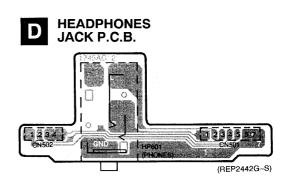
G MAIN CIRCUIT (P.C.Board:on pages 48,49)

AC IN

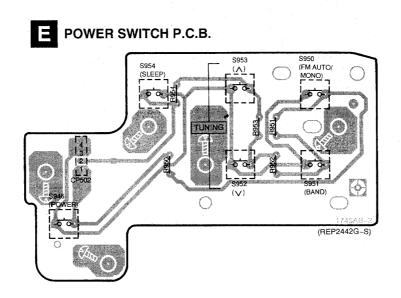
# Printed Circuit Board Diagram

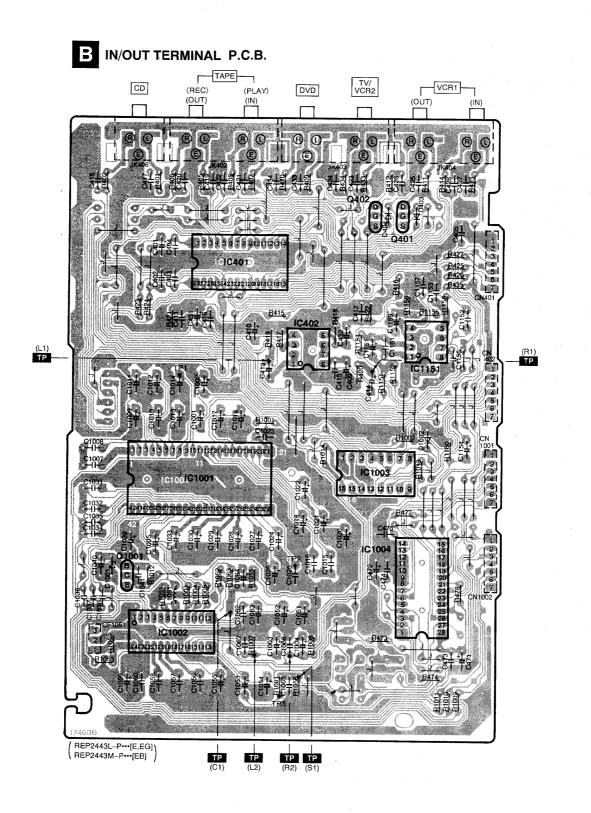
• This circuit board diagram may be modified at any time with the development of new technology.

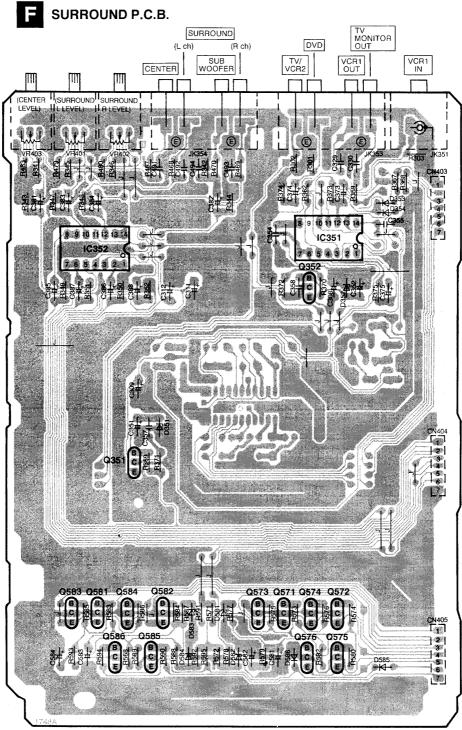




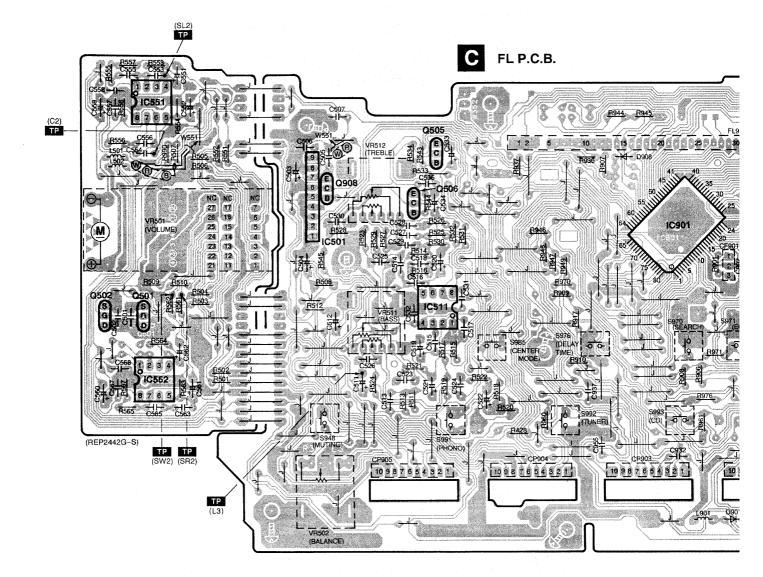
(REP2158A-T····[EG] REP2158D-T···[E,EB])

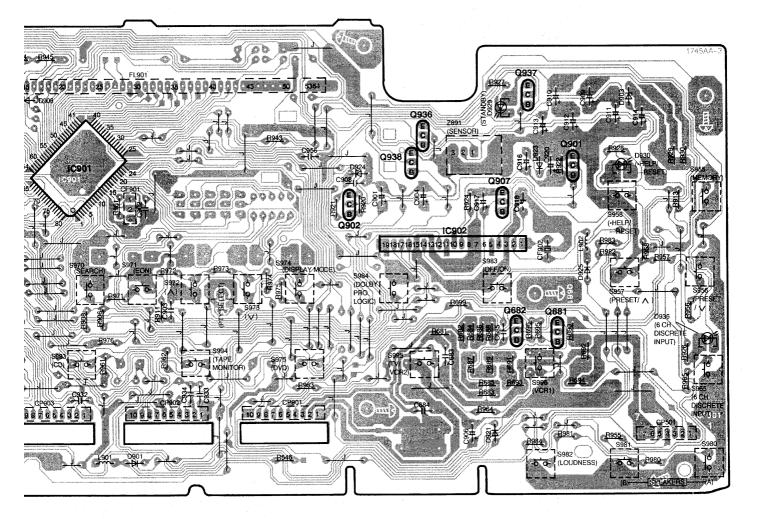


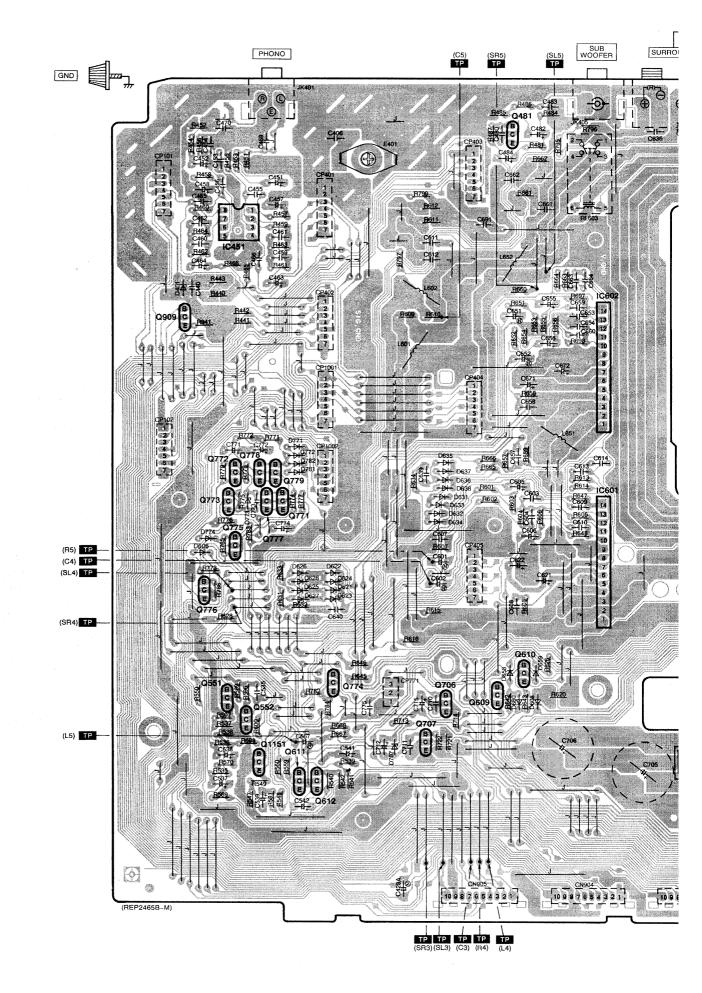


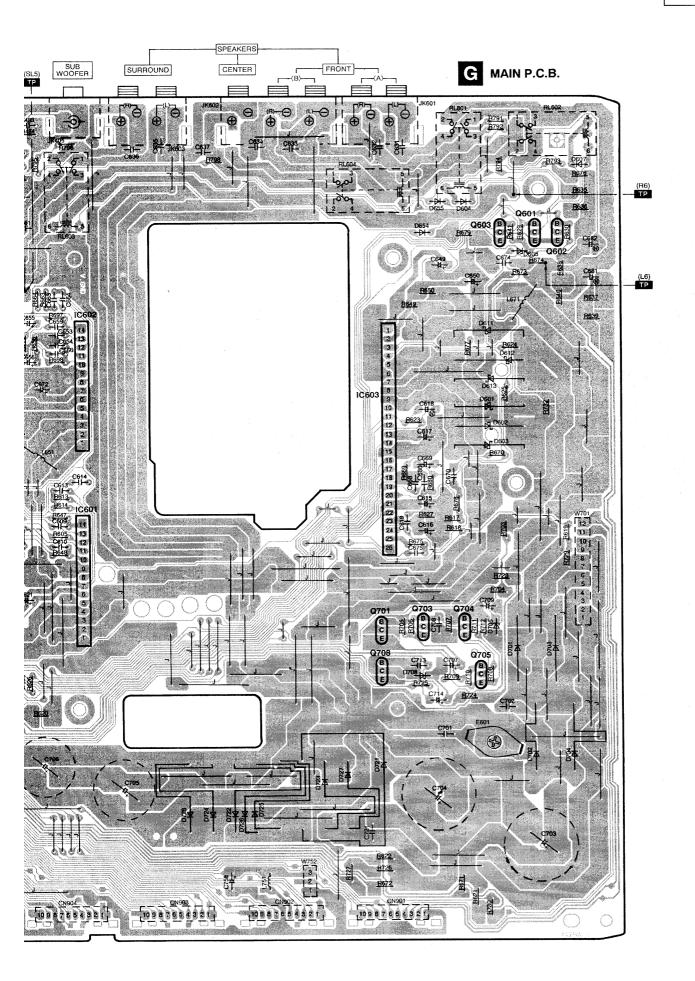


(REP2466C-T)



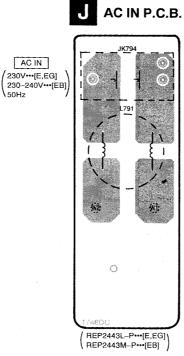




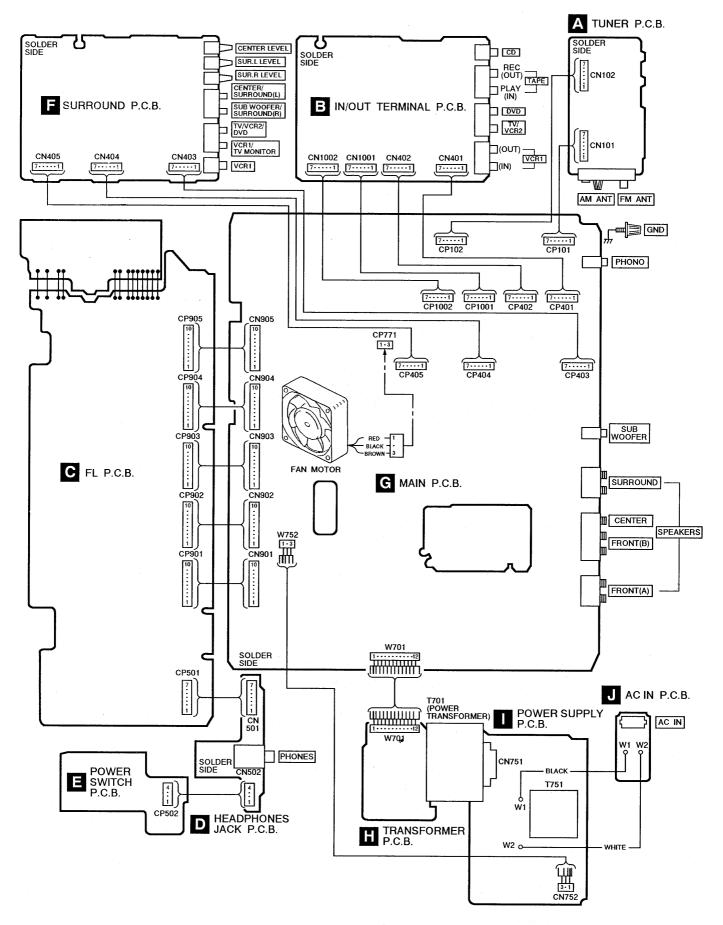


Q751 B C E N7 321 BCE TRANSFORMER P.C.B.  $\diamond$ AS MARKED --REPLACE FUSE RISK OF FIRE 174788 (comp 0 T701(Power transformer) 2 0 10 E Al CN751  $(\Box)$ (ŵi; 1<u>0</u> b RL751 10 al a 0 E C751 Z751 m  $\mathcal{O}$ പ്പ  $\bigcirc$ 20  $\bigcirc$ 8 9 10 11 12 6 ( REP2443L-P•••[E,EG] ( REP2443M-P•••[EB] ) (REP2465B-M)

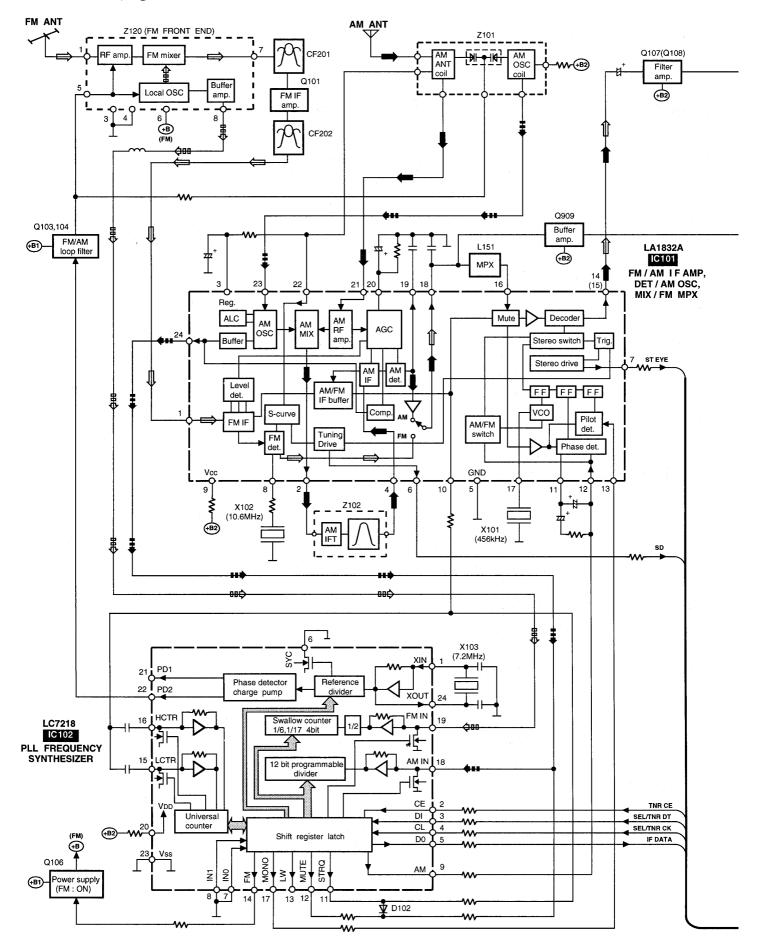
POWER SUPPLY P.C.B.

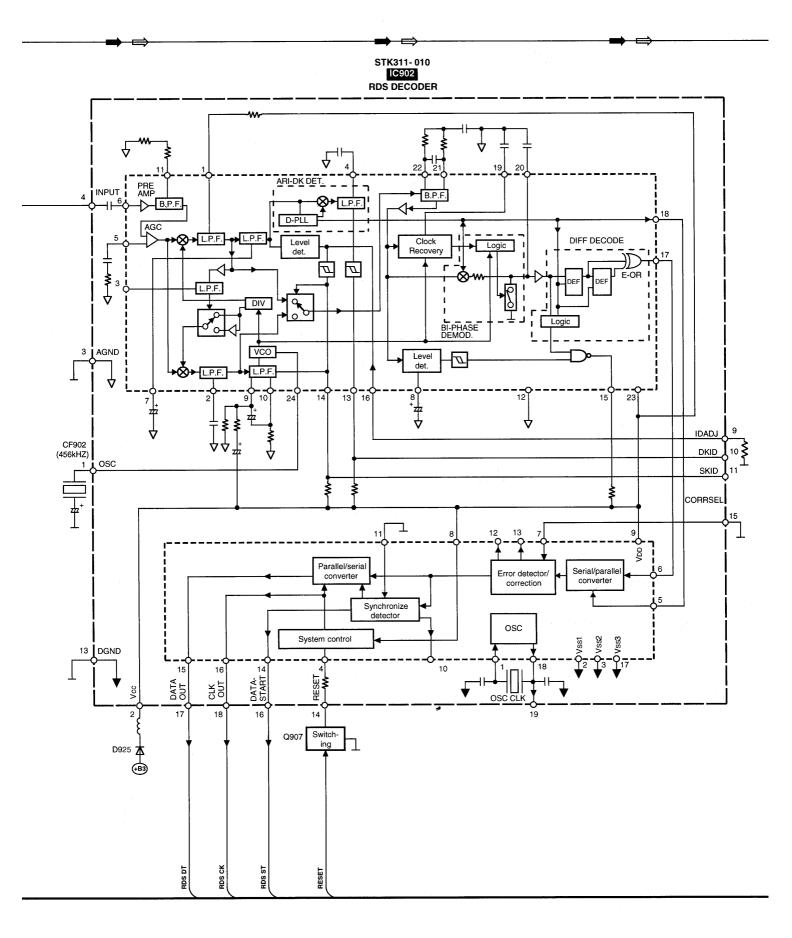


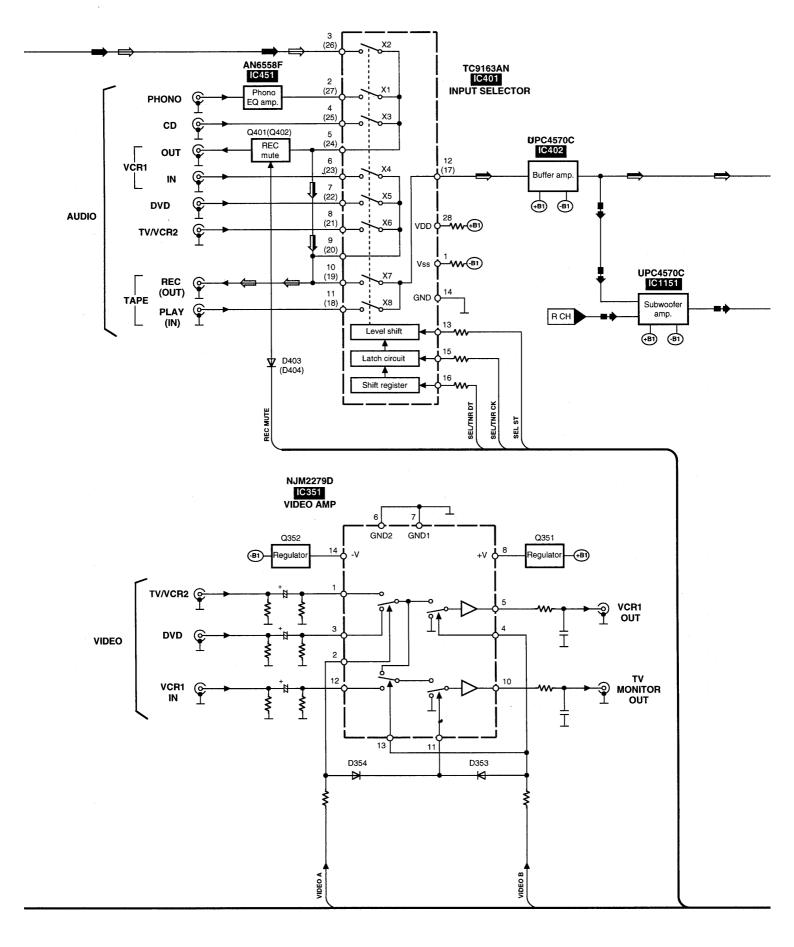
## Wiring Connection Diagram

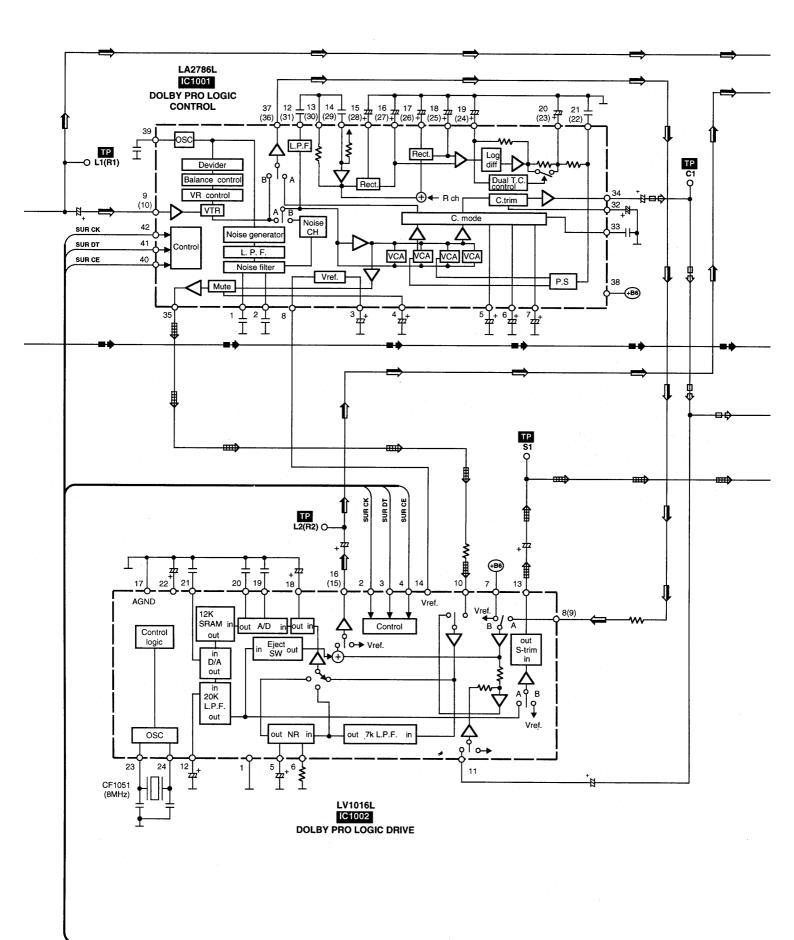


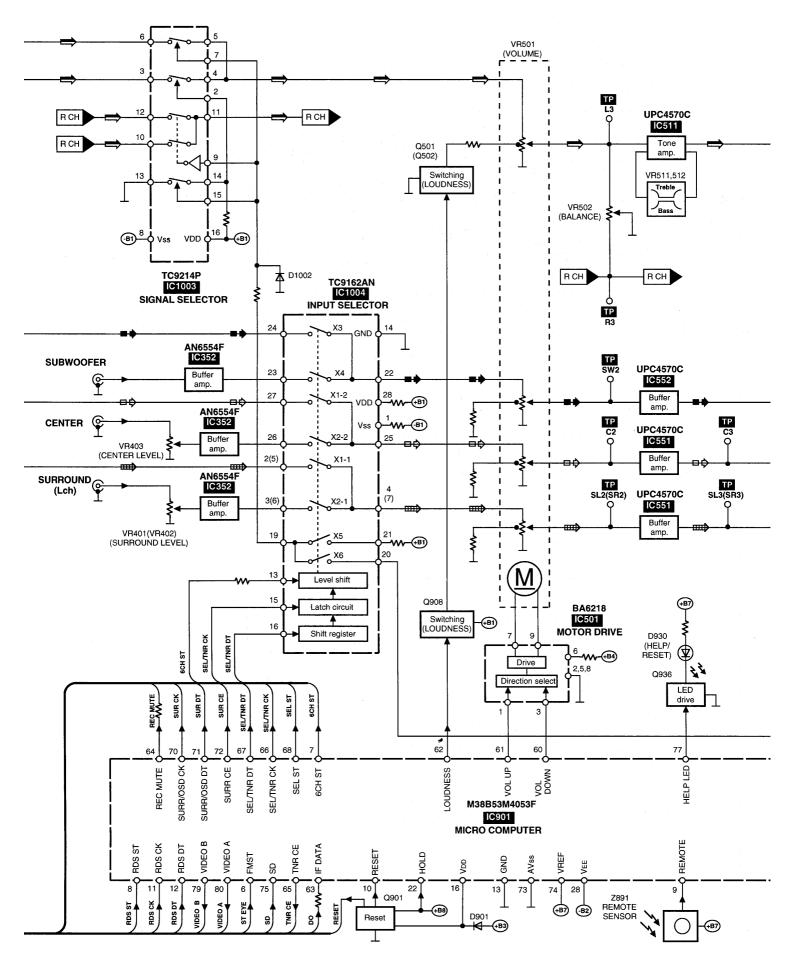
## Block Diagram

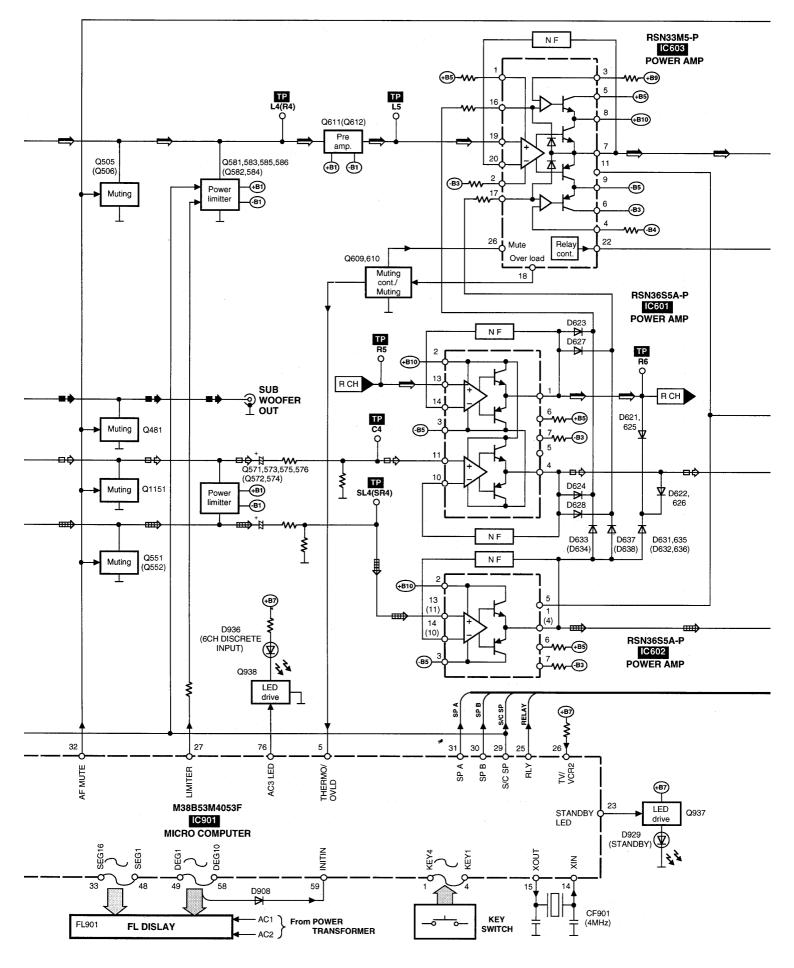


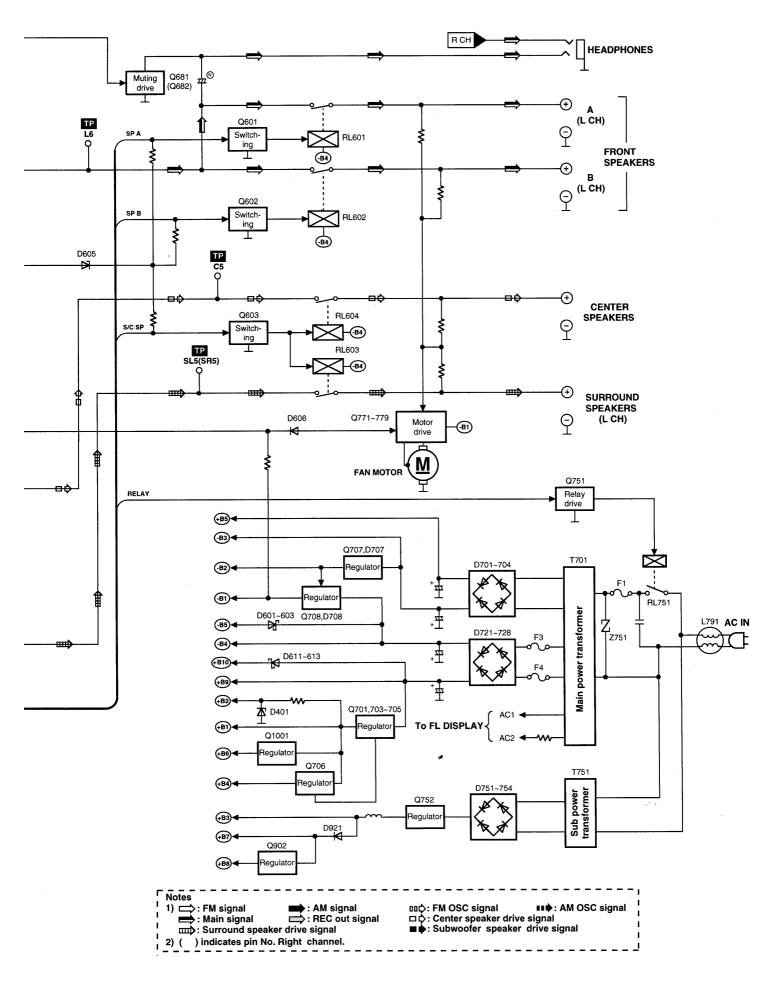












## Replacement Parts List

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 manufacture's specified parts shown in the parts list.

\*The parenthesized indications in the Remarks columns specify the areas. (Refer to the cover

Page for area.) Parts without these indications can be used for all areas. \*[M] Indicates in Remarks columns parts that are supplied by MESA.

. .

Ref. No.	Part No.	Part Name & Description	Pre	Remarks	Ref. No.	Part No.	Part	Name & Description	Pc	Remarks
KC1. NO.	1411 10.	I di ti Name a Description		Relief KS	C132	ECBT1H102KB5		1000P		[M]
1	RKM0342-K	TOP CABINET	1	[M]	C133	ECBT1H150JC5				[M]
		REAR PANEL	1	[M] (E, EG)	C134	ECBT1H180JC5				[M]
	RGR0252E-B	REAR PANEL	1	[M] (EB)	C135, 36 C137, 38	ECBT1C103KS5 ECBT1H561KB5		0. 010 560P		[M] [M]
3 4	RGW0243A-K RKA0079-A	VOLUME KNOB FOOT	4	[M] [M]	C139, 40	ECQB1H682JF3		6800P		[M]
5	RKQ0089-J	PCB SUPPORT	12	[M]	C141-44			10		[M]
7	RMK0350	BOTTOM CHASSIS	1	[M]	C145	ECBT1H220JC5	50V	22P	1	[M]
8	RMN0372	FL HOLDER	1	[M]	C146	ECBT1H331KB5	<u> </u>			[M]
9	SJS9231A	AC INLET COVER	1	[M]	C147	ECBT1H102KB5				[M]
	RXX0182	HEAT SINK UNIT	1	[M]	C148, 49	ECBT1C103NS5		0.010	-	[M] [M]
11	RGU1389B-K RGU1350E-K	SELECTOR BUTTON	_	[M] [M]	C150 C172	ECBT1H104ZF5 ECBT1H331KB5		0. 1U 330P	1	
13	RGW0216-K	TONE KNOB	-	[M]	C173	ECEA1CKA220B			1	
14	RHN90001	NUT	1	[M]	C174	ECEA1CKA101B		1000	1	[M]
15	RGU1491-Q	6CH INPUT BUTTON	1	[M]	C175, 76	ECBT1C103NS5	16V	0. 01U	2	
16		FRONT PANEL ASS'Y	-	[M]	C181	ECBT1H471KB5			1	6-ma
17	SNE2129-3	SCREW		[M]	C196	ECBT1H102KB5			1	
18	XTBS3+8JFZ1	SCREW		[M]	C308, 09	ECEA0JKA101B	-		2	
19 20	XTB3+20JFZ XTB3+8FFZ	SCREW	_	[M] [M]	C311, 12 C329, 30	ECEA1EKA4R7B ECBT1H470J5	25V 50V			[#] [M]
20	RMN0450	LED SUPPORT	4	[M]	C351, 52	ECEA0JKA101B				[M]
22	XTW3+15T	SCREW	7	[M]	C354, 55	ECBT1H104ZF5				[M]
23	RHD26016	SCREW		[M]	C357, 58	ECBT1E103ZF5	25V	0. 01U	2	[M]
24	XTBS26+10J	SCREW		(M)	C373-75	ECEA1CKA470B	16V			[M]
25	RMN0313	LED SUPPORT		[M]	C381-88			3. 3U		[M]
26	RMN0415	LED COVER	-	[M]	C401, 02	ECEA1VKA4R7B		4. 7U	-	[M]
27	XTB3+30J Remod69	SCREW FAN	2	[M] [M]	C403, 04 C405, 06	ECBT1E103ZF5 ECBT1H101KB5				[M] [M]
28 29	RGU1492-K	MUTE/SLEEP BUTTON		[M]	C409, 10	ECEA1EU220B		22U	-	[M]
30	RGU1492-R	SFC (5) BUTTON	1	[M]	C411, 12	ECBT1H101KB5		100P		[M]
31	RGU1352L-K	DOLBY BUTTON	1	[M]	C413, 14	ECEA1CU100B	16V	100		[M]
32	RGU1398-Q	HELP BUTTON	1	[M]	C415, 16	ECBT1E103ZF5	25V	0. 01U	2	[M]
34	RWJ1812150KK	WIRE (12P)	1	[M]	C417, 18	ECBT1H101KB5		100P		[M]
35	RWJ1803290KQ	WIRE (3P)	2	[M]	C419-22	ECBT1H331KB5	50V	330P	_	[M]
			-	Fu-7	C423-26	ECBT1H101KB5		100P		[M]
A1 A2	RAK-SA750WHP RSA0010	REMOTE CONTROL		[M] [M]	C427, 28 C428A	ECBT1H221KB5 ECEA1HKN3R3B		220P 3. 3U	-	[M] [M]
A2 (A) A3	RJA0010 RJA0019-2K	AC CORD		[M] (E, EG)	C420A C431, 32	ECEA1CU100B	16V	100		[M]
A3	VJA0733	AC CORD	1	[M] (EB)	C433, 34	ECBT1H101KB5		100P		[M]
A4	RSA0007	FM ANTENNA	1	[M]	C440	ECBT1E103ZF5		0. 01U	1	[M]
A5<1A>	RQT3970-B	INSTRUCTION MANUAL	1	[M] (EB)	C451, 52	ECEA1HKA4R7B		4. 7U		[M]
A5<1B>	RQT3971-E	INSTRUCTION MANUAL	1	[M] (E)	C453, 54	ECBT1H100JC5		10P	+	[M]
A5 <ic></ic>	RQT3972-D	INSTRUCTION MANUAL	1	[M] (EG)	C455, 56	ECBT1H102KB5		1000P 33U		[M] [M]
A5<1D> A5<1E>	RQT3973-H RQT4006-1R	INSTRUCTION MANUAL	1	[M] (EG) [M] (E)	C457, 58 C459, 60	ECEA1AKA330B ECFR1E223KR	10V	0. 022U		: [M]
AG	RQA0117	WARRANTY CARD	1	[M]	C461, 62	ECFR1E682KR	25V	6800P		: [M]
AT	RQCB0169	SERVICE CENTER LIST	1	[M]	C463, 64	ECEA1HKA4R7B		4. 7U	-	2 [M]
					C465, 66	ECBT1E103ZF5	25V	0. 01U	2	[M]
C101	ECBT1C103NS5			[M]	C469, 70	ECBT1H181KB5				[M]
C103	ECBT1C103NS5			[M]	C471, 72	ECEA1VKA4R7B				(M)
C104	ECBT1H102KB5			[M]	C473, 74	ECBT1E103ZF5			-	2 [M] [M]
C105 C106	ECBT1H470J5 ECBT1C103NS5	50V 47P 16V 0.01U		[M] [M]	C475 C480	ECBT1H101KB5 ECBT1E103ZF5			-	[[M]
C106 C107	ECBT1H473ZF5	· · · · · · · · · · · · · · · · · · ·	$\frac{1}{1}$	[M]	C480 C482	ECEA1HKA4R7B				
C108	ECBT1H8R2KC5		1	[M]	C483	ECBT1H101KB5			-	[M]
C109, 10	ECBT1C103NS5		2	[M]	C484	ECEA1HKA4R7B	50V	4. 7U		[M]
C111	ECEA1EKA4R7B		1	[M]	C491-94	ECBT1H101KB5				4 [M]
C112	ECBT1C103NS5		1	[M]	C501, 02	ECFR1E333KR	-	0.0330		2 [M]
C113	ECBT1H102KB5		1	[M]	C503, 04	ECEA0JKA101B				2 [M] 2 [M]
C114 C115	ECEA1HKA3R3B ECEA1EKA4R7B		1	[M] [M]	C505, 06 C507	ECFR1C104MR ECBT1E103ZF5		0. 10	-	2 [ [M] 1 [ [M]
C115 C116	ECBT1C822MS5		1		C507 C511, 12	ECEA1HKA3R3B			-	2 [W]
C110 C117	ECQB1H471JF3		_	[M]	C513, 14	ECBT1H150J5		15P	_	2 [M]
C118, 19	ECQB1H103JF3			[M]	C515, 16	ECBT1H221KB5	-			2 [M]
C120, 21	ECEA1HKA010B	50V 1U	_	[M]	C517, 18	ECBT1H330J5		33P		2 [M]
C122	ECEA1HKA2R2B		1	[M]	C519-22	ECEA1VKA4R7B		4. 7U	-	4 [M]
C123	ECEA1HKA010B		-	[N]	C523, 24	ECFR1E123KR		0. 0120	_	2 [M]
C124	ECBT1H102KB5		1		C525, 26	ECQV1H683JM3 ECBT1C562KR5		0. 068U 5600P		2 [M] 2 [M]
C125 C126	ECBT1H150JC5 ECBT1H104ZF5		-	[M] [M]	C527, 28 C529, 30	ECQB1H273JF3		0. 027U	_	2 [M] 2 [M]
	ECEA1CKA220B			[M]	C529, 30 C531, 32	ECBT1E103ZF5			-	2 [M]
				[M]	C533, 34	ECEA1CKA100B		100		2 [M]
C127		16V 0.01U	1	1 [m]						
	ECBT1C103NS5 ECEA0JKA101B			[M]	C535	ECBT1H104ZF5		0. 1U		1 [M]
C127 C128	ECBT1C103NS5	6. 3V 100U	2				50V			

		D I N O D I I I	5	D 1					
Ref. No. C537-39	Part No. ECEA1CKA100B	Part Name & Description	-	Remarks [W]	Ref. No. C904	Part No. ECAOJM102B	Part Name & Description 6.3V 1000U		s Remarks
C541, 42	ECEA1CKA470B	16V 47U	<u> </u>	[M]	C904	ECEAOJKA101B		_	[M]
	ECEA1HKA3R3B	50V 3. 3U	2		C908	ECBT1E103ZF5		1	[M]
	ECBT1H101KB5	50V 100P		[M]	C909-12	ECEA1VKA220B	35V 22U	4	[M]
	ECBT1H221KB5	50V 220P		[M]	C913, 14	ECEA1VKA100B		2	
	ECBT1E103ZF5	25V 0.01U		[M]	C916	ECEA1HKA010B		1	
	ECEA1CKA100B ECEA1HKA3R3B	16V 10U 50V 3.3U		[M] [M]	C917 C918	ECEA1HKAR47B		1	[M] [M]
	*** ***	50V 3. 50	1	[W]	C918 C920	ECEA0JKA221B ECEA1HKA010B		1	[M]
	ECBT1H221KB5		1	[M]	C932-34	ECBT1H101KB5			[M]
		25V 0.01U		[M]	C937	ECBT1H101KB5		1	[M]
C581-84	ECEA0JKA101B	6. 3V 100U	4	[M]	C955, 56	ECBT1H101KB5		2	
C601, 02	ECEA1HKN3R3B	50V 3.3U	2	[M]	C1001, 02	ECEA1HKA010B	50V 1U	2	[M]
	ECBT1H681KB5			[M]	C1003, 04	ECEA1HKA3R3B		2	
	ECEA1 JU330B	63V 33U		[M]	C1005	ECEA1HKA010B		1	[M]
	ECCR1H100K5	50V 10P 50V 220P		[M]	C1007	ECFR1E223KR	25V 0. 022U	1	[M]
	ECBT1H221KB5 ECQV1H473JM3	50V 220P 50V 0. 047U		[M] [M]	C1008 C1009	ECFR1E473KR ECEA0JU221B	25V 0. 047U 6. 3V 220U		[M] [M]
		50V 680P		[M]	C1003	ECEATCKA100B			[M]
	ECEA1 JU330B	63V 33U		[M]	C1014	ECEA0JU221B	6. 3V 220U		[M]
C616	ECEA2AU100B	100V 10U	1	[M]	C1015, 16	ECQV1H104JM3	50V 0.1U		[M]
	ECEA1 JU220B	63V 22U	1	[M]	C1017	ECEA1HKAR47B	50V 0. 47U	1	[M]
	ECEA2AN2R2SB	100V 2.2U	1	(M)	C1018	ECEA1HKA4R7B			[M]
	ECBT1H102KB5	50V 1000P		[M]	C1019	ECEA1HKAR47B			[M]
	ECEA2AU100B	100V 10U	-	[M]	C1020	ECEA1HKA4R7B			[M]
	ECKR1H223ZF5 ECKR1H122KB5	50V 0. 022U 50V 1200P		[M] [M]	C1021 C1022	ECEA1HKAR15B ECEA1HKA3R3B	50V 0. 15U 50V 3. 3U		[M] [M]
	ECEA2AU100B	100V 10U		[M]	C1022 C1023	ECQV1H154JM3			[M]
	ECEA1HKN3R3B	50V 3. 3U		[M]	C1024			_	[M]
C653, 54	ECBT1H681KB5	50V 680P	2	[W]	C1025	ECQV1H154JM3		_	[M]
	ECEA1JU330B	63V 33U		[M]	C1026	ECEA1HKAR15B	50V 0.15U	1	[M]
	ECCR1H100K5	50V 10P		(M)	C1027	ECEA1HKA4R7B		1	[M]
	ECBT1H221KB5			[M]	C1028	ECEA1HKAR47B		1	[M]
	ECQV1H473JM3 ECBT1H681KB5	50V 0. 047U 50V 680P	2		C1029	ECEA1HKA4R7B		1	[M]
	ECEA1HKN3R3B		2	[M] [M]	C1030 C1031, 32	ECEA1HKAR47B ECQV1H104JM3			[M] [M]
	ECBT1H681KB5		1	[M]	C1033	ECEA0JKA470B			[M]
		63V 33U	1	[M]	C1034	ECQV1H474JM3			[M]
C670	ECCR1H100K5	50V 10P	1	[M]	C1035	ECBT1H681KB5			[W]
	ECEA2AU100B	100V 10U	2	(M)	C1036-38	ECBT1H101KB5	50V 100P	- 3	[M]
	ECQV1H473JM3		1	[M]	C1039	ECEA1CU101B	16V 100U	_	[M]
		50V 680P	1	[M]	C1040	ECEA1CKA100B		1	
	ECBT1H221KB5 ECEA1HN100SB	50V 220P 50V 10U	2	[M] [M]	C1041 C1051	ECBT1E103ZF5 ECEA1HKA2R2B	25V 0.01U 50V 2.2U	1	
	ECBT1C332KR5	16V 3300P		[M]	C1051	ECEA1HKAR33B			
	ECBT1E103ZF5			[M]	C1053	ECEA1HKA3R3B		1	
		50V 1000P		[M]	C1054	ECEA0JU221B	6. 3V 220U	1	[M]
	ECBT1E103ZF5	25V 0.01U		[M]	C1055	ECEA1HKAR47B	50V 0.47U	1	[M]
		250V 0. 1U		[M]	C1056	ECFR1E823KR	25V 0. 082U	1	
	ECOS1JP682CB			[M]		ECFR1E332KR			[M]
	ECOS1VP562BB ECA1VM101B	35V 5600U 35V 100U		[M] [M]	C1058	ECFR1E823KR			[M]
	ECKR1H103ZF5			[M]	C1059 C1060	ECEA1CKA101B ECBT1E223ZF5			[M] [M]
	ECEA1CKA330B			[M]	C1060	ECBT1E2232F5			[M]
	ECBT1E103ZF5			[M]	C1063	ECEA1CKA101B			[M]
C711	ECKR1H103ZF5	50V 0.01U	1	[M]	C1064	ECEA1HKA010B	50V 1U		[M]
	ECEA1HKA100B		_	[M]	C1065	ECBT1H681KB5			[M]
	ECKR1H103ZF5		1	[M]		ECBT1C152KR5			[M]
	ECEA1EKA470B		1	[M]	C1151	ECEA1HKA010B			[M]
	ECEA1CKA101B ECQE2104KF3			[M] [M]	C1152 C1153		16V 0.068U		[M]
	ECKWRS102MBC		1	[M]	C1153 C1154	ECFR1C273KR ECEA1VKA4R7B	16V 0. 027U 35V 4 7U		[M] [M]
	ECKR1H103ZF5			[M]		ECBT1E103ZF5			[M]
		25V 1000U	1	[M]	C1159	ECEA1HKA010B			[M]
C754	ECBT1E103ZF5		1	[M]	C1161	ECBT1H101KB5			[M]
	ECEA1CKA470B		1	[M]					
	ECEA1CKA100B		1	[M]	CF201		CERAMIC FILTER		[M]
	ECEA1AKA101B		1	[M]	CF202		CERAMIC FILTER		[M]
	ECEA1HKA4R7B		2	[M]	CF901		CERAMIC FILTER		[M]
	ECBT1E223ZF5 ECEA0JU101B			[M] [M]	CF902 CF1051	RSXZ456KM07M EF0ec8004t4	CERAMIC FILTER		[M] [M]
	ECFR1E223KR		1	[M]		LI 0L0000414		-	[m]
		6. 3V 1000U	1	[M]	CN101, 02	RJU057W007	CONNECTOR (7P)	2	[M]
		50V 0.1U	1	[M]		RJU100W07	CONNECTOR (7P)		[M]
C902	LODI III 10421 J								
	ECBT1E103ZF5		1	[M]	CN501	RJU100W07	CONNECTOR (7P)	_1	[M]

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks	Ref. No.	Part No.	Part Name & Description	Pc	Remarks
	RJU100W04	CONNECTOR (4P)		[M]	IC451	AN6558F	IC	_	[M]
	SJS305-1	CONNECTOR (3P)	1	[M]	IC501	BA6218	IC	_1	[M]
	RJS1A6603	CONNECTOR (3P)	1	[M]	IC511	UPC4570C	IC	1	[M]
		CONNECTOR (10P)	5	[M] [M]	IC551, 52				[M] [M]
CN1001, 02	KJUTUUNU/	CONNECTOR (7P)	- 2		A 1C603	RSN333M5-P		1	[M]
CP101.02	RJT057W007-1	CONNECTOR (7P)	2	[M]	10003	M38B53M4053F	10	1	[M]
CP401-05		CONNECTOR (7P)	- 5		1C902	STK311-010	10	1	· · · · · · · · · · · · · · · · · · ·
CP501	RJT100W07	CONNECTOR (7P)	1	[M]	IC1001	LA2786L	IC	1	[M]
CP502	RJT100W04	CONNECTOR (4P)	1	[M]	IC1002	LV1016L	10	1	[M]
	RJP3G4YA	CONNECTOR (3P)	1	[M]	IC1003	TC9214P	10	1	(M)
		CONNECTOR (10P)		[M]	IC1004	TC9162AN	10	1	[M]
CP1001, 02	RJT100W07	CONNECTOR (7P)	2	[M]	IC1151	UPC4570C	1C	1	[M]
A D101	MA4051MTA	DIODE	1	[M]	JK101	RJH4202	ANT TERMINAL	. 1	[M]
		DIODE	1	[M]	JK351	SJFD7-5	VCR1 IN TERMINAL		[M]
		DIODE	· · ·	[M]	JK353	SJF3069-3N	TV, VCR, DVD JACK	1	[M]
		DIODE		(M)	JK354	SJF3069-16N	SURROUND TERMINAL	1	
	MTZJ7R5CTA	DIODE	. 1	[M]	JK401	SJF3068-7N	PHONO TERMINAL	.1	[M]
D403, 04	RVD1SS133TA	DIODE	2	[M]	JK402-04	SJF3069N	TAPE, DVD, VCR JACK		[W]
		DIODE		[M]	JK405	SJFD7	SUB WOOFER	_	[M]
		DIODE		[M]	JK406	SJF3068-7N	CD TERMINAL		[M]
	SB360L6508	DIODE	3	[M] .	JK601	RJR0054	SP TERMINAL		[M]
		DIODE		[M]	JK602	RJH5601	SP TERMINAL		[M]
	MTZJ6R2BTA RVD1SS133TA	DIODE		[M] [M]	JK603 ∕∕∖ JK794	RJR0054 SJS9231-1B	SP TERMINAL AC INLET		[M] [M]
	SB360L6508	DIODE		[M]	<u>/i\</u> JK/94	2223221-1P			[m]
	MA167ATA	DIODE		[M]	L101	ELESNIROMA	COIL	1	[M]
	MA167ATA	DIODE		[M]	L101	ELEXTR47MA9	COIL		[M]
		DIODE		[M]	L105, 06	RLQZB822KT-D	CO!L		[M]
D658-60	RVD1SS133TA	DIODE	3	[M]	L151	SLM1B10M-1M	COIL	1	[M]
	P300DLF	DIODE	4	[M]	L191	ELESNR56MA	COIL		[M]
tart of	MTZJ6R2BTA	DIODE	1	[M]	L501, 02	RLQZP1R0KT-Y	COIL		[M]
	MTZJ27DTA	DIODE	1	[M]	L601, 02	RLQYR73MW-E	COIL		[M]
	MTZJ15CTA	DIODE		[M]	L651, 52	RLQYR73MW~E	COIL		[M]
	P300DLF 1SR35200TB	DIODE		[M] [M]	L671 L751	RLQYR73MW-E RLQB101KTA-Y	COIL		[M] [M]
		DIODE		[M]	A L791	SLQZ650MH49	COIL		[M]
		DIODE		[M]	L901	RLQB101KTA-Y			[M]
	RVD1SS133TA	DIODE		[M]	L902	RLQZP101KT-Y	COIL		[M]
	MTZJ9R1CTA	DIODE	1	[M]	L1051	RLQB101KTA-Y	COIL	1	[M]
D774	RVD1SS133TA	DIODE	1	[M]					A CONTRACTOR OF
		DIODE	2	[M]	P1	RPN0966-1	PAD	1	
D901	1SS291TA	DIODE	1	[M]	P2	RPFX0005	MIRAMAT BAG	1	
	MTZJ4R7BTA	DIODE	1	[M]	P3	RPG3481	PACKING CASE	1	[M] (E)
	MA167ATA	DIODE		[M]	P3	RPG3482 SPB1061	PACKING CASE SHEET	1	[M] (EB, EG)
		DIODE	1	[M]	P4 P5	SPSD152	ACCESSORY BOX	1	[M] [M]
	MTZJ3R9ATA	DIODE		[M]	10	0100102		'	[m]
		DIODE	1	[M]	Q101	2SC2787LTA	TRANSISTOR	1	[M]
	LN846RP	LED	1	[M]	Q103, 04	2SC2785FETA	TRANSISTOR		[M]
D930	SLR342DC	LED	1	[M]	Q106	UN411FTA	TRANSISTOR	1	[M]
	SLR342MC	LED	1	6a	Q107, 08	2SC3311AR	TRANSISTOR		[M]
	MTZJIOCTA	DIODE	·	[M]	<u>∧</u> Q351	2SD592AQSTA	TRANSISTOR	_	[M]
D1002	MA700ATA	DIODE	1	[M]	A Q352	2SB621AQSTA	TRANSISTOR		[M]
E 401	SNE1004 0		1	[M]	Q401, 02	2SK381BCDTA 2SD1915FTA	TRANSISTOR		[M] [M]
	SNE1004-2 SNE1004-2	EARTH TERMINAL	1	[M]	Q481 Q501, 02	2SDT915FTA 2SJ40CDTA	TRANSISTOR TRANSISTOR		[M] [M]
2001	SAL1004 2		<u> </u>		Q505, 06	2SD1915FTA	TRANSISTOR		2 [M]
<u></u> ▲ F1	XBA2C25TB0	FUSE	1	[M]	Q551, 52	2SD1915FTA	TRANSISTOR		[M]
	XBA2C63TB0	FUSE		[M]	Q571, 72	2SA1309AQSTA			2 (M)
					Q573, 74	2SC3311AQSTA		2	[M]
FC701, 02		FUSE HOLDER	2	[M]	Q575 🕫	2SA1309AQSTA			[M]
FC705-08	EYF52BC	FUSE HOLDER	4	[M]	Q576	2SC3311AQSTA			[M]
			L	<b>6</b> 12	Q581, 82	2SA1309AQSTA			[M]
FL901	RSL0233-F	FL	1	[M]	Q583, 84	2SC3311AQSTA			2 [M]
HP601	RJJ63TA01	HP JACK	1	[M]	Q585, 86 Q601-03	2SA1309AQSTA DTA113ZSATP	TRANSISTOR		2 [M] 3 [M]
17001	1031001A01	III JAGA	$\vdash$		Q601-03 Q609	DTATT3ZSATP DTC114ES	TRANSISTOR		[M]
10101	LA1832A	IC	1	[M]	Q610	DTC114ES	TRANSISTOR		[M]
10102	LC7218			[M]	Q611, 12	2SC3311AQSTA		_	2 [M]
	NJM2279D	IC	i i	[M]	Q681, 82	2SD1915FTA	TRANSISTOR		2 [M]
IC352	AN6554F	IC	1	[M]	<u>∧</u> Q701	2SD2374PQAU	TRANSISTOR	1	[M]
IC401	TC9163AN	IC	1		<u>∧</u> Q703-05	2SC3311AQSTA		_	3 [M]
1C402	UPC4570C	IC	1	[M]	<u>∧</u> Q706	2SC3940AQSTA	TRANSISTOR	1	[M]
1			I		I L	1			

Ref. No.           ▲ Q707           ▲ Q708           Q751           ▲ Q752           Q7711           Q772           Q773           Q774           Q775           Q776	Part No. 2SA1534AQRTA 2SB1548PQAU DTC143XSTP 2SC3940AQSTA 2SA933STA	Part Name & Description TRANSISTOR TRANSISTOR TRANSISTOR		[M]	Ref. No. R417, 18	Part No. ERDS2TJ473T	Part 1/4W	Name & Description 47K		S [m]	Remarks
▲ Q708           Q751           ▲ Q752           Q771           Q772           Q773           Q774           Q775           Q776	2SB1548PQAU DTC143XSTP 2SC3940AQSTA	TRANSISTOR	1			ERD32134131	1/48	4/N	4	111	
Q751 ▲ Q752 Q771 Q772 Q773 Q774 Q775 Q776	DTC143XSTP 2SC3940AQSTA			[M]	R419-22	ERDS2TJ104T	1/4W	100K	4	[M	
Q771 Q772 Q773 Q774 Q775 Q776			1	[M]	R413 22 R423, 24	ERDS2TJ102T	1/4₩	1K		[M]	
Q772 Q773 Q774 Q775 Q776	2SA933STA	TRANSISTOR	1	[M]	R425-27	ERDS2TJ103T	1/4W	1 OK		[M]	
Q773 Q774 Q775 Q776		TRANSISTOR	1	(M)	R428	ERDS2TJ332T	1/4W	3. 3K	1	[M]	
Q774 Q775 Q776		TRANSISTOR		[M]	R433, 34	ERDS2TJ102T	1/4₩	1K		[M]	
Q775 Q776	2SB621AQRSTA DTA114ESTP	TRANSISTOR TRANSISTOR	-	[M] [M]	R435	ERDS2TJ473T	1/4₩	47K		EM.	
Q776	2SA1309AQSTA	TRANSISTOR		[M]	<u>∧</u> R440 R441, 42	ERDS1FJ560 ERDS2TJ473T	1/2W	56 47K		EM]	
	2SC3311AQSTA	TRANSISTOR		[M]	A R441, 42	ERDS1FJ560	1/2₩	56		[M]	-
Q777	2SA1309AQSTA	TRANSISTOR		[M]	R451, 52	ERDS2FJ224	1/4₩	220K	2		
Q778	DTA114TSTP	TRANSISTOR		[M]	R453, 54	ERDS2TJ391T	1/4₩	390		[M]	
Q779		TRANSISTOR	1	[M]	R455, 56	ERDS2TJ563T	1/4₩	56K	2	[M]	1
Q901	DTC114YS	TRANSISTOR		[#]	R457, 58	ERDS2TJ271T	1/4W	270	2	[M]	J
<u>∕</u> ∆ Q902	2SA933SSTA	TRANSISTOR		[M]	R459, 60	ERDS2FJ680	1/4₩	68		[M]	
Q907, 08 Q909	DTC114YS 2SC3311AR	TRANSISTOR		[M]	R461, 62	ERDS2FJ184	1/4₩	180K	2		
Q909 Q936	DTC114YS	TRANSISTOR TRANSISTOR		[M] [M]	R463, 64 R465, 66	ERDS2TJ123T ERDS2TJ563T	1/4W 1/4W	12K 56K		[M] [M]	
Q937	DTA114YSTP	TRANSISTOR		[M]	R465, 68	ERDS2TJ363T	1/4W	1K		[M]	
Q938	DTC114YS	TRANSISTOR		[M]	R473, 74	ERDS2TJ102T	1/4W	1K		[M]	
A Q1001	2SC3940AQSTA	TRANSISTOR		[M]	R477	ERDS2TJ103T	1/4₩	10K		[M]	
Q1151	2SD1915FTA	TRANSISTOR		[M]	R478	ERDS2TJ104T	1/4W	100K		[M]	
					R479, 80	ERDS2TJ822T	1 <b>/4</b> ₩	8. 2K		[M]	
R103	ERDS2TJ101T	1/4W 100		[M]	R481	ERDS2TJ332T	1/4W	3. 3K		[M]	
R104	ERDS2TJ102T	1/4W 1K		[M]	R483	ERDS2TJ822T	1/4₩	8. 2K		[M]	
R105 R106	ERDS2TJ471T ERDS2FJ224	1/4W 470 1/4W 220K		[M] [M]	R484	ERDS2TJ104T	1/4W	100K		[M]	
R106		1/4W 22UK	1	[M] [M]	R485 R486	ERDS2FJ224 ERDS2TJ102T	1/4₩ 1/4₩	220K 1K		[M] [M]	
R110	ERDS2TJ102T	1/4₩ 1K		[M]	R486 R487	ERDS2TJ102T	1/4W	4. 7K		EMJ	
R112	ERDS2TJ104T	1/4W 100K		[M]	R501, 02	ERDS2TJ222T	1/4₩	2. 2K		[M]	
R113	ERDS2TJ103T	1/4W 10K	1	[M]	R503-06	ERDS2TJ103T	1/4₩	10K		[M]	
R114	ERDS2TJ562T	1/4W 5.6K	1	[M]	R507	ERDS2TJ153T	1/4W	15K	1	[M]	
R115	ERDS2TJ561T	1/4W 560		[M]	A R508	ERDS1FJ2R2	1/2W	2. 2		[M]	
R116	ERDS2TJ102T	1/4W 1K		[M]	R509, 10	ERDS2TJ103T	1/4W	10K.		[M]	
R117 R118	ERDS2TJ473T ERDS2TJ562T	1/4W 47K 1/4W 5.6K		[M]	R511, 12	ERDS2TJ471T	1/4W	470		[M]	
R110 R119	ERDS2FJ183	1/4W 18K		[M] [M]	R513-16 R517, 18	ERDS2TJ474T ERDS2TJ332T	1/4W	470K 3. 3K		[M] [M]	
R120	ERDS2TJ473T	1/4₩ 47K		[M]	R519, 20	ERDS2TJ352T	1/4W	1. 8K		[M]	
R121	ERDS2TJ332T	1/4W 3.3K	1	[M]	R521, 22	ERDS2TJ223T	1/4₩	22K		[M]	
R122	ERDS2FJ272	1/4W 2.7K	1	[M]	R523, 24	ERDS2FJ392	1/4W	3. 9K	2		
R124		1/4W 270		[M]	R525, 26	ERDS2TJ222T	1/4W	2. 2K	2	[M]	i .
R125, 26	ERDS2TJ472T	1/4W 4.7K		[M]	R527, 28	ERDS2TJ122T	1/4W	1. 2K	2	[M]	
R127	ERDS2TJ103T	1/4W 10K	1	[M]	R529, 30	ERDS2TJ273T	1/4W	27K	2	[M]	
R128 R129	ERDS2TJ820T ERDS2TJ473T	1/4W 82 1/4W 47K		[M] [M]	R531, 32	ERDS2TJ332T	1/4₩	3. 3K	2	[M]	
R129 R130, 31		1/4W 1K	· · · ·	[M]	R533, 34 R535, 36	ERDS2TJ473T ERDS2FJ392	1/4₩ 1/4₩	47K 3. 9K	2	[M] [M]	
R132	ERDS2TJ103T	1/4W 10K	1	[M]	R537, 38	ERDS2TJ103T	1/4₩	10K	2	[M]	
R133-37	ERDS2TJ102T	1/4₩ 1K	5	[M]	R539, 40	ERDS2FJ272	1/4₩	2. 7K	2	[M]	
		1/4W 2.7K		[M]	R541, 42	ERDS2FJ682	1/4W	6. 8K	2	[M]	
	ERDS2TJ102T		2	[M]	R543, 44		1/4W			[M]	
R143, 44		1/4W 2.2K		[M]	R545		1/4W			[M]	
R145		1/4W 1K		[M] (E, EB)	R546	ERDS2TJ332T	1/4W			[M]	
R145 R146		1/4W 560 1/4W 1K		[M] (E, EG) [M] (E, EB)	R547 R548	ERDS2TJ103T ERDS2FJ392	1/4W 1/4W			[M] [M]	
R146		1/4W 560	-	[M] (E, EG)	R548 R549	ERDS2FJ392 ERDS2TJ222T	1/48			[M]	
R147, 48	ERDS2TJ474T	1/4W 470K		[M]	R550-52	ERDS2TJ222T	1/4₩			[M]	
R149	ERDS2FJ680	1/4W 68		[M]	R553, 54	ERDS2TJ104T	1/4₩	100K		[M]	
		1/4W 1K		[M]	R555, 56	ERDS2TJ223T	1/4₩	22K		[M]	
R173		1/4W 470		[M]	R557, 58	ERDS2TJ471T	1/4₩			[M]	
R175		1/4₩ 1K		[M]	R559, 60	ERDS2TJ222T	1/4₩			[M]	
R176	ERDS2TJ391T	1/4W 390		[M]	R561, 62	ERDS2TJ102T	1/4₩			[M]	
R181 R301-03	ERDS2TJ332T ERDS2TJ750T	1/4W 3.3K 1/4W 75		[M] [M]	R563, 64	ERDS2TJ104T ERDS2TJ223T	1/4W	100K 22K		[M] [W]	
R301-03	ERDS2TJ750T	1/4W 27K	-	[M]	R565 R567	ERDS21J2231 ERDS2TJ471T	1/4W 1/4W	470		[M] [M]	
R342-44	ERDS2TJ104T	1/4W 100K		[M]	R569, 70	ERDS2TJ332T	1/4			[M]	
		1/4₩ 27K		[M]	R571, 72	ERDS2TJ222T	1/4W			[M]	
R347-52		1/4W 100K	6	[M]	R573-78	ERDS2TJ102T	1/4W	1K	6	[M]	J
R359	ERDS2TJ750T	1/4W 75		[M]	R579	ERDS2FJ122	1/4W			[M]	
R362	ERDS2TJ750T	1/4₩ 75		[M]	R580	ERDS2TJ102T	1/4W	1K		[M]	
	ERDS2TJ102T	1/4W 1K		[M]	R581	ERDS2TJ332T	1/4W			[M]	
	ERDS2TJ182T ERD2FCG220	1/4W 1.8K 1/4W 22		[M] [M]	R582-88	ERDS2TJ102T	1/4₩			[M]	
		1/4W 10K		[M]	R589 R590	ERDS2TJ182T ERDS2TJ473T	1/4₩ 1/4₩		_	[M] [M]	
R401, 02	ERDS2TJ103T	1/4W 1K		[M]	R590 R591, 92	ERDS2TJ473T ERDS2TJ222T	1/4₩ 1/4₩			EMJ EMJ	
	ERDS2TJ102T	1/4W 1K		[M]	R593	ERDS2TJ222T	1/4			[M]	

Ref. No.	Part No.	Part	Name & Description	Pre	Remarks	Ref. No.	Part No.	Part	Name & Description	Pcs	Remarks
R594		1/4W	10K		[M]	R729	ERDS2TJ684T	1/4W	680K		
R595	ERDS2TJ473T	1/4W	47K	1	[M]	<u>∕</u> R730	ERDS1FJ5R6	1/2₩	5. 6	1	[M]
R596	ERDS2TJ102T	1/4W	1K	1	[M]	<u>∧</u> R732	ERDS1FJ150	1/2W	15	: 1	[M]
R597, 98	ERDS2FJ272	1/4W	2. 7K	2	[M]	R754	ERDS2TJ102T	1/4W	1K	1	[M]
R599-02	ERDS2TJ102T	1/4W	1K	4	[M]	R771, 72	ERDS2TJ473T	1/4W	47K		[M]
		1/4₩	56K		[M]	R773	ERDS2TJ103T	1/4W	10K		[M]
		1/4W	1. 8K		[M]	R774	ERDS2TJ335T	1/4W	3. 3M	-	[M]
		1/4W	56K		[M]	R775	ERDS2TJ331T	1/4W	330	-	[M]
	ERDS2TJ470T	1/4W	47		[M]	A R776	ERDS1FJ4R7 ERDS2FJ224	1/2W	4. 7 220K		[M] [M]
<u>∧</u> R611, 12 R613, 14	ERDS1FJ100 ERDS2TJ102T	1/2₩ 1/4₩	10 1K		[M] [M]	R777 R778	ERDS2FJ224 ERDS2TJ472T	1/4W	4. 7K		[M]
R615, 14	ERDS2FJ184	1/4W	180K	2	[M]	R779	ERDS2TJ472T	1/4	10K		[M]
R616	ERDS2TJ154T	1/4W	150K	1	[M]	R782	ERDS2TJ470T	1/4₩	47	1	[M]
	ERDS2TJ473T	1/4W	47K	2	[M]	R783	ERDS2TJ103T	1/4₩	10K	1	[M]
R619	ERDS2TJ223T	1/4₩	22K	1	[M]	R784	ERDS2TJ154T	1/4₩	150K	1	[M]
<b>▲ R620</b>	ERD25FVJ220T	1/2W	22	1	[M]	R785	ERDS2TJ103T	1/4W	10K	1	[W]
<u>∧</u> R621, 22	ERDS2FJ680	1/4W	68	2	[M]	R786	ERDS2TJ154T	1/4W	150K	. 1	[M]
R623	ERDS2TJ104T	1/4W	100K	1	[M]	R791-96	ERDS2TJ223T	1 <b>/4</b> ₩	22K	6	[M]
R624, 25	ERDS2TJ154T	1/4₩	150K	2	[M]	R797	ERDS2FJ682	1 <b>/4</b> ₩	6. 8K	1	[M]
R626	ERDS2TJ332T	1/4₩	3. 3K	1	[M]	R798	ERDS2TJ223T	1/4W	22K	1	[M]
R627	ERDS2TJ155T	1/4₩	1. 5M	1	[M]	R799	ERDS2FJ682	1/4W	6. 8K	1	[M]
R628	ERDS2TJ223T	1/4₩	22K	1	[M]	R901	ERDS2TJ102T	1/4W	1K		[M]
R629, 30	ERDS2FJ682	1/4₩	6. 8K	2		R906-09 R910	ERDS2TJ104T	1/4W	100K 1K	4	[M] [M]
R631 R632	ERDS2TJ123T ERDS2TJ472T	1/4W 1/4W	12K 4. 7K		[M] [M]	R910 R911	ERDS2TJ102T ERDS2TJ104T	1/4W	100K		[M]
R632 R633	ERDS2TJ472T ERDS2TJ123T	1/4W	12K		[M]	R913	ERDS2TJ104T	1/4	10K	1	
R634	ERDS2TJ472T	1/4₩	4. 7K	1	[M]	R917	ERDS2TJ103T	1/4₩	10K	1	[M]
	ERDS2FJ330	1/4₩	33		[M]	R920	ERDS2TJ271T	1/4₩	270	1	[M]
	ERG1SJ101	1₩	100	4	[M]	R921	ERDS2TJ121T	1/4W	120	1	[M]
R641	ERDS2TJ332T	1 <b>/4W</b>	3. 3K	1	[M]	R922	ERDS2TJ472T	1/4W	4. 7K	1	[M]
R642	ERDS2TJ104T	1 <b>/4</b> ₩	100K	1	[M]	R924	ERDS2TJ333T	1/4W	33K	1	[M]
R643	ERDS2TJ393T	1/4W	39K	1	[M]	R926	ERDS2TJ121T	1/4W	120	1	[M]
<u>∧</u> R645, 46	ERD2FCG220	1/4W	22		[M]	R927	ERDS2FJ181	1/4W	180	1	[M]
	ERDS2TJ221T	1/4W	220		[M]	R928	ERDS2TJ121T	1/4W	120	1	[M]
<u>∧</u> R649, 50	ERDS2FJ680	1/4W	68	-	(M)	R929, 30	ERDS2TJ101T	1/4W	100	2	
	ERDS2TJ102T	1/4W	1K		[M]	R936, 37	ERDS2TJ104T	1/4W	100K	2	[M] [M]
R653, 54 R655, 56	ERDS2TJ563T ERDS2TJ182T	1/4W 1/4W	56K 1. 8K		[M] [M]	R941 R943	ERDS2TJ472T ERDS2TJ102T	1/4W	4. 7K		[M]
R657, 58	ERDS2TJ162T	1/4W	56K		[M]	R944, 45	ERDS2TJ102T	1/4₩	100K	2	[M]
R659, 60	ERDS2TJ470T	1/4W	47		[M]	R946-49	ERDS2TJ103T	1/4W	10K	4	
<u>∧</u> R661, 62	ERDS1FJ100	1/2₩	10		[M]	R950	ERDS2TJ102T	1/4W	1K	1	[W]
R663, 64	ERDS2TJ102T	1/4W	1K	2	[M]	R951	ERDS2TJ122T	1/4W	1. 2K	1	[M]
R665	ERDS2FJ184	1/4W	180K	1	[M]	R952	ERDS2TJ152T	1/4W	1. 5K	1	[M]
R666	ERDS2TJ154T	1/4W	150K	1	(M)	R953	ERDS2TJ182T	1/4W	1. 8K	1	[M]
R667	ERDS2TJ102T	1/4₩	1K	1	(M)	R954	ERDS2TJ222T	1/4W	2. 2K	1	[M]
R668	ERDS2TJ563T	1/4₩	56K	1	[M]	R955	ERDS2TJ332T	1/4W	3. 3K	1	[M]
R669	ERDS2TJ182T	1/4₩	1. 8K		[M]	R956	ERDS2TJ472T	1/4₩	4. 7K	1	[M]
R670	ERDS2TJ563T ERDS2FJ680	1/4₩ 1/4₩	56K 68	2	[M] [M]	R957 R958	ERDS2FJ682 ERDS2TJ123T	1/4₩ 1/4₩	6. 8K 12K	1	[M] [M]
	ERDS2FJ000 ERDS2TJ470T		47		[M]	R960	ERDS2TJ102T			1	
		1/2₩			[M]	R961	ERDS2TJ122T		1. 2K		[M]
R675		1/4₩			[M]	R962	ERDS2TJ152T		1. 5K		[M]
A R676	ERDS2FJ330	1/4W	33		[M]	R963	ERDS2TJ182T	1/4W		-	[M]
R677	ERDS2TJ274T	1/4W	270K	1	[M]	R964	ERDS2TJ222T	1/4W	2. 2K		[M]
R678	ERDS2FJ184		180K	-	[M]	R965	ERDS2TJ332T	1/4W			[M]
R679	ERDS2FJ330	1/4W	33	-	[M]	R970	ERDS2TJ102T	1/4W		_	[M]
R680	ERDS2TJ221T		220			R971	ERDS2TJ122T	1/4₩		-	[M]
R681-94	ERDS2FJ270		27		[M]	R972	ERDS2TJ152T	1/4₩			[M]
R695, 96	ERDS2TJ102T	1/4W		-	[M] [M]	R973 R974	ERDS2TJ182T	1/4W			[M] [M]
R697, 98 R699	ERDS2TJ221T ERDS2TJ332T		220 3. 3K	-	[M]	R974 R975	ERDS2TJ222T ERDS2TJ332T	1/4W			[M]
R699	ERDS1FJ3R9		3. 9		[M]	R975	ERDS2TJ3321 ERDS2TJ472T	1/4		_	[M]
R705	ERDS2TJ472T		4. 7K		[M]	R980	ERDS2TJ102T	1/4₩		-	[M]
R706	ERDS2TJ102T		1K	-	[M]	R981	ERDS2TJ122T	1/4₩		-	[M]
<b>▲ R707</b>	ERDS2FJ221	1/4W	220	-	[M]	R982	ERDS2TJ152T	1/4W			
R708	ERDS2TJ152T	1/4W	1. 5K	1	[M]	R983	ERDS2TJ182T	1/4W	1. 8K	_	[M] .
R709, 10	ERDS2FJ1R5	1/4W		2		R984	ERDS2TJ222T	1/4W		_	[M]
R711	ERDS2FJ752		7. 5K	1	[M]	R990	ERDS2TJ153T	1/4W		-	[M]
R712	ERDS2FJ682		6. 8K	1	[M]		ERDS2TJ102T	1/4₩			1 [M]
R713, 14	ERDS2TJ390T	1/4W		2		R1005	ERDS2FJ203	1/4₩		-	[M]
A R721	ERDS1FJ561	1/2₩		1				1/4₩			2 [M]
R722	ERDS2TJ123T	1/4₩	12K	1		R1009-11	ERDS2TJ332T	1/4W			3 [N]
▲ R723, 24 R725	ERDS1FJ100 ERDS2TJ821T	1/2₩ 1/4₩	10 820	+	[M] [M]	R1012 R1013	ERDS2TJ102T ERDS2TJ103T	1/4W			[M]   [M]
R725	ERD25FVJ331T	1/4W	330		[M]	R1013	ERDS2TJ103T ERDS2TJ104T		100K	+	[M]
		., -+=		1				1.7.4"		+	
				1			l	1		1	
L	·			<u> </u>		h	L				

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R1051	ERDS2TJ393T	1/4W 39K	1	[M]
R1052	ERDS2FJ105	1/4W 1M	1	
R1052	ERDS2TJ102T	1/4W 1K		[M]
R1055	ERDS2FJ224	1/4W 220K	1	(M)
		1/4W 15K		
R1056	ERDS2TJ153T			[M]
R1061	ERDS2TJ222T	1/4W 2.2K		[M]
R1062	ERDS2TJ273T	1/4W 27K	1	[M]
R1063	ERDS2TJ332T	1/4W 3.3K	. 1	[M]
R1151, 52	ERDS2TJ473T	1/4W 47K	2	(M)
R1154	ERDS2TJ273T	1/4W 27K	1	[M]
R1155, 56	ERDS2TJ393T	1/4W 39K		[H]
R1158	ERDS2TJ104T	1/4W 100K	1	[M]
	ERDS2TJ104T	1/4W 100K	1	
R1160	ERD321J1041	174W 100K	- '	[M]
R469, 70	ERDS2TJ102T	1/4W 1K	2	[M] (E)
A RL601-04	RSY0013M-0	RELAY	4	[M]
⚠ RL751	RSY0019M-0	RELAY	1	[M]
\$946	EVQ21405R	SW	1	[M]
S948	EVQ21405R	SW		[M]
\$950-58	EV021405R	SW		[M]
\$965	EVQ21405R	SW		[M]
	EV021405R	SW		[M]
\$970-76 \$980-85		SW	_	[M]
	EVQ21405R		-	
S991-96	EVQ21405R	SW	6	
<u>∧</u> T701	RTP1Q5B003-V	POWER TRANSFORMER	1	[M]
<u>∧</u> T751	RTP115E006	POWER TRANSFORMER	1	[M]
	[			
VR401-03	EVUE3AE20B15	VOLUME	3	[M]
VR501	EUWM6A026B15	VOLUME	-	[M]
VR502		VOLUME		[M]
	EWCOYAF15G15		-	
VR511, 12	EWC1XA016C15	VOLUME	2	[M]
	ļ		ļ	
X101	RSXZ456KM07M	OSCILLATOR		[M]
X102	RLFDGTD011	OSCILLATOR	1	[M]
X103	SVQ49U722T-S	OSCILLATOR	1	[M] .
	SVQ49U722T-S	OSCILLATOR	1	[M]
X103				
X103 Z101	RLA2Z002M-T	COMPONENT COMBINATION	- 1	[M]
X103 Z101 Z102	RLA2Z002M-T RL12Z006M-T	COMPONENT COMBINATION COMPONENT COMBINATION	1	[M] [M]
X103 Z101 Z102 Z120	RLA2Z002M-T RL12Z006M-T ENV17290G1R	COMPONENT COMBINATION COMPONENT COMBINATION FM FRONT END	1	(M) (M) (M)
X103 Z101 Z102 Z120 A 2751	RLA2Z002M-T RL12Z006M-T ENV17290G1R ERZV10V511CS	COMPONENT COMBINATION COMPONENT COMBINATION FM FRONT END COMPONENT COMBINATION	-1 1 1	[M] [M] [M] [M]
X103 Z101 Z102 Z120	RLA2Z002M-T RL12Z006M-T ENV17290G1R	COMPONENT COMBINATION COMPONENT COMBINATION FM FRONT END	1	(M) (M) (M)
X103 Z101 Z102 Z120 A 2751	RLA2Z002M-T RL12Z006M-T ENV17290G1R ERZV10V511CS	COMPONENT COMBINATION COMPONENT COMBINATION FM FRONT END COMPONENT COMBINATION	-1 1 1	[M] [M] [M] [M]
X103 Z101 Z102 Z120 A 2751	RLA2Z002M-T RL12Z006M-T ENV17290G1R ERZV10V511CS	COMPONENT COMBINATION COMPONENT COMBINATION FM FRONT END COMPONENT COMBINATION	-1 1 1	[M] [M] [M] [M]
X103 Z101 Z102 Z120 A 2751	RLA2Z002M-T RL12Z006M-T ENV17290G1R ERZV10V511CS	COMPONENT COMBINATION COMPONENT COMBINATION FM FRONT END COMPONENT COMBINATION	-1 1 1	[M] [M] [M] [M]
X103 Z101 Z102 Z120 A 2751	RLA2Z002M-T RL12Z006M-T ENV17290G1R ERZV10V511CS	COMPONENT COMBINATION COMPONENT COMBINATION FM FRONT END COMPONENT COMBINATION	-1 1 1	[M] [M] [M] [M]
X103 Z101 Z102 Z120 A 2751	RLA2Z002M-T RL12Z006M-T ENV17290G1R ERZV10V511CS	COMPONENT COMBINATION COMPONENT COMBINATION FM FRONT END COMPONENT COMBINATION REMOTE SENSOR	-1 1 1	[M] [M] [M] [M]
X103 Z101 Z102 Z120 A 2751	RLA2Z002M-T RL12Z006M-T ENV17290G1R ERZV10V511CS	COMPONENT COMBINATION COMPONENT COMBINATION FM FRONT END COMPONENT COMBINATION REMOTE SENSOR	-1 1 1	[M] [M] [M] [M]
X103 Z101 Z102 Z120 A 2751	RLA2Z002M-T RL12Z006M-T ENV17290G1R ERZV10V511CS	COMPONENT COMBINATION COMPONENT COMBINATION FM FRONT END COMPONENT COMBINATION REMOTE SENSOR	-1 1 1	[M] [M] [M] [M]
X103 Z101 Z102 Z120 A 2751	RLA2Z002M-T RL12Z006M-T ENV17290G1R ERZV10V511CS	COMPONENT COMBINATION COMPONENT COMBINATION FM FRONT END COMPONENT COMBINATION REMOTE SENSOR	-1 1 1	[M] [M] [M] [M]
X103 Z101 Z102 Z120 A 2751	RLA2Z002M-T RL12Z006M-T ENV17290G1R ERZV10V511CS	COMPONENT COMBINATION COMPONENT COMBINATION FM FRONT END COMPONENT COMBINATION REMOTE SENSOR	-1 1 1	[M] [M] [M] [M]
X103 Z101 Z102 Z120 A 2751	RLA2Z002M-T RL12Z006M-T ENV17290G1R ERZV10V511CS	COMPONENT COMBINATION COMPONENT COMBINATION FM FRONT END COMPONENT COMBINATION REMOTE SENSOR	-1 1 1	[M] [M] [M] [M]
X103 Z101 Z102 Z120 A 2751	RLA2Z002M-T RL12Z006M-T ENV17290G1R ERZV10V511CS	COMPONENT COMBINATION COMPONENT COMBINATION FM FRONT END COMPONENT COMBINATION REMOTE SENSOR	-1 1 1	[M] [M] [M] [M]
X103 Z101 Z102 Z120 A 2751	RLA2Z002M-T RL12Z006M-T ENV17290G1R ERZV10V511CS	COMPONENT COMBINATION COMPONENT COMBINATION FM FRONT END COMPONENT COMBINATION REMOTE SENSOR	-1 1 1	[M] [M] [M] [M]
X103 Z101 Z102 Z120 A 2751	RLA2Z002M-T RL12Z006M-T ENV17290G1R ERZV10V511CS	COMPONENT COMBINATION COMPONENT COMBINATION FM FRONT END COMPONENT COMBINATION REMOTE SENSOR	-1 1 1	[M] [M] [M] [M]
X103 Z101 Z102 Z120 <u>A</u> 2751	RLA2Z002M-T RL12Z006M-T ENV17290G1R ERZV10V511CS	COMPONENT COMBINATION COMPONENT COMBINATION FM FRONT END COMPONENT COMBINATION REMOTE SENSOR	-1 1 1	[M] [M] [M] [M]
X103 Z101 Z102 Z120 <u>A</u> 2751	RLA2Z002M-T RL12Z006M-T ENV17290G1R ERZV10V511CS	COMPONENT COMBINATION COMPONENT COMBINATION FM FRONT END COMPONENT COMBINATION REMOTE SENSOR	-1 1 1	[M] [M] [M] [M]
X103 Z101 Z102 Z120 <u>A</u> 2751	RLA2Z002M-T RL12Z006M-T ENV17290G1R ERZV10V511CS	COMPONENT COMBINATION COMPONENT COMBINATION FM FRONT END COMPONENT COMBINATION REMOTE SENSOR	-1 1 1	[M] [M] [M] [M]
X103 Z101 Z102 Z120 <u>A</u> 2751	RLA2Z002M-T RL12Z006M-T ENV17290G1R ERZV10V511CS	COMPONENT COMBINATION COMPONENT COMBINATION FM FRONT END COMPONENT COMBINATION REMOTE SENSOR	-1 1 1	[M] [M] [M] [M]
X103 Z101 Z102 Z120 <u>A</u> 2751	RLA2Z002M-T RL12Z006M-T ENV17290G1R ERZV10V511CS	COMPONENT COMBINATION COMPONENT COMBINATION FM FRONT END COMPONENT COMBINATION REMOTE SENSOR	-1 1 1	[M] [M] [M] [M]
X103 Z101 Z102 Z120 <u>A</u> 2751	RLA2Z002M-T RL12Z006M-T ENV17290G1R ERZV10V511CS	COMPONENT COMBINATION COMPONENT COMBINATION FM FRONT END COMPONENT COMBINATION REMOTE SENSOR	-1 1 1	[M] [M] [M] [M]
X103 Z101 Z102 Z120 <u>A</u> 2751	RLA2Z002M-T RL12Z006M-T ENV17290G1R ERZV10V511CS	COMPONENT COMBINATION COMPONENT COMBINATION FM FRONT END COMPONENT COMBINATION REMOTE SENSOR	-1 1 1	[M] [M] [M] [M]
X103 Z101 Z102 Z120 <u>A</u> 2751	RLA2Z002M-T RL12Z006M-T ENV17290G1R ERZV10V511CS	COMPONENT COMBINATION COMPONENT COMBINATION FM FRONT END COMPONENT COMBINATION REMOTE SENSOR	-1 1 1	[M] [M] [M] [M]
X103 Z101 Z102 Z120 <u>A</u> 2751	RLA2Z002M-T RL12Z006M-T ENV17290G1R ERZV10V511CS	COMPONENT COMBINATION COMPONENT COMBINATION FM FRONT END COMPONENT COMBINATION REMOTE SENSOR	-1 1 1	[M] [M] [M] [M]
X103 Z101 Z102 Z120 <u>A</u> 2751	RLA2Z002M-T RL12Z006M-T ENV17290G1R ERZV10V511CS	COMPONENT COMBINATION COMPONENT COMBINATION FM FRONT END COMPONENT COMBINATION REMOTE SENSOR	-1 1 1	[M] [M] [M] [M]
X103 Z101 Z102 Z120 <u>A</u> 2751	RLA2Z002M-T RL12Z006M-T ENV17290G1R ERZV10V511CS	COMPONENT COMBINATION COMPONENT COMBINATION FM FRONT END COMPONENT COMBINATION REMOTE SENSOR	-1 1 1	[M] [M] [M] [M]
X103 Z101 Z102 Z120 <u>A</u> 2751	RLA2Z002M-T RL12Z006M-T ENV17290G1R ERZV10V511CS	COMPONENT COMBINATION COMPONENT COMBINATION FM FRONT END COMPONENT COMBINATION REMOTE SENSOR	-1 1 1	[M] [M] [M] [M]
X103 Z101 Z102 Z120 A 2751	RLA2Z002M-T RL12Z006M-T ENV17290G1R ERZV10V511CS	COMPONENT COMBINATION COMPONENT COMBINATION FM FRONT END COMPONENT COMBINATION REMOTE SENSOR	-1 1 1	[M] [M] [M] [M]
X103 Z101 Z102 Z120 <u>A</u> 2751	RLA2Z002M-T RL12Z006M-T ENV17290G1R ERZV10V511CS	COMPONENT COMBINATION COMPONENT COMBINATION FM FRONT END COMPONENT COMBINATION REMOTE SENSOR	-1 1 1	[M] [M] [M] [M]
X103 Z101 Z102 Z120 <u>A</u> 2751	RLA2Z002M-T RL12Z006M-T ENV17290G1R ERZV10V511CS	COMPONENT COMBINATION COMPONENT COMBINATION FM FRONT END COMPONENT COMBINATION REMOTE SENSOR	-1 1 1	[M] [M] [M] [M]
X103 Z101 Z102 Z120 <u>A</u> 2751	RLA2Z002M-T RL12Z006M-T ENV17290G1R ERZV10V511CS	COMPONENT COMBINATION COMPONENT COMBINATION FM FRONT END COMPONENT COMBINATION REMOTE SENSOR	-1 1 1	[M] [M] [M] [M]
X103 Z101 Z102 Z120 <u>A</u> 2751	RLA2Z002M-T RL12Z006M-T ENV17290G1R ERZV10V511CS	COMPONENT COMBINATION COMPONENT COMBINATION FM FRONT END COMPONENT COMBINATION REMOTE SENSOR	-1 1 1	[M] [M] [M] [M]
X103 Z101 Z102 Z120 A 2751	RLA2Z002M-T RL12Z006M-T ENV17290G1R ERZV10V511CS	COMPONENT COMBINATION COMPONENT COMBINATION FM FRONT END COMPONENT COMBINATION REMOTE SENSOR	-1 1 1	[M] [M] [M] [M]
X103 Z101 Z102 Z120 A 2751	RLA2Z002M-T RL12Z006M-T ENV17290G1R ERZV10V511CS	COMPONENT COMBINATION COMPONENT COMBINATION FM FRONT END COMPONENT COMBINATION REMOTE SENSOR	-1 1 1	[M] [M] [M] [M]
X103 Z101 Z102 Z120 A 2751	RLA2Z002M-T RL12Z006M-T ENV17290G1R ERZV10V511CS	COMPONENT COMBINATION COMPONENT COMBINATION FM FRONT END COMPONENT COMBINATION REMOTE SENSOR	-1 1 1	[M] [M] [M] [M]
X103 Z101 Z102 Z120 <u>A</u> 2751	RLA2Z002M-T RL12Z006M-T ENV17290G1R ERZV10V511CS	COMPONENT COMBINATION COMPONENT COMBINATION FM FRONT END COMPONENT COMBINATION REMOTE SENSOR	-1 1 1	[M] [M] [M] [M]
X103 Z101 Z102 Z120 <u>A</u> 2751	RLA2Z002M-T RL12Z006M-T ENV17290G1R ERZV10V511CS	COMPONENT COMBINATION COMPONENT COMBINATION FM FRONT END COMPONENT COMBINATION REMOTE SENSOR	-1 1 1	[M] [M] [M] [M]

Packaging

