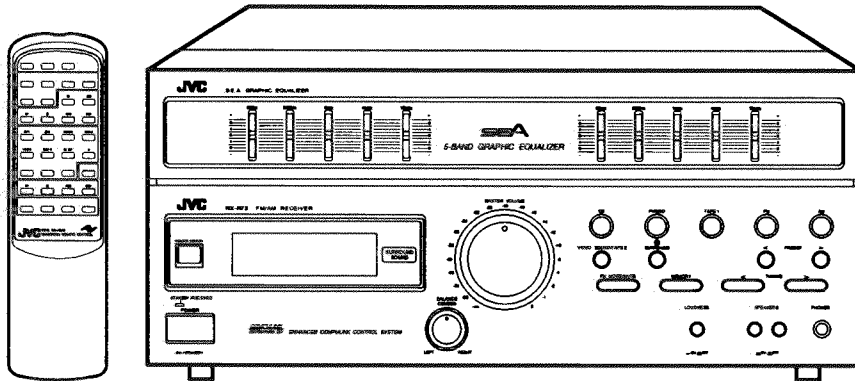


# JVC

## SERVICE MANUAL

### FM/AM RECEIVER

## RX-R73TN



#### Area Suffix

C ..... Canada  
J ..... the U.S.A.

**COMPU LINK**  
 /// Remote ///  
 Control Component

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## Safety Precautions

1. The design of this product contains special hardware and many circuits and components specially for safety purposes. For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits. Services should be performed by qualified personnel only.
2. Alterations of the design or circuitry of the product should not be made. Any design alterations of the product should not be made. Any design alterations or additions will void the manufacturer's warranty and will further relieve the manufacture of responsibility for personal injury or property damage resulting therefrom.
3. Many electrical and mechanical parts in the products have special safety-related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in the Parts List of Service Manual. Electrical components having such features are identified by shading on the schematics and by ( $\Delta$ ) on the Parts List in the Service Manual. The use of a substitute replacement which does not have the same safety characteristics as the recommended replacement parts shown in the Parts List of Service Manual may create shock, fire, or other hazards.
4. The leads in the products are routed and dressed with ties, clamps, tubings, barriers and the like to be separated from live parts, high temperature parts, moving parts and/or sharp edges for the prevention of electric shock and fire hazard. When service is required, the original lead routing and dress should be observed, and it should be confirmed that they have been returned to normal, after re-assembling.
5. Leakage current check (Electrical shock hazard testing)  
After re-assembling the product, always perform an isolation check on the exposed metal parts of the product (antenna terminals, knobs, metal cabinet, screw heads, headphone jack, control shafts, etc.) to be sure the product is safe to operate without danger of electrical shock.

Do not use a line isolation transformer during this check.

- Plug the AC line cord directly into the AC outlet. Using a "Leakage Current Tester", measure the leakage current from each exposed metal parts of the cabinet, particularly any exposed metal part having a return path to the chassis, to a known good earth ground. Any leakage current must not exceed 0.5mA AC (r.m.s.).

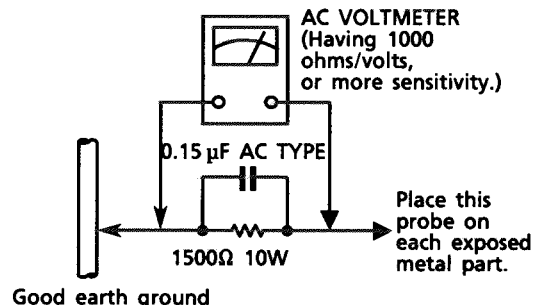
- Alternate check method

Plug the AC line cord directly into the AC outlet. Use an AC voltmeter having, 1,000 ohms per volt or more sensitivity in the following manner. Connect a 1,500 $\Omega$  10 W resistor paralleled by a 0.15  $\mu$ F AC-type capacitor between an exposed metal part and a known good earth ground.

Measure the AC voltage across the resistor with the AC voltmeter.

Move the resistor connection to each exposed metal part, particularly any exposed metal part having a return path to the chassis, and measure the AC voltage across the resistor.

Now, reverse the plug in the AC outlet and repeat each measurement. Any voltage measured must not exceed 0.75 V AC (r.m.s.). This corresponds to 0.5 mA AC (r.m.s.).



## Warning

1. This equipment has been designed and manufactured to meet international safety standards.
2. It is the legal responsibility of the repairer to ensure that these safety standards are maintained.
3. Repairs must be made in accordance with the relevant safety standards.
4. It is essential that safety critical components are replaced by approved parts.
5. If mains voltage selector is provided, check setting for local voltage.

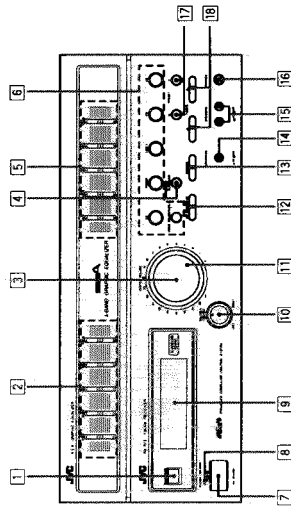
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**Part Names**

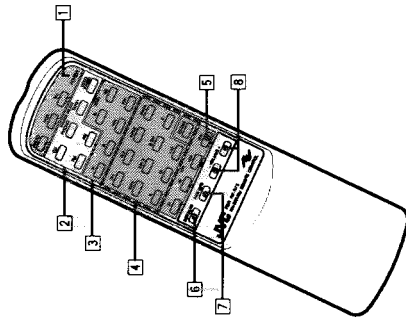
**Receiver**

Familiarize yourself with the main switches and controls on your JVC RX-R73TN receiver.



- |   |                                    |    |                         |
|---|------------------------------------|----|-------------------------|
| 1 | REMOTE SENSOR window               | 10 | BALANCE control         |
| 2 | Left channel S.E.A. control knobs  | 11 | MASTER VOLUME indicator |
| 3 | MASTER VOLUME control              | 12 | FM MODE/MUTE button     |
| 4 | SURROUND button and indicator      | 13 | MEMORY button           |
| 5 | Right channel S.E.A. control knobs | 14 | LOUDNESS button         |
| 6 | SOURCE SELECT buttons              | 15 | SPEAKERS buttons        |
| 7 | ON/STANDBY switch                  | 16 | PHONES jack             |
| 8 | STANDBY/RECEIVED indicator         | 17 | PRESET buttons          |
| 9 | Display window                     | 18 | TUNING buttons          |

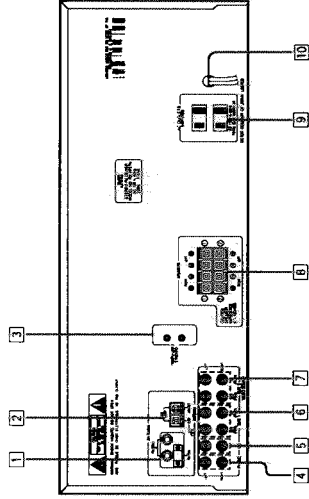
**Remote Control**



- 1 POWER switch
- 2 Turns on the Unit or puts it in standby mode
- 3 SOURCE SELECT buttons
- 4 TAPE 1 control buttons
  - Numeric button for only FM/AM
- 5 VCR control button
- 6 SURROUND button
- 7 FADE MUTE button
- 8 VOLUME adjuster

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8

**Rear Panel**



- 1 FM ANTENNA terminal
- 2 AM ANTENNA terminal
- 3 COMPU LINK-3 SYNCHRO jacks
- 4 PHONO input jacks
- 5 CD input jacks
- 6 TAPE-1 record and playback jacks
- 7 TAPE-2/VIDEO SOUND record and playback jacks
- 8 SPEAKERS terminals
- 9 AC OUTLETS(SWITCHED)
- 10 power switch is switched off.

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10

## Installation

This section explains how to connect the receiver to other stereo equipment and speakers, and how to connect the power supply.

### ⚠ Cautions

- ⚠ **CAUTION!** Before installing your receiver:
  - Make sure your hands are dry.
  - Turn the power off to all components.
  - Read the installation instructions for all components you are going to connect.
- ⚠ **CAUTION!**
  - Install the receiver in a location that is level and protected from moisture.
  - The temperature around the receiver must be between 23° and 104° F (-5° and 40° C).
  - Make sure there is good ventilation around the receiver. Poor ventilation could cause overheating and damage the receiver.

### ⚠ CAUTION!

- Do not handle the power cord with wet hands.
- Do not pull on the power cord to unplug the receiver. Always grab the plug directly so as not to damage the cord.

### ⚠ CAUTION!

- Do not insert any metal object into the receiver.
- Do not disassemble the receiver or remove screws, covers, or cabinet.
- Do not expose the receiver to rain or moisture.

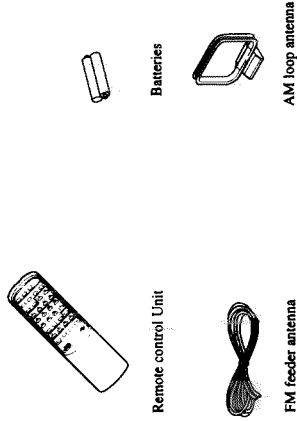
### Before Installation

### Positioning the Receiver

### Making Power Connections

### Handling the Receiver

### Confirming Supplied Accessories

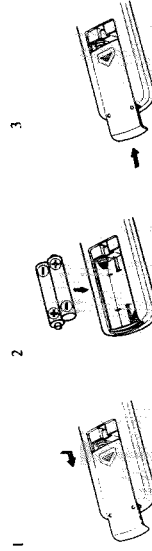


If anything is missing, contact your dealer immediately.

### Inserting Batteries into the Remote Control

The remote control requires two batteries (supplied). To insert batteries, follow these steps:

- Step 1** On the back side of the remote control, press down on the battery cover and slide it out.
- Step 2** Insert batteries. Make sure to observe the proper polarity: (+) to (+) and (-) to (-).
- Step 3** Slide the cover in.



### Replacing Batteries

If the range or effectiveness of the remote control decreases, replace the batteries. Use two (2) dry-cell batteries of the R6P (SUM-3)/AA (1.5F) type.

#### ⚠ CAUTION! Follow these precautions to avoid leaking or cracking cells:

- Place batteries in the remote control so they match the polarity indicated (+) to (+) and (-) to (-).
- Use the correct type of batteries. Batteries that look similar may differ in voltage.
- Always replace both batteries at the same time.
- Do not expose batteries to heat or flame.

**Connecting Stereo Components**

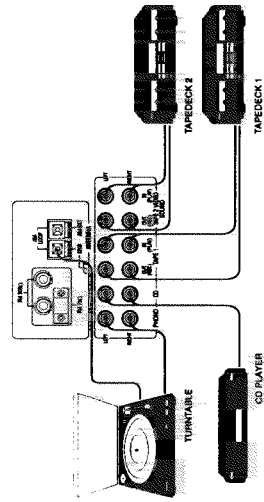
Before connecting the receiver, read the following paragraphs carefully.

**IMPORTANT!** The left channel of any audio component must be connected to the left-channel jack of the receiver, and the right channel to the right-channel jack. If they are reversed, the stereophonic image will not be correct.

**NOTE:** To ensure correct connections, insert the red plug into the right channel.

Connect stereo component to the amplifier using cables with RCA PIN plugs. Connect the output jacks on a tape deck to the jacks marked IN (PLAY) on the amplifier, and the input jacks to those marked OUT (REC).

**NOTE:** Any turntables incorporating a small-output cartridge such as an MC (moving-coil type) must be connected to this amplifier through a commercial head amplifier or step-up transformer. Direct connection may result in insufficient volume.



**NOTE:** If a ground cable is fitted to your turntable, connect the ground cable to the AM LOOP terminal marked GND. In this case, do not disconnect the AM LOOP wire from the GND terminal.

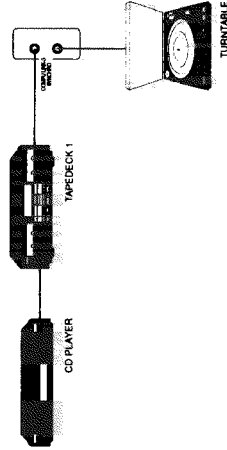
**COMPU LINK-3 Connections**

COMPU LINK-3 SYNCHRO jacks on the back of the receiver connect the COMPU LINK remote control system. This system connects other JVC audio components with the receiver to make listening and recording more convenient. To use this system, attach the cables provided with your JVC components to the COMPU LINK-3 SYNCHRO jacks on the rear panel of each component. Then connect the cables to the receiver.

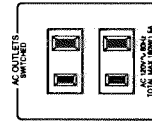
**NOTES:**

- COMPU LINK-3 is an upgraded version of COMPU LINK-1. If your equipment provides COMPU LINK-1 jacks, you can still connect your equipment, but slight imperfections may result. Automatic Power ON/OFF, for example, may not always function properly.
- Refer to page 22 for details about the COMPU LINK remote control system.

⚠ **CAUTION!** Do not connect Tape Deck 2 to the COMPU LINK jacks. It may cause the COMPU LINK system to malfunction.



**Other Audio Connections**



Use the sockets on the back of the receiver to connect the power supply of any audio components. By pressing the POWER switch on the remote control, you can turn the receiver, and all connected components, on or off at the same time.

In the United States, AC outlets have a capacity of 180 watts.

⚠ **CAUTION!** Do not connect any components that consume more power than the capacity of the AC outlets. This capacity is indicated below the socket on the back of the receiver.

**Connecting Speakers**

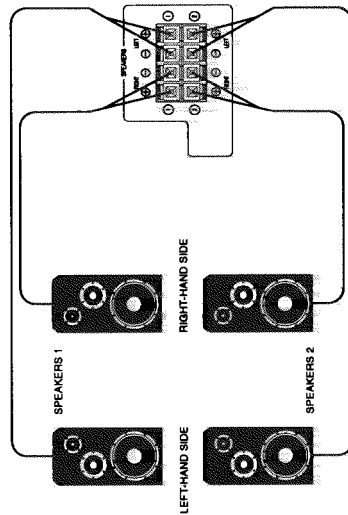
Up to four speakers (two sets) can be connected to the receiver. Connecting four speakers will allow you to use the built-in Surround feature.

Connect speakers to the SPEAKERS terminals on the back of the receiver. Use the wire supplied with the speakers.

To connect each speaker, follow these steps:

- Step 1** Open each terminal on the back of the receiver and insert the end of the speaker wire, as shown.
- Step 2** Close the terminals to clamp the speaker wires in place, as shown.

⚠ **CAUTION!** Use speakers with an impedance of 8-16 ohms.



**IMPORTANT!** Match the polarity of the speaker terminals with the polarity of the terminals on the RX-R73TN (+) to (+) and (-) to (-).

**Connecting an AM Antenna**

One AM loop antenna is supplied with your receiver.

To connect the AM loop antenna to the AM LOOP terminals, follow these steps:

- Step 1** Open each terminal and insert one of the two ends of the AM antenna wire.
- Step 2** Close the terminals to clamp the antenna wires in place.
- Step 3** Stand the AM loop antenna on its own base, as shown. Set it on any flat surface.



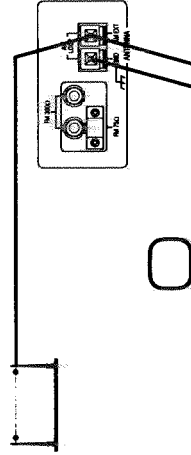
**AM Outdoor Antenna**

If your AM broadcast reception is unsatisfactory, you should connect an AM outdoor antenna in addition to the loop antenna. The antenna wire should be 16 to 40 feet (5 to 13 meters) long.

Connect one end of the outdoor single vinyl-covered antenna wire to the AM LOOP terminal marked AM EXT.

**IMPORTANT!** The AM loop antenna must be installed to receive AM broadcasts. Do not disconnect the loop antenna when installing an outdoor antenna.

**IMPORTANT!** Except for the connection, make sure no uninsulated antenna wire touches the rear panel of the receiver. Otherwise, the receiver might not pick up AM broadcasts.



**Before Starting**

A temporary FM antenna and cable is supplied with your receiver. If reception with this antenna is not satisfactory, you may consider purchasing a 300-ohm feeder-cable antenna or a 75-ohm coaxial-cable antenna.

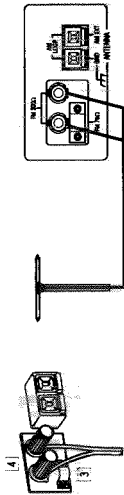
**Connecting an FM Antenna**

**⚠ CAUTION!** Before connecting the new FM antenna, disconnect any other FM antenna.

**Connecting the Temporary FM Antenna**

To connect the supplied antenna, follow these steps:

- Step 1 Loosen the cap on the 300/75-ohm terminal on the back of the receiver.
- Step 2 Loosen the cap on the 300-ohm terminal on the back of the receiver.
- Step 3 Connect the antenna by inserting one wire behind each cap.
- Step 4 Tighten the caps on both terminals.



**Connecting a 300-Ohm FM Antenna**

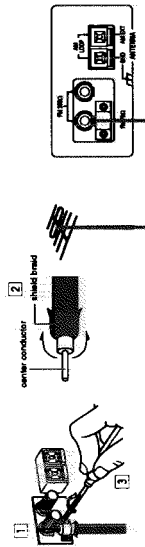
To connect a 300-ohm feeder-cable antenna, use the same steps as for the temporary FM antenna.

**Connecting a 75-Ohm FM Antenna**

To connect a 75-ohm coaxial-cable antenna, follow these steps.

- Step 1 Unscrew the cap and bracket screw on the 300/75-ohm terminal. Insert the round antenna cable from below.
- Step 2 Make sure the shield braid on the cable contacts the bracket, and the center conductor of the cable contacts the 300/75-ohm terminal.
- Step 3 Tighten the bracket screws and the cap on the 300/75-ohm terminal.

**IMPORTANT!** Make sure the antenna conductors do not touch any other terminals on the receiver. This could cause poor reception.



**Connecting the Power**

After checking all connections, insert the power cord plug into an outlet.

When the power supply is connected correctly, the POWER STANDBY indicator lights on the front of the receiver. A small amount of power (3 watts) is consumed under these conditions, even if the receiver is turned off. To shut off the power completely, unplug the power cord from the outlet.

**Connecting the Power Supply**

**⚠ CAUTION!**

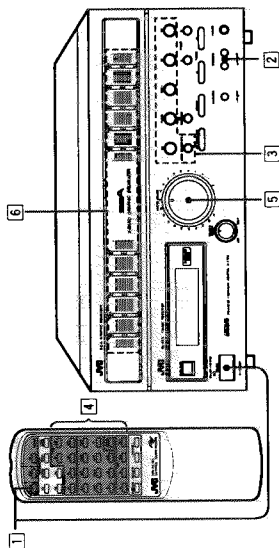
- Do not handle the power cord with wet hands.
- Do not pull on the power cord to unplug the receiver. Always grasp the plug directly so as not to damage the cord.
- Do not plug the power cord into a socket until all components are connected correctly.

**IMPORTANT!** If the power cord is disconnected or a power failure occurs, the receiver settings in memory are retained for 2 or 3 days.



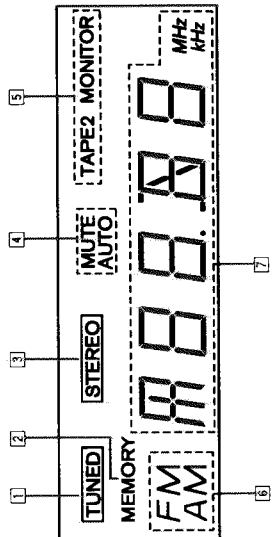
**Operation Outline**

**Basic Operation Reference**



- 1 Turn on the power  
Push the POWER switch to turn on the receiver. The display lights and the POWER STANDBY indicator goes off.
- 2 Select speakers (page 19)  
Use the SPEAKERS switch to choose between the two sets of speakers. To use your headphones, insert the headphone plug into the PHONES jack on the receiver.
- 3 Choose an audio source (page 16)  
To choose an audio source, press one of the SOURCE SELECT buttons on the receiver or select one of the components on the remote control.
- 4 Operate the audio source (pages 22-24)  
Refer to the manual provided with each component. If your JVC components are connected to the COMPU LINK jack of the receiver, you can operate them using the remote control.
- 5 Adjust volume (page 19)  
Rotate the MASTER VOLUME control on the receiver or press the VOLUME button on the remote control to adjust volume.
- 6 Sound Effect Controls (pages 20-21)  
Adjust the S.E.A. graphic equalizer knobs in order to compensate for the acoustic response of a room and any listening position in it. See page 21 for other ways to compensate the sound.

**Display window**



- 1 TUNED indicator: Appears when a radio station correctly tuned.
  - 2 MEMORY indicator: You can preset the radio station while MEMORY appears.
  - 3 STEREO indicator: Appears when stereo broadcast is received in FM mode.
  - 4 MUTE/AUTO indicator: Appears when you press FM MODE/MUTE button.
  - 5 TAPE2 MONITOR indicator: Appears when you press VIDEO SOUND/TAPE 2 button.
  - 6 FM/AM indicator: Indicates the radio band.
  - 7 Input mode: Indicates the selecting audio source when you press CD, PHONO or TAPE 1 button.
- Radio frequency: Indicates radio frequency by pressing FM or AM button.  
Preset channel number: Indicates the preset channel number when MEMORY appears on the display.

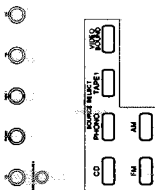
## Selecting the Audio Source

The receiver can receive input from compact discs, cassette tapes, turntables, or any audio source that you connect. You can select a source for either listening or recording.

### Listening

Press one of the SOURCE buttons on the receiver or the remote control.

- CD\* Listen to the CD player.
- PHONO\* Listen to a record.
- TAPE 1\* Listen to the tape deck connected to the TAPE 1 jacks.
- VIDEO SOUND/ Listen to the tape deck or video sound connected to the TAPE 2 jacks.
- TAPE 2 Listen to an FM broadcast.
- FM\* Listen to an FM broadcast.
- AM\* Listen to an AM broadcast.



**IMPORTANT!** The VIDEO SOUND/TAPE 2 button has a different function from other source selector buttons, because it allows you to monitor the quality of the recording. For more details, see Monitoring below.

**NOTE:** On the remote, when you press one of the SOURCE buttons marked above with an asterisk, the receiver automatically turns ON (even if it was OFF before).

### Recording

The source being played is automatically selected as the source to be recorded. While recording, you can listen to the selected source at any desired volume and S.E.A. settings.

**NOTE:** Volume and S.E.A. adjustments and the surround sound effect do not affect recording.

**IMPORTANT!** When recording from TAPE 2 to TAPE 1, press the VIDEO SOUND/TAPE 2 button and another button other than TAPE 1.

### Monitoring

Using the Monitor feature, you can compare the sound quality of the source to the sound quality of the recording being made.

To use the Monitor feature while recording onto a cassette deck connected to the TAPE 2 jacks, follow these steps:

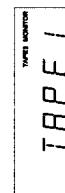
**Step 1** Press the VIDEO SOUND/TAPE 2 button.

The "TAPE 2 MONITOR" light appears and you can listen to the sound of the cassette deck connected to the TAPE 2 jacks. You are now hearing the quality of the recording, not the quality of the source.

**Step 2** Press the VIDEO SOUND/TAPE 2 button again.

This turns off the "TAPE 2 MONITOR" light, and the speakers play the previously selected source.

**NOTE:** If the cassette deck has three heads, you can hear the sound of the recording at the same time as it records on the tape.



## Receiving an AM/FM Broadcast

To receive an AM/FM broadcast, select either AM or FM using the AM button or FM button. Then tune to the precise frequency using the TUNING buttons.

### Tuning

Tune to the frequency of a desired station using the TUNING buttons. Pressing the right button increases the frequency, and pressing the left button decreases the frequency. Tapping the TUNING button once changes the frequency in steps of 10 kHz for AM and 0.1 MHz for FM.

There are two tuning modes: Manual and Automatic.

If you know the frequency of a desired station, hold down the TUNING button to start the frequency changing quickly. Release the TUNING button near the desired station and tap it repeatedly until you arrive at the correct frequency.

If you want to scan frequencies for a desired station, hold down the TUNING button to start the frequency changing quickly. When you release the TUNING button, the frequency continues to change until it reaches a station.

When a station is correctly tuned, the "TUNED" light appears on the display window.

Once a tuned frequency is preset, it can be directly recalled using the TUNER buttons. For details, see page 18.

**NOTE:** When you use automatic tuning, weak stations are ignored. To pick up weak stations, use manual tuning.

**IMPORTANT!** If the receiver is tuned to a station but the "TUNED" light does not appear, try rotating the antenna for better reception.

### Selecting an FM Reception Mode

Pressing the FM MODE/MUTE switch switches between these modes:

The "MUTE-AUTO" light appears on the display window. You hear either stereo sound or monaural sound, depending on the broadcast. If it is a stereo broadcast, the "STEREO" light appears. This mode is also useful for suppressing static "noise" between stations.

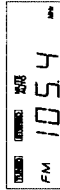
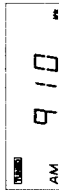
The "MUTE-AUTO" light disappears. You hear monaural sound even if a broadcast is in stereo. This mode is also useful when a stereo broadcast is noisy because of a weak signal.

**NOTE:** Using the Automatic Tuning mode, the sound of a broadcast with a weak signal may be muted. In this case, select the monaural mode.



### Manual Tuning

### Automatic Tuning



### Presetting Tuned Frequencies

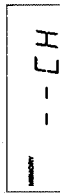
You can preset up to total 40 FM/AM radio stations by assigning channel numbers (1 through 40) to them. Once a station is preset, you can listen to it by entering the preset number using the PRESET buttons on the receiver, or the numeric buttons of the remote.

To use presetting to assign channel numbers to your favorite stations, follow these steps:

**Step 1** Tune to a station. If necessary, follow the procedure on page 17.

**Step 2** Press the MEMORY button.

The "MEMORY" light appears in the display window.



**Step 3** Using the PRESET buttons, enter a number (1 through 40). This number is the channel number you are assigning to the station.

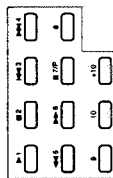
**IMPORTANT!** You must enter the channel number while the "MEMORY" light is on. You have about 5 seconds to do this. If the light disappears before you enter the channel number, press the MEMORY button again.

**Step 4** While the preset channel number is flickering, press the memory button again. When the MEMORY light disappears and the channel number is displayed, presetting is completed.

To choose numbers from 1 through 40, press the +10 key and numeric button on the remote.

- To choose 17 Press +10, then 7.
- To choose 20 Press +10, then 10.
- To choose 25 Press +10 twice, then 5.
- To choose 40 Press +10 three times, then 10.

**NOTE:** You can also tune using the remote control. First press the AM or FM button on the remote, then enter the channel number using the numeric buttons on the remote.



## Adjusting the Volume

### Adjusting the Volume

Use the MASTER VOLUME control to adjust the volume from the left and right speakers. Rotating the dial to the right increases the volume. The volume from the speakers and the headphones increases simultaneously.

**NOTE:** Volume can also be adjusted using the remote control. Press the VOLUME button marked + to increase the volume, or the VOLUME button marked - to decrease the volume.

**CAUTION:** Listening to extremely loud sound may damage your hearing. Be especially careful when using headphones.

Press the FADE MUTE button on the remote control to decrease the volume easily when you receive a phone call or a visitor.

**IMPORTANT!** If you are listening at very high volume, you may need to press FADE MUTE a second or third time to reduce volume completely.

Pushing in SPEAKER button 1 or 2 activates that pair of speakers. Pressing either button again deactivates that pair of speakers. When the button is in, that pair is activated. You can listen to both pairs, pair 1, pair 2, or neither pair.

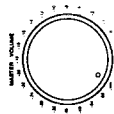
**IMPORTANT!** If only one set of speakers is connected, pressing "in" both speaker buttons will produce no sound.

Insert the headphone plug into the PHONES jack. To limit sound to the headphones (no sound from the speakers), press SPEAKER buttons 1 and 2 to deactivate all speakers.

**CAUTION:** To avoid hearing damage, turn the volume down before plugging in the headphones, then gradually increase the volume.

Use the BALANCE control to adjust the balance between the left and right channels. Rotating the dial to the right decreases the left-channel volume, and rotating it to the left decreases the right-channel volume. The BALANCE control affects both sets of speakers and the headphones.

### Using the MASTER VOLUME Control



### Muting the Sound



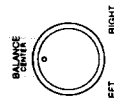
### Selecting the Speakers



### Listening to Headphones



### Adjusting the Left-Right Balance



## Sound Effect Controls

Use the S.E.A. graphic equalizer to correct the frequency of the reproduced sound, matching the acoustic characteristics of a listening room.

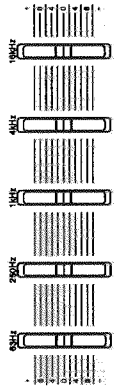
Also using the surround and loudness functions reproduces live and powerful sound.

### Adjusting the S.E.A. Graphic Equalizer

The frequency response of the listening area varies depending on the room's shape or furnishings, and the position of the listener in the room.

The S.E.A. (Sound Effect Amplifier) system can function to make the sound response of the room flat by emphasizing and de-emphasizing frequencies having high degree of absorptions and reflections.

The RX-R73TN's built-in graphic equalizer divides the audio spectrum from 63 Hz to 16 kHz into 5 frequency bands having their center frequencies at intervals of 2 octave starting from 1 kHz in both directions.



When the knob is set to '0' (center position), frequency response is flat. The response can be varied by  $\pm 10$  dB by raising or lowering the knob.

- **63 Hz** : Raise to emphasize the very low bass response of organs, drums, and contrabass. It produces stable and solid sound by raising the knob and eliminates the unclear sound response of low frequencies by lowering the knob.
- **250 Hz** : Lower this knob to attenuate the echo in a live room such as a Western-style room and to eliminate unclear sound in a small listening room.
- **1 kHz** : Most effective in emphasizing or de-emphasizing the human voice. Raise the knob to cause the vocalist to be brought to the foreground, or lower it to recede into the background.
- **4 kHz** : Slightly emphasizing this frequency range clears the tightness of strings, and provides a brilliant feeling.  
Lowering this knob will cause a very easy-to-hear and tireless sound.
- **16 kHz** : Boosting this frequency range properly adds to the delicacy of heights, with cymbals and triangles resounding in a more ear-pleasing manner, and provides a feeling of extension.

### Compensation for room acoustics

### Enjoying the Surround Sound Effect

Press the SURROUND button to create this movie-theater effect. The SURROUND indicator lights. Press the SURROUND button again to deactivate the surround feature. The SURROUND indicator turns off.



**IMPORTANT!** The Surround feature has no effect on monaural (non-stereo) sources.  
*NOTE: Two set of speakers are recommended to produce an ideal surround effect, but you can use the feature with only one set of speakers connected.*

### Listening at Low Volume (Loudness)

Human ears are not sensitive to bass at low volume. To compensate for this, the loudness function automatically boosts the bass level as you lower the volume.

To use the loudness function, press the LOUDNESS button.

To turn the function off, press the LOUDNESS button again.



## Operating Audio Components



### COMPU LINK Remote Control System

The COMPU LINK remote control system lets you operate the receiver and JVC components from the remote supplied with this receiver. Control signals for JVC audio components are preset in the receiver's remote control.

Connecting the COMPU LINK-3 SYNCHRO jacks on the back of the receiver will allow you to use the four functions below.

You can control all components via the REMOTE SENSOR on the receiver using the receiver's remote control. For details, see page 23.

**IMPORTANT!** Point the remote control directly at the REMOTE SENSOR on the receiver.

### Remote Control

### Automatic Source Selection

When you press play on a component or the remote, the component begins playing immediately. On the other hand, if you select a new source on the receiver or the remote, the component begins playing immediately, but the previously selected source continues playing without sound for a few seconds.

### Synchronized Recording

Synchronized recording means the tape deck starts recording as soon as a CD or record begins playing.

To use synchronized recording, follow these steps:

- Step 1** Put a tape in the deck, and a disc in the CD player or on the turntable.
- Step 2** Press the REC and PAUSE button on the tape deck at the same time. This puts the tape deck in the REC/PAUSE state.

**IMPORTANT!** If you do not press the REC button and PAUSE button together, the synchronized recording feature will not operate.

- Step 3** Press the PLAY button on the CD player or turntable.

As soon as the disc starts playing, the tape deck starts recording. When the disc ends, the tape deck switches back to the REC/PAUSE mode, and stops 4 seconds later.

### NOTES:

- During synchronized recording, the CD or PHONO button is activated. Other SOURCE buttons are disabled to prevent recording failure.
- If your CD player is operated in the PROGRAM mode, a 4-second mute is recorded between tracks to enable the music scan feature of your tape deck to work.
- If the power of any component is shut off during synchronized recording, the system will not operate properly. In this case, you must start again with step 1.

### Automatic Power ON/Off

The CD player and cassette deck are turned on and off along with the receiver. When you turn on the receiver (using either the remote or the receiver's POWER switch), the CD player or cassette deck will turn on automatically, depending which component was previously selected.

**NOTE:** This function has been added to COMPU LINK-3 (Enhanced COMPU LINK), an upgraded version of COMPU LINK-1. Refer to your JVC component manual for details.

### Using the Remote Control

By connecting the COMPU LINK jack to this receiver, you can operate the audio stereo component with this receiver's remote control. In addition, if your VCR is a JVC product, you can operate it with this receiver's remote control.

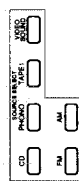
**NOTE:** The VCR does not work with the COMPU LINK remote control system. When you operate the VCR, you must aim the remote control at the VCR instead of the receiver.

Select a source with the SOURCE SELECT buttons on the remote control. Operate that source using the buttons below the SOURCE SELECT buttons.

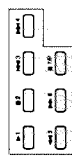
**IMPORTANT!** If you choose a source on the receiver directly, the remote control will not operate that source. To operate a source with the remote control, the source must be selected using the remote control.

**IMPORTANT!** When you select CD, TAPE 1, FM, AM or PHONO on the remote control, the component will turn on and start playing automatically.

### Operating the Component Already Selected



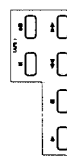
### CD Player



After pressing the CD button, you can perform the following operations on the remote:

- ▶ Starts playing
- ◀◀ Skips to the beginning of the previous track
- ▶▶ Skips to the beginning of the next track
- ⏏ Stops playing
- ⏏ Stops playing temporarily. To release it, press ▶
- ◀◀ Moves backward quickly during play
- ▶▶ Moves forward quickly during play

### Cassette Deck

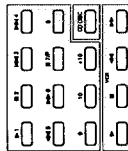


After pressing or not pressing the TAPE 1 button, you can perform the following operations on the remote:

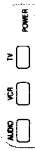
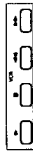
- ▶ Starts playback
- ⏏ Stops operation
- ⏏ Stops playback or recording temporarily. To release it, press ▶
- ◀◀ Fast wind the tape from right to left
- ▶▶ Fast wind the tape from left to right
- ⏏ Enter record-standby mode

## Troubleshooting

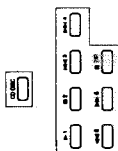
### Operating the Component Not Currently Selected



### VCR



### CD Player-Changer



When you want to operate one component while listening to another component (e.g., recording from a CD), use the buttons in the CONTROL section of the remote control. The CONTROL buttons allow you to use the operation buttons for the new component without affecting the component already playing.

- ▶ Starts playback
- Stops operation
- ◀ Rewinds video tape
- ▶▶ Fast winds video tape

**NOTE:** You can also turn the VCR and TV on and off by pressing the VCR or TV button in the POWER section of the remote control.

**IMPORTANT!** Aim the remote control at the VCR or TV, not at the receiver.

After pressing the CD/DISC button in the CONTROL section of the remote, you can perform the following operations on the remote:

- 1-4, P Select the number of the disk installed in the CD player-changer. Then continue to operate the CD player as shown on page 23.

Use this chart to help you solve everyday operational problems. If there is any problem you cannot solve, contact your JVC service center.

PROBLEM	POSSIBLE CAUSE	SOLUTION
Display window does not light up	Power cord not plugged in	Plug power cord into AC socket
No sound from speakers	Speaker wires not connected	Check speaker wiring and reconnect if necessary
	SPEAKERS buttons not set correctly	Push the SPEAKERS buttons in or out as desired
	Incorrect SOURCE button was pressed	Select the correct audio source
Sound from one speaker only	Speaker wires not connected properly	Check speaker wiring and reconnect if necessary
	Balance control is set to one extreme	Adjust BALANCE control so that both speakers have sound
Continuous hiss or buzzing during FM reception	Incoming signal is too weak	Adjust antenna
	Station is too far away	Select a new station
	Incorrect antenna used	Check with your dealer to be sure you have the correct antenna
	Antenna not connected properly	Check connections
Occasional crackling noise during FM reception	Ignition noise from automobiles	Move the antenna farther from automobile traffic
Howling during record playing	Turntable too close to speaker	Move speakers away from turntable
Remote control does not work	There is an obstruction in front of the REMOTE SENSOR on the receiver	Remove the obstruction
	Batteries are weak	Replace batteries

## Specifications

### Amplifier

**Output Power**  
110 watts per channel, min. RMS, both channels driven into 8 ohms from 40 Hz to 20 kHz, with no more than 0.9% total harmonic distortion.

0.08%\* at 90 watts output

**Frequency Response** (8 ohms)  
PHONO  
CD / TAPE 1 / TAPE 2  
20 Hz to 20 kHz ( $\pm 1$  dB)  
20 Hz to 20 kHz ( $\pm 1$  dB)

**Signal-to-Noise Ratio** (66 IHF / 78 IHF)  
PHONO  
CD / TAPE 1 / TAPE 2  
70 dB / 78 dB (REC OUT)  
91 dB / 80 dB

$\pm 1$  dB (20 Hz to 20 kHz)

**RIAA Phono Equalization**  
**Input Sensitivity / Impedance** (1 kHz)  
PHONO  
CD / TAPE 1 / TAPE 2  
2.7 mV / 47 k ohms  
200 mV / 47 k ohms

200 mV

**Speaker Terminals**  
speakers  
8 - 16 ohms

**Loudness Control**  
+6 dB (at 100 Hz)  
(Volume control at -30 dB)

### FM Tuner (IHF)

**Tuning Range**  
87.5 MHz to 108.0 MHz

10.8 dBf (0.95  $\mu$ V / 75 ohms)

**50 dB Quieting Sensitivity**  
Monaural  
Stereo  
16.3 dBf (1.8  $\mu$ V / 75 ohms)  
38.3 dBf (22.5  $\mu$ V / 75 ohms)

**Signal-to-Noise Ratio** (IHF-A weighted)  
Monaural  
Stereo  
80 dB at 85 dBf  
73 dB at 85 dBf

**Total Harmonic Distortion**  
Monaural  
Stereo  
0.15 % at 1 kHz  
0.2 % at 1 kHz

**Stereo Separation at REC OUT**  
40 dB at 1 kHz

**Capture Ratio**  
1.5 dB (10 mV / 300 ohms)  
**Alternate Channel Selectivity**  
60 dB: ( $\pm 400$  kHz)  
**Frequency Response**  
30 Hz to 15 kHz: (+0.5 dB, -3 dB)

### AM Tuner

**Tuning Range**  
530 kHz to 1,710 kHz

**Usable Sensitivity**  
Loop antenna  
External antenna  
300 $\mu$ V/m at 1,000 kHz  
30 $\mu$ V at 1,000 kHz

**Signal-to-Noise Ratio**  
50 dB (100mV / m, at 1,000 kHz)

### S.E.A. Graphic Equalizer

**Center frequencies**  
Control range  
63 Hz, 250 Hz, 1 kHz, 4 kHz, 16 kHz  
+10 dB $\pm$ 2 dB, -10 dB $\pm$ 2 dB

### General

**Power Requirements**  
AC, 120V  $\sim$ , 60 Hz  
**Power Consumption**  
220 watts, 310 VA (at operation)  
3 watts (at standby mode)

**Dimensions (W x H x D)**  
17- $\frac{7}{16}$  x 7- $\frac{7}{16}$  x 13- $\frac{3}{4}$  inches  
435 x 187.8 x 348.5 mm

**Mass**  
19.9 lbs (9 kg)

\*Measured by JVC Audio Analysis System.

**Supplied Accessories**  
Remote control unit (RM-SRR73U)..... 1  
Batteries R6P (SUM-3)/AA (15F)..... 2  
FM feeder antenna..... 1  
AM loop antenna..... 1

Designs and specifications subject to change without notice.



QUALITY SERVICE

HOW TO LOCATE YOUR JVC SERVICE CENTER

TOLL FREE : 1-800-537-5722

Dear customer: In order to receive the most satisfaction from your purchase, read the instruction booklet before operating the unit. In the event that repair is necessary, or for the address nearest your location, please refer to the factory service center or the Continental United States. Call 1-800-537-5722 for your authorized service. Remember to retain your Bill of Sale for Warranty Service.

-JVC

JVC SERVICE & ENGINEERING COMPANY OF AMERICA DIVISION OF US JVC CORP.

FACTORY SERVICE CENTER LOCATIONS

107 Little Falls Road  
Fairfield, NJ 07004-2105  
(201) 808-9279

1500 Lakes Parkway  
Lawrenceville, GA 30243-5357  
(404) 339-2522

705 Enterprise Street  
Aurora, IL 60504-8149  
(708) 951-7855

5665 Corporate Avenue  
Cypress, CA 90630-0024  
(714) 229-8011

2969 Mapunabuna Place  
Honolulu, HI 96819-2040  
(808) 833-5828

10700 Hammerly, Suite 110  
Houston TX, 77043  
(713)935-9331

230 Eliot Street  
Ashland, MA 0172-2377  
(508) 881-5923

14505 Commerce Way  
Miami Lakes, FL 33016-1512  
(305) 362-8252

890 Dubuque Avenue  
South San Francisco, CA 94080-1804  
(415) 871-2666

Sophisticated electronic products may require occasional service. Just as quality is a keyword in the engineering and production of the wide array of JVC products, service is the key to maintaining the high level of performance for which JVC is world famous. The JVC service and engineering organization stands behind our products.

NATIONAL HEADQUARTERS  
JVC SERVICE & ENGINEERING COMPANY OF AMERICA  
DIVISION OF US JVC CORP.  
107 Little Falls Road  
Fairfield, NJ 07004-2105

If you ship the product ...

Pack your JVC unit in the original carton or one of equivalent size and strength. Enclose, with the unit, a letter stating the problem or symptom that exists and also a copy of the receipt or bill of sale you received when you purchased your JVC unit. If you have a new unit, please include the address on the outside of the shipping container. Send to the appropriate JVC Factory Service Center as listed above.

Don't service it yourself.

CAUTION

To prevent electrical shock, do not open the cabinet. No user serviceable parts inside. Refer servicing to qualified service personnel.

ACCESSORIES

To purchase accessories for your JVC product, you may contact your local JVC Dealer. Or from the 48 Continental United States call toll free : 800-882-2345



## Description of Major LSIs

### ■ MN171202YY (IC401) : SYSTEM CONTROLLER

#### 1. Terminal Layout

VDD	1	64
KI0	2	63
KI1	3	62
KI2	4	61
KI3	5	60
KO0	6	59
KO1	7	58
	8	57
KO3	9	56
KO4	10	55
	11	54
KO6	12	53
D1	13	52
D2	14	51
D3	15	50
D4	16	49
D5	17	48
VPP	18	47
S1	19	46
S2	20	45
S3	21	44
S4	22	43
S5	23	42
S6	24	41
S7	25	40
S8	26	39
S9	27	38
S10	28	37
S11	29	36
S12	30	35
VOL.IND	31	34
	32	33

#### 2. Key Matrix

	KEY IN 0	KEY IN 1	KEY IN2	KEY IN3
KEY OUT 0	TAPE 1 (S417)	TAPE 2 MONITOR (S407)	TUNE UP (S416)	TUNE DOWN (S414)
KEY OUT 1	MEMORY (S405)	SURROUND (S406)	—	—
KEY OUT3	CD (S403)	PHONO (S404)	FM (S411)	AM (S412)
KEY OUT4	FM MODE (S402)	—	—	—
KEY OUT6	POWER (S401)	—	PRESET UP (S415)	PRESET DOWN (S413)

#### 3. Description

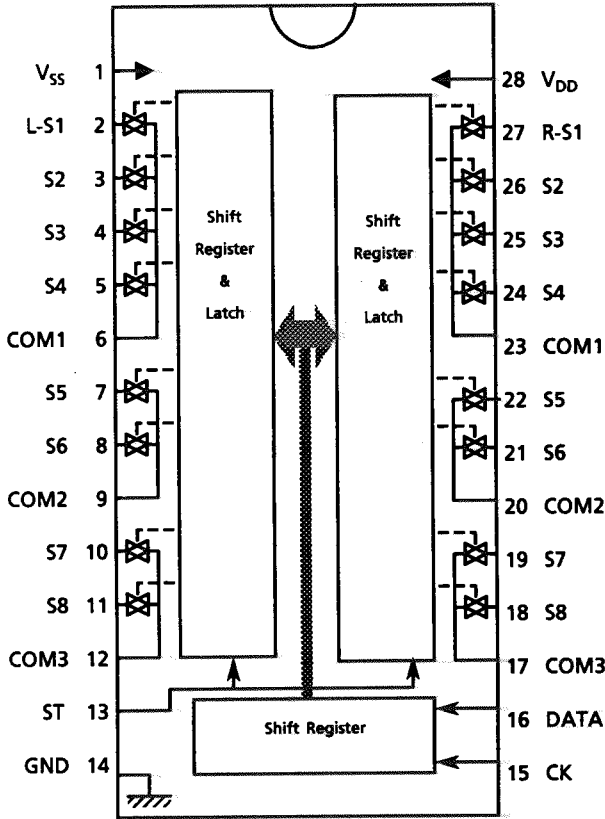
Pin No.	Symbol	I/O	Description	Pin NO.	Symbol	I/O	Description
1	VDD	--	Power supply	33	SURR. IND	O	SURROUND indicator signal output
2	KI0	I	Key matrix input	34		--	GND
3	KI1	I	Key matrix input	35		--	GND
4	KI2	I	Key matrix input	36	CLK	O	Clock output
5	KI3	I	Key matrix input	37	STB	O	Strobe signal output
6	KO0	O	Key matrix output	38	DATA	O	Data output
7	KO1	O	Key matrix output	39	CE	O	Chip enable signal output
8		--	Not used	40	CK	O	System clock output
9	KO3	O	Key matrix output	41	DI	I	Data input
10	KO4	O	Key matrix output	42	DO	O	Data output
11		--	Not used	43	RESET	I	Reset signal input
12	KO6	O	Key matrix output	44	REM	I	Signal input from REMOTE SENSOR
13	D1	O	FL grid control	45	INH	I	Inhibit signal input
14	D2	O	FL grid control	46	STEREO	I	STEREO signal input
15	D3	O	FL grid control	47	TUNED	I	TUNED signal input
16	D4	O	FL grid control	48	C.LINK IN	I	Compulink signal input
17	D5	O	FL grid control	49	C.LINK OUT	O	Compulink signal output
18	VPP	--	Power supply (–B)	50	VOL. DOWN	O	Volume down control signal output
19	S1	O	FL segment control	51	VOL. UP	O	Volume up control signal output
20	S2	O	FL segment control	52	TEST	--	TEST point
21	S3	O	FL segment control	53	LW 9K/10K	I	Select 9K/10K
22	S4	O	FL segment control	54	BAND 1	I	Chip select
23	S5	O	FL segment control	55	BAND 2	I	Chip select
24	S6	O	FL segment control	56	SURR.	O	SURROUND ON signal output
25	S7	O	FL segment control	57	AC	O	This signal turns the primary relay on
26	S8	O	FL segment control	58	S. MUTE	O	Muting signal when changing the source
27	S9	O	FL segment control	59	T. MUTE	O	Tuner mute signal
28	S10	O	FL segment control	60		--	GND
29	S11	O	FL segment control	61		--	Not used
30	S12	O	FL segment control	62	GND	--	GND
31	VOL. IND	O	Volume indicator signal output	63		--	Oscillation terminal
32	SEB. IND	O	STANDBY indicator signal output	64		--	Oscillation terminal

■ TC9164N (IC321) : Analog Switch

1. Functions

These analog switches are controlled by 14 bit serial data from computer for selecting the source.

2. Terminal Layout & Block diagram



3. First 10bits are used to source select. Last 4 bits are chip select. The switches (S1~S8) are connected to common terminals (COM1~COM3) according to the DATA from computer.

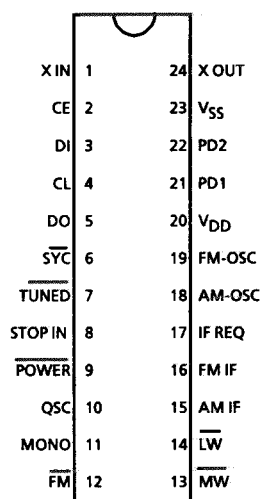
	Switch Select bit								CH1 CH2 (L-S1~S8)(R-S1~S8)		Chip Select bit					
	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14		
TC9164N	The switch is ON when the data is "1".								0	1	0	0				

## ■ LC7218 (IC102) : PLL Synthesizer

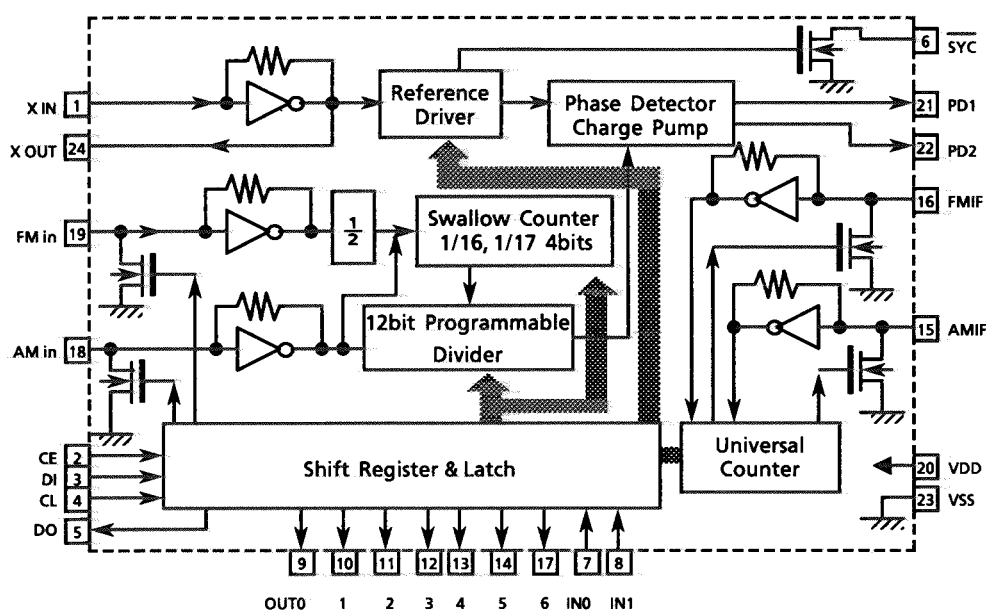
### 1. The main function descriptions

- (1) It makes the local oscillation frequency by the control data from IC901.
- (2) Decode the control signal and transmit the signal for receiving conditions.
- (3) For the best tuning, count the internal-frequency and transmit the data to IC901.

### 2. Terminal Layout



### 3. Block Diagram



### 4. Pin Functions

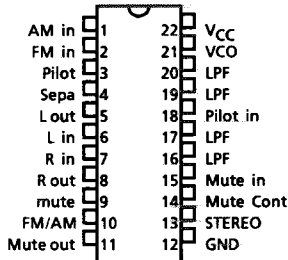
Pin No.	Symbol	I/O	Functions
1,24	X in , X out	I/O	Crystal oscillator (7.2MHz).
2	CE	I	Fix the chip enable to "H" when inputting (DI) and outputting (DO) the serial data.
3	DI	I	Receive the control data from the controller (IC801).
4	CL	I	This clock is used to synchronize data when transmitting the data of DI and DO.
5	DO	O	Transmit the data from LC7218JM to the controller which is synchronized with CL.
6	SYNC	—	Not used.
7	TUNED	I	Receive the tuned signal from IC102 (LA1836M).
8	STOP IN	—	Connected to GND
9	POWER	—	Not used.
10	QSC	—	Not used.
11	MONO	O	It is "H" on FM-monaural, "L" on FM-Stereo.
12	FM	O	It is "L" on FM mode.
13	MW	O	It is "L" on MW mode.
14	LW	O	It is "L" on LW mode.
15	AM-IF	I	Universal counter input for AM-IF from IC102 (LA1836M).
16	FM-IF	I	Universal counter input for FM-IF from IC102 (LA1836M).
17	IF REQ	O	Output the "IF-signal request" to IC102 when the pin-7 (tuned in) goes to "H".
18	AM OSC	I	Input the local oscillator signal of AM.
19	FM OSC	I	Input the local oscillator signal of FM.
20	V <sub>DD</sub>	—	This is a terminal of power supply.
21	PD1	O	PLL charge pump output : When the local oscillator signal frequency is higher than the reference frequency high level signals will output. When it is lower than the reference frequency, low level signals will output. When it is same as reference frequency signals, it will be floating.
22	PD2	—	Not used.
23	V <sub>SS</sub>	—	Connected to GND

■ LA3401 (IC105) : FM MPX Detector

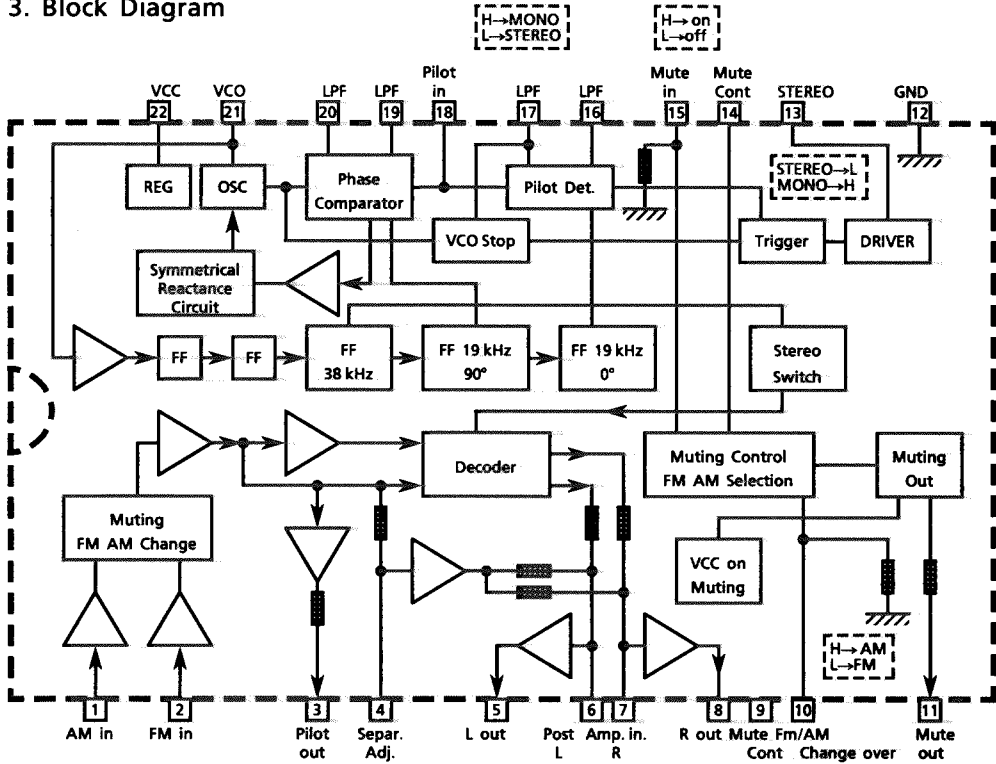
1. The main function descriptions

- (1) Detect the FM Multiplex Signal (Stereo signal).
- (2) When receiving FM Stereo Signal, it outputs the signal for indicator.
- (3) AM / FM Audio Amplifier.

2. Terminal Layout



3. Block Diagram



4. Pin Function Description

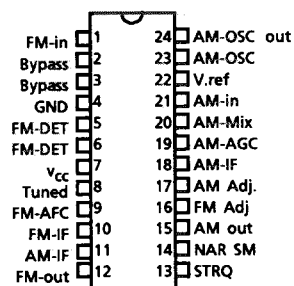
Pin No.	Symbol	I/O	Functions and Operations
1	AM in	I	This is an input terminal for AM detection signal.
2	FM in	I	This is an input terminal for FM detection signal.
3	Pilot out	O	Output of MPX pilot signal (Connect to Pin18).
4	Sepa. Adj.	--	Separation adjustment.
5	L. out	O	Left channel signal output.
6	L	O	Reversal output of Pin5.
7	R	O	Reversal output of Pin8.
8	R out	O	Right channel signal output
9	Mute Cont	--	The mute time is controlled by the connected capacitor when turning the power switch on.
10	FM / AM	I	Change over the FM / AM input. "H" : AM, "L" : FM
11	Mute out	--	Not use
12	GND	--	Ground terminal.
13	Stereo	O	Stereo indicator output. Stereo : "L", Mono : "H"
14	Mute Cont	--	The mute time is controlled by the connected capacitor when changing over the FM / AM
15	Mute in	I	Mute signal input. "H" : Mute on, "L" : Mute off.
16	LPF	--	Low pass filter of pilot detector.
17	LPF	--	While this terminal goes to "H", the VCO stop.
18	Pilot in	I	Pilot input.
19	LPF	--	Low-pass filter of PLL.
20	LPF	--	Low-pass filter of PLL.
21	VCO	I	Voltage controlled oscillator terminal.
22	V <sub>CC</sub>	--	Power supply.

■ LA1266A (IC104) : FM AM IF AMP & detector

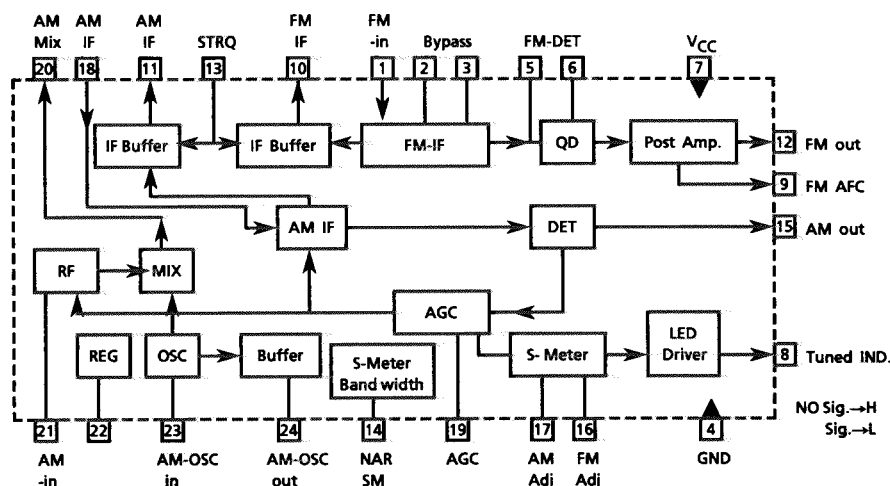
1. The main function descriptions

- (1) Amplify and detect of FM intermodulation frequencies..
- (2) It has local oscillator and mixer for AM, and amplify the AM-IF signal.

2. Top View



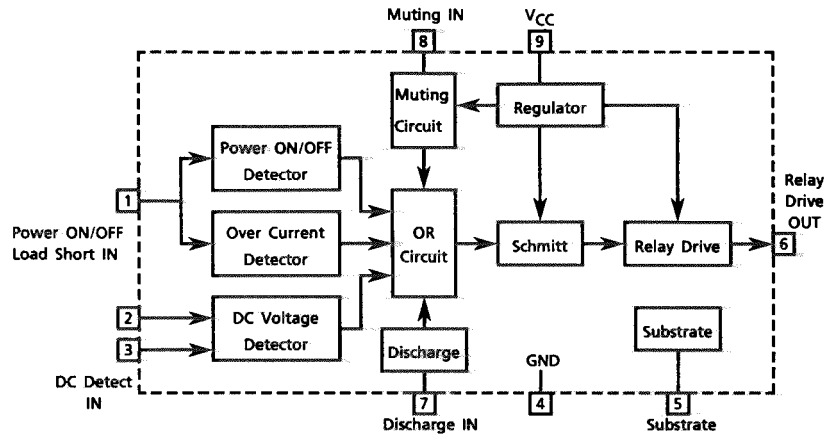
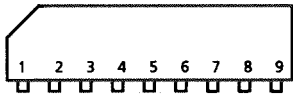
3. Block Diagram



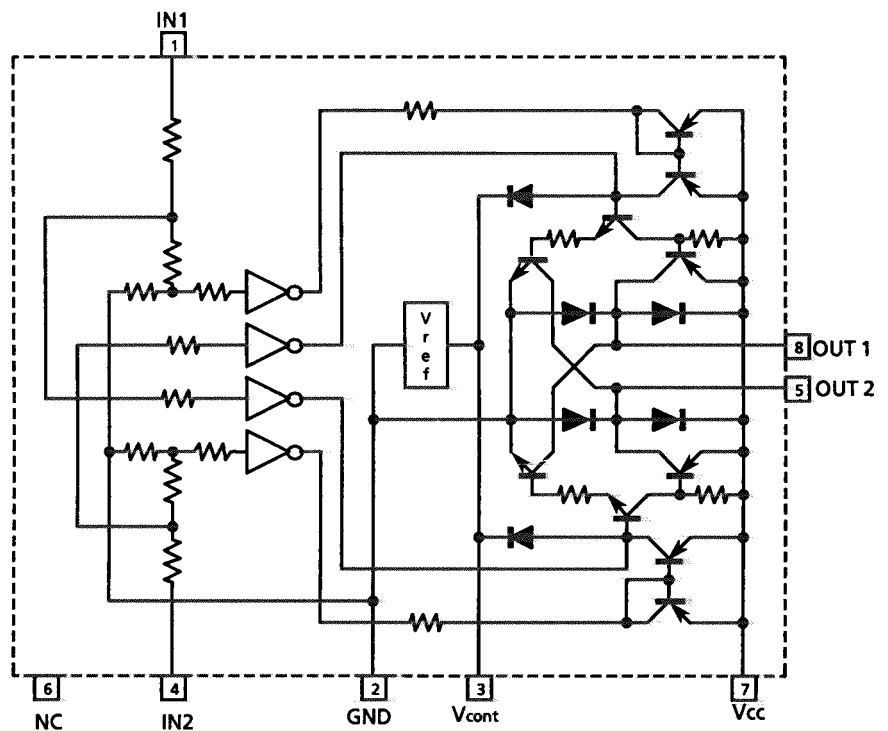
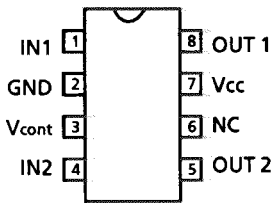
4. Pin Function Description

Pin No.	Symbol	I/O	Functions and Operations
1	FM in	I	This is an input terminal of FM IF Signal.
2, 3	Bypass	--	Bypass of FM IF Amp.
4	GND	--	This is the device ground terminal.
5, 6	FM DET	--	FM detect transformer.
7	V <sub>cc</sub>	--	This is the power supply terminal.
8	Tuned	O	When the set is tuning, this terminal become "L".
9	FM AFC	O	This is an output terminal of voltage for FM -AFC.
10	FM IF out	O	When the IF REQ signal of IC251(LC7218) applies to pin13, the signal of FM IF outputs.
11	AM IF out	O	When the IF REQ signal of IC251(LC7218) applies to pin13, the signal of AM IF outputs.
12	FM out	O	FM detection output.
13	STRQ	I	The IF-signals come out from pin10 (FM-IF) or pin11 (AM-IF) while this terminal goes to "High".
14	NAR SM	--	Control the Band-width of AM signal meter.
15	AM out	O	AM detection output.
16	FM Adj	--	For adjust the stop level (or mute level) of FM.
17	AM Adj	--	For adjust the stop level (or mute level) of AM.
18	AM-IF	I	Input of AM IF Signal.
19	AM-AGC	I	This is an AGC voltage Input terminal for AM.
20	AM-MIX	O	This is an output terminal for AM mixer.
21	AM-IN	I	This is an input terminal for AM RF Signal.
22	V.REF	--	Control the Band-width of FM signal meter.
23	AM-OSC	--	This is a terminal of AM Local oscillation circuit.
24	AM-OSC out	O	AM Local Oscillation Signal output.

■ TA7317P (IC901) : PROTECTOR

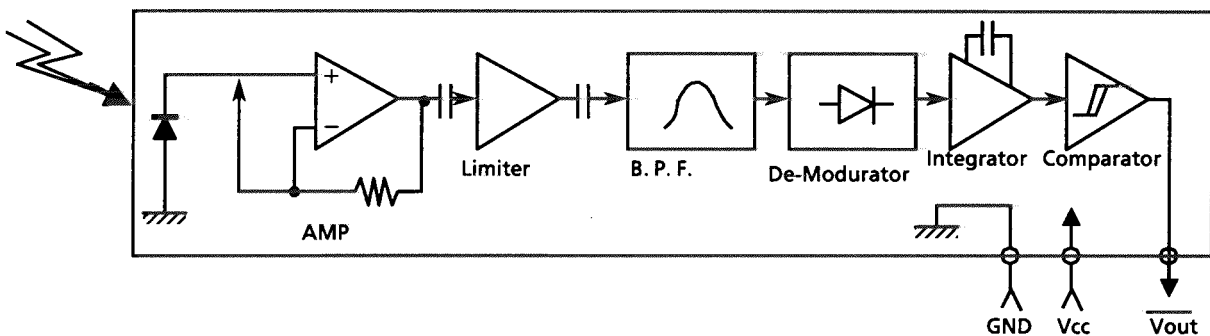


■ LB1639 (IC361) : Motor Driver

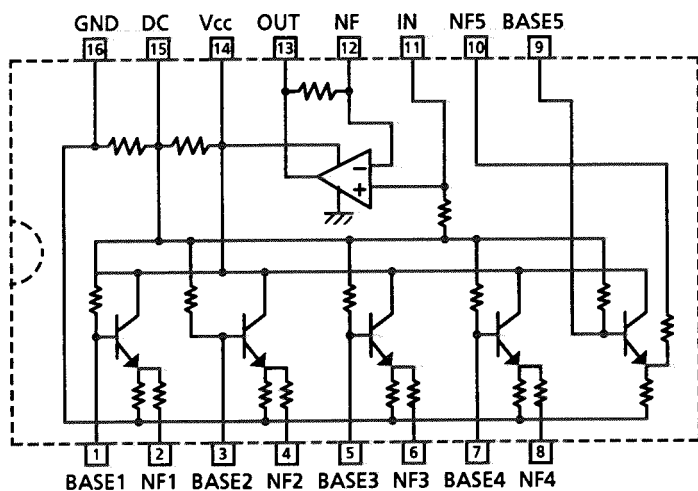


IN 1	IN 2	OUT 1	OUT 2	MOTOR
H	L	H	L	CLOCKWISE
L	H	L	H	COUNTER-CLOCKWISE
H	H	OFF	OFF	WAITING
L	L	OFF	OFF	WAITING

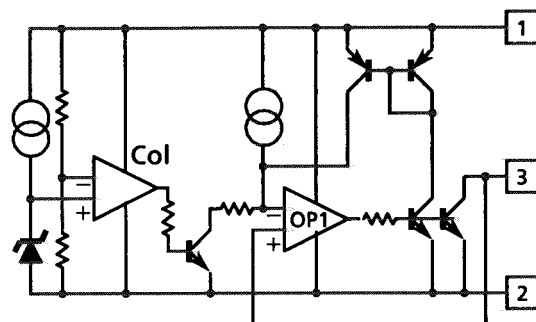
■ NJH32H380A (IC402) : Remocon Module IC



■ LA3600S (IC501,502) : S.E.A. Graphic Equalizer

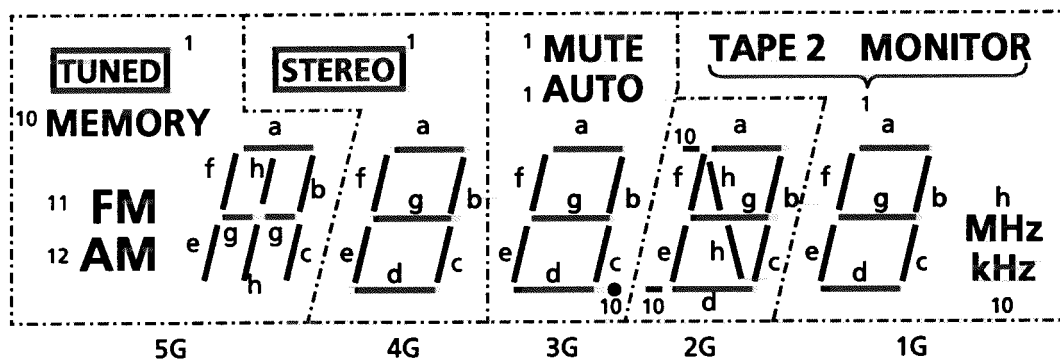


■ PST600E (IC491) : Reset IC



## Internal Connections of the FL Display

■ ELU0001-143 : FL401



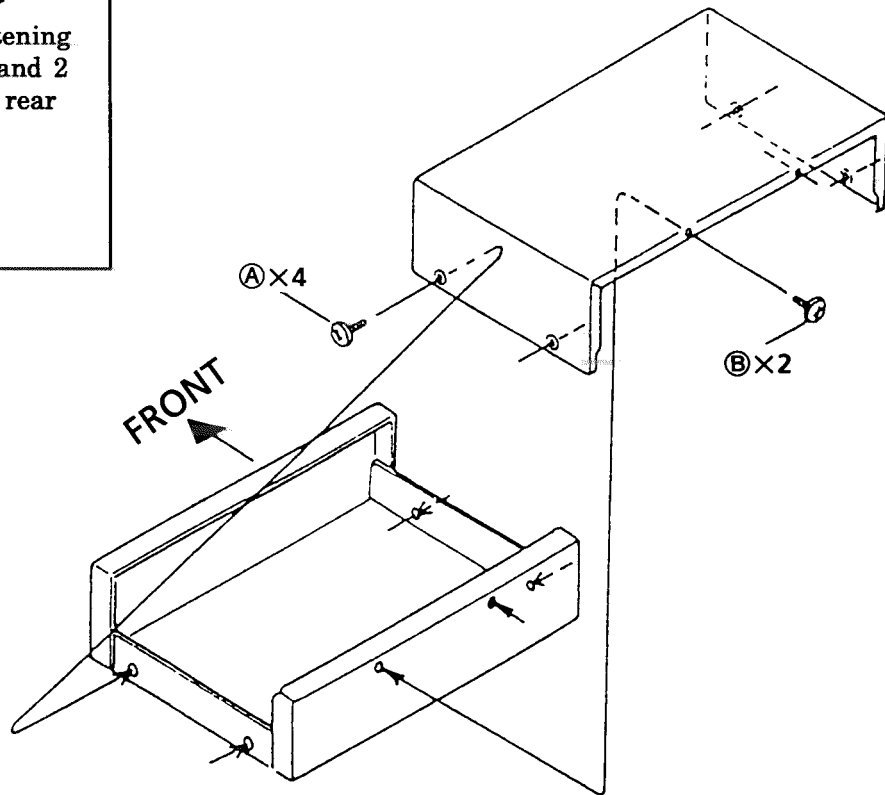
### Pin Connection

PIN NUMBER	1	2	3	4	5	6	7	8	9	10	11	12	13	14						
ELECTRODE	F1	F1	NP	P12	P11	P10	Ph	Pg	Pf	Pe	Pd	Pc	Pb	Pa						
PIN NUMBER							15	16	17	18	19	20	21	22	23	24	25	26	27	28
ELECTRODE							P1	NP	NP	NP	NP	NP	5G	4G	3G	2G	1G	NP	F2	F2

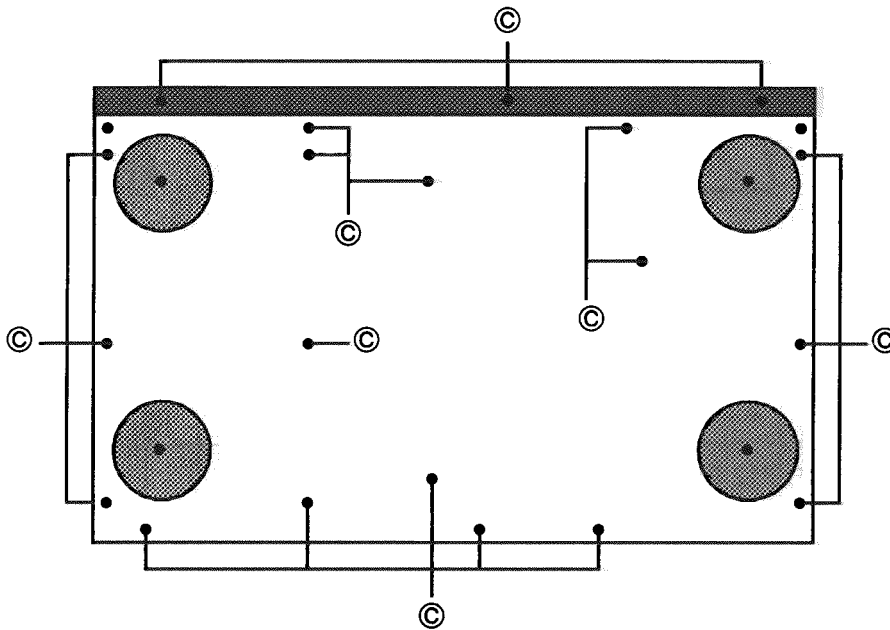
Note F : Filament, G : Grid, P : Element, NP : No Pin, NC : No Connection

## Disassembly Procedures

- (1) Removing the top cover
1. Remove 4 screws (A) fastening both sides of top cover, and 2 screws (B) fastening the rear side.
  2. Remove the top cover.



- (2) Removing the Bottom Cover
1. Remove 17 screws (C) fastening the bottom cover.
  2. Remove the bottom cover.



(A) .. E61660-004

(B) ... SBSG3008M

(C) ... SBSG3008Z

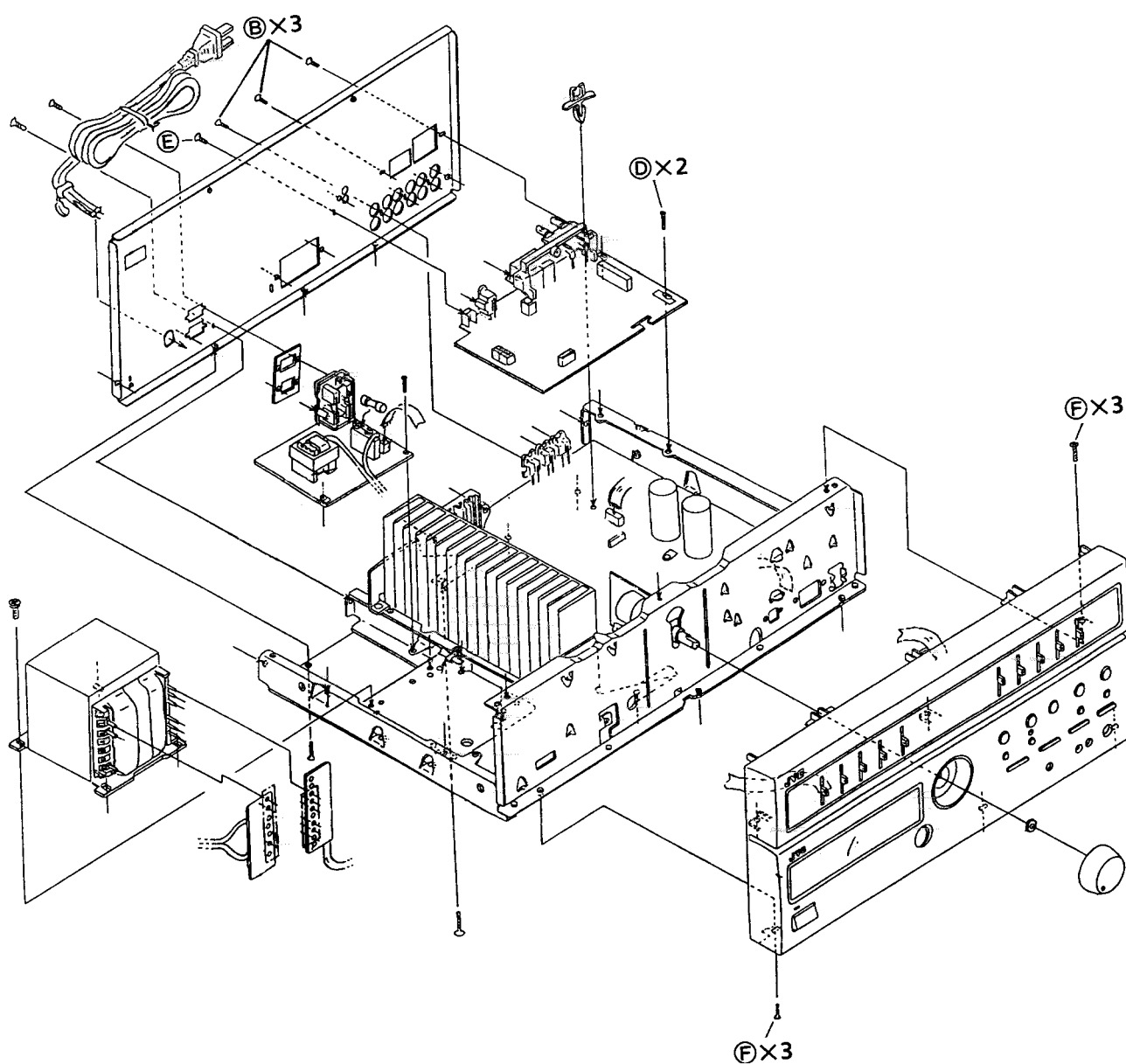


**(3) Removing the Tuner P.C. Board**

1. Remove the top cover.
2. Disconnect the connectors. (P101,P103)
3. Remove the 6 screws ①, ② and ③, and take it out.

**(4) Removing the Front Panel Assembly**

1. Remove 3 screws ④ fastening top of the front panel, and 3 screws ④ fastening bottom of it.
2. Disconnect the connectors. (P501,P502,P702,PA807,P805)
3. Remove the Master volume knob.
4. Remove the nut fastening the Master volume.
5. Remove the front panel.



① ... SBSG3008M

② ... SBSG3008CC

③ ... SBST3006M

④ ... SDSG3008M

## Adjustment Procedures

### ■ Tuner section

#### Tuning range

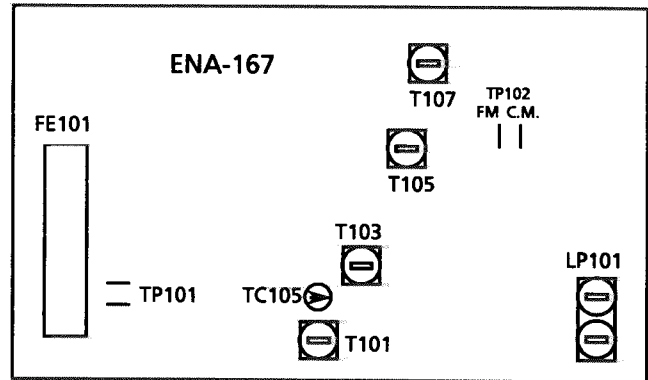
Area	Range	
	MW (Kz)	FM (Mz)
U.S.A., Canada	530~1710	87.5~108

#### (1) Tuning Voltage

Confirm the voltages in the table at TP101.

#### FM Tuning voltage (Unit: V)

Area	Frequency	
	87.5MHz	108MHz
U.S.A., Canada	$1.6 \pm 1.0$	$8.0 \pm 2.0$



#### AM Tuning voltage (Unit : V)

Area	Frequency (MW)	
	530KHz	1710KHz
U.S.A., Canada	$1.0 \pm 0.2$	$8.0 \pm 0.8$

#### (2) FM Center meter

Receive a broadcast by using the function of 'AUTO STOP'.

Adjust T105 (Detector coil) so that the voltage at TP102 becomes  $0 \pm 1.5\text{mV}$ .

#### (3) MW Tracking

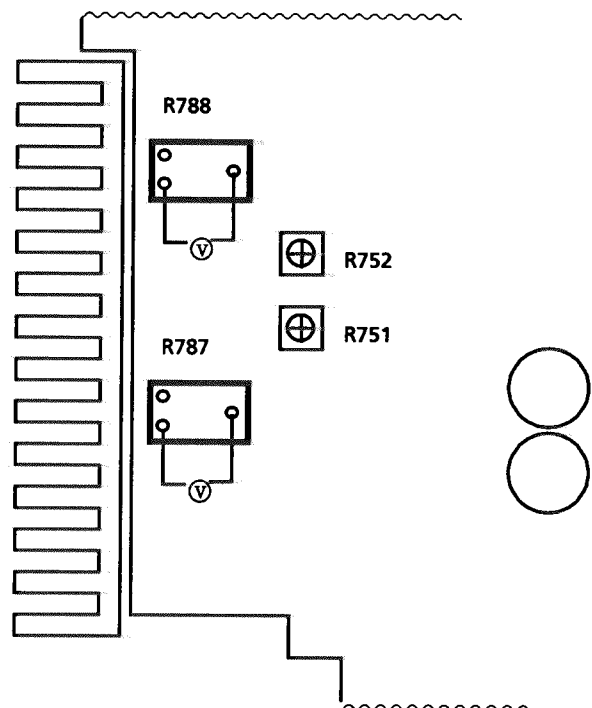
Adjust T101 (Antenna coil) to obtain the best receiving sensitivity on 603kHz or 600kHz.

Adjust TC105 (Antenna trimmer) to obtain the best receiving sensitivity on 1404kHz or 1400kHz.

### ■ Power Amplifier section

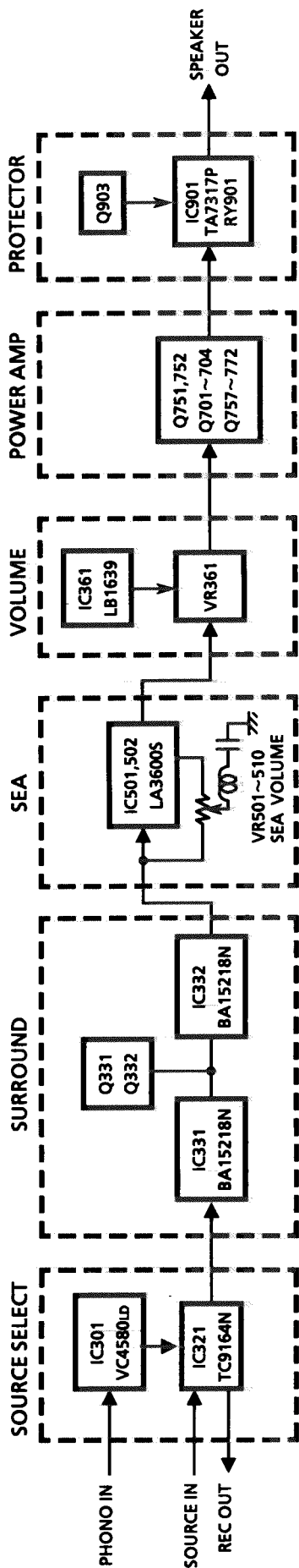
#### Idling Current

- Set the volume control to minimum during this adjustment.
- Turn R751 and R752 fully counterclockwise before the power is switch on.
- Always start from cold, and allow 5 minutes to warm up before adjustment.  
If the heatsink is already warm from previous use the correct adjustment can not be made.
- Connect a DC voltmeter to R787 resistor's leads for left channel, or to R788 for right channel.
- Adjust R751 for left channel, or R752 for right channel, so that the DC voltmeter becomes  $2\text{mV} \sim 7\text{mV}$ .

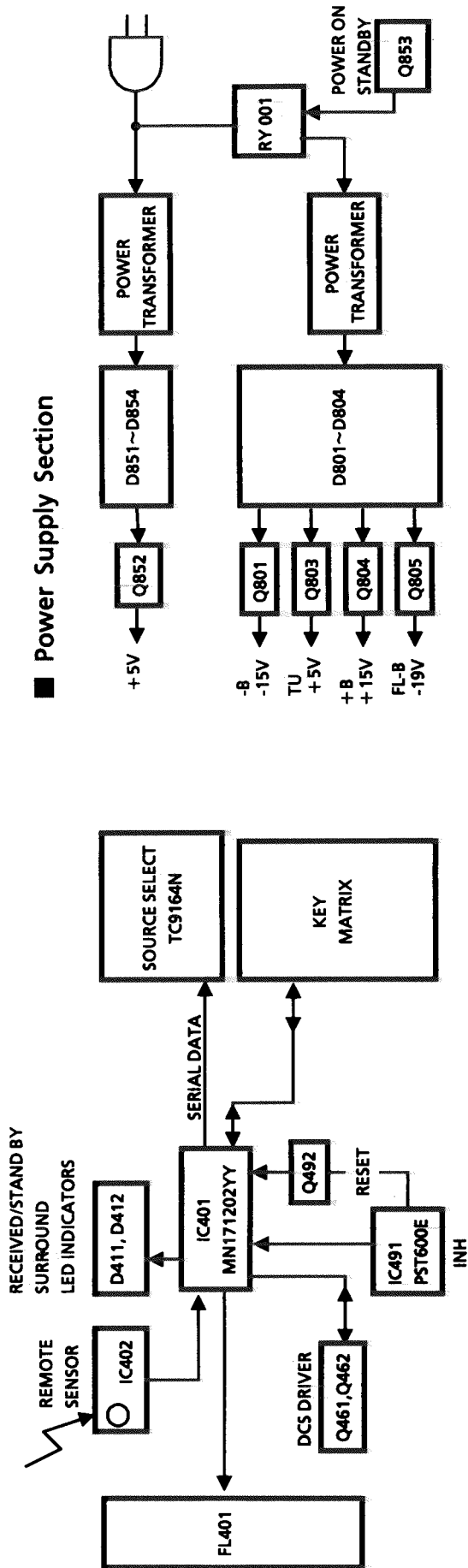


# Block Diagram

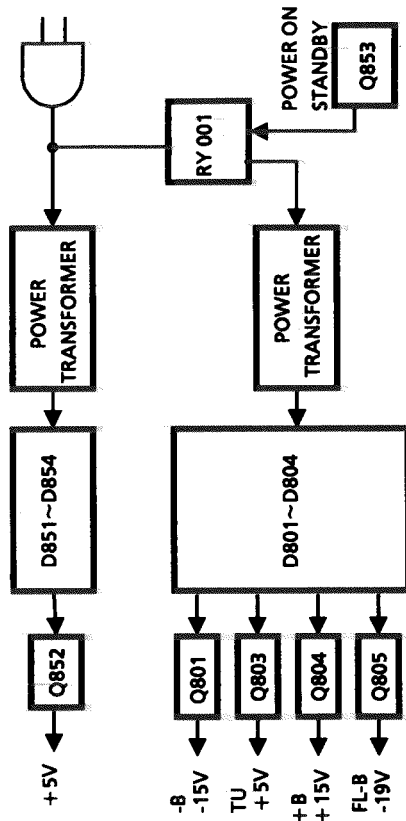
## ■ Audio Section



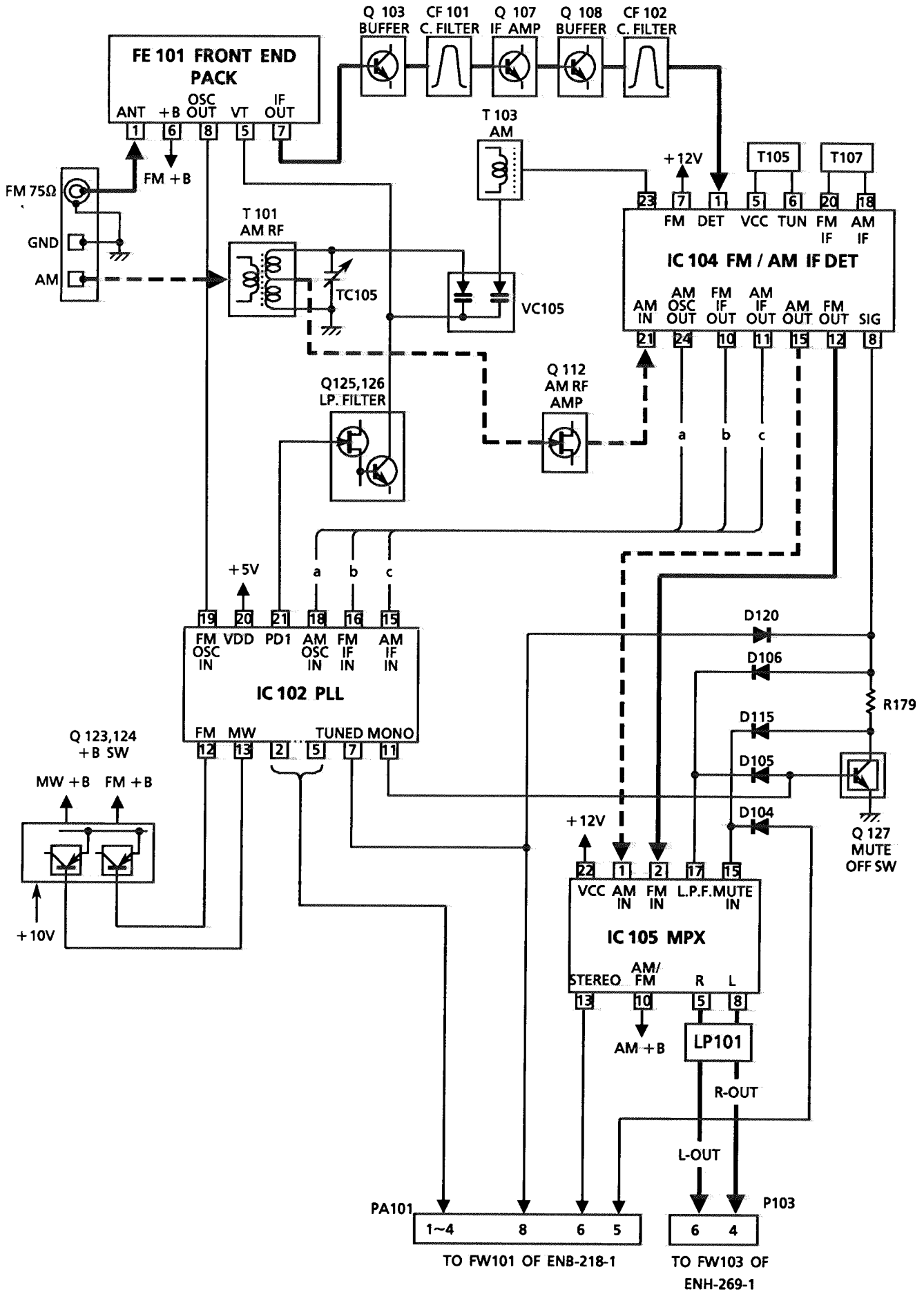
## ■ Control Section



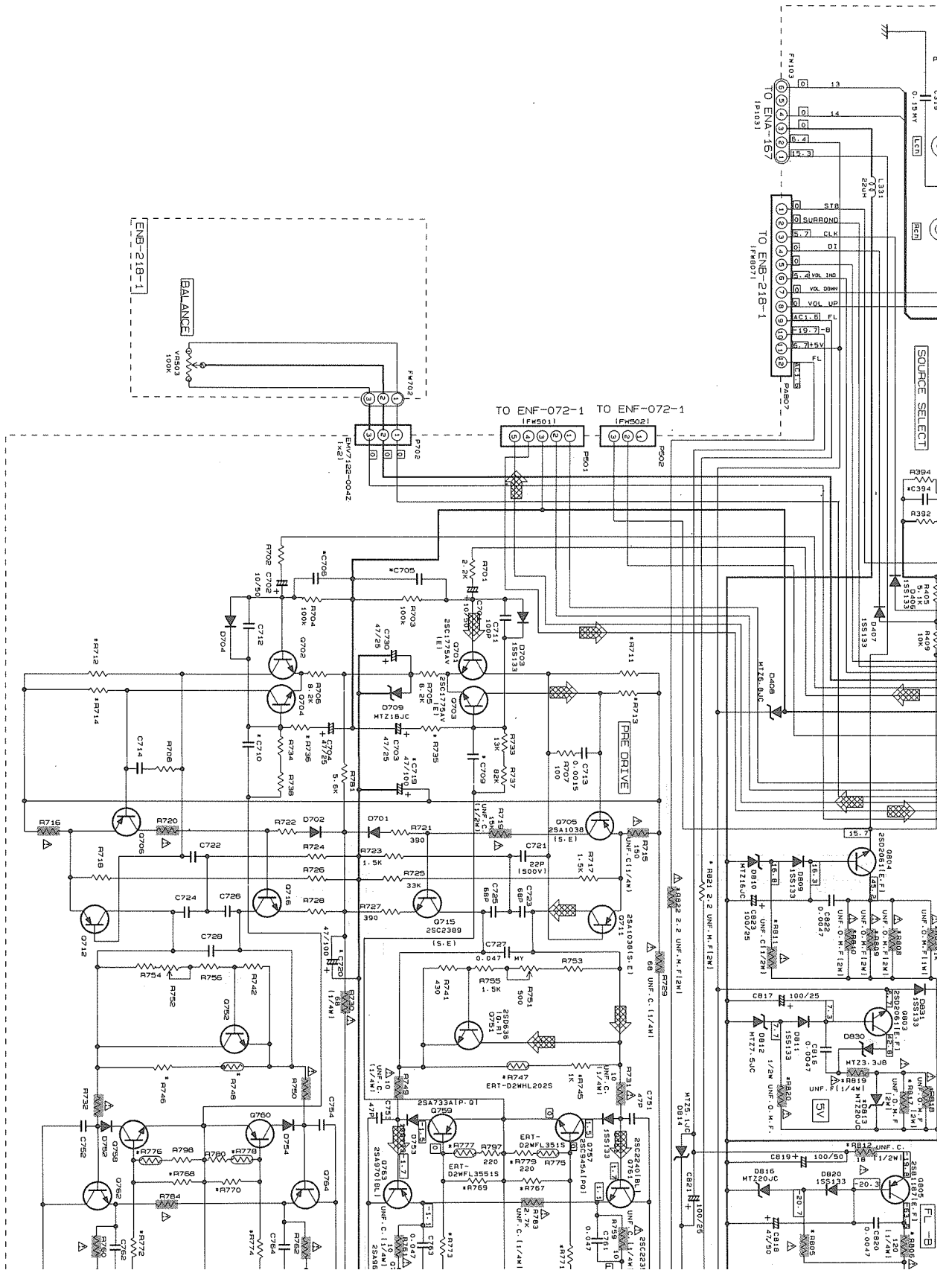
## ■ Power Supply Section



■ Tuner Section

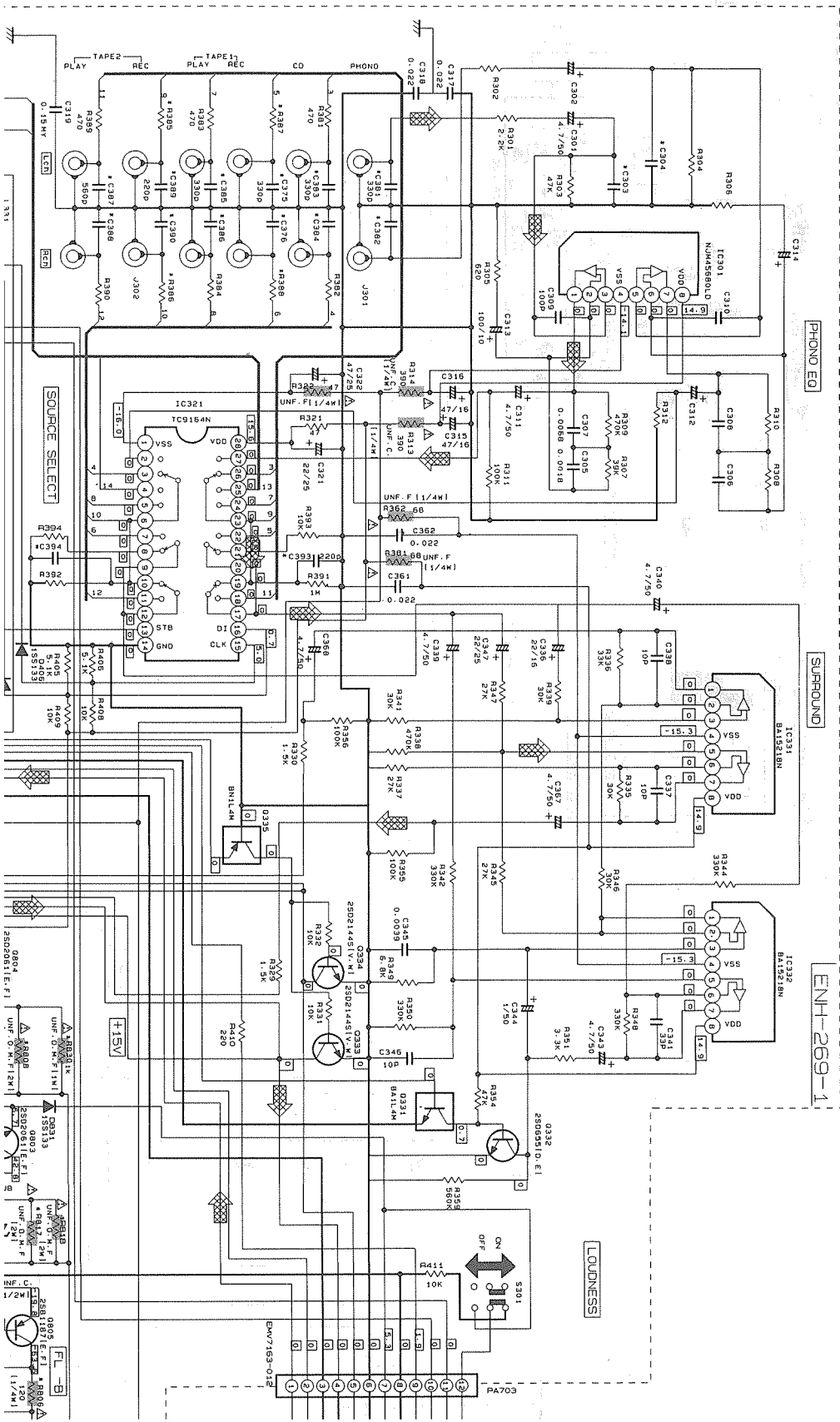


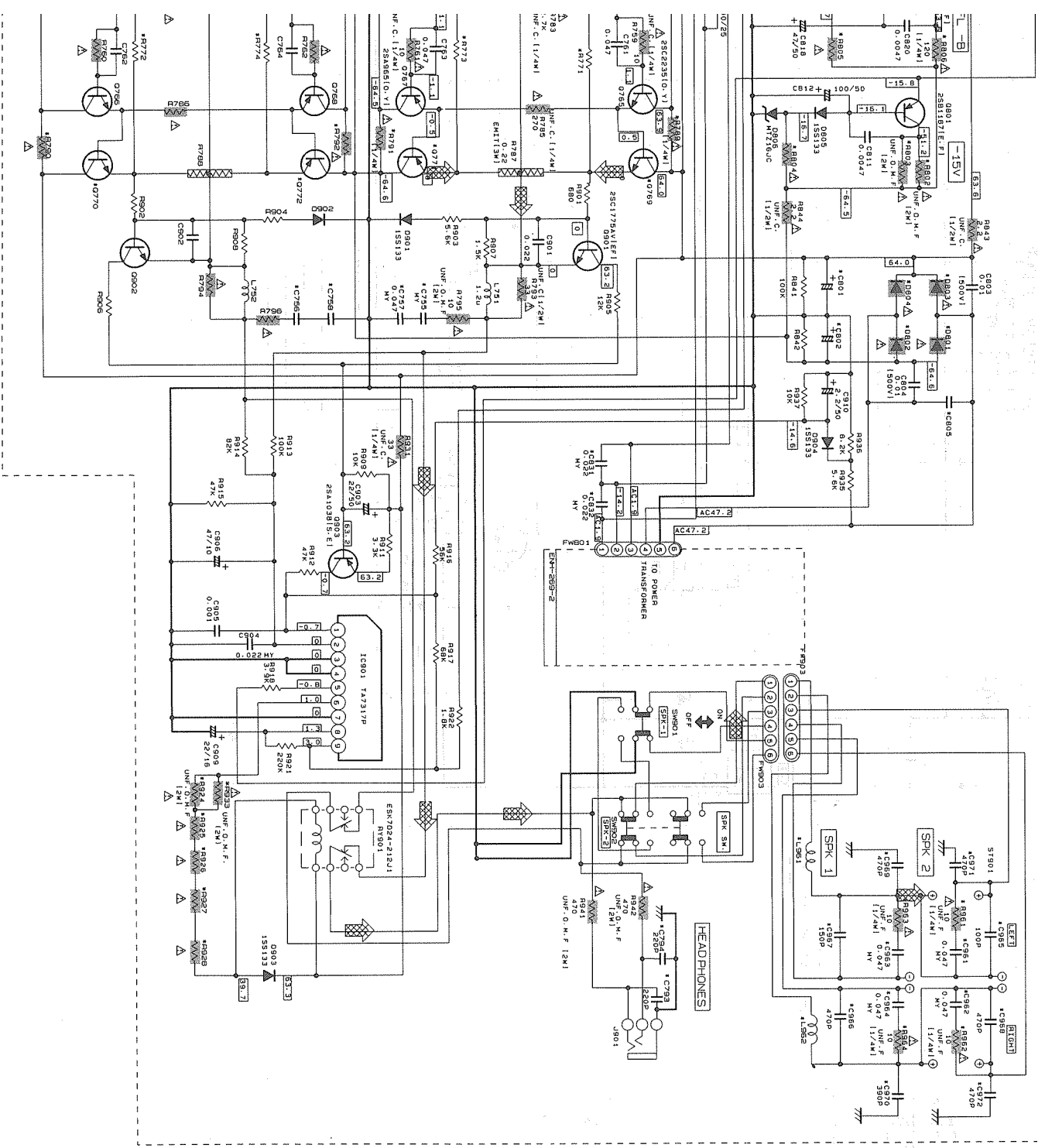




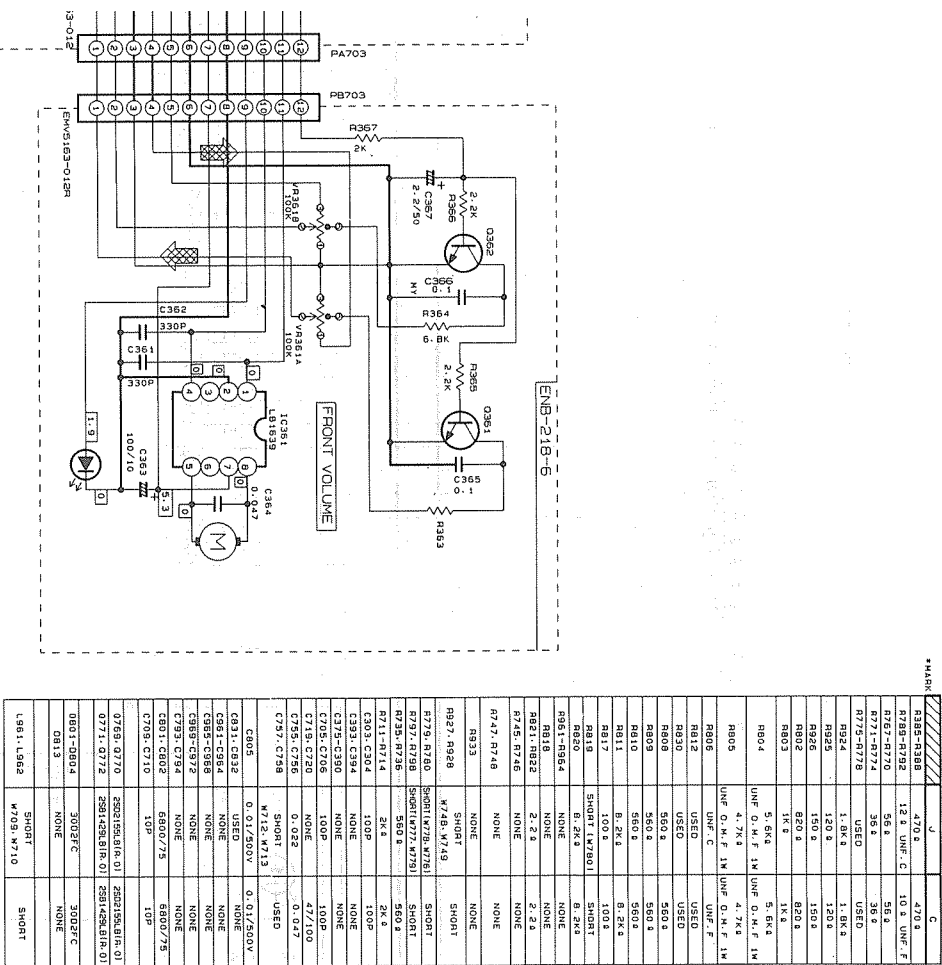
# Schematic Diagrams

(1) Input Selector & Power Amp Section



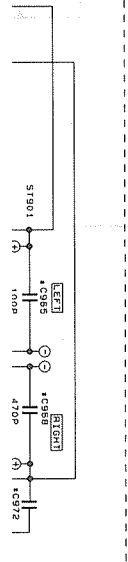






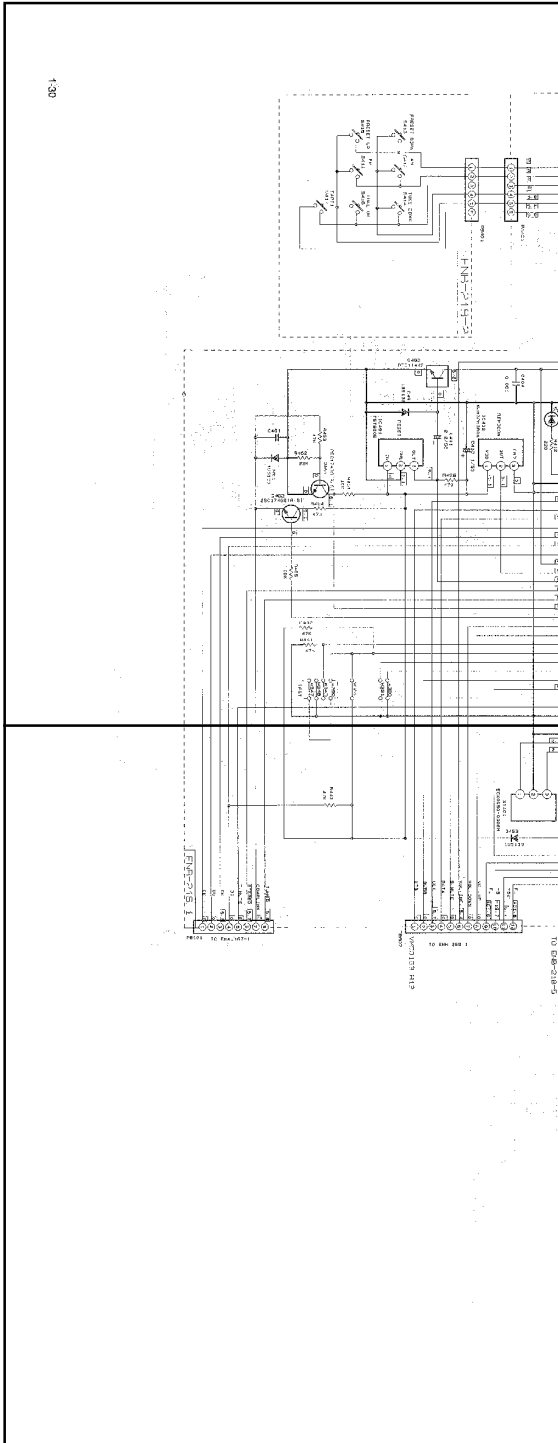
**How to Use Schematic Diagrams**

1. indicates signal path.
2. parts marked with and those in the shaded area are parts for safety.
3. This is the standard circuit diagram. The circuits and circuit constants are subject to change for improvement without notice.



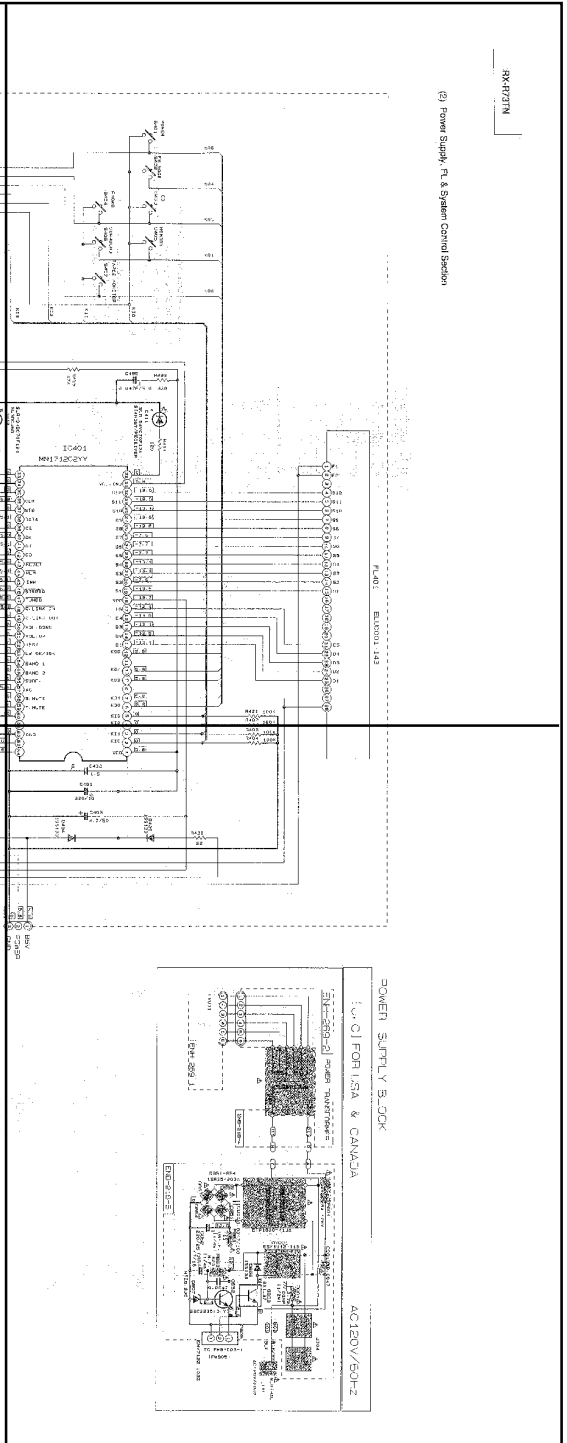


P1-30-a



1-30

P1-30-b



REVISION

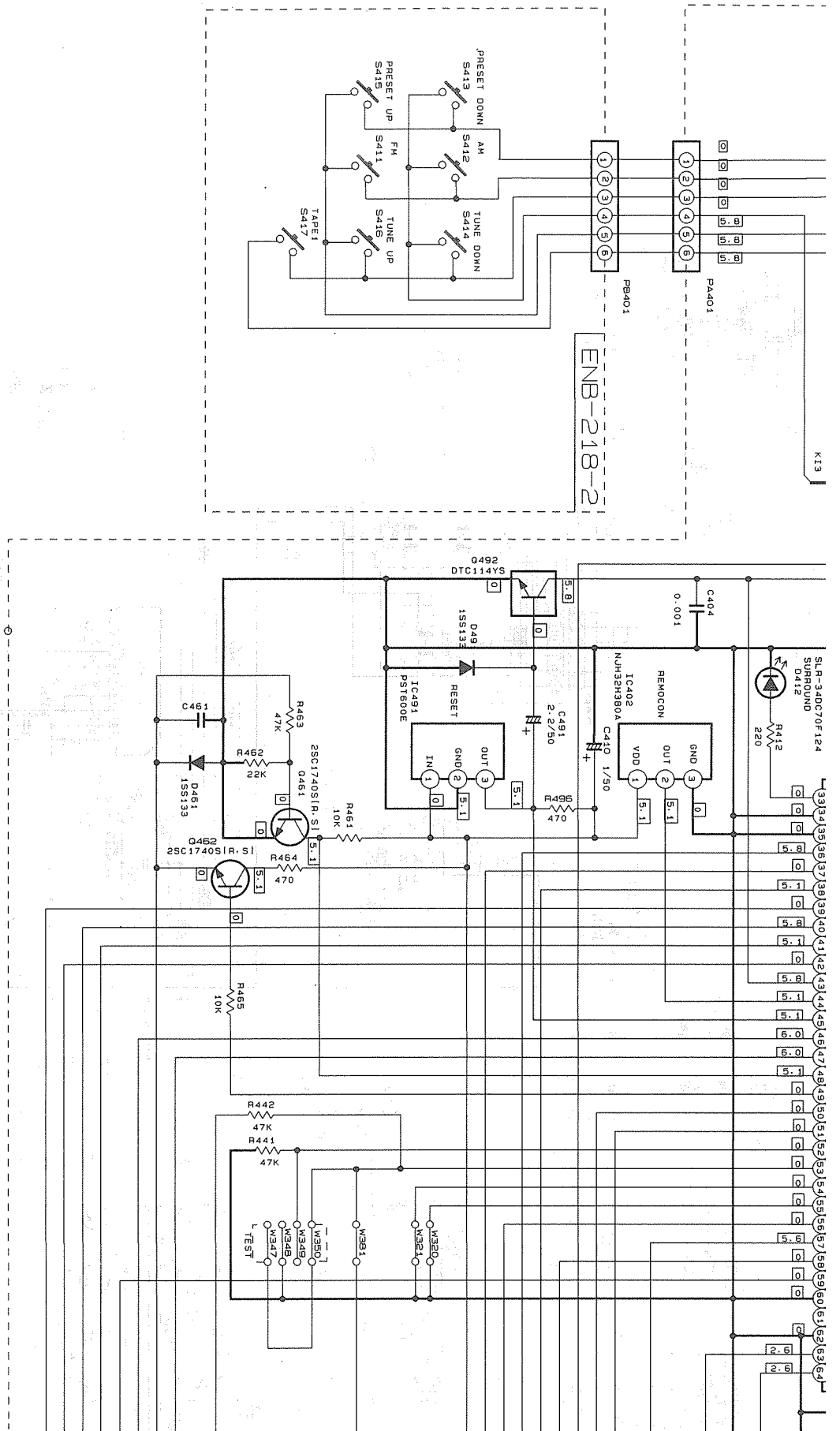
(2) Power Supply, RL & System Control Section

P1-30-c

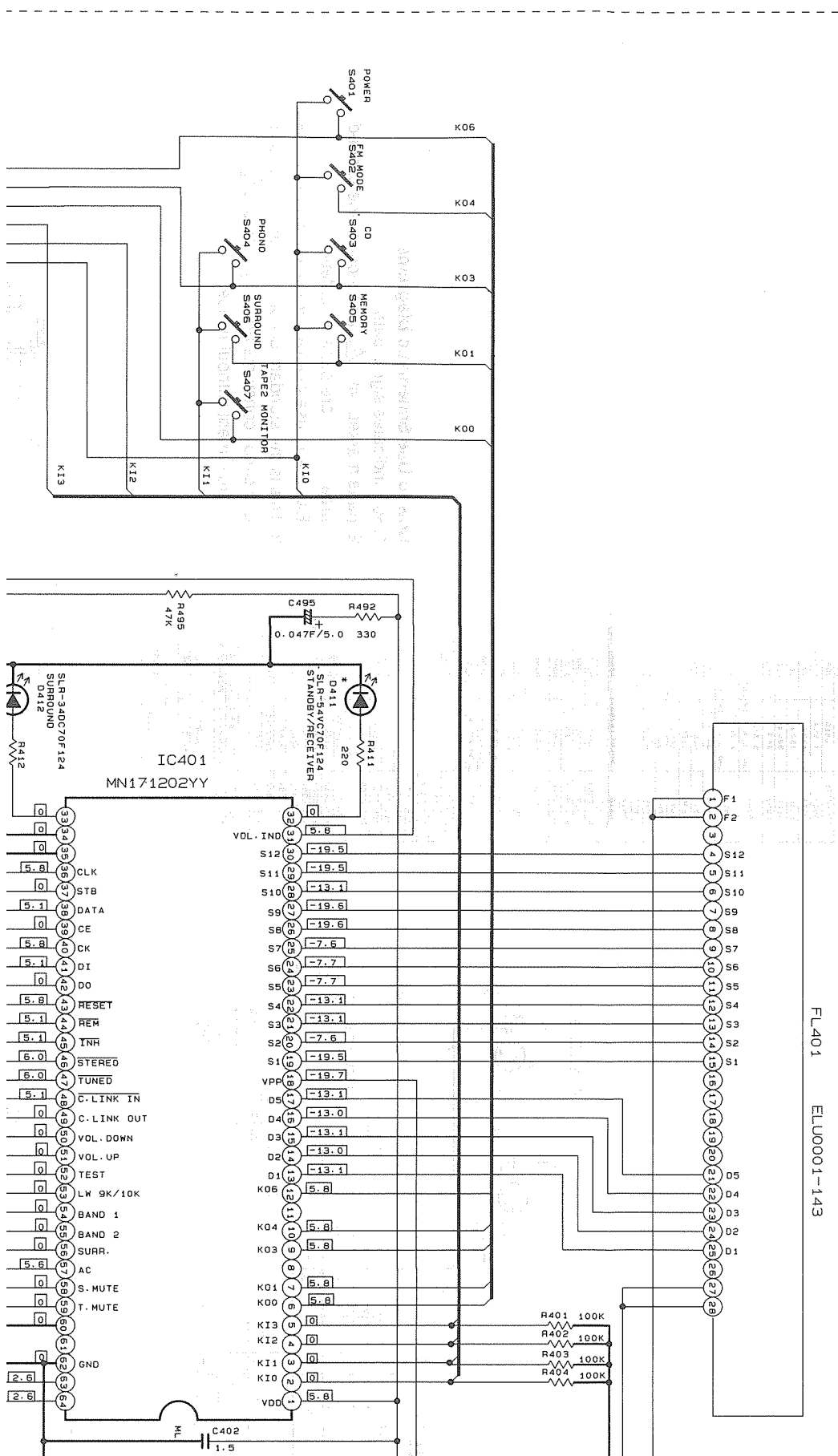


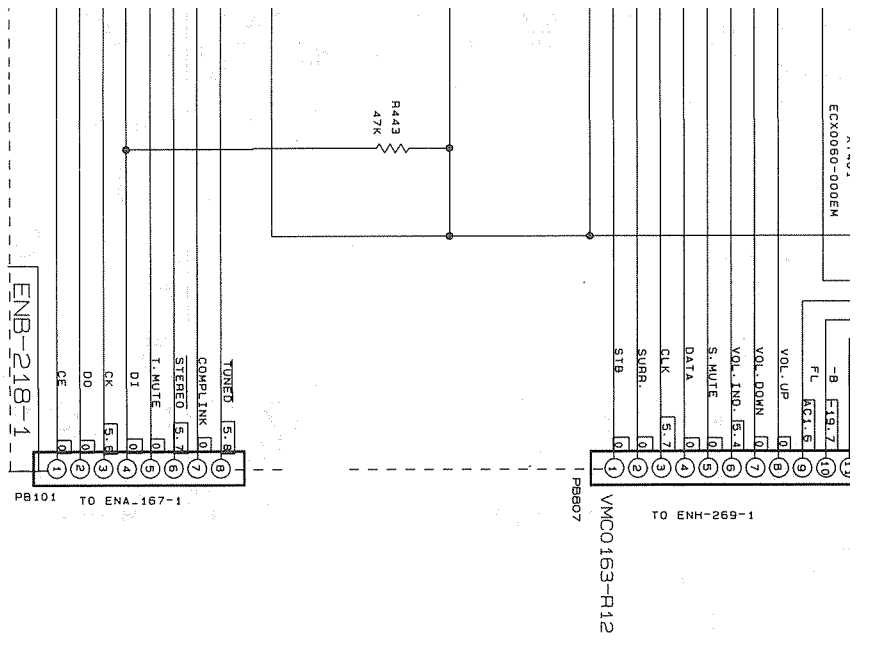
P1-30-d





(2) Power Supply, FL & System Control Section

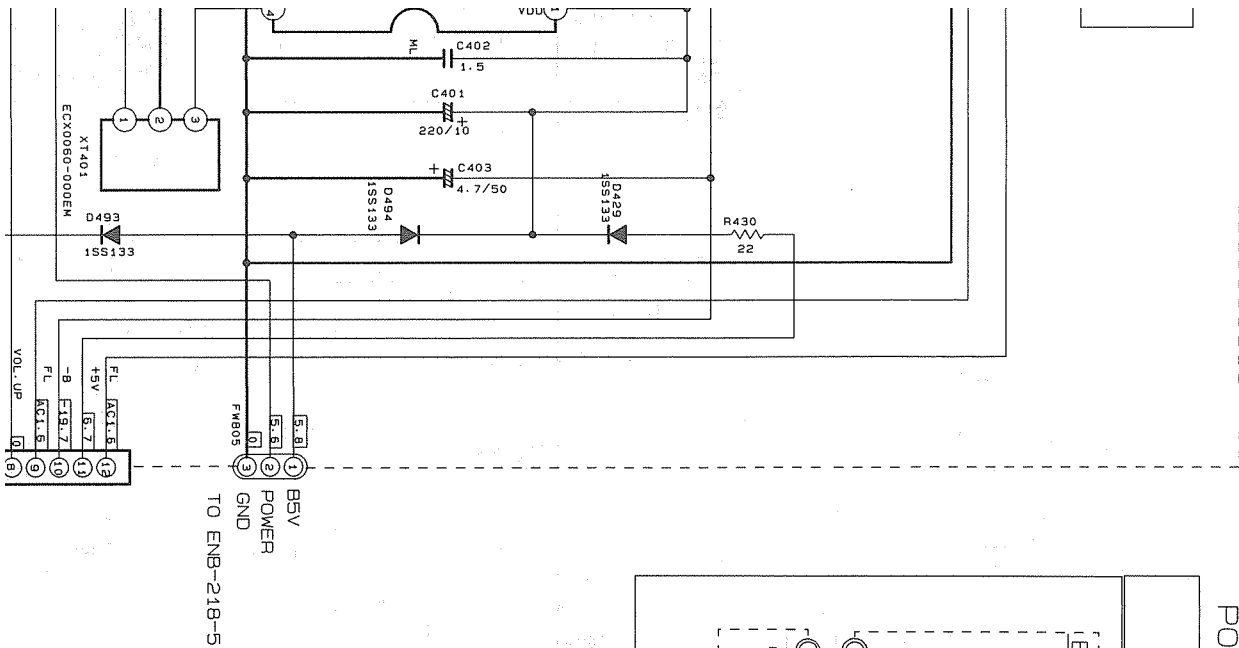
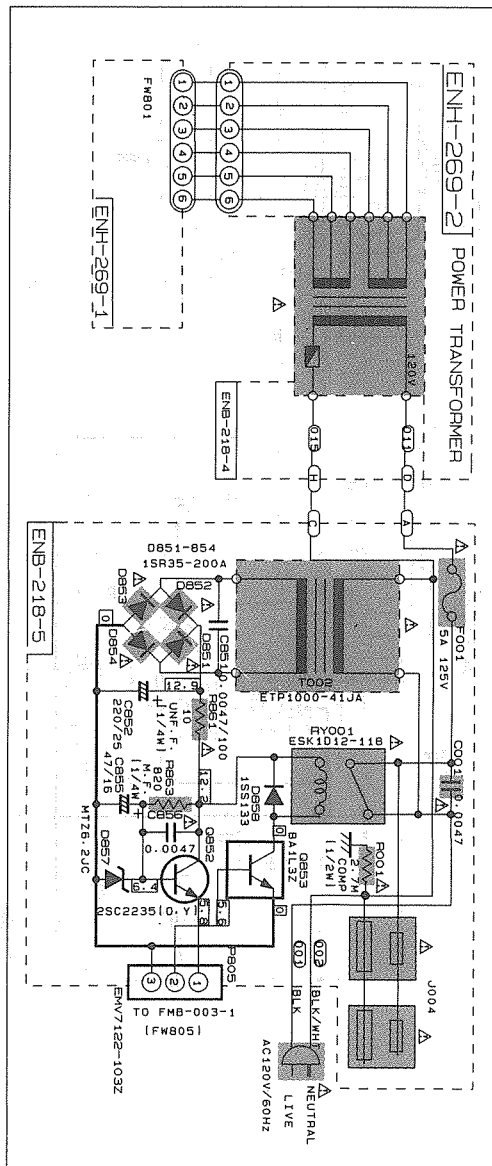




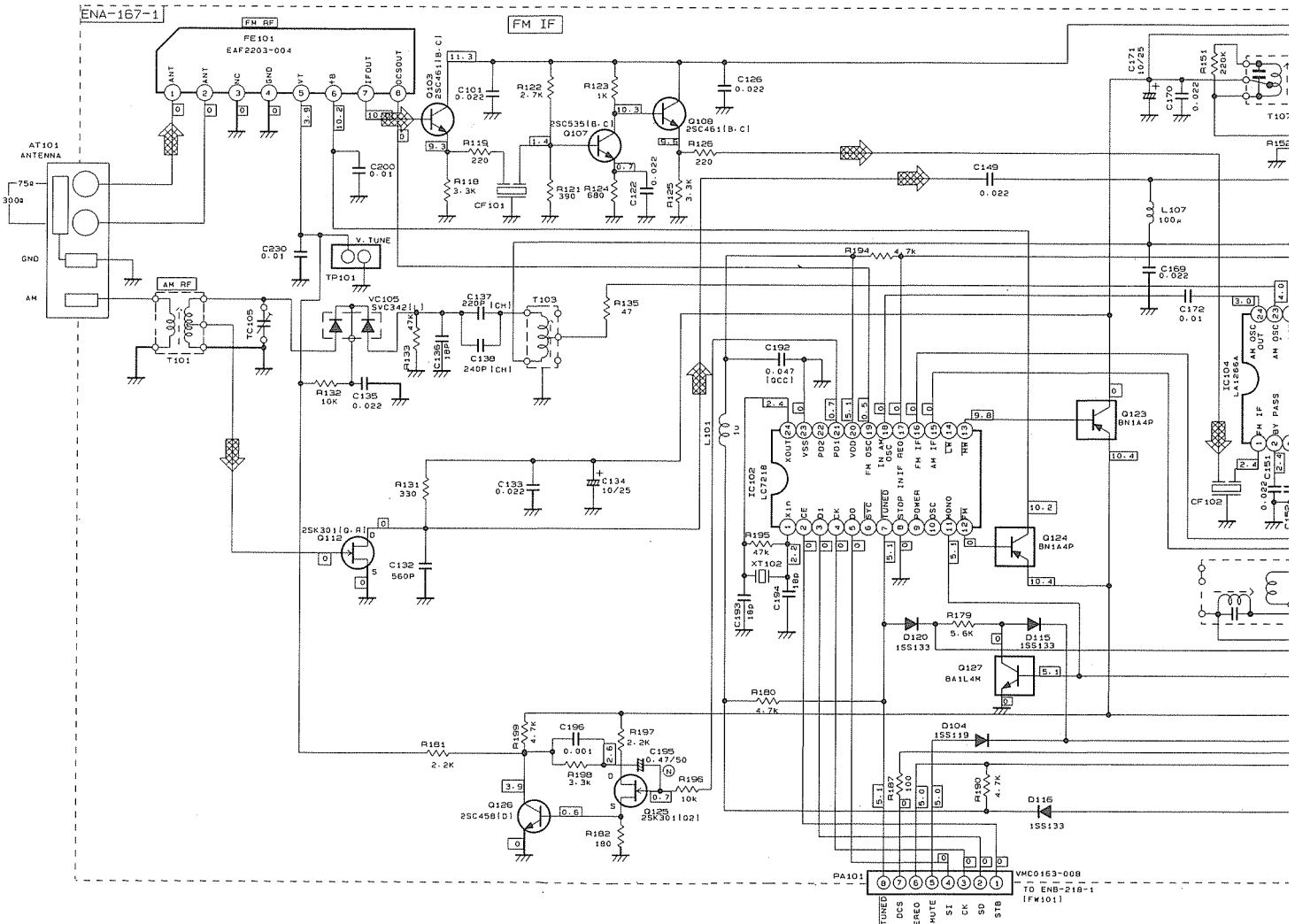
POWER SUPPLY BLOCK

[J.C.] FOR USA & CANADA

AC120V/60HZ



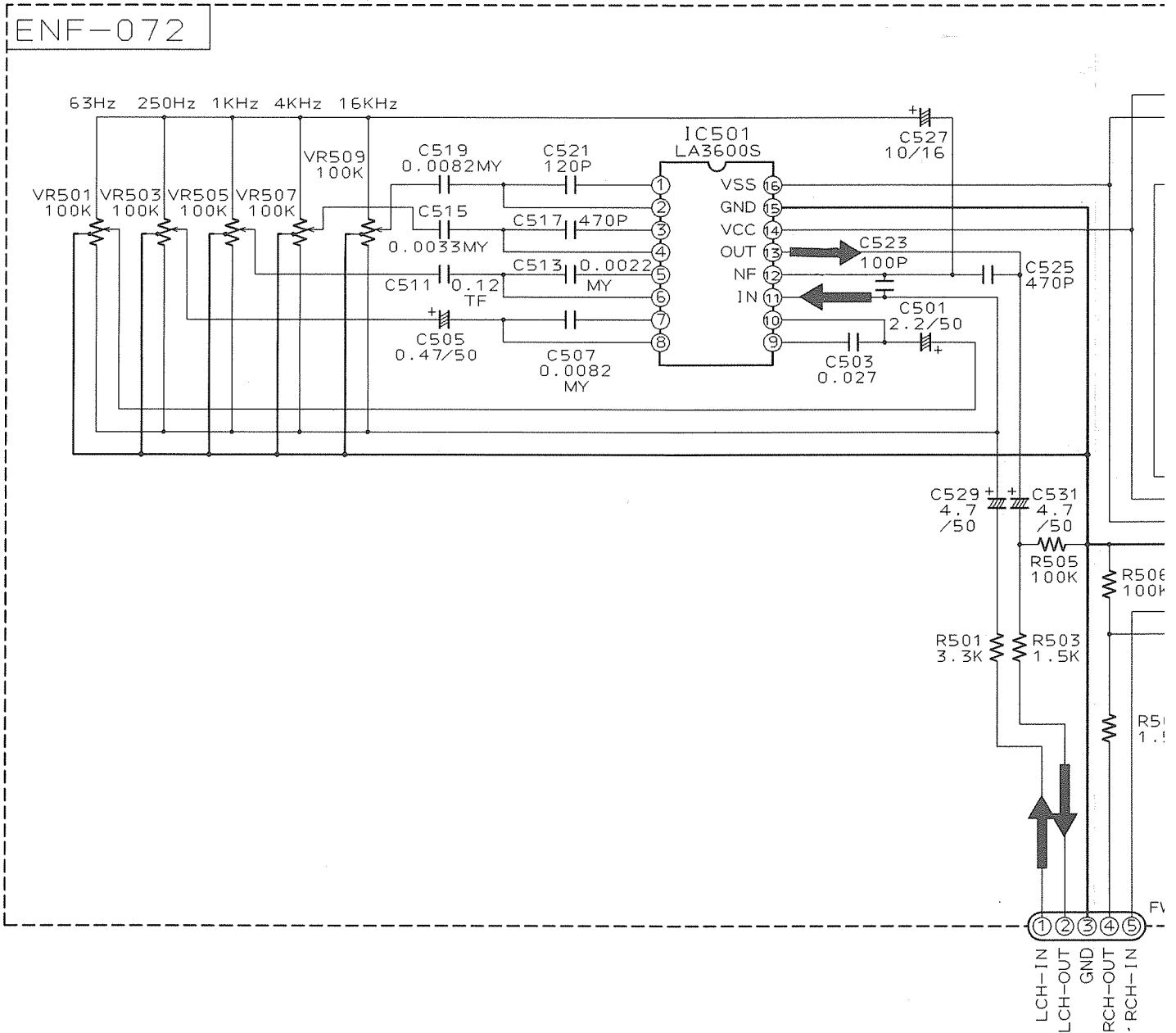
(3) Tuner Section

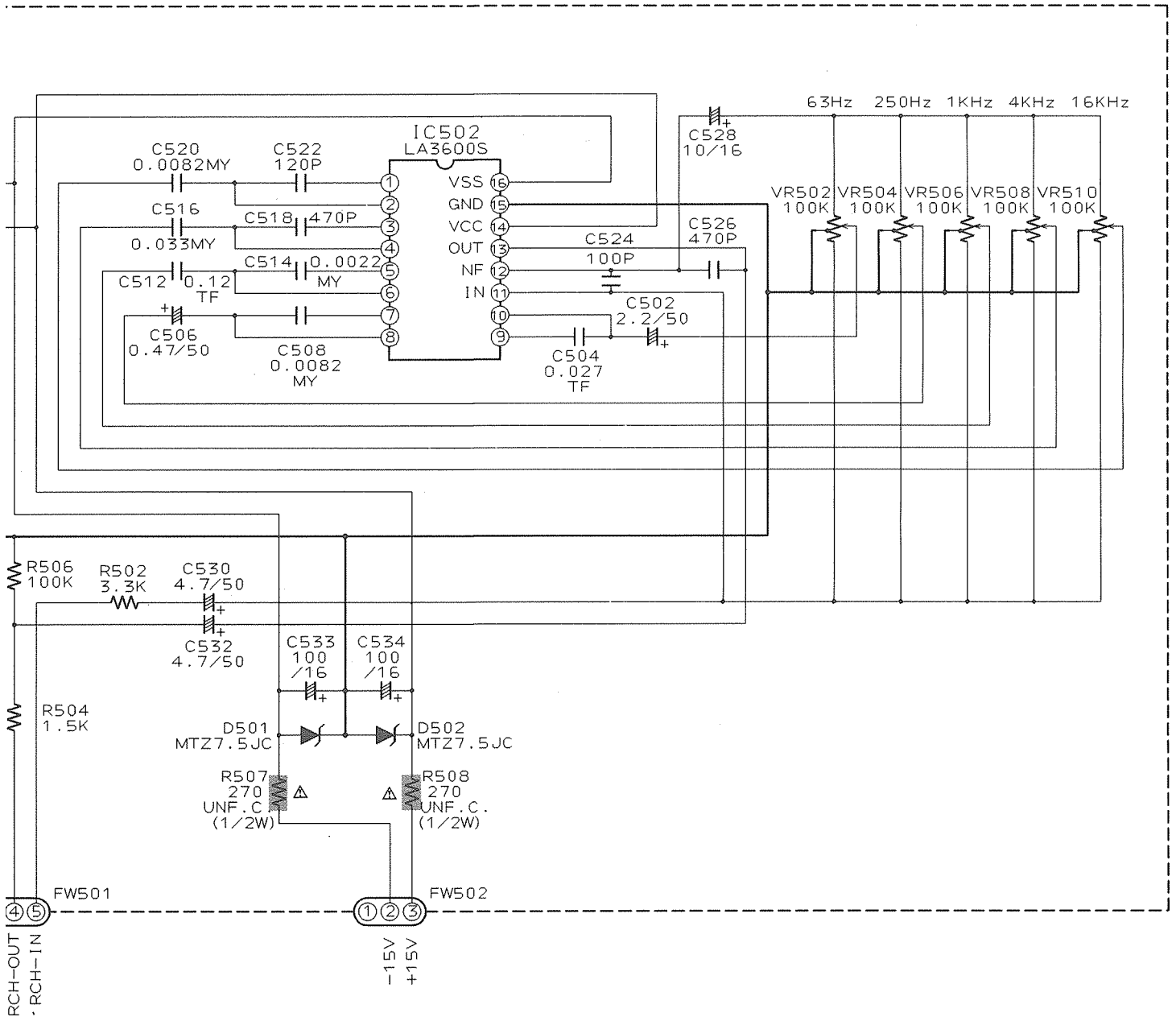






(4) S.E.A. Section

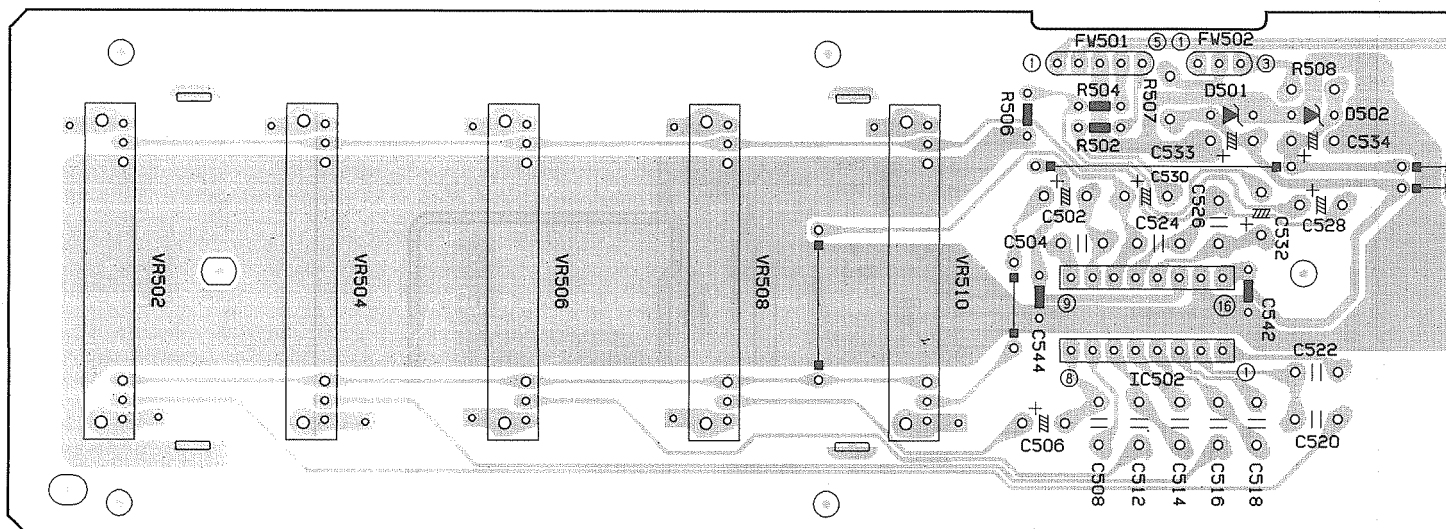






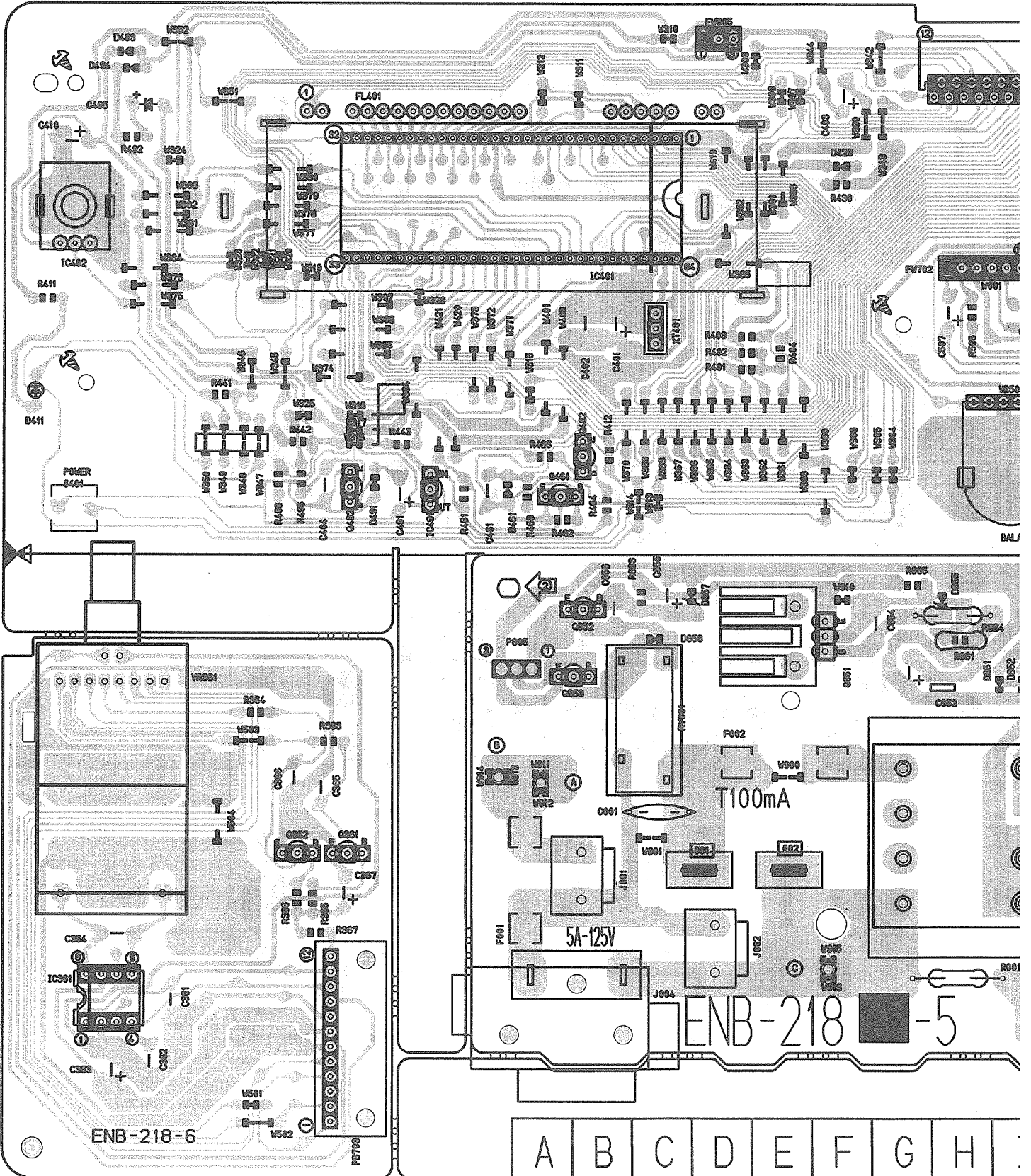


■ S.E.A. P.C. Board (ENF-072)

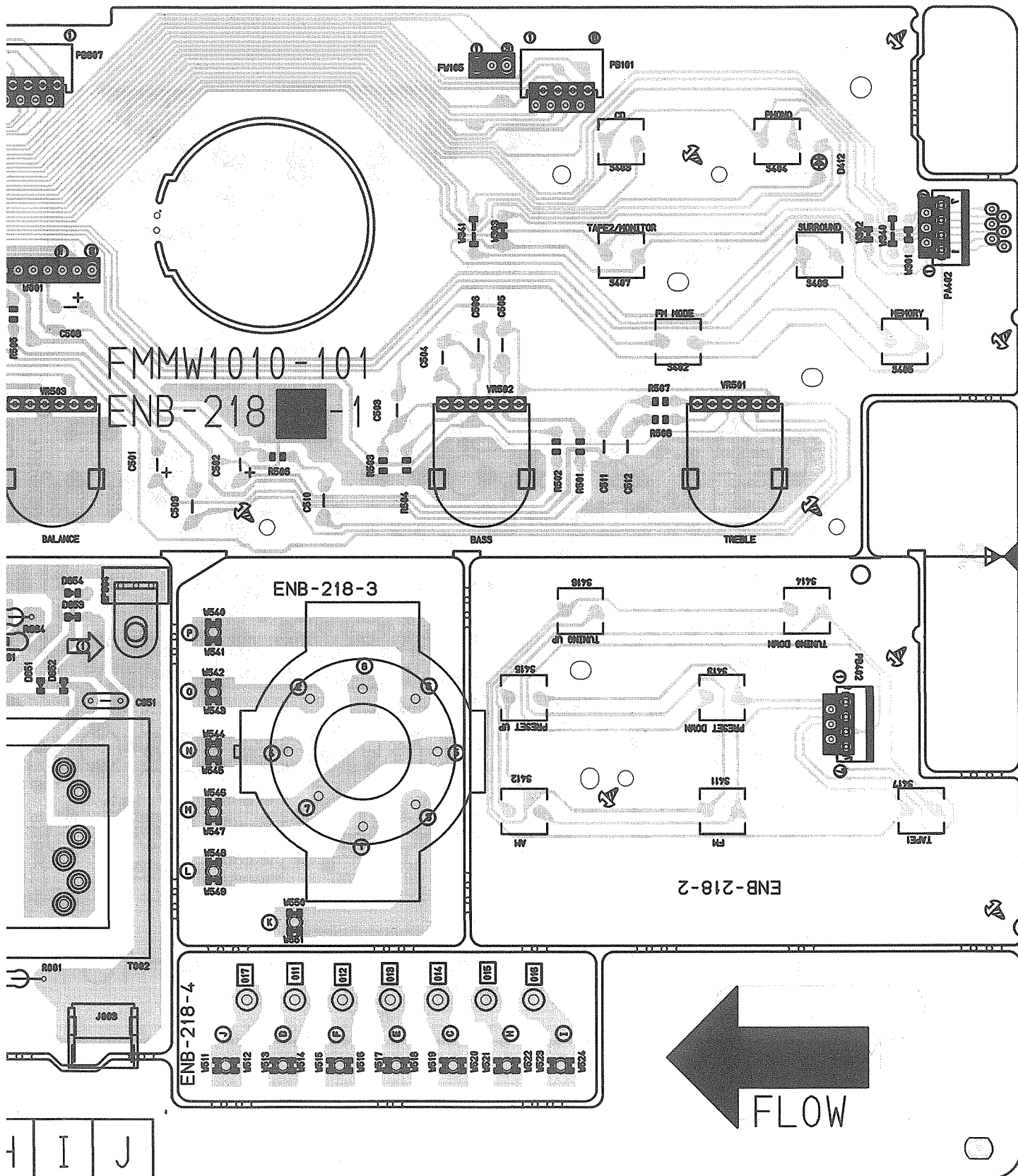




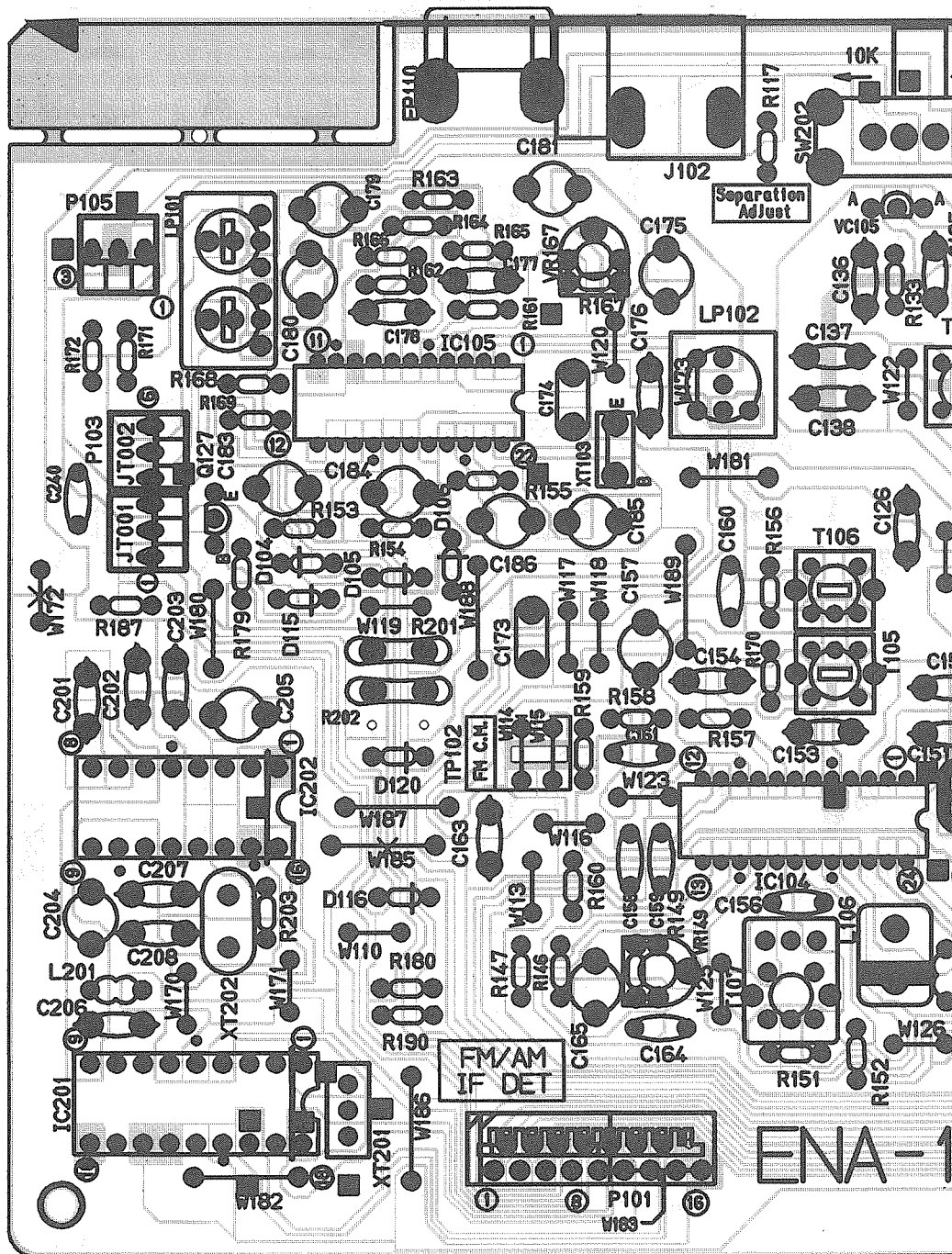
■ Front P.C. Board (ENB-218)

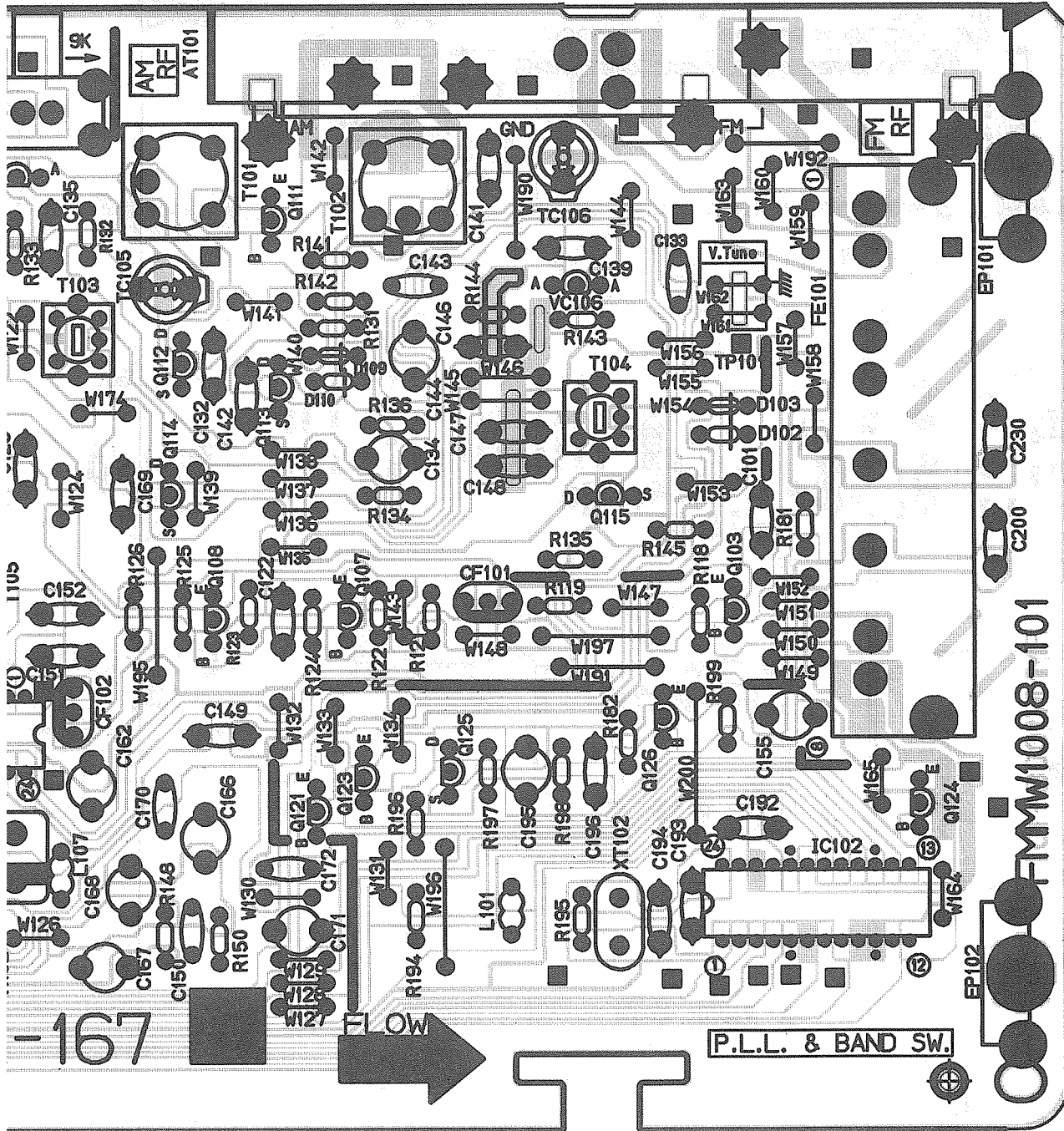






■ Tuner P.C. Board (ENA-167)







# PARTS LIST

**Note : All printed circuit board assemblies are not available as service parts.**

## Contents

General Exploded View and Parts List .....	2-3
Electrical Parts List .....	2-5
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■ ENF-072 S.E.A. P.C. Board ass'y .....	2-7
■ ENB-218 Front P.C. Board ass'y .....	2-8
■ ENA-167 Tuner P.C. Board ass'y .....	2-9
Accessories List .....	2-10
Packing Materials and Part Numbers .....	2-11

RX-R73TN

**-- MEMO --**










RX-R73TN

■ Parts List

Symbol No. 

M	1	M	M
---	---	---	---

⚠	Item	Part Number	Part Name	Q'ty	Description	Area
	1	EFP-RXR73TNJ(S)	PANEL ASS'Y	1		
	1-1	E103072-002SM	FRONT PANEL	1		
	1-2	E308268-016SM	WINDOW SCREEN	1		
	1-3	E407322-001SM	FLOURESCENT DISPL.SCREEN	1		
	1-4	E72436-006	REMORT SCREEN	1		
	1-5	VJD5429-001	JVC MARK	2		
	2	E309465-002SM	VOLUME KNOB	1		
	3	SDSG3008M	TAPPING SCREW	7		
	4	E407321-001SM	PUSH BUTTON	3		
	5	FMKL1001-002	FRONT BRACKET	1		
	6	SDSF2608Z	SCREW	17		
	7	SBST3006Z	TAPPING SCREW	6		
	8	SBSG3008Z	TAPPING SCREW	28		
	9	E102371-005SM	CHASSIS BASE	1		
	10	E206956-001SM	SIDE BRACKET	1	LEFT	
	11	E206958-004SM	CENTER BRACKET	1		
	12	E206957-001SM	SIDE BRACKET	1	RIGHT	
	13	E68587-222SM	BRACKET PLATE	1		
	14	E206959-002SM	TRANSFORMER BRACKET	1		
	15	VKZ4001-111S	WIRE CLAMP	2		
	16	SBSG3008CC	TAPPING SCREW	11		
	17	E307874-001SM	HEAT SINK BRACKET	1		
	18	E307874-002SM	HEAT SINK BRACKET	1		
	19	FMMH3002-001	HEAT SINK	1		
	20	2SD2155LB(R,O)	SI.TRANSISTOR	2	Q769,Q770	
	21	2SB1429LB(R,O)	SI.TRANSISTOR	2	Q771,Q772	
	22	2SD2061F(E,F)	SI.TRANSISTOR	2	Q803,Q804	
	23	2SB1187F(E,F)	SI.TRANSISTOR	1	Q805	
	24	E73525-003	SCREW	7		
	25	E208619-00001	METAL COVER	1		
	26	E61660-004	SPECIAL SCREW	4	METAL COVER	
	27	SBSG3008M	TAPPING SCREW	12		
⚠	28	FMTP1200-01JBJ	POWER TRANSFORMER	1		
	29	E65389-002	SPECIAL SCREW	4	POWER TRANSFORMER	
⚠	30	QMF0007-5R0J1	FUSE	1		
	31	E69589-008	SPACER	1		
	32	QHW4110-001	WIRE CLAMP	1		
	33	E208620-001SM	REAR PANEL	1		
	34	E65507-001	CAUTION LABEL	1		C
		E67199-001	CAUTION LABEL	1		J
⚠	35	QHS3876-162	CORD STOPPER	1		
⚠	36	QMP1D00-200H	POWER CORD	1		
	37	SBST3006M	TAPPING SCREW	1		
	38	E73562-003	SPECIAL SCREW	1		
	39	E47227-020	FOOT	4		
	40	SBST3008Z	TAPPING SCREW	4	FOOT	
	41	FMWF1208-23TTA	FLAT WIRE ASSY	1		
	42	FMWF1212-35TTB	FLAT WIRE ASSY	1		
	43	FMWH0001-001	FLAT WIRE ASSY	1		
	44	E70115-002	CAUTION LABEL	1		C


	Item	Part Number	Part Name	Q'ty	Description	Area
	44	E70281-001	CAUTION LABEL	1	POWER	J
	45	FMJK4005-001	INDICATOR LENS	1		
	46	FMXP4004-004	POWER BUTTON	1		
	47	FMXL4006-002	BALANCE KNOB	1		
	48	FMJK4004-001	INDICATOR LENS	1		
	49	FMXP2001-002	PUSH BUTTON	1	TUNER	C
	50	FMXP3007-002	PUSH BUTTON	1		
	-	E408632-002	CSA LABEL	1		

The Marks for Designated Areas

J ..... the U.S.A.

C ..... Canada

No mark indicates all area.

 : Safety parts



# Electrical Parts List

## ■ ENH-269 Amplifier P.C. Board Ass'y

### TRANSISTORS

Δ	ITEM	PART NUMBER	DESCRIPTION	AREA
	Q331	BA1L4M	DIGITAL TRA NEC	
	Q332	2SD655(E,F)	SI.TRANSIST HITACHI	
	Q333	2SD2144S(VW)	SI.TRANSIST ROHM	
	Q334	2SD2144S(VW)	SI.TRANSIST ROHM	
	Q335	DTA144ES	DIGITAL TRA ROHM	
	Q701	2SC1775AV(F1)	SI.TRANSIST HITACHI	
	Q702	2SC1775AV(F1)	SI.TRANSIST HITACHI	
	Q703	2SC1775AV(F1)	SI.TRANSIST HITACHI	
	Q704	2SC1775AV(F1)	SI.TRANSIST HITACHI	
	Q705	2SA1038(R,S)	SI.TRANSIST ROHM	
	Q706	2SA1038(R,S)	SI.TRANSIST ROHM	
	Q711	2SA1038(R,S)	SI.TRANSIST ROHM	
	Q712	2SA1038(R,S)	SI.TRANSIST ROHM	
	Q715	2SC2389(S,E)	SI.TRANSIST ROHM	
	Q716	2SC2389(S,E)	SI.TRANSIST ROHM	
	Q751	2SD636	SI.TRANSIST MATSUSHITA	
	Q752	2SD636	SI.TRANSIST MATSUSHITA	
	Q757	2SC945A	SI.TRANSIST NEC	
	Q758	2SC945A	SI.TRANSIST NEC	
	Q759	2SA733A(P,K)	SI.TRANSIST NEC	
	Q760	2SA733A(P,K)	SI.TRANSIST NEC	
	Q761	2SC2240(BL)	SI.TRANSIST	
	Q762	2SC2240(BL)	SI.TRANSIST	
	Q763	2SA970(GR)	SI.TRANSIST TOSHIBA	
	Q764	2SA970(GR)	SI.TRANSIST TOSHIBA	
	Q765	2SC2235(O,Y)	SI.TRANSIST TOSHIBA	
	Q766	2SC2235(O,Y)	SI.TRANSIST TOSHIBA	
	Q767	2SA965(Y)	SI.TRANSIST TOSHIBA	
	Q768	2SA965(Y)	SI.TRANSIST TOSHIBA	
	Q801	2SB1187(F,G)	SI.TRANSIST ROHM	
	Q901	2SC1775AV(F1)	SI.TRANSIST HITACHI	
	Q902	2SC1775AV(F1)	SI.TRANSIST HITACHI	
	Q903	2SA1038(R,S)	SI.TRANSIST ROHM	

### I.C.S

Δ	ITEM	PART NUMBER	DESCRIPTION	AREA
	IC301	NJM4580LD	I.C(MONO-AN DAINICHI	
	IC321	TC9164N	I.C(DIGI-MO TOSHIBA	
	IC331	BA15218N	I.C(MONO-AN ROHM	
	IC332	BA15218N	I.C(MONO-AN ROHM	
	IC901	TA7317P	I.C(MONO-AN TOSHIBA	

### DIODES

Δ	ITEM	PART NUMBER	DESCRIPTION	AREA
	D406	1SS133	SI.DIODE ROHM	
	D407	1SS133	SI.DIODE ROHM	
	D408	MTZ6.8JC	ZENER DIODE ROHM	
	D701	1SS133	SI.DIODE ROHM	
	D702	1SS133	SI.DIODE ROHM	
	D703	1SS133	SI.DIODE ROHM	
	D704	1SS133	SI.DIODE ROHM	
	D709	MTZ18JC	ZENER DIODE ROHM	
	D751	1SS133	SI.DIODE ROHM	
	D752	1SS133	SI.DIODE ROHM	
	D753	1SS133	SI.DIODE ROHM	
	D754	1SS133	SI.DIODE ROHM	
Δ	D801	30D2FC	GE.DIODE NIHONINTER	
Δ	D802	30D2FC	GE.DIODE NIHONINTER	
Δ	D803	30D2FC	GE.DIODE NIHONINTER	
Δ	D804	30D2FC	GE.DIODE NIHONINTER	
	D805	1SS133	SI.DIODE ROHM	
	D806	MTZ16JC	ZENER DIODE ROHM	
	D809	1SS133	SI.DIODE ROHM	
	D810	MTZ16JC	ZENER DIODE ROHM	
	D811	1SS133	SI.DIODE ROHM	
	D812	MTZ7.5JC	ZENER DIODE ROHM	
	D814	MTZ5.1JC	ZENER DIODE ROHM	
	D816	MTZ20JC	ZENER DIODE ROHM	
	D820	1SS133	SI.DIODE ROHM	
	D830	MTZ3.3JB	ZENER DIODE ROHM	
	D831	1SS133	SI.DIODE ROHM	
	D901	1SS133	SI.DIODE ROHM	
	D902	1SS133	SI.DIODE ROHM	
	D903	1SS133	SI.DIODE ROHM	
	D904	1SS133	SI.DIODE ROHM	

### CAPACITORS

Δ	ITEM	PART NUMBER	DESCRIPTION	AREA
	C301	QETB1HM-475E	4.7MF 50V E.CAPACITO	
	C302	QETB1HM-475E	4.7MF 50V E.CAPACITO	
	C303	QCBB1HK-101Y	100PF 50V CER.CAPACI	
	C304	QCBB1HK-101Y	100PF 50V CER.CAPACI	
	C305	QCY31HK-182Z	1800PF 50V CER.CAPACI	
	C306	QCY31HK-182Z	1800PF 50V CER.CAPACI	
	C307	QCY31HK-682Z	6800PF 50V CER.CAPACI	
	C308	QCY31HK-682Z	6800PF 50V CER.CAPACI	
	C309	QCBB1HK-101Y	100PF 50V CER.CAPACI	
	C310	QCBB1HK-101Y	100PF 50V CER.CAPACI	
	C311	QETB1HM-475E	4.7MF 50V E.CAPACITO	
	C312	QETB1HM-475E	4.7MF 50V E.CAPACITO	
	C313	QETB1AM-107	100MF 10V AL E.CAPAC	
	C314	QETB1AM-107	100MF 10V AL E.CAPAC	
	C315	QETB1CM-476	47MF 16V AL E.CAPAC	
	C316	QETB1CM-476	47MF 16V AL E.CAPAC	
	C317	QCF21HP-223A	0.022MF 50V CER.CAPACI	
	C318	QCF21HP-223A	0.022MF 50V CER.CAPACI	
	C319	QFV81HJ-154	0.15MF 50V THIN FILM	
	C321	QETB1EM-226N	22MF 25V E.CAPACITO	
	C322	QETB1EM-226N	22MF 25V E.CAPACITO	
	C336	QETB1CM-226	22MF 16V E.CAPACITO	
	C337	QCS21HJ-100	10PF 50V CER.CAPACI	
	C338	QCS21HJ-100	10PF 50V CER.CAPACI	
	C339	QETB1HM-475E	4.7MF 50V E.CAPACITO	
	C340	QETB1HM-475E	4.7MF 50V E.CAPACITO	
	C341	QCS31HJ-330Z	33PF 50V CER.CAPACI	
	C343	QETB1HM-475E	4.7MF 50V E.CAPACITO	
	C344	QETB1HM-105	1MF 50V AL E.CAPAC	
	C345	QFLB1HJ-392	3900PF 50V MYLAR CAPA	
	C346	QCS21HJ-100	10PF 50V CER.CAPACI	
	C347	QETB1EM-226N	22MF 25V E.CAPACITO	
	C361	QCF21HP-223A	0.022MF 50V CER.CAPACI	
	C362	QCF21HP-223A	0.022MF 50V CER.CAPACI	
	C367	QETB1HM-475E	4.7MF 50V E.CAPACITO	
	C368	QETB1HM-475E	4.7MF 50V E.CAPACITO	
	C701	QETB1HM-106	10MF 50V E.CAPACITO	
	C702	QETB1HM-106	10MF 50V E.CAPACITO	
	C703	QETB1EM-476	47MF 25V AL E.CAPAC	
	C704	QETB1EM-476	47MF 25V AL E.CAPAC	
	C705	QCS21HJ-101A	100PF 50V CER.CAPACI	
	C706	QCS21HJ-101A	100PF 50V CER.CAPACI	
	C709	QCS21HJ-100	10PF 50V CER.CAPACI	
	C710	QCS21HJ-100	10PF 50V CER.CAPACI	
	C711	QCS21HJ-101A	100PF 50V CER.CAPACI	
	C712	QCS21HJ-101A	100PF 50V CER.CAPACI	
	C713	QFLB1HJ-152	1500PF 50V MYLAR CAPA	
	C714	QFLB1HJ-152	1500PF 50V MYLAR CAPA	
	C719	QETB2AM-476	47MF 100V AL E.CAPAC	
	C720	QETB2AM-476	47MF 100V AL E.CAPAC	
	C721	QCS22HJ-220	22PF 500V CER.CAPACI	
	C722	QCS22HJ-220	22PF 500V CER.CAPACI	
	C723	QCS21HJ-680A	68PF 50V CER.CAPACI	
	C724	QCS21HJ-680A	68PF 50V CER.CAPACI	
	C725	QCS21HJ-680A	68PF 50V CER.CAPACI	
	C726	QCS21HJ-680A	68PF 50V CER.CAPACI	
	C727	QFLB1HJ-473	0.047MF 50V MYLAR CAPA	
	C728	QFLB1HJ-473	0.047MF 50V MYLAR CAPA	
	C730	QETB1EM-476	47MF 25V AL E.CAPAC	
	C751	QCS22HJ-470A	47PF 500V CER.CAPACI	
	C752	QCS22HJ-470A	47PF 500V CER.CAPACI	
	C753	QCS22HJ-470A	47PF 500V CER.CAPACI	
	C754	QCS22HJ-470A	47PF 500V CER.CAPACI	
	C755	QFLB1HJ-223	0.022MF 50V MYLAR CAPA	J
	C756	QFLB1HJ-473	0.047MF 50V MYLAR CAPA	C
	C757	QFLB1HJ-473	0.047MF 50V MYLAR CAPA	J
	C758	QFLB1HJ-473	0.047MF 50V MYLAR CAPA	C
	C759	QFLB1HJ-473	0.047MF 50V MYLAR CAPA	C
	C761	QCF21HP-473A	0.047MF 50V CER.CAPACI	
	C762	QCF21HP-473A	0.047MF 50V CER.CAPACI	
	C763	QCF21HP-473A	0.047MF 50V CER.CAPACI	
	C764	QCF21HP-473A	0.047MF 50V CER.CAPACI	
	C801	FMEW7501-688E	E.CAPACITO	
	C802	FMEW7501-688E	E.CAPACITO	
	C803	QCE22HP-103A	0.01MF 500V CER.CAPACI	
	C804	QCE22HP-103A	0.01MF 500V CER.CAPACI	
	C805	QCE22HP-103A	0.01MF 500V CER.CAPACI	
	C811	QCF21HP-472	4700PF 50V CER.CAPACI	
	C812	QETB1HM-107	100MF 50V E.CAPACITO	
	C816	QCF21HP-472	4700PF 50V CER.CAPACI	
	C817	QETB1EM-107	100MF 25V AL E.CAPAC	
	C818	QETB1HM-476	47MF 50V E.CAPACITO	
	C819	QETB1HM-107	100MF 50V E.CAPACITO	
	C820	QCF21HP-472	4700PF 50V CER.CAPACI	
	C821	QETB1EM-107	100MF 25V AL E.CAPAC	
	C822	QCF21HP-472	4700PF 50V CER.CAPACI	
	C823	QETB1EM-107	100MF 25V AL E.CAPAC	
	C831	QFLB1HJ-223	0.022MF 50V MYLAR CAPA	J
	C832	QFLB1HJ-223	0.022MF 50V MYLAR CAPA	J

Δ : SAFETY PARTS

CAPACITORS

Δ	ITEM	PART NUMBER	DESCRIPTION	AREA
	C901	QCF21HP-223A	0.022MF 50V CER.CAPACI	
	C902	QCF21HP-223A	0.022MF 50V CER.CAPACI	
	C903	QETB1HM-226E	22MF 50V E.CAPACITO	
	C904	QFLB1HJ-223	0.022MF 50V MYLAR CAPA	
	C905	QCY31HK-102Z	1000PF 50V CER.CAPACI	
	C906	QETB1AM-476	47MF 10V E.CAPACITO	
	C909	QETB1CM-226	22MF 16V E.CAPACITO	
	C910	QETB1HM-225	2.2MF 50V AL E.CAPAC	

RESISTORS

Δ	ITEM	PART NUMBER	DESCRIPTION	AREA
	R301	QRD161J-222	2.2K 1/6W CARBON RES	
	R302	QRD161J-222	2.2K 1/6W CARBON RES	
	R303	QRD161J-473	47K 1/6W CARBON RES	
	R304	QRD161J-473	47K 1/6W CARBON RES	
	R305	QRD161J-621	620 1/6W CARBON RES	
	R306	QRD161J-621	620 1/6W CARBON RES	
	R307	QRD161J-393	39K 1/6W CARBON RES	
	R308	QRD161J-393	39K 1/6W CARBON RES	
	R309	QRD161J-474	470K 1/6W CARBON RES	
	R310	QRD161J-474	470K 1/6W CARBON RES	
	R311	QRD161J-104	100K 1/6W CARBON RES	
	R312	QRD161J-104	100K 1/6W CARBON RES	
Δ	R313	QRD14CJ-391SX	390 1/4W UNF. CARBON	
Δ	R314	QRD14CJ-391SX	390 1/4W UNF. CARBON	
Δ	R321	QRZ0077-470	47 1/4W FUSIBLE RE	
Δ	R322	QRZ0077-470	47 1/4W FUSIBLE RE	
	R329	QRD167J-152	1.5K 1/6W CARBON RES	
	R330	QRD167J-152	1.5K 1/6W CARBON RES	
	R331	QRD161J-103	10K 1/6W CARBON RES	
	R332	QRD161J-103	10K 1/6W CARBON RES	
	R335	QRD161J-303V	30K 1/6W CARBON RES	
	R336	QRD161J-333	33K 1/6W CARBON RES	
	R337	QRD161J-273	27K 1/6W CARBON RES	
	R338	QRD161J-474	470K 1/6W CARBON RES	
	R339	QRD161J-303V	30K 1/6W CARBON RES	
	P341	QRD161J-303V	30K 1/6W CARBON RES	
	R342	QRD167J-334	330K 1/6W CARBON RES	
	R344	QRD167J-334	330K 1/6W CARBON RES	
	R345	QRD161J-273	27K 1/6W CARBON RES	
	R346	QRD161J-303V	30K 1/6W CARBON RES	
	R347	QRD161J-273	27K 1/6W CARBON RES	
	R348	QRD167J-334	330K 1/6W CARBON RES	
	R349	QRD167J-682	6.8K 1/6W CARBON RES	
	R350	QRD167J-334	330K 1/6W CARBON RES	
	R351	QRD167J-332	3.3K 1/6W CARBON RES	
	R354	QRD161J-473	47K 1/6W CARBON RES	
	R355	QRD161J-104	100K 1/6W CARBON RES	
	R356	QRD161J-104	100K 1/6W CARBON RES	
	R359	QRD161J-564	560K 1/6W CARBON RES	
Δ	R361	QRZ0077-680	68 1/4W FUSIBLE RE	
Δ	R362	QRZ0077-680	68 1/4W FUSIBLE RE	
	R381	QRD161J-471	470 1/6W CARBON RES	
	R382	QRD161J-471	470 1/6W CARBON RES	
	R383	QRD161J-471	470 1/6W CARBON RES	
	R384	QRD161J-471	470 1/6W CARBON RES	
	R385	QRD161J-471	470 1/6W CARBON RES	
	R386	QRD161J-471	470 1/6W CARBON RES	
	R387	QRD161J-471	470 1/6W CARBON RES	
	R388	QRD161J-471	470 1/6W CARBON RES	
	R389	QRD161J-471	470 1/6W CARBON RES	
	R390	QRD161J-471	470 1/6W CARBON RES	
	R391	QRD161J-105	1M 1/6W CARBON RES	
	R392	QRD161J-105	1M 1/6W CARBON RES	
	R393	QRD161J-103	10K 1/6W CARBON RES	
	R394	QRD161J-103	10K 1/6W CARBON RES	
	R405	QRD161J-512	5.1K 1/6W CARBON RES	
	R406	QRD161J-512	5.1K 1/6W CARBON RES	
	R408	QRD161J-103	10K 1/6W CARBON RES	
	R409	QRD161J-103	10K 1/6W CARBON RES	
	R410	QRD161J-221	220 1/6W CARBON RES	
	R411	QRD161J-103	10K 1/6W CARBON RES	
	R701	QRD161J-222	2.2K 1/6W CARBON RES	
	R702	QRD161J-222	2.2K 1/6W CARBON RES	
	R703	QRD161J-104	100K 1/6W CARBON RES	
	R704	QRD161J-104	100K 1/6W CARBON RES	
	R705	QRD167J-822	8.2K 1/6W CARBON RES	
	R706	QRD167J-822	8.2K 1/6W CARBON RES	
	R707	QRD161J-101	100 1/6W CARBON RES	
	R708	QRD161J-101	100 1/6W CARBON RES	
	R711	QRD161J-202	2K 1/6W CARBON RES	
	R712	QRD161J-202	2K 1/6W CARBON RES	
	R713	QRD161J-202	2K 1/6W CARBON RES	
	R714	QRD161J-202	2K 1/6W CARBON RES	
	R715	QRD14CJ-151SX	150 1/4W UNF. CARBON	
	R716	QRD14CJ-151SX	150 1/4W UNF. CARBON	
	R719	QRD12CJ-153SX	15K 1/2W UNF. CARBON	
	R720	QRD12CJ-153SX	15K 1/2W UNF. CARBON	
	R721	QRD161J-391	390 1/6W CARBON RES	
	R722	QRD161J-391	390 1/6W CARBON RES	
	R723	QRD167J-152	1.5K 1/6W CARBON RES	

RESISTORS

Δ	ITEM	PART NUMBER	DESCRIPTION	AREA
	R724	QRD167J-152	1.5K 1/6W CARBON RES	
	R727	QRD161J-391	390 1/6W CARBON RES	
	R728	QRD161J-391	390 1/6W CARBON RES	
	R729	QRD14CJ-680SX	68 1/4W UNF. CARBON	
Δ	R730	QRD14CJ-680SX	68 1/4W UNF. CARBON	
Δ	R731	QRD14CJ-100SX	10 1/4W UNF. CARBON	
Δ	R732	QRD14CJ-100SX	10 1/4W UNF. CARBON	
	R733	QRD161J-133Y	13K 1/6W CARBON RES	
	R734	QRD161J-133Y	13K 1/6W CARBON RES	
	R735	QRD161J-561	560 1/6W CARBON RES	
	R736	QRD161J-561	560 1/6W CARBON RES	
	R737	QRD161J-823	82K 1/6W CARBON RES	
	R738	QRD161J-823	82K 1/6W CARBON RES	
	R741	QRD167J-431	430 1/6W CARBON RES	
	R742	QRD167J-431	430 1/6W CARBON RES	
Δ	R749	QRD14CJ-100SX	10 1/4W UNF. CARBON	
Δ	R750	QRD14CJ-100SX	10 1/4W UNF. CARBON	
	R751	QVPA601-501A	500 TRIMMER RE	
	R752	QVPA601-501A	500 TRIMMER RE	
	R755	QRD167J-152	1.5K 1/6W CARBON RES	
	R756	QRD167J-152	1.5K 1/6W CARBON RES	
Δ	R759	QRD14CJ-100SX	10 1/4W UNF. CARBON	
Δ	R760	QRD14CJ-100SX	10 1/4W UNF. CARBON	
Δ	R761	QRD14CJ-100SX	10 1/4W UNF. CARBON	
Δ	R762	QRD14CJ-100SX	10 1/4W UNF. CARBON	
	R767	QRD167J-560	56 1/6W CARBON RES	
	R768	QRD167J-560	56 1/6W CARBON RES	
	R769	QRD167J-560	56 1/6W CARBON RES	
	R770	QRD167J-560	56 1/6W CARBON RES	
	R771	QRD167J-360	36 1/6W CARBON RES	
	R772	QRD167J-360	36 1/6W CARBON RES	
	R773	QRD167J-360	36 1/6W CARBON RES	
	R774	QRD167J-360	36 1/6W CARBON RES	
	R775	ERT-D2WFL351S	350 1/4W NEGATIVE T	
	R776	ERT-D2WFL351S	350 1/4W NEGATIVE T	
	R777	ERT-D2WFL351S	350 1/4W NEGATIVE T	
	R778	ERT-D2WFL351S	350 1/4W NEGATIVE T	
	R781	QRD167J-562	5.6K 1/6W CARBON RES	
Δ	R783	QRD14CJ-272S	2.7K 1/4W UNF. CARBON	
Δ	R784	QRD14CJ-272S	2.7K 1/4W UNF. CARBON	
Δ	R785	QRD14CJ-271S	270 1/4W UNF. CARBON	
Δ	R786	QRD14CJ-271S	270 1/4W UNF. CARBON	
Δ	R787	ERF032K-R22	0.22 3W CEM. RESIST	
Δ	R788	ERF032K-R22	0.22 3W CEM. RESIST	
Δ	R789	QRD14CJ-120SX	12 1/4W UNF. CARBON	
Δ	R789	QRZ0077-100	10 1/4W FUSIBLE RE	J
Δ	R790	QRD14CJ-120SX	12 1/4W UNF. CARBON	C
Δ	R790	QRZ0077-100	10 1/4W FUSIBLE RE	J
Δ	R791	QRD14CJ-120SX	12 1/4W UNF. CARBON	C
Δ	R791	QRZ0077-100	10 1/4W FUSIBLE RE	C
Δ	R792	QRD14CJ-120SX	12 1/4W UNF. CARBON	J
Δ	R792	QRZ0077-100	10 1/4W FUSIBLE RE	C
Δ	R793	QRD125J-330	33 1/2W UNF. CARBON	
Δ	R794	QRD125J-330	33 1/2W UNF. CARBON	
	R795	QRG022J-100GJ7	10 2W OXIDE META	
	R796	QRG022J-100GJ7	10 2W OXIDE META	
	R802	QRG022J-821GJ7	820 2W OXIDE META	
	R803	QRG022J-102GJ7	1K 2W OXIDE META	
	R804	QRG012J-562A	5.6K 1W OXIDE META	
	R805	QRG012J-472A	4.7K 1W OXIDE META	
	R806	QRD14CJ-121SX	120 1/4W UNF. CARBON	J
	R806	QRZ0077-121X	120 1/4W FUSIBLE RE	C
	R808	QRG022J-561GJ7	560 2W OXIDE META	
	R809	QRG022J-561GJ7	560 2W OXIDE META	
	R810	QRG022J-561GJ7	560 2W OXIDE META	
Δ	R811	QRD12CJ-822S	8.2K 1/2W NETWORK RE	
	R812	QRD125J-180	18 1/2W UNF. CARBON	
	R817	QRG022J-101AM	100 2W OXIDE META	
	R820	QRG012J-822A	8.2K 1W OXIDE META	
	R821	QRX022J-2R2GJ7	2.2 2W OXIDE META	
	R822	QRX022J-2R2GJ7	2.2 2W OXIDE META	
Δ	R830	QRG012J-102A	1K 1W OXIDE META	
	R841	QRD161J-104	100K 1/6W CARBON RES	
	R842	QRD161J-104	100K 1/6W CARBON RES	
Δ	R843	QRD12CJ-2R2SX	2.2 1/2W CARBON RES	
Δ	R844	QRD12CJ-2R2SX	2.2 1/2W CARBON RES	
	P901	QRD161J-681	680 1/6W CARBON RES	
	R902	QRD161J-681	680 1/6W CARBON RES	
	R903	QRD167J-562	5.6K 1/6W CARBON RES	
	R904	QRD167J-562	5.6K 1/6W CARBON RES	
	R905	QRD161J-123	12K 1/6W CARBON RES	
	R906	QRD161J-123	12K 1/6W CARBON RES	
	R907	QRD167J-152	1.5K 1/6W CARBON RES	
	R908	QRD167J-152	1.5K 1/6W CARBON RES	
	R909	QRD161J-103	10K 1/6W CARBON RES	
	R911	QRD167J-332	3.3K 1/6W CARBON RES	
	R912	QRD161J-473	47K 1/6W CARBON RES	
	R913	QRD161J-104	100K 1/6W CARBON RES	
	R914	QRD161J-823	82K 1/6W CARBON RES	
	R915	QRD161J-473	47K 1/6W CARBON RES	
	R916	QRD161J-563	56K 1/6W CARBON RES	
	R917	QRD161J-683	68K 1/6W CARBON RES	
	R918	QRD161J-392	3.9K 1/6W CARBON RES	
	R921	QRD161J-224	220K 1/6W CARBON RES	
	R922	QRD161J-182	1.8K 1/6W CARBON RES	

Δ SAFETY PARTS.

**RESISTORS**

Δ	ITEM	PART NUMBER	DESCRIPTION			AREA
	R924	QRG022J-182GJ7	1.8K	2W	OXIDE META	
	R925	QRD167J-121	120	1/6W	CARBON RES	
	R926	QRD167J-151	150	1/6W	CARBON RES	
Δ	R931	QRD14CJ-330SX	33	1/4W	UNF. CARBON	
	R935	QRD167J-562	5.6K	1/6W	CARBON RES	
	R936	QRD167J-822	8.2K	1/6W	CARBON RES	
	R937	QRD161J-103	10K	1/6W	CARBON RES	
Δ	R941	QRG012J-471A	470	1W	OXIDE META	
Δ	R942	QRG012J-471A	470	1W	OXIDE META	

**OTHERS**

Δ	ITEM	PART NUMBER	DESCRIPTION			AREA
		FMMW1009-101	PRINTED BDA			
	J301	EMN00TV-423AJ2	PIN JACK			
	J302	EMN00TV-421AJ2	PIN JACK			
	J303	EMN00TV-421AJ2	PIN JACK			
	J901	QMS6022-V01	MICROPHONE			
	L331	EQL4007-220	INDUCTOR			
	L751	EQL0121-1R2J1	INDUCTOR			
	L752	EQL0121-1R2J1	INDUCTOR			
	P501	EMV7122-005	MALE CONNEC			
	P502	EMV7122-103	CONNECT TER			
	P702	EMV7122-103	CONNECT TER			
	S301	QST4101-E15	PUSH SWITCH			
	S900	QST4241-E05J2	PUSH SWITCH			
	EP801	EMZ4002-001Z	EARTH PLATE			
	EP802	EMZ4002-001Z	EARTH PLATE			
	FW103	EWR360-25LS	FLAT WIRE A			
	FW801	EWR360-45SS	FLAT WIRE A			
	FW903	EWR360-35SS	FLAT WIRE A			
	PA703	EMV7163-012	CONNECT TER			
	PA807	VMC0163-012	CONNECT TER			
	RY901	ESK7024-2120	RELAY			
	ST901	FMMJ4002-001	SPEAKER TER			

**■ ENF-072 S.E.A. P.C. Board ass'y**

**I.C.S**

Δ	ITEM	PART NUMBER	DESCRIPTION			AREA
	IC501	LA3600S	I.C.(MONO-AN SANYO			
	IC502	LA3600S	I.C.(MONO-AN SANYO			

**DIODES**

Δ	ITEM	PART NUMBER	DESCRIPTION			AREA
	D501	MTZ7.5JC	ZENER DIODE ROHM			
	D502	MTZ7.5JC	ZENER DIODE ROHM			

**CAPACITORS**

Δ	ITEM	PART NUMBER	DESCRIPTION			AREA
	C501	QETB1HM-225	2.2MF	50V	AL E.CAPAC	
	C502	QETB1HM-225	2.2MF	50V	AL E.CAPAC	
	C503	QFVB1HJ-273	0.027MF	50V	THIN FILM	
	C504	QFVB1HJ-273	0.027MF	50V	THIN FILM	
	C505	QETB1HM-474	0.47MF	50V	E.CAPACITO	
	C506	QETB1HM-474	0.47MF	50V	E.CAPACITO	
	C507	QFLB1HJ-822	8200PF	50V	MYLAR CAPA	
	C508	QFLB1HJ-822	8200PF	50V	MYLAR CAPA	
	C511	QFV71HJ-124ZM	0.12MF	50V	THIN FILM	
	C512	QFV71HJ-124ZM	0.12MF	50V	THIN FILM	
	C513	QFLB1HJ-222	2200PF	50V	MYLAR CAPA	
	C514	QFLB1HJ-222	2200PF	50V	MYLAR CAPA	
	C515	QFVB1HJ-333	0.033MF	50V	THIN FILM	
	C516	QFVB1HJ-333	0.033MF	50V	THIN FILM	
	C517	QCS31HJ-471Z	470PF	50V	CER.CAPACI	
	C518	QCS31HJ-471Z	470PF	50V	CER.CAPACI	
	C519	QFLB1HJ-822	8200PF	50V	MYLAR CAPA	
	C520	QFLB1HJ-822	8200PF	50V	MYLAR CAPA	
	C521	QCS21HJ-121	120PF	50V	CER.CAPACI	
	C522	QCS21HJ-121	120PF	50V	CER.CAPACI	
	C523	QCS21HJ-101A	100PF	50V	CER.CAPACI	
	C524	QCS21HJ-101A	100PF	50V	CER.CAPACI	
	C525	QCS31HJ-471Z	470PF	50V	CER.CAPACI	
	C526	QCS31HJ-471Z	470PF	50V	CER.CAPACI	
	C527	QETC1CM-106Z	10MF	16V	AL E.CAPAC	
	C528	QETC1CM-106Z	10MF	16V	AL E.CAPAC	
	C529	QETB1HM-475E	4.7MF	50V	E.CAPACITO	
	C530	QETB1HM-475E	4.7MF	50V	E.CAPACITO	
	C531	QETB1HM-475E	4.7MF	50V	E.CAPACITO	
	C532	QETB1HM-475E	4.7MF	50V	E.CAPACITO	
	C533	QETB1CM-107	100MF	16V	AL E.CAPAC	
	C534	QETB1CM-107	100MF	16V	AL E.CAPAC	

**RESISTORS**

Δ	ITEM	PART NUMBER	DESCRIPTION			AREA
	R501	QRD167J-332	3.3K	1/6W	CARBON RES	
	R502	QRD167J-332	3.3K	1/6W	CARBON RES	
	R503	QRD167J-152	1.5K	1/6W	CARBON RES	
	R504	QRD167J-152	1.5K	1/6W	CARBON RES	
	R505	QRD161J-104	100K	1/6W	CARBON RES	
	R506	QRD161J-104	100K	1/6W	CARBON RES	
	R507	QRD12CJ-271SX	270	1/2W	R.NETWORK	
	R508	QRD12CJ-271SX	270	1/2W	R.NETWORK	
	VR501	QVWA06W-E15B	100K		SLIDE VARI	
	VR502	QVWA06W-E15B	100K		SLIDE VARI	
	VR503	QVWA06W-E15B	100K		SLIDE VARI	
	VR504	QVWA06W-E15B	100K		SLIDE VARI	
	VR505	QVWA06W-E15B	100K		SLIDE VARI	
	VR506	QVWA06W-E15B	100K		SLIDE VARI	
	VR507	QVWA06W-E15B	100K		SLIDE VARI	
	VR508	QVWA06W-E15B	100K		SLIDE VARI	
	VR509	QVWA06W-E15B	100K		SLIDE VARI	
	VR510	QVWA06W-E15B	100K		SLIDE VARI	

**OTHERS**

Δ	ITEM	PART NUMBER	DESCRIPTION			AREA
		EMW10551-002A	PRINTED BDA			
		E309532-001SM	SHILED COVE			
	FW501	EWR35D-30LS	FLAT WIRE A			
	FW502	EWR33D-30LS	FLAT WIRE A			

Δ SAFETY PARTS

■ ENB-218 Front P.C. Board Ass'y

TRANSISTORS

△	ITEM	PART NUMBER	DESCRIPTION	AREA
	Q361	2SD2144S(VW)	SI.TRANSIST ROHM	
	Q362	2SD2144S(VW)	SI.TRANSIST ROHM	
	Q461	2SC1740S(R,S)	SI.TRANSIST ROHM	
	Q462	2SC1740S(R,S)	SI.TRANSIST ROHM	
	Q492	DTC114YS	DIGITAL TRA ROHM	
	Q852	2SC2235(O,Y)	SI.TRANSIST TOSHIBA	
	Q853	BA1L3Z	DIGITAL TRA NEC	

I.C.S

△	ITEM	PART NUMBER	DESCRIPTION	AREA
	IC361	LB1639-CV	I.C(DIGI-OT SANYO	
	IC401	MN171202JYY	I.C(MICRO-C MATSUSHITA	
	IC402	NJH32H380A	I.C(M) DAINICHI	
	IC491	PST600E-T	I.C(MONO-AN	

DIODES

△	ITEM	PART NUMBER	DESCRIPTION	AREA
	D411	SLR-54VCS0F124	L.E.D. ROHM	
	D412	SLR-34DC50F124	L.E.D. ROHM	
	D429	1SS133	SI.DIODE ROHM	
	D461	1SS133	SI.DIODE ROHM	
	D491	1SS133	SI.DIODE ROHM	
	D493	1SS133	SI.DIODE ROHM	
	D494	1SS133	SI.DIODE ROHM	
	D851	1SR35-200A	SI.DIODE ROHM	
	D852	1SR35-200A	SI.DIODE ROHM	
	D853	1SR35-200A	SI.DIODE ROHM	
	D854	1SR35-200A	SI.DIODE ROHM	
	D857	MT16.2JC	ZENER DIODE ROHM	
	D858	1SS133	SI.DIODE ROHM	

CAPACITORS

△	ITEM	PART NUMBER	DESCRIPTION	AREA
	C001	QCZ9019-472	4700PF C.CAPACITO	
	C361	QCY21HK-331	330PF 50V CER.CAPACI	
	C362	QCY21HK-331	330PF 50V CER.CAPACI	
	C363	QETB0JM-107	100MF 6.3V AL E.CAPAC	
	C364	QCF21HP-473A	0.047MF 50V CER.CAPACI	
	C365	QFLB1HJ-104	0.1MF 50V MYLAR CAPA	
	C366	QFLB1HJ-104	0.1MF 50V MYLAR CAPA	
	C401	QEK61AM-227ZM	220MF 10V AL E.CAPAC	
	C402	QCZ0202-155	1.5MF 25V CER.RESIST	
	C403	QEK51HM-475	4.7MF 50V AL E.CAPAC	
	C404	QCY31HK-102Z	1000PF 50V CER.CAPACI	
	C410	QEK51HM-105G	1MF 50V AL E.CAPAC	
	C491	QEK51HM-225G	2.2MF 50V AL E.CAPAC	
	C495	QEAD0HZ-479A	47000MF E.CAPACITO	
	C851	QFN82AJ-472	4700PF 100V MYLAR CAPA	
	C852	QETB1EM-227	220MF 25V AL E.CAPAC	
	C855	QETB1CM-476	47MF 16V AL E.CAPAC	
	C856	QCF21HP-472	4700PF 50V CER.CAPACI	

RESISTORS

△	ITEM	PART NUMBER	DESCRIPTION	AREA
	R001	QRC12BK-275EM	2.7M 1/2W COMPOSITIO	
	R363	QRD167J-682	6.8K 1/6W CARBON RES	
	R364	QRD167J-682	6.8K 1/6W CARBON RES	
	R365	QRD161J-222	2.2K 1/6W CARBON RES	
	R366	QRD161J-222	2.2K 1/6W CARBON RES	
	R367	QRD161J-202	2K 1/6W CARBON RES	
	R401	QRD161J-104	100K 1/6W CARBON RES	
	R402	QRD161J-104	100K 1/6W CARBON RES	
	R403	QRD161J-104	100K 1/6W CARBON RES	
	R404	QRD161J-104	100K 1/6W CARBON RES	
	R411	QRD161J-221	220 1/6W CARBON RES	
	R412	QRD161J-221	220 1/6W CARBON RES	
	R430	QRD161J-220	22 1/6W CARBON RES	
	R441	QRD161J-473	47K 1/6W CARBON RES	
	R443	QRD161J-473	47K 1/6W CARBON RES	
	R461	QRD161J-103	10K 1/6W CARBON RES	
	R462	QRD167J-223	22K 1/6W CARBON RES	
	R463	QRD161J-473	47K 1/6W CARBON RES	
	R464	QRD161J-471	470 1/6W CARBON RES	
	R465	QRD161J-103	10K 1/6W CARBON RES	
	R492	QRD161J-331	330 1/6W CARBON RES	
	R495	QRD161J-473	47K 1/6W CARBON RES	
	R496	QRD161J-471	470 1/6W CARBON RES	
	R861	QRD14CJ-100SX	10 1/4W UNF.CARBON	
	R863	QRV144F-8200	1/4W CONST.META	
	VR361	QVDB71B-E15BJ5	100K VARIABLE R	
	VR503	QVDA92W-E15EJ3	100K VARIABLE R	

OTHERS

△	ITEM	PART NUMBER	DESCRIPTION	AREA
		EMZ4001-001	TAB	
		FMMW1010-101	PRINTED BOA	
		QWE881-26RR	VINYL WIRE	
		QWE883-28RR	VINYL WIRE	
		VMZ0087-001Z	FUSE HOLDER	
	J004	QMCAC002-E02S	AC OUTLET	
	P805	EMV7122-103	CONNECT TER	
	S401	ESP0001-023M	TACT SWITCH	
	S402	ESP0001-023M	TACT SWITCH	
	S403	ESP0001-023M	TACT SWITCH	
	S404	ESP0001-023M	TACT SWITCH	
	S405	ESP0001-023M	TACT SWITCH	
	S406	ESP0001-023M	TACT SWITCH	
	S407	ESP0001-023M	TACT SWITCH	
	S411	ESP0001-023M	TACT SWITCH	
	S412	ESP0001-023M	TACT SWITCH	
	S413	ESP0001-023M	TACT SWITCH	
	S414	ESP0001-023M	TACT SWITCH	
	S415	ESP0001-023M	TACT SWITCH	
	S416	ESP0001-023M	TACT SWITCH	
	S417	ESP0001-023M	TACT SWITCH	
	T002	ETP1000-41JA	POWER TRASN	
	EP804	EMZ4002-001Z	EARTH PLATE	
	FH001	E308270-001	FL HOLDER	
	FH002	E308270-001	FL HOLDER	
	FL401	ELU0001-143	FLUORESCENT	
	FS001	E3400-444	FELT SPACER	
	FS002	E3400-444	FELT SPACER	
	FW702	EWR33D-30LS	FLAT WIRE A	
	FW805	EWR33D-30LS	FLAT WIRE A	
	PA402	VMC0163-R07	CONNECT TER	
	PB101	VMC0163-R08	CONNECT TER	
	PB402	VMC0163-R07	CONNECT TER	
	PB703	EMV5163-012R	CONNECT TER	
	PB807	VMC0163-R12	FEMALE CONN	
	RY001	ESK1D12-118J1	RELAY	
	XT401	ECX0060-000EM	CERAMIC RES	

△ IS SAFETY PARTS



■ ENA-167 Tuner P.C. Board Ass'y

TRANSISTORS

Δ	ITEM	PART NUMBER	DESCRIPTION	AREA
	Q103	2SC461	SI.TRANSIST	
	Q107	2SC535	SI.TRANSIST HITACHI	
	Q108	2SC461	SI.TRANSIST	
	Q112	2SK301(P,Q)	F.E.T.	
	Q123	BN1A4P	DIGITAL TRA NEC	
	Q124	BN1A4P	DIGITAL TRA NEC	
	Q125	2SK301(P,Q)	F.E.T.	
	Q126	2SC458(C,D)	SI.TRANSIST HITACHI	
	Q127	BA1L4M	DIGITAL TRA NEC	

I.C.S

Δ	ITEM	PART NUMBER	DESCRIPTION	AREA
	IC102	LC7217	I.C(DIGI-MO SANYO	
	IC104	LA1266A	I.C(MONO-AN SANYO	
	IC105	LA3401	I.C(MONO-AN SANYO	

DIODES

Δ	ITEM	PART NUMBER	DESCRIPTION	AREA
	D104	1SS133	SI.DIODE ROHM	
	D105	1SS133	SI.DIODE ROHM	
	D106	1SS133	SI.DIODE ROHM	
	D115	1SS133	SI.DIODE ROHM	
	D116	1SS133	SI.DIODE ROHM	
	D120	1SS133	SI.DIODE ROHM	
	VC105	SVC342(L)	VARI-CAPA D SANYO	

CAPACITORS

Δ	ITEM	PART NUMBER	DESCRIPTION	AREA
	C101	QCF21HP-223A	0.022MF 50V CER.CAPACI	
	C122	QCF21HP-223A	0.022MF 50V CER.CAPACI	
	C126	QCF21HP-223A	0.022MF 50V CER.CAPACI	
	C132	QCS31HJ-561Z	560PF 50V CER.CAPACI	
	C133	QCHB1EZ-223	0.022MF 25V CER.CAPACI	
	C134	QETB1EM-106	10MF 25V AL E.CAPAC	
	C135	QCC21EM-223	0.022MF 25V CER.CAPACI	
	C136	QCT25CH-180Z	18PF 50V CER.CAPACI	
	C137	QCT26CH-221	220PF 50V CER.CAPACI	
	C138	QCT26CH-241	240PF 50V CER.CAPACI	
	C149	QCF21HP-223A	0.022MF 50V CER.CAPACI	
	C150	QCHB1EZ-223	0.022MF 25V CER.CAPACI	
	C151	QCF21HP-223A	0.022MF 50V CER.CAPACI	
	C152	QCF21HP-223A	0.022MF 50V CER.CAPACI	
	C153	QCC21EM-223	0.022MF 25V CER.CAPACI	
	C154	QCF21HP-223A	0.022MF 50V CER.CAPACI	
	C155	QETB1EM-226N	22MF 25V E.CAPACITO	
	C156	QCVB1CM-103Y	0.01MF 16V CER.CAPACI	
	C157	QETB1HM-474	0.47MF 50V E.CAPACITO	
	C158	QCB1HK-101Y	100PF 50V CER.CAPACI	
	C159	QCB1HK-101Y	100PF 50V CER.CAPACI	
	C160	QCB1HK-221Y	220PF 50V CER.CAPACI	
	C161	QCHB1EZ-223	0.022MF 25V CER.CAPACI	
	C162	QETB1EM-106	10MF 25V AL E.CAPAC	
	C163	QCY31HK-332Z	3300PF 50V CER.CAPACI	
	C164	QCHB1EZ-223	0.022MF 25V CER.CAPACI	
	C165	QETB1HM-474	0.47MF 50V E.CAPACITO	
	C166	QETB1HM-225	2.2MF 50V AL E.CAPAC	
	C167	QETB1HM-225	2.2MF 50V AL E.CAPAC	
	C168	QETB1HM-475E	4.7MF 50V E.CAPACITO	
	C169	QCF21HP-223A	0.022MF 50V CER.CAPACI	
	C170	QCHB1EZ-223	0.022MF 25V CER.CAPACI	
	C171	QETB1EM-106	10MF 25V AL E.CAPAC	
	C172	QCVB1CM-103Y	0.01MF 16V CER.CAPACI	
	C173	QFLB1HJ-223	0.022MF 50V MYLAR CAPA	
	C174	QFLB1HJ-473	0.047MF 50V MYLAR CAPA	
	C175	QETB1EM-106	10MF 25V AL E.CAPAC	
	C176	QCY31HK-102Z	1000PF 50V CER.CAPACI	
	C177	QCS31HJ-561Z	560PF 50V CER.CAPACI	
	C178	QCS31HJ-561Z	560PF 50V CER.CAPACI	
	C179	QETB1HM-225	2.2MF 50V AL E.CAPAC	
	C180	QETB1HM-225	2.2MF 50V AL E.CAPAC	
	C181	QETB1EM-106	10MF 25V AL E.CAPAC	
	C183	QETB1HM-105	1MF 50V AL E.CAPAC	
	C184	QETB1HM-105	1MF 50V AL E.CAPAC	
	C185	QETB1HM-225	2.2MF 50V AL E.CAPAC	
	C186	QETB1HM-474	0.47MF 50V E.CAPACITO	
	C192	QCC21EM-473	0.047MF 25V CER.CAPACI	
	C193	QCS21HJ-180A	18PF 50V CER.CAPACI	
	C194	QCS21HJ-180A	18PF 50V CER.CAPACI	

CAPACITORS

Δ	ITEM	PART NUMBER	DESCRIPTION	AREA
	C195	QENB1HM-474	0.47MF 50V NP E.CAPAC	
	C196	QCY31HK-102Z	1000PF 50V CER.CAPACI	
	C230	QCF21HP-103A	0.01MF 50V CER.CAPACI	
	TC105	ENZ1003-006	00MF TRIMMER CA	

RESISTORS

Δ	ITEM	PART NUMBER	DESCRIPTION	AREA
	R117	QRD161J-100	10 1/6W CARBON RES	
	R118	QRD167J-332	3.3K 1/6W CARBON RES	
	R119	QRD161J-221	220 1/6W CARBON RES	
	R121	QRD161J-391	390 1/6W CARBON RES	
	R122	QRD167J-272	2.7K 1/6W CARBON RES	
	R123	QRD161J-102	1K 1/6W CARBON RES	
	R124	QRD161J-681	680 1/6W CARBON RES	
	R125	QRD167J-332	3.3K 1/6W CARBON RES	
	R126	QRD161J-221	220 1/6W CARBON RES	
	R131	QRD161J-331	330 1/6W CARBON RES	
	R132	QRD161J-103	10K 1/6W CARBON RES	
	R133	QRD161J-473	47K 1/6W CARBON RES	
	R135	QRD161J-470	47 1/6W CARBON RES	
	R136	QRD161J-103	10K 1/6W CARBON RES	
	R146	QRD167J-560	56 1/6W CARBON RES	
	R147	QRD161J-103	10K 1/6W CARBON RES	
	R148	QRD161J-103	10K 1/6W CARBON RES	
	R149	QRD161J-273	27K 1/6W CARBON RES	
	R150	QRD161J-103	10K 1/6W CARBON RES	
	R151	QRD161J-224	220K 1/6W CARBON RES	
	R152	QRD161J-103	10K 1/6W CARBON RES	
	R153	QRD161J-103	10K 1/6W CARBON RES	
	R154	QRD161J-103	10K 1/6W CARBON RES	
	R155	QRD167J-562	5.6K 1/6W CARBON RES	
	R157	QRD161J-103	10K 1/6W CARBON RES	
	R158	QRD161J-183	18K 1/6W CARBON RES	
	R159	QRD161J-561	560 1/6W CARBON RES	
	R160	QRD161J-123	12K 1/6W CARBON RES	
	R161	QRD161J-124	120K 1/6W CARBON RES	
	R162	QRD161J-124	120K 1/6W CARBON RES	
	R163	QRD167J-332	3.3K 1/6W CARBON RES	
	R164	QRD167J-332	3.3K 1/6W CARBON RES	
	R165	QRD161J-184	180K 1/6W CARBON RES	
	R166	QRD161J-184	180K 1/6W CARBON RES	
	R167	QRD161J-473	47K 1/6W CARBON RES	
	R168	QRD161J-103	10K 1/6W CARBON RES	
	R169	QRD161J-103	10K 1/6W CARBON RES	
	R170	QRD167J-822	8.2K 1/6W CARBON RES	
	R171	QRD167J-682	6.8K 1/6W CARBON RES	
	R172	QRD167J-682	6.8K 1/6W CARBON RES	
	R179	QRD167J-562	5.6K 1/6W CARBON RES	
	R180	QRD161J-472	4.7K 1/6W CARBON RES	
	R181	QRD161J-222	2.2K 1/6W CARBON RES	
	R182	QRD161J-181	180 1/6W CARBON RES	
	R187	QRD161J-101	100 1/6W CARBON RES	
	R190	QRD161J-472	4.7K 1/6W CARBON RES	
	R194	QRD161J-472	4.7K 1/6W CARBON RES	
	R195	QRD161J-473	47K 1/6W CARBON RES	
	R196	QRD161J-103	10K 1/6W CARBON RES	
	R197	QRD161J-222	2.2K 1/6W CARBON RES	
	R198	QRD167J-332	3.3K 1/6W CARBON RES	
	R199	QRD161J-472	4.7K 1/6W CARBON RES	
Δ	R201	QRD14CJ-680SX	68 1/4W UNF.CARBON	
Δ	R202	QRD14CJ-470SX	47 1/4W UNF.CARBON	

OTHERS

Δ	ITEM	PART NUMBER	DESCRIPTION	AREA
	J102	FMMW1008-101A	PRINTED BOA	
	L101	QMS3501-021	PIN JACK	
	L107	EQL4007-1R0	INDUCTOR	
	L107	EQL4007-101	INDUCTOR	
	P101	VMC0163-008	CONNECT TER	
	T101	EQR1111-014	RF COIL	
	T103	EQR1207-015	RF COIL	
	T105	EQT2140-017	I.F.TRANSFO	
	T107	ECB1560-010	CERAMIC FIL	
	AT101	EMB41YV-401K	ANTENNA TER	
	CF101	ECB2123-006R	CERAMIC FIL	
	CF102	ECB2123-006R	CERAMIC FIL	
	EP101	E65396-003	EARTH PLATE	
	EP102	E65396-003	EARTH PLATE	
	EP110	E70225-001	EARTH PLATE	
	FE101	EAF2203-004	FRONT END	
	JT001	EMV7122-103	CONNECT TER	
	JT002	EMV7122-103	CONNECT TER	
	LP101	EQF0101-002	LOWPASS FIL	
	XT102	ECX0007-200KC	CRYSTAL	
	XT103	ECX0000-456KR	CERAMIC RES	

Δ SAFETY PARTS

# Accessories List

Symbol No. 

M	2	M	M
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⚠	Item	Part Number	Part Name	Q'ty	Description	Area
	1	E30580-2327A	INSTRUCTION BOOK	1		J
		E30580-2329A	INSTRUCTION BOOK	1		C
	2	RM-SRR73U	WIRE-LESS REMOTE CONTROL	1		
	3	R6PRPA-2STSA	BATTERY	1		
	4	E03614-004	FM FEEDER ANTENNA	1		
	5	EQB4001-015	LOOP ANTENNA	1		
	6	E300196-033B	POLY BAG	1		
	-	BT-20044G	SAFETY SHEET	1		J
	-	BT-52002-1	WARRANTY CARD	1		C
	-	BT20071B	SERVICE NETWORK	1		C
	-	BT-51006-1	REGISTER CARD	1		J

**The Marks for Designated Areas**

J ..... the U.S.A.

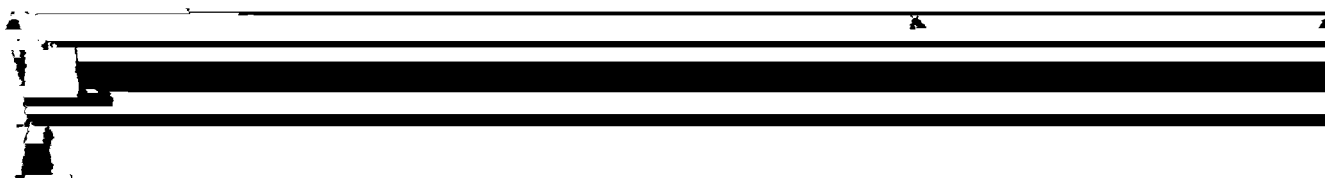
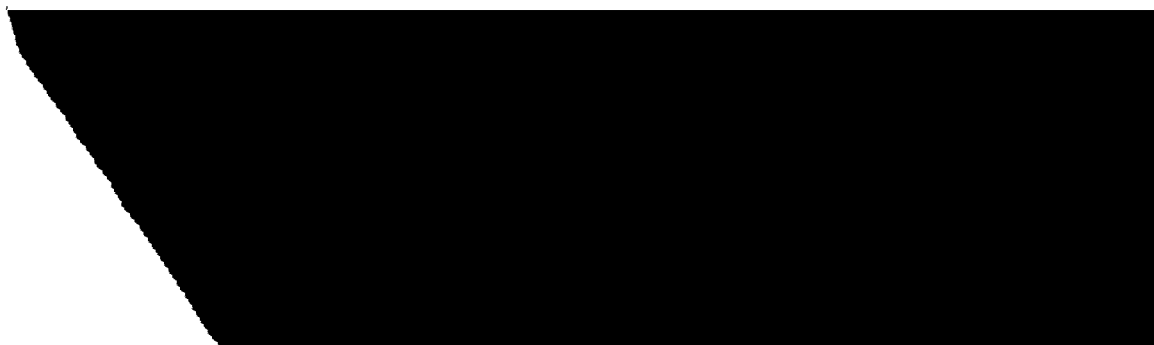
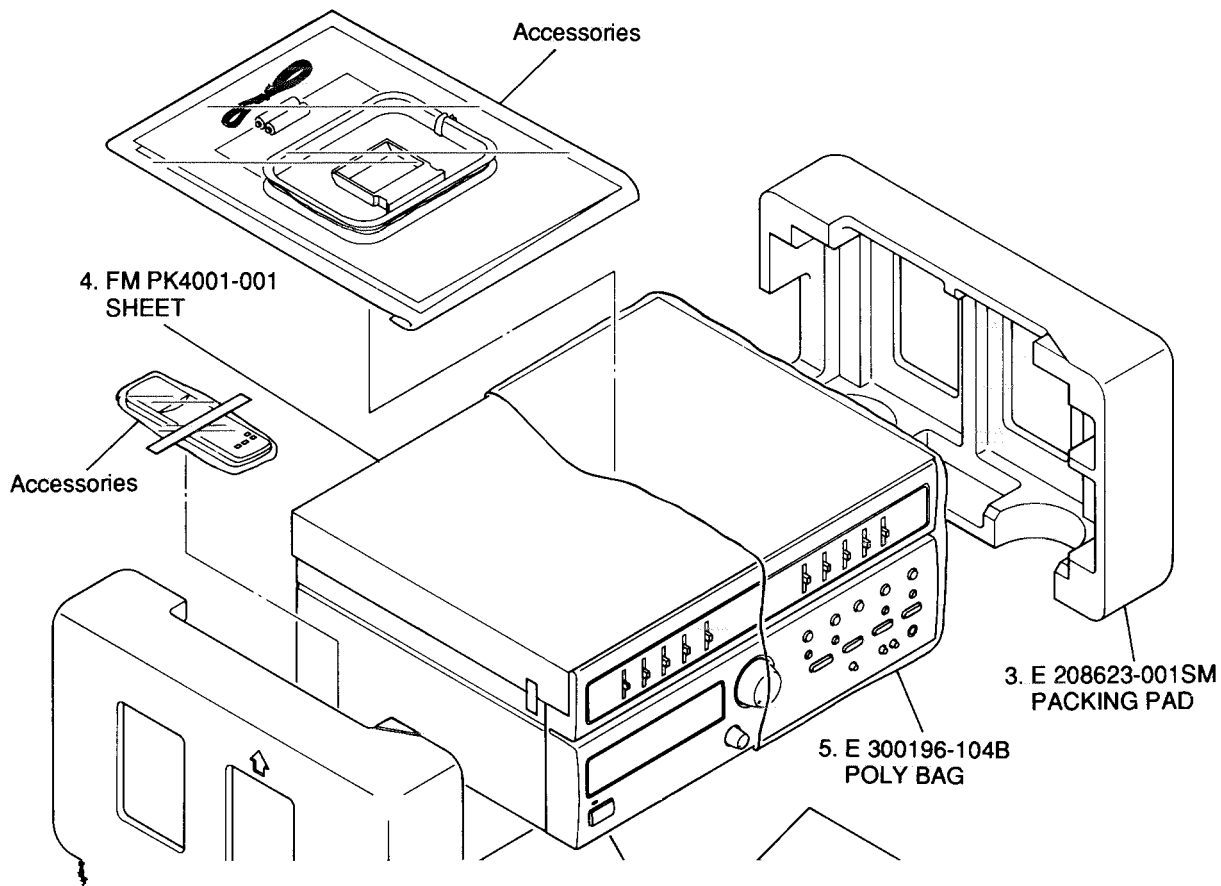
C ..... Canada

No mark indicates all area.

# Packing Materials and Part Numbers

Symbol No. 

M	3	M	M
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RX-R73TN

-- MEMO --



RX-R73TN

**JVC**

VICTOR COMPANY OF JAPAN, LIMITED

AUDIO PRODUCT DIVISION 1644, SHIMOTSURUMA, YAMATO-SHI, KANAGAWA-KEN, 242, JAPAN