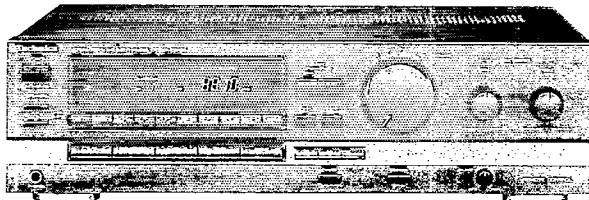


Service Manual

AV Control Stereo Receiver

Receiver

SA-GX130



Colour

(K)... Black Type

Area

| Suffix for Model No. | Area | Colour |
|----------------------|----------------|--------|
| (E) | Europe. | (K) |
| (EB) | Great Britain. | |

SPECIFICATIONS (DIN 45 500)

■ AMPLIFIER SECTION

| | |
|--|---|
| Power output | |
| DIN 1 kHz (T.H.D. 1%) | 2 × 60 W (4 Ω) |
| 40 Hz~20 kHz continuous power output both channels driven | 2 × 40 W (8 Ω) |
| Total harmonic distortion | |
| rated power at 40 Hz~20 kHz | 0.5% (8 Ω) |
| half power at 1 kHz | 0.03% (8 Ω) |
| Intermodulation distortion | |
| rated power at 60 Hz: 7 kHz=4:1, SMPTE | 0.5% (8 Ω) |
| Power bandwidth | |
| both channels driven, -3 dB | 10 Hz~40 kHz (8 Ω) |
| Damping factor | 40 (8 Ω) |
| Input sensitivity and impedance | |
| PHONO | 3 mV/47 kΩ |
| CD, VCR 1 | 200 mV/22 kΩ |
| TAPE/VCR 2 | 200 mV/22 kΩ |
| PHONO maximum input voltage (1 kHz, RMS) | 150 mV |
| S/N at rated power (8 Ω) | |
| PHONO | 70 dB (IHF, A: 80 dB) |
| CD, VCR 1 | 80 dB (IHF, A: 90 dB) |
| TAPE/VCR 2 | 80 dB (IHF, A: 90 dB) |
| Frequency response | |
| PHONO | RIAA standard curve ±0.8 dB (30 Hz~15 kHz) |
| CD, VCR 1 | 10 Hz~40 kHz (±3 dB) |
| TAPE/VCR 2 | 10 Hz~40 kHz (±3 dB) |
| Tone controls | |
| Bass | 50 Hz, +10 dB~-10 dB |
| Treble | 20 kHz, +10 dB~-10 dB |
| Loudness control (volume at -30 dB) | 50 Hz, +9 dB |
| Output voltage | |
| VCR 1 OUT | 200 mV |
| TAPE/VCR 2 REC (OUT) | 200 mV |
| Channel balance, 250 Hz~6.3 kHz | ±1 dB |
| Channel separation | 55 dB |

| | |
|--|--------------|
| Headphones output level and impedance | 430 mV/330 Ω |
| Load impedance | |
| A or B | 4 Ω~16 Ω |
| A and B | 8 Ω~16 Ω |

■ FM TUNER SECTION

| | |
|--|---------------------------|
| Frequency range | 87.50~108.00 MHz |
| Sensitivity | |
| S/N 30 dB | 1.5 μV (75 Ω) |
| S/N 26 dB | 1.3 μV (75 Ω) |
| S/N 20 dB | 1.2 μV (75 Ω) |
| IHF usable sensitivity | 1.5 μV (IHF'58, 75 Ω) |
| IHF 46 dB stereo quieting sensitivity | 22 μV/75 Ω |
| Total harmonic distortion | |
| MONO | 0.2% |
| STEREO | 0.3% |
| S/N | |
| MONO | 60 dB (75 dB, IHF) |
| STEREO | 58 dB (71 dB, IHF) |
| Frequency response | 20 Hz~15 kHz, +1 dB~-2 dB |
| Alternate channel selectivity | |
| ±400 kHz | 65 dB |
| Capture ratio | 1.0 dB |
| Image rejection at 98 MHz | 40 dB |
| IF rejection at 98 MHz | 70 dB |
| Spurious response rejection at 98 MHz | 70 dB |
| AM suppression | 50 dB |
| Stereo separation | |
| 1 kHz | 40 dB |
| Carrier leak | |
| 19 kHz | -55 dB (-60 dB, IHF) |
| 38 kHz | -50 dB (-55 dB, IHF) |
| Channel balance (250 Hz~6.3 kHz) | ±1.5 dB |
| Limiting point | 1.2 μV |
| Bandwidth | |
| IF amplifier | 180 kHz |
| FM demodulator | 1000 kHz |
| Antenna terminals | 75 Ω (unbalanced) |

Technics

AM TUNER SECTION

| | |
|--------------------------------|---------------------------------|
| Frequency range | |
| MW | 522 kHz~1611 kHz (9-kHz steps) |
| LW | 530 kHz~1620 kHz (10-kHz steps) |
| | 144 kHz~288 kHz |
| Sensitivity (S/N 20 dB) | |
| MW | 20 μV, 330 μV/m |
| LW | 45 μV |
| Selectivity (±9 kHz) | |
| MW (at 999 kHz) | 55 dB |
| LW (at 252 kHz) | 55 dB |
| Image rejection | |
| MW (at 999 kHz) | 40 dB |
| LW (at 252 kHz) | 40 dB |
| IF rejection | |
| MW (at 999 kHz) | 55 dB |
| LW (at 252 kHz) | 55 dB |

GENERAL

| | |
|-------------------------------|-----------------------------|
| Power consumption | 200 W |
| Power supply | AC 50 Hz/60 Hz, 230 V/240 V |
| Dimensions (W × H × D) | 430 × 125 × 305 mm |
| Weight | 6.5 kg |

REMOTE CONTROL TRANSMITTER

| | |
|-------------------------------------|-----------------------|
| Control keys | 32 keys |
| Dimensions (W × H × D) | 70 × 175 × 27 mm |
| Weight (including batteries) | 125 g |
| Power source | TWO "AAA" (UM-4, R03) |

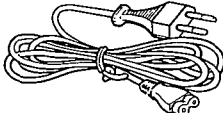
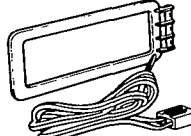
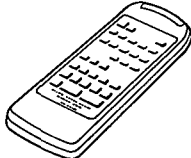
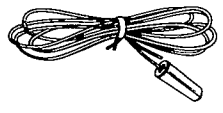


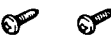

Notes:

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

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ACCESSORIES

| | | |
|--|--|--|
| <ul style="list-style-type: none"> • AC power supply cord..... 1 pc. (RJA0019-1K): (E) (SJA193): (EB)  | <ul style="list-style-type: none"> • AM loop antenna (SPB1163T)..... 1 pc.  | <ul style="list-style-type: none"> • Remote control transmitter (RAK-SA302E)..... 1 pc.  |
| <ul style="list-style-type: none"> • FM indoor antenna (RSA0007)..... 1 pc.  | <ul style="list-style-type: none"> • AM antenna holder (SMA231M)..... 1 pc.  | <ul style="list-style-type: none"> • Batteries (UM-4, "AAA", R03).. 2 pcs.  |
| | <ul style="list-style-type: none"> • Screws (XTN3+10AFZ)..... 2 pcs.  | <ul style="list-style-type: none"> • Attachment plug..... 1 pc. (SJP9009): (EB)  |

BEFORE USE

Be sure to disconnect the mains cord before adjusting the voltage selector.
Use a flat-tip (-) screwdriver to set the voltage selector (on the rear panel) to the voltage setting for the area in which the unit will be used.

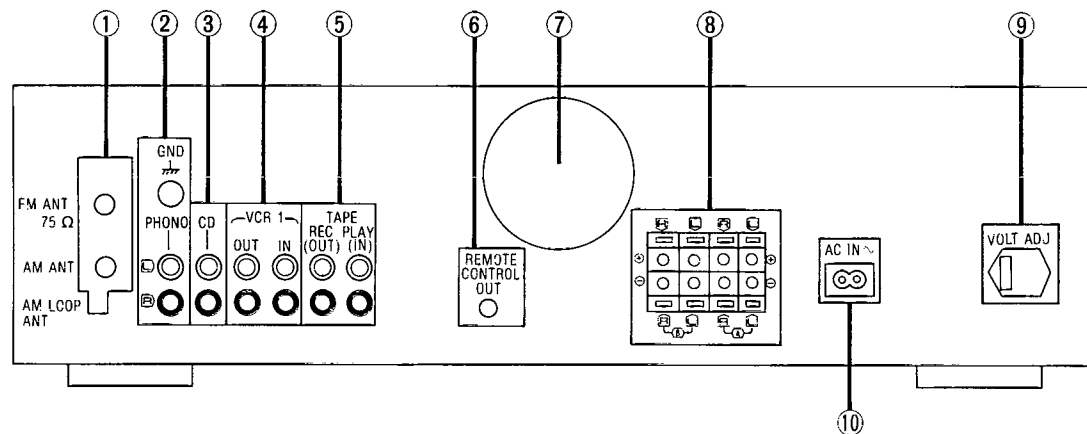
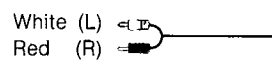
Note that this unit will be seriously damaged if this setting is not made correctly.

CONNECTIONS TO EQUIPMENT

Caution:

Do not place books, etc., on top of this unit so that the heat radiation vents remain unblocked.

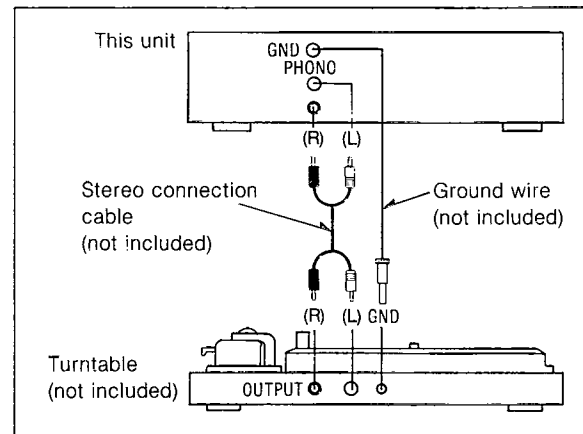
Stereo connection cable
(not included)



1 Antenna connection terminals

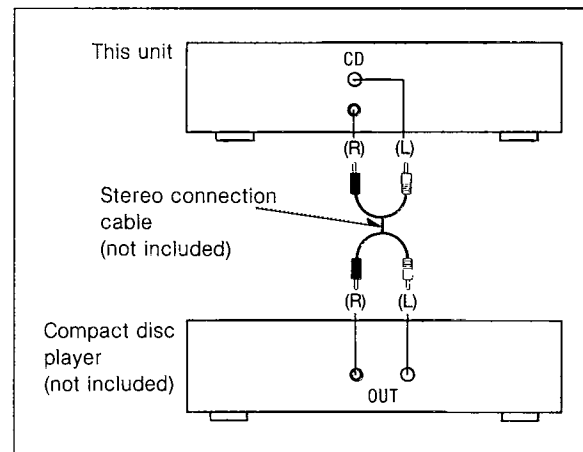
2 "PHONO" terminals

Connect a turntable only. Do not connect any other sound source to these terminals.



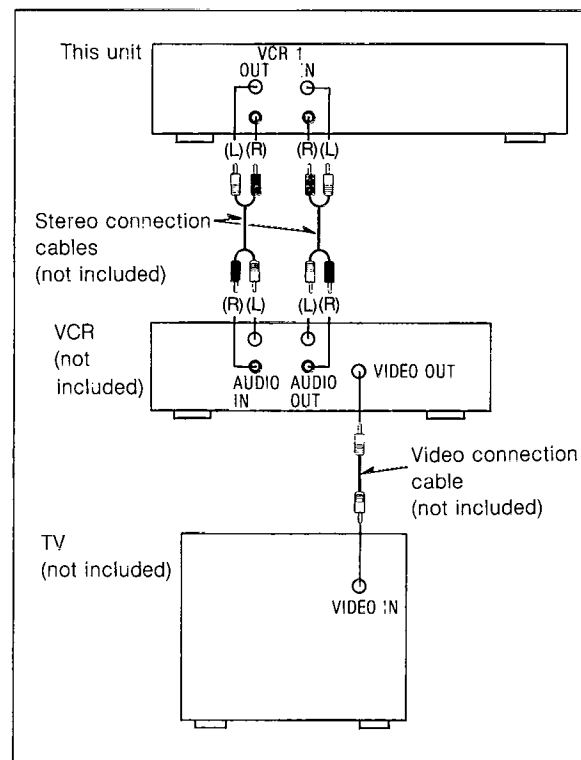
3 "CD" terminals

Connect a compact disc player.



4 "VCR 1" terminals

Connect a VCR.
(See the operating instructions of the VCR.)



5 "TAPE/VCR 2" terminals

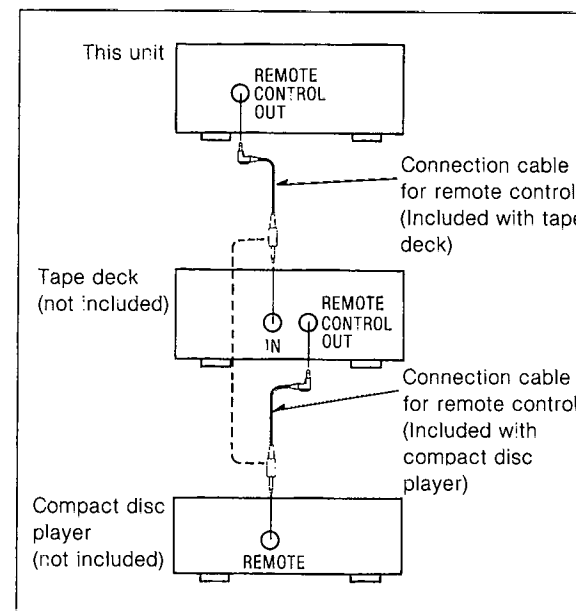
Connect a tape deck or second VCR. (This corresponds to the "TAPE" terminals in the above illustration.)

6 Remote control OUT terminal (REMOTE CONTROL OUT)

This terminal can be used only with Technics components which have the appropriate remote control terminal. (Consult your dealer for details.)
Proper connection with remote control connection cables SJP2257T will allow control of some functions from this unit's remote control transmitter.

Connect to a tape deck and/or compact disc player as shown below.

If a tape deck is not being used, the compact disc player can be connected directly (dotted line).



Note:

For a compact disc player with a remote control sensor the above connection is not necessary.

7 Cooling fan

The cooling fan operates at high output power levels only.

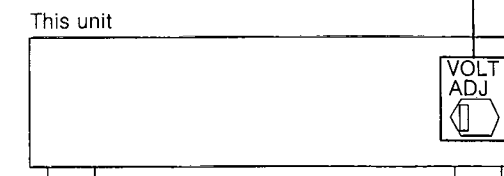
8 Speaker connection terminals

9 Voltage selector (VOLT ADJ)

To set the power voltage

Set the voltage selector to the voltage setting for the area in which the unit will be used.

[Use a minus (-) screwdriver]



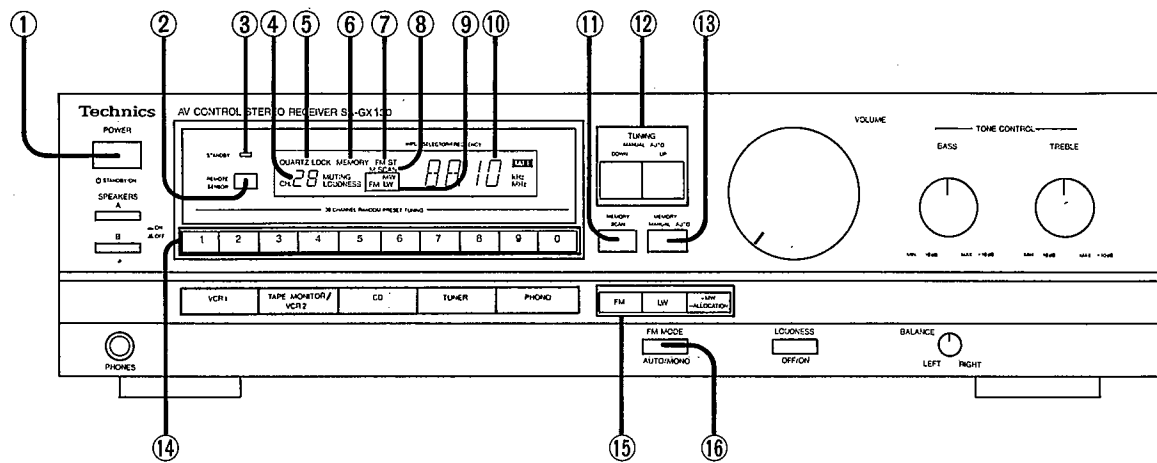
Note:

Note that this unit will be seriously damaged if this setting is not made correctly.

10 AC IN socket (AC IN)

FRONT PANEL CONTROLS AND FUNCTIONS

Tuner section



1 Power "⏻ STANDBY/ON" switch (POWER, ⏻ STANDBY/ON)

This switch switches ON and OFF the secondary circuit power only. The unit is in the "standby" condition when this switch is set to the ⏻ STANDBY position. Regardless of the switch setting, the primary circuit is always "live" as long as the power cord is connected to an electrical outlet.

2 Remote control signal receptor (REMOTE SENSOR)

Receives the signals from the remote control.

3 "STANDBY" indicator (STANDBY)

This indicator illuminates when the "STANDBY" mode is set by the main unit or the remote control transmitter.

4 Channel display

This display shows the channel number selected by one of the preset-tuning buttons. Also this display shows the channel number for about 3 seconds during memory scan operation.

5 Quartz-lock indicator (QUARTZ LOCK)

This indicator illuminates when the unit is tuned precisely to a broadcast station.

6 Memory indicator (MEMORY)

This indicator illuminates when the memory button is pressed.

7 FM stereo indicator (FM ST)

This indicator automatically illuminates when an FM stereo broadcast is being received.

Note:

It will not illuminate if the FM mode selector is set to the monaural mode.

8 Memory scan indicator (M. SCAN)

This indicator illuminates when the memory scan button is pressed.

9 Band indicators (FM, LW, MW)

Indicates the selected band.

10 Input selector/frequency display (INPUT SELECTOR/FREQUENCY)

Displays the selected source or broadcast frequency.

11 Memory scan button (MEMORY SCAN)

This button is used to locate a desired broadcast station; each broadcast station is selected for about 3 seconds.

12 Tuning buttons (TUNING)

These buttons are used for tuning to the desired broadcast station.

13 Memory button (MEMORY)

This button is used when presetting broadcast station frequencies into memory.

14 Preset-tuning buttons (1-0) (30 CHANNEL RANDOM PRESET TUNING)

These buttons are used to preset broadcast frequencies into the memory of this unit and to recall the desired preset stations.

15 Band selectors (FM, LW, MW)

FM: Press this button to listen to an FM broadcast.

LW: Press this button to listen to an LW broadcast.

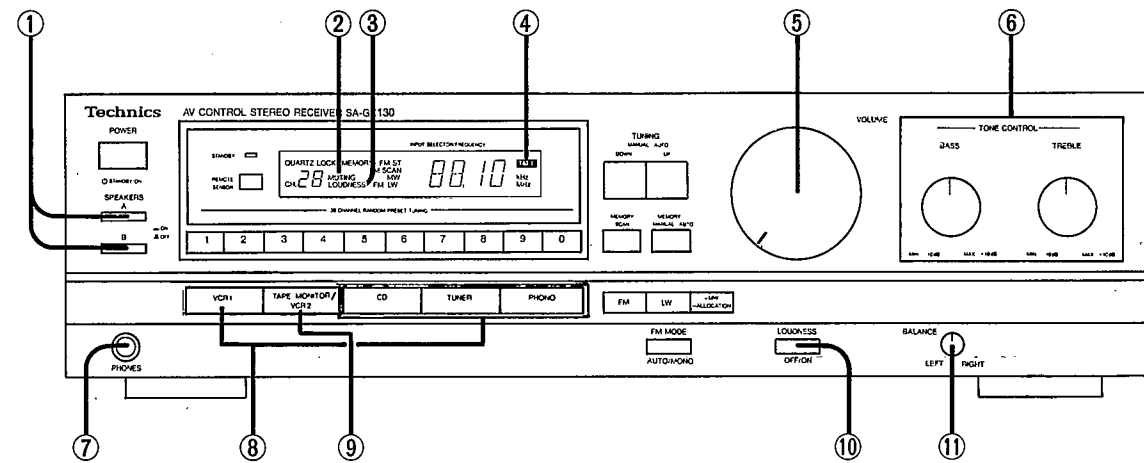
MW: Press this button to listen to an MW broadcast.

ALLOCATION: When the MW button is pressed for about 3 seconds, the MW frequency step will change to 10 kHz per step. (This step is set to 9 kHz before shipment.) In order to return to the original frequency indication, press this button for about 3 seconds again.

16 FM mode selector (FM MODE)

This unit automatically switches to the stereo mode when an FM stereo broadcast is received. This selector is used to select the mode (stereo or monaural) of FM broadcast signals.

Amplifier section



1 Speaker selectors (SPEAKERS)

These selectors are used to select the speaker system(s) (A and/or B).

2 Muting indicator (MUTING)

This indicator will illuminate when the muting button (on the remote control transmitter) is pressed.

3 Loudness indicator (LOUDNESS)

This indicator will illuminate when the loudness button is pressed.

4 Tape indicator (TAPE)

This indicator will illuminate when the tape-monitor/VCR 2 button is pressed.

5 Volume control (VOLUME)

6 Tone controls (BASS, TREBLE)

The bass control is used to adjust the low-frequency sound range, and the treble control is used to adjust the high-frequency sound range.

7 Headphones jack (PHONES)

8 Input selector buttons

These buttons are used to select the sound source to be heard, such as a disc, radio broadcasts, etc. The selected sound source is shown on the input selector/frequency display.

The "PHONO" input selector has two functions: when pressed momentarily it selects "PHONO". When pressed and held for about 4 seconds, it de-activates the muting function.

9 Tape-monitor/VCR 2 button (TAPE MONITOR/VCR 2)

Press this button to listen to a tape or second VCR connected to the "TAPE/VCR 2" terminals. To listen to some other source, press this button once again (so that the indicator is switched OFF).

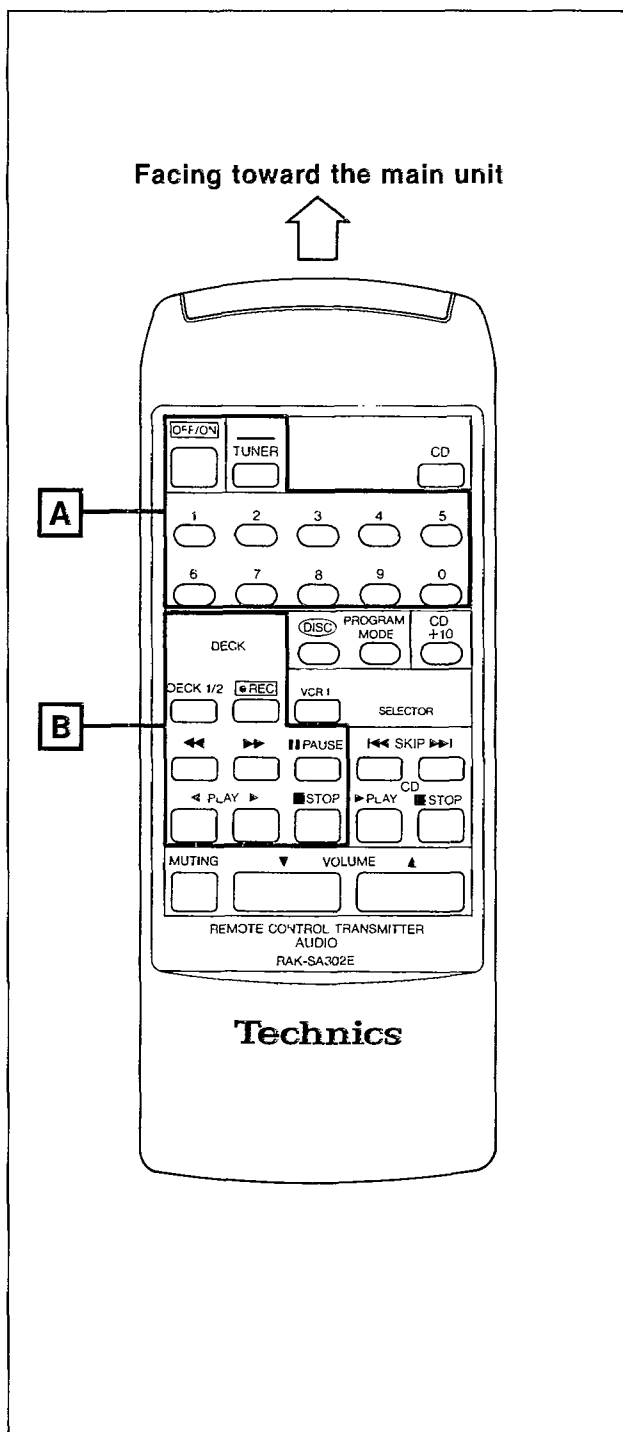
10 Loudness button (LOUDNESS)

Set to the "ON" position (the loudness indicator will illuminate); when listening to music at low volume. Auditory perception of sound in the low frequency range falls off at low volume, but when the switch is in this position, this deficiency is compensated for, so that the full impact of the musical performance can be enjoyed.

11 Balance control (BALANCE)

REMOTE-CONTROL OPERATION

- This remote control transmitter can be used for control of a Technics cassette tape deck or a compact disc player with a remote control terminal. Consult your dealer for details.
- For detailed information concerning operation steps, etc., please refer to the appropriate page for each unit and the respective operating instructions.
- For this system, you can listen to tapes or compact discs, etc., by operating the remote control transmitter without using this unit's input selectors.
- Make sure that the power of each unit is set to the "ON" position, before beginning the operations.



A Tuner controls

[TUNER]

Press this button first to use the "OFF/ON" button or the [1] - [0] buttons.

[OFF/ON]

This button can be used for ON and OFF switching of this unit. When switching the power ON and OFF, be sure to first press the "TUNER" button.

[1] - [0]

Press these buttons to select the desired preset channel. When these buttons are used, be sure to first press the "TUNER" button.

To designate channels 1-9:

Press the appropriate (1-9) preset-tuning button.

Note: When selecting channel 1, 2 or 3 enter the selection "01", "02" or "03". If only "1", "2" or "3" is pressed, channel access will be delayed by two seconds.

To designate channels 10-30:

- ① Press the button for the "tens" digit (1, 2 or 3).
- ② Press the button for the "units" digit (1-0) within 2 seconds after pressing the first button.

Note:

If the interval between pressing the first button and pressing the second button is more than about 2 seconds, the setting may not be made correctly. If this happens, make the setting once again.

B Tape deck controls

[DECK 1/2]

Press this button to select the deck ("DECK 1" or "DECK 2") to be controlled.

[REC]

Press this button to change to the recording stand-by mode.

[SKIP] , [REWIND]

Press one of these buttons to advance or rewind the tape while the unit is in the stop mode.

Press one of these buttons to select the desired tune while the unit is in the play mode. (Only applicable to a Technics tape deck with the "music select" functions.)

[PAUSE]

Press this button to temporarily stop playback or recording. Press the playback button to resume the playback or recording.

[PLAY]

Press one of these buttons to begin playback or recording, pressing the button corresponding to the side of the tape to be played back (or recorded).

- ▶ : For the "forward (A)" side of the tape
- ◀ : For the "reverse (B)" side of the tape

Note:

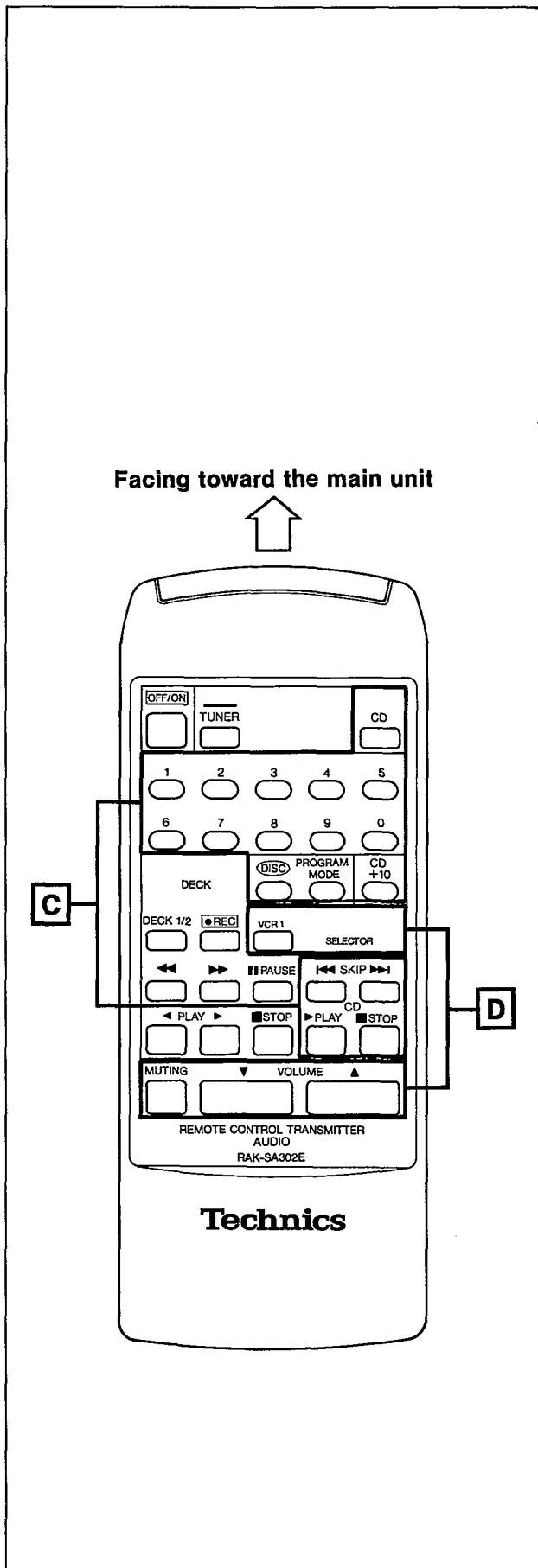
Depending on which Technics tape deck is used in combination with this unit, tape deck 1 might be the "A"-side playback-only type.

[STOP]

Press this button to stop tape movement.

Note

Depending on which Technics tape deck is used in combination with this unit, the pause of the playback (and the recording), and the recording functions of tape deck 1 might not be possible by using the remote control transmitter.



C Compact disc player controls

CD

Press this button first to use the **1** - **+10** buttons.

1 - +10

Press these buttons to select the desired track.

Playback begins from the track selected.

When these buttons are used, be sure to first press the "CD" button.

Tracks 1-9:

Press the appropriate numeric button $\overset{1}{\circ}$ - $\overset{9}{\circ}$ directly.

To select a two-digit track number over 10:

Press the $\overset{+10}{\circ}$ button the necessary number of times to select the "tens" digit, and then one of the $\overset{1}{\circ}$ - $\overset{9}{\circ}$ buttons to select the "units" digit.

DISC

If a Technics multi compact disc player is used in combination with this unit, the disc to be played can be selected by first pressing this button and then pressing the appropriate numeric button ($\overset{1}{\circ}$ - $\overset{5}{\circ}$).

PROGRAM MODE

Press this button to select the desired play mode. ("PROGRAM" or "CONTINUE")

SKIP

Press one of these buttons briefly to move the pick-up to the beginning of a specific track.

PLAY

Press this button to start play.

STOP

Press this button to stop play.

Note:

When operating a compact disc player with a remote control sensor, face this remote control transmitter toward the remote control sensor of the compact disc player.

D Amplifier controls

VCR 1

Press this button to select the "VCR 1" input selector on the main unit.

MUTING

Press this button to temporarily reduce the volume level.

The volume level is attenuated by 20 dB (approx. 1/10).

Press once again to return to the previous volume level.

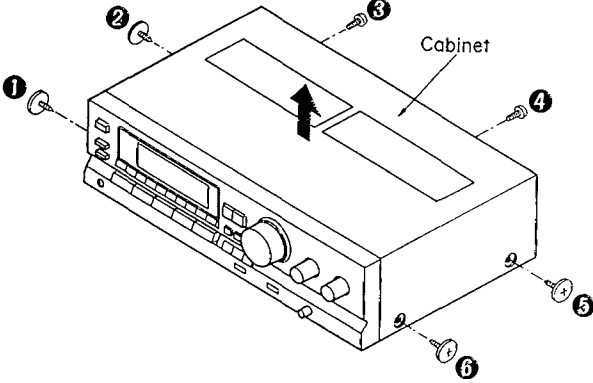
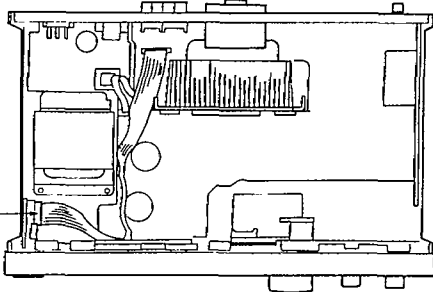
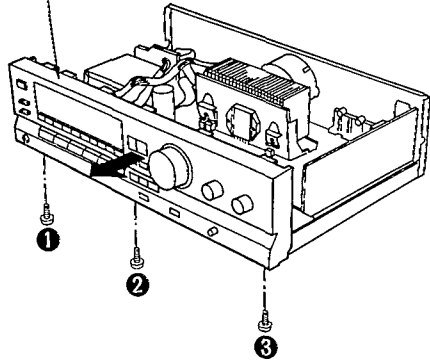
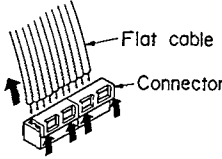
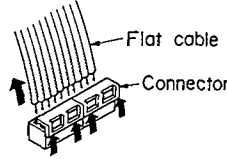
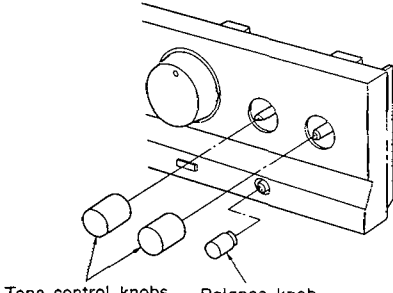
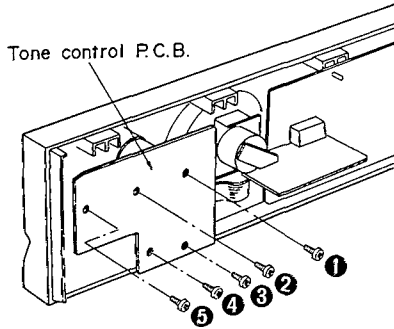
VOLUME

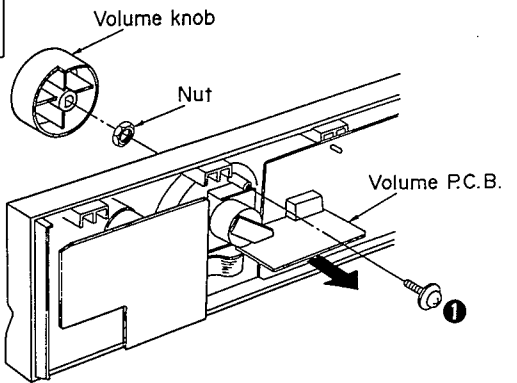
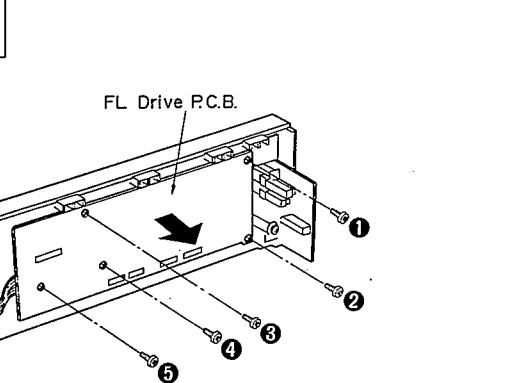
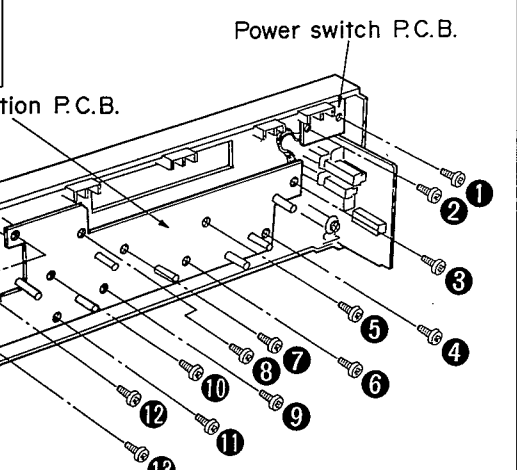
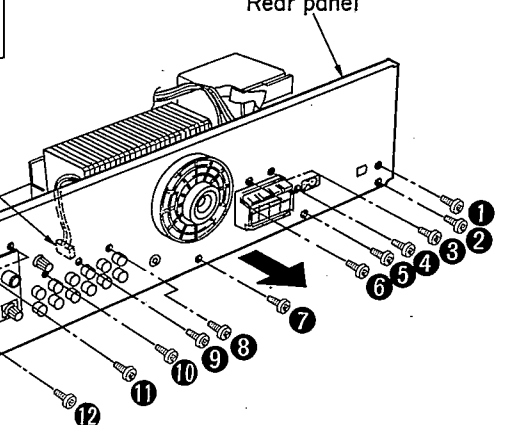
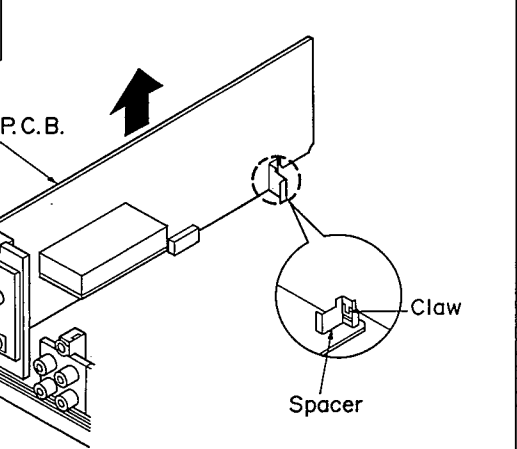
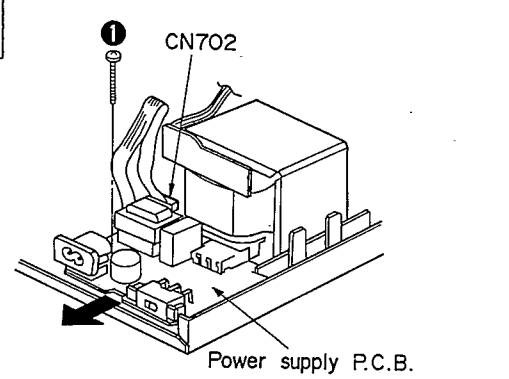
Press one of these buttons to adjust the volume level.

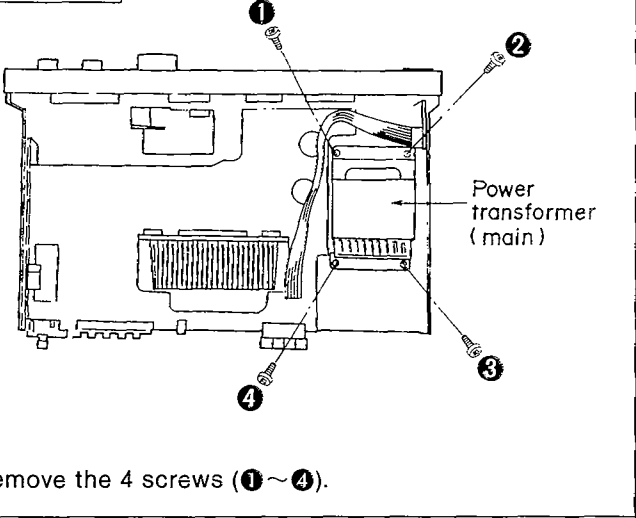
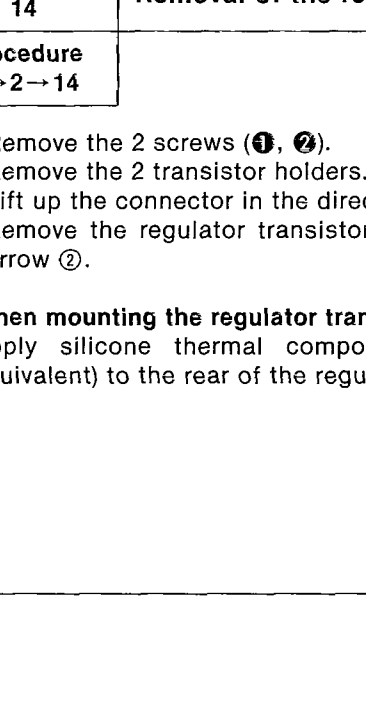
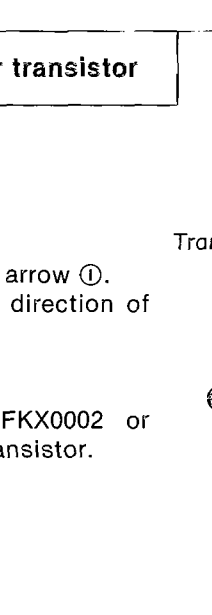
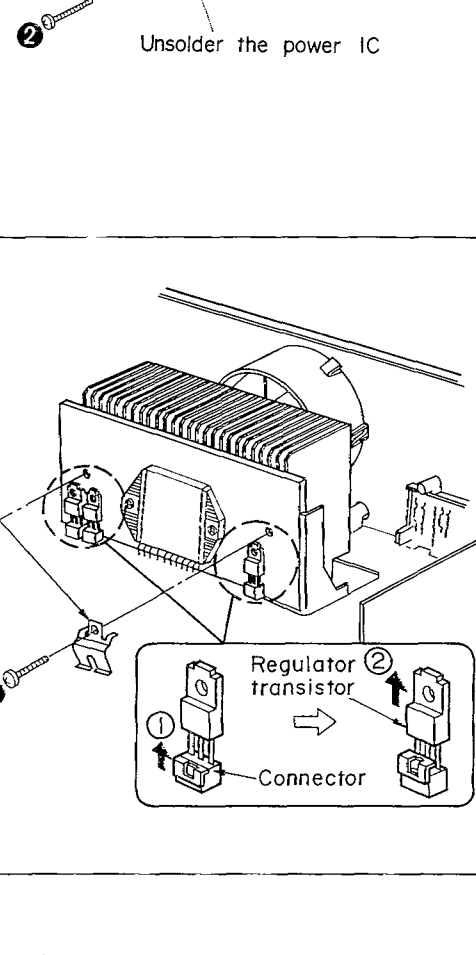
DISASSEMBLY INSTRUCTIONS

"ATTENTION SERVICER"

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

| | | | |
|----------------------------|--|--|--|
| <p>Ref. No. 1</p> | <p>Removal of the cabinet</p> | <p>Ref. No. 2</p> | <p>Removal of the front panel ass'y</p> |
| <p>Procedure 1</p> |  <p>Cabinet</p> | <p>Procedure 1→2</p> |  <p>CN601</p> |
| | <p>• Remove the 6 screws (1~6).</p> | <p>1. Remove the 1 flat cable (CN601). Front panel ass'y</p>  | <p>2. Remove the 3 screws (1~3). 3. Remove the front panel ass'y in the direction of arrow.</p> |
| <p>Ref. No. 3</p> | <p>Removal of the speaker switch/headphones jack P.C.B.</p> | <p>How to remove the flat cable</p> | <p>1. Lift up the connector. 2. Pull out the flat cable.</p>  <p>Flat cable Connector</p> |
| <p>Procedure 1→2→3</p> |  <p>Speaker switch / Headphones jack P.C.B.</p> | | |
| | <p>• Remove the 2 screws (1, 2).</p> | | |
| <p>Ref. No. 4</p> | <p>Removal of the tone control P.C.B.</p> | <p>1. Remove the 2 tone control knobs and a balance knob.</p> | <p>2. Remove the 5 screws (1~5).</p> |
| <p>Procedure 1→2→4</p> |  <p>Tone control knobs Balance knob</p> |  <p>Tone control P.C.B.</p> | |

| | | | |
|-------------------------------------|--|------------------------------|---|
| <p>Ref. No. 5</p> | <p>Removal of the volume P.C.B.</p> | <p>Ref. No. 6</p> | <p>Removal of the FL drive P.C.B.</p> |
| <p>Procedure 1→2→5</p> |  <p>1. Pull out the volume knob. 2. Remove the nut. 3. Remove the 1 screw (①). 4. Remove the volume P.C.B. in the direction of arrow.</p> | <p>Procedure 1→2→5→6</p> |  <p>1. Remove the 5 screws (①~⑤). 2. Remove the FL drive P.C.B. in the direction of arrow.</p> |
| <p>Ref. No. 7</p> | <p>Removal of the power switch P.C.B. and Operation P.C.B.</p> | <p>Ref. No. 8</p> | <p>Removal of the rear panel</p> |
| <p>Procedure 1→2→5→6 →7</p> |  <p>• Remove the 13 screws (①~⑬).</p> | <p>Procedure 1→8</p> |  <p>1. Remove the 12 screws (①~⑫). 2. Remove the 1 connector (CN651). 3. Remove the rear panel in the direction of arrow.</p> |
| <p>Ref. No. 9</p> | <p>Removal of the tuner P.C.B.</p> | <p>Ref. No. 10</p> | <p>Removal of the power supply P.C.B.</p> |
| <p>Procedure 1→8→9</p> |  <p>1. Release the 1 claw. 2. Remove the tuner P.C.B. in the direction of arrow.</p> | <p>Procedure 1→8→10</p> |  <p>1. Remove the 1 screw (①). 2. Remove the 1 flat cable (CN702). 3. Remove the power supply P.C.B. in the direction of arrow.</p> |

| | | | |
|--------------------------------|---|-----------------------------|--|
| Ref. No. 11 | Removal of the power transformer (main) | Ref. No. 12 | Removal of the main P.C.B. |
| Procedure 1→8→10→11 |  <p>• Remove the 4 screws (①~④).</p> | Procedure 1→2→8 →9→12 |  <p>1. Remove the 1 flat cable (CN702). 2. Remove the 6 screws (①~⑥).</p> |
| Ref. No. 13 | Removal of the power IC | | |
| Procedure 1→2→8→9 →12→13 | <p>1. Remove the 2 screws (①, ②). 2. Unsolder the power IC.</p> <p>• When mounting the power IC. Apply silicone thermal compound (RFKX0002 or equivalent) to the rear of the power IC.</p>  | | |
| Ref. No. 14 | Removal of the regulator transistor | | |
| Procedure 1→2→14 | <p>1. Remove the 2 screws (①, ②). 2. Remove the 2 transistor holders. 3. Lift up the connector in the direction of arrow ①. 4. Remove the regulator transistor in the direction of arrow ②.</p> <p>• When mounting the regulator transistor. Apply silicone thermal compound (RFKX0002 or equivalent) to the rear of the regulator transistor.</p>  | | |

Ref. No. 15
Removal of the cooling fan motor

Procedure
 1→8→15

1. Release the 3 claws in the direction of arrow and remove the fan motor. (Refer to Fig. 1)
2. Insert a screwdriver at the root of the cooling fan. Force it out of the motor shaft. (Refer to Fig. 2)

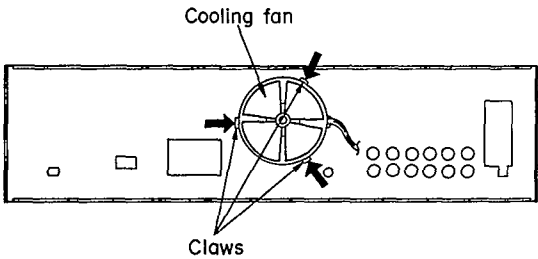


Fig. 1

3. Remove the motor cover by used ⊖ screwdriver. (Refer to Fig. 3)
4. Remove the motor from the fancasing. (Refer to Fig. 4)
5. When mounting the motor fan, align the fan casing's projection with the hole of the fan motor. (Refer to Fig. 5)

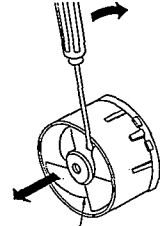


Fig. 2

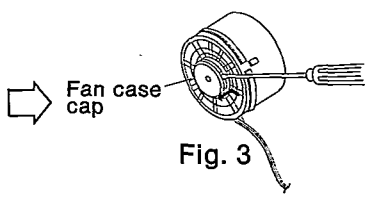


Fig. 3

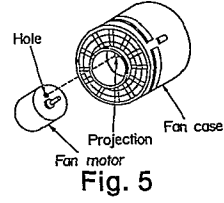


Fig. 5

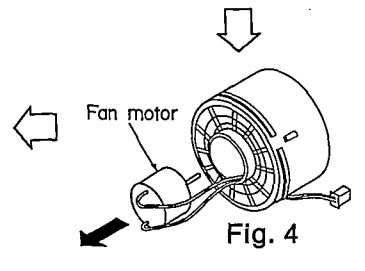
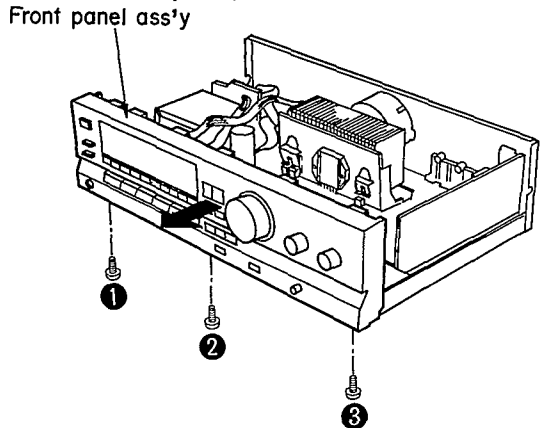


Fig. 4

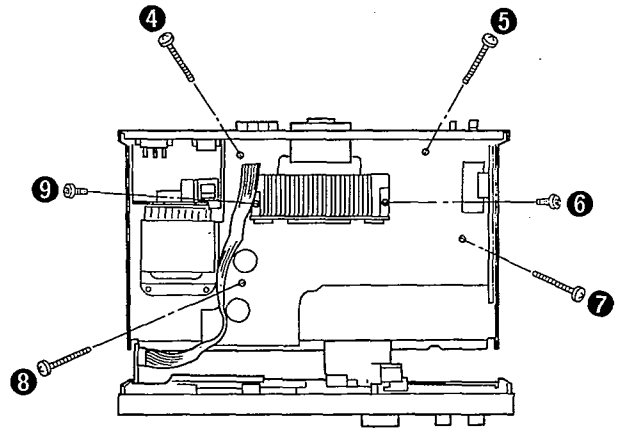
Ref. No. 16
Check of the main P.C.B.

Procedure
 1→16

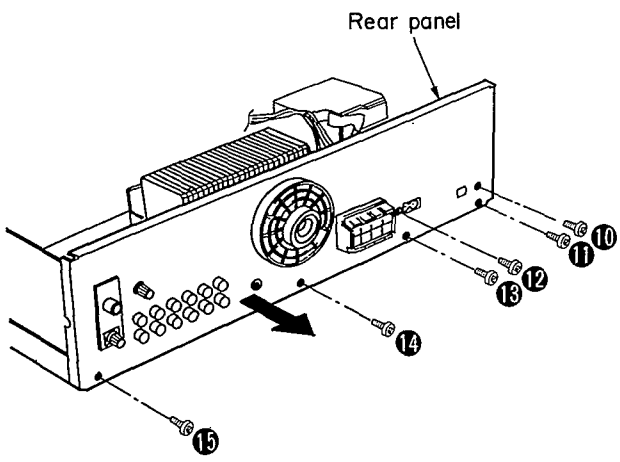
- When checking the soldered surfaces of main P.C.B. and replacing the parts, do as show.



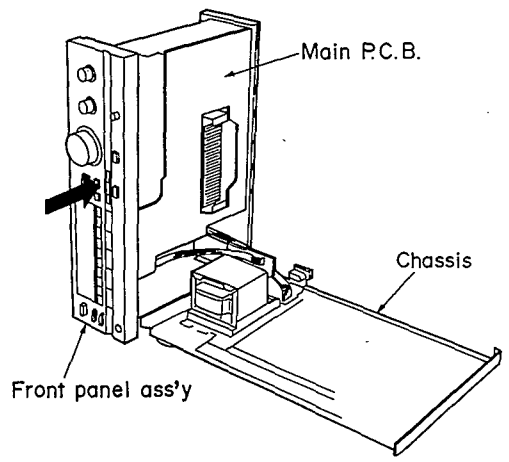
1. Remove the 3 screws (1~3).



2. Remove the 6 screws (4~9).



3. Remove the 6 screws (10~15).
4. Remove the rear panel in the direction of arrow.



5. Remove the chassis.
6. Reinstall the front panel ass'y to the main P.C.B.

MEASUREMENTS AND ADJUSTMENTS

Note: For Z251 (AM (MW/LW) ANT and OSC coil), Z202 (AM (MW/LW)-IFT), they are supplied as adjusted parts. So, do not turn the cores of the parts. It is not necessary to adjust the AM (MW/LW) circuit.

FM ADJUSTMENT

Control positions and equipment used

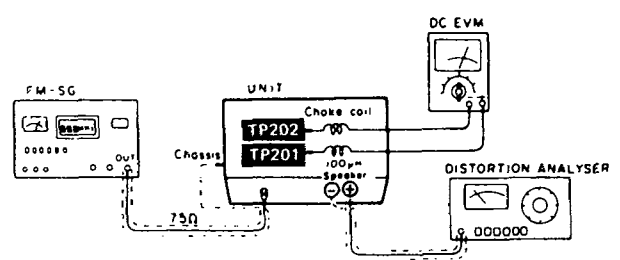
- FM signal generator (FM-SG)
- Distortion analyser
- DC electronic voltmeter (DC EVM)
- Frequency counter
- Choke coil (100 μ H)
- Resistor (100k Ω)

FM MONO DISTORTION ADJUSTMENT

1. Test equipment connection is shown in figure.
2. Set the unit to "FM" position.
3. Set the radio frequency display and signal generator to 100.10MHz.
4. Adjust T201 core so that voltage measured in signal mode is 0mV (0 \pm 20mV) in 300mV range.
5. Adjust T202 so that the distortion factor of Lch is minimized.
6. Repeat step 4 and 5 a few times.
7. Make sure that the distortion factors of Lch and Rch are nearly the same with each other to minimum.

FM SIGNAL GENERATOR CONDITION

- Modulation100%
- Modulation frequency.....1 kHz (MONO)
- Output level.....66dB



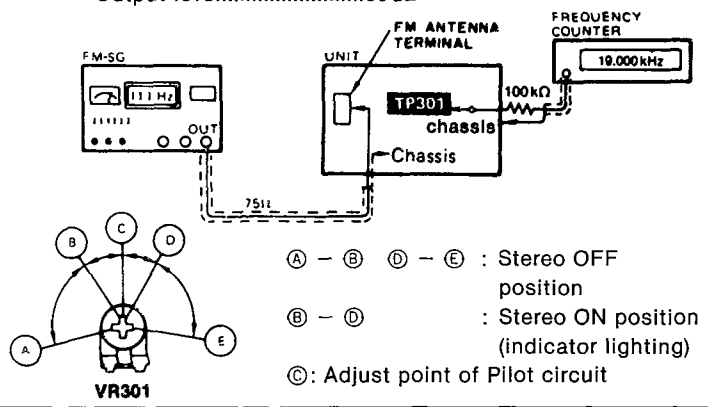
Note:
The adjusting screwdriver used should be made of resin.

FM MPX VCO ADJUSTMENT

1. Test equipment connection is shown in figure.
2. Set the unit to "FM auto" position.
3. Set the radio frequency display and signal generator to 100.10MHz.
4. Adjust VR301 for 19.00 \pm 0.03kHz on frequency counter reading.

FM SIGNAL GENERATOR CONDITION

- Modulation0% (non-modulation)
- Output level.....66dB

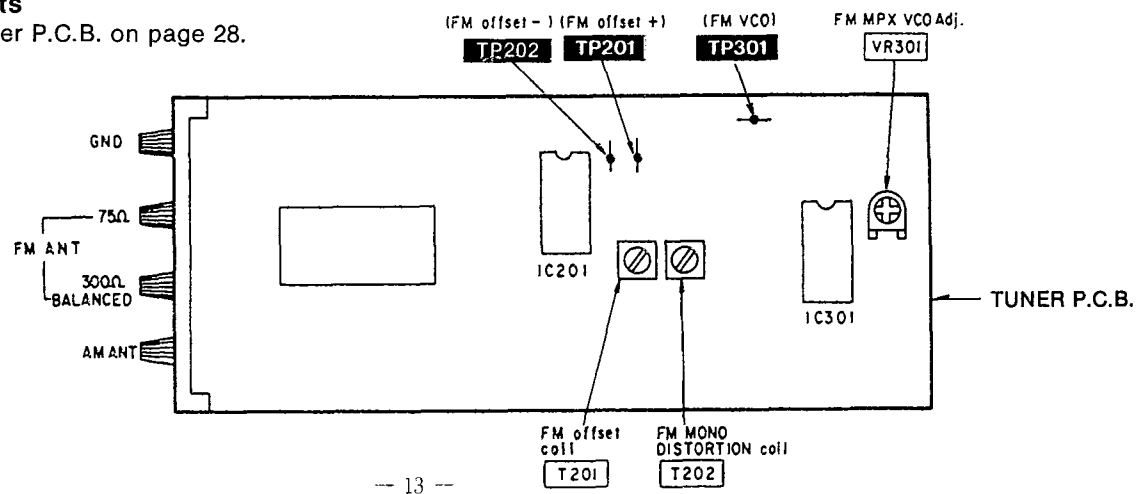


★ USING ALTERNATE SYSTEM

1. Apply stereo signal from generator or receive the stereo broadcast.
2. Adjust VR301 until stereo indicator lights up. Cement arm of VR301 as shown in figure.

Adjustment points

Please refer to tuner P.C.B. on page 28.



■ TERMINAL FUNCTION OF IC

• IC901 (MN187125STV): Microcomputer

| Pin No. | Mark | I/O Division | Function |
|-------------|---------------|--------------|---|
| 1 } 7 | S0 } S6 | O | Segment signal to FL display |
| 8 | Vpp | I | Power supply terminal to FL display |
| 9 | Vdd | I | Power supply terminal |
| 10 | OSC2 | O | Crystal oscillator terminal (4.19MHz) |
| 11 | OSC1 | I | |
| 12 | Vss | — | GND terminal |
| 13 | XI | — | Not used, connected to GND |
| 14 | XO | — | Not used, open |
| 15 | KEY2 | I | Key return signal |
| 16 | KEY1 | | |
| 17 | SD | I | Received signal detect terminal |
| 18 | FM ST | I | Stereo signal detect terminal |
| 19 | F | O | Sense of rotation for volume motor control terminal |
| 20 | R | | |
| 21 | 5-6 | — | Not used, open |
| 22 | ST3 | — | Level shift control terminal Not used, connected to resister. |
| 23 | REMOTE | I | Remote control terminal |
| 24 | HOLD | I | Service interruption detect terminal |
| 25 | ST1 | O | Level shift control terminal |
| 26 | OFF | — | Not used, connected to GND |
| 27 | RLY | O | Relay control terminal |
| 28 | ST2 | — | Level shift control terminal Not used, connected to resister. |
| 29 | RESET | I | Reset detect terminal |
| 30 | CK1 | O | Serial clock signal |

| Pin No. | Mark | I/O Division | Function |
|---------------|---------------------------------|--------------|--|
| 31 | CE | O | Chip enable terminal |
| 32 | DATA1 | O | Serial data signal |
| 33 | CK2 | — | Serial clock signal Not used, open |
| 34 | DATA2 | — | Serial data signal Not used, open |
| 35 | DAC STOP/ VIDEO SELECT | — | Video selector control terminal Not used, connected to resister. |
| 36 | SYNC | — | Not used, open |
| 37 | CM | — | Not used, connected to GND |
| 38 | 3ST | — | Not used, connected to resistor |
| 39 | FM mono | O | Forcible monaural signal |
| 40 | RFM | O | Muting control to tuner circuit |
| 41 | A | — | Rotary tuning control terminal Not used, connected to resister. |
| 42 | B | | |
| 43 } 45 | KS1 } KS3 | O | Key scan signal |
| 46 } 53 | DGT0 } DGT7 | O | Digit signal to FL display |
| 54 | INITIAL | I | Serial data detect terminal |
| 55 | DAC/SUR | — | Muting control signal Not used, connected to resister. |
| 56 | LOU | O | Loudness control signal |
| 57 | AFM | O | Muting control to amplifier circuit |
| 58 | -20dB | O | Muting control (-20dB) to amplifier circuit |
| 59 } 64 | S7 } S12 | O | Segment signal to FL display |

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

(Parts list on pages 36~40)

Note 1:

- S601 : Speaker selectors (SPEAKERS) switches. [S601-1: A, S601-2: B]
- S701 : Voltage adjust switch.
- S901~910 : Preset-tuning (1-0) (30 CHANNEL RANDOM PRESET TUNING) switches. [S901: 1, S902: 2, S903: 3, S904: 4, S905: 5, S906: 6, S907: 7, S908: 8, S909: 9, S910: 0]
- S914 : Power (POWER) switch.
- S916, 917, 922, 923 : Input selector switches. [S916: PHONO, S917: TUNER, S922: VCR 1, S923: CD]
- S918 : Tape monitor (TAPE MONITOR/VCR 2) switch.
- S925 : Loudness (LOUDNESS) switch.
- S929, 936 : Tuning (TUNING) switches. [S929: DOWN, S936: UP]
- S930~932 : Band selector switches. [S930: FM, S931: LW, S932: MW]
- S933 : FM mode selector (FM MODE) switch.
- S934 : Memory scan (MEMORY SCAN) switch.
- S935 : Memory (MEMORY) switch.

Note 2:

Use of ceramic filters in pairs
The ceramic filters (CF201, CF202) for FM-IF circuit are available in three ranks. For this circuit, be sure to use the ceramics of the same rank in a pair. At repairing and replacement, pay close attention to the short jumpers (BL, OR) for use as different short jumpers must be used depending on each rank of the ceramic filters.

Color marking (Blue, Red or Orange)

| COLOUR (Rank) | BL (J221) | OR (J222) | CENTER FREQUENCY |
|---------------|-----------|-----------|------------------|
| Blue | ○ | × | 10.575MHz |
| Red | ○ | ○ | 10.700MHz |
| Orange | × | ○ | 10.725MHz |

Note: ○ mark; short jumper is used.
× mark; short jumper is not used.

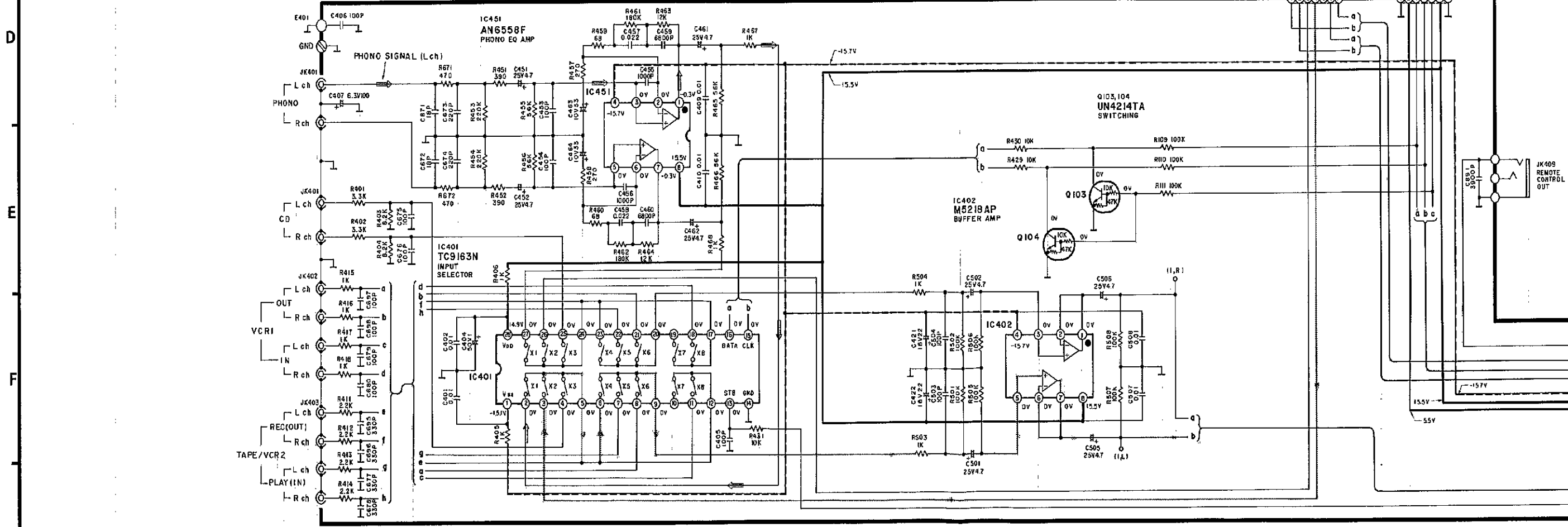
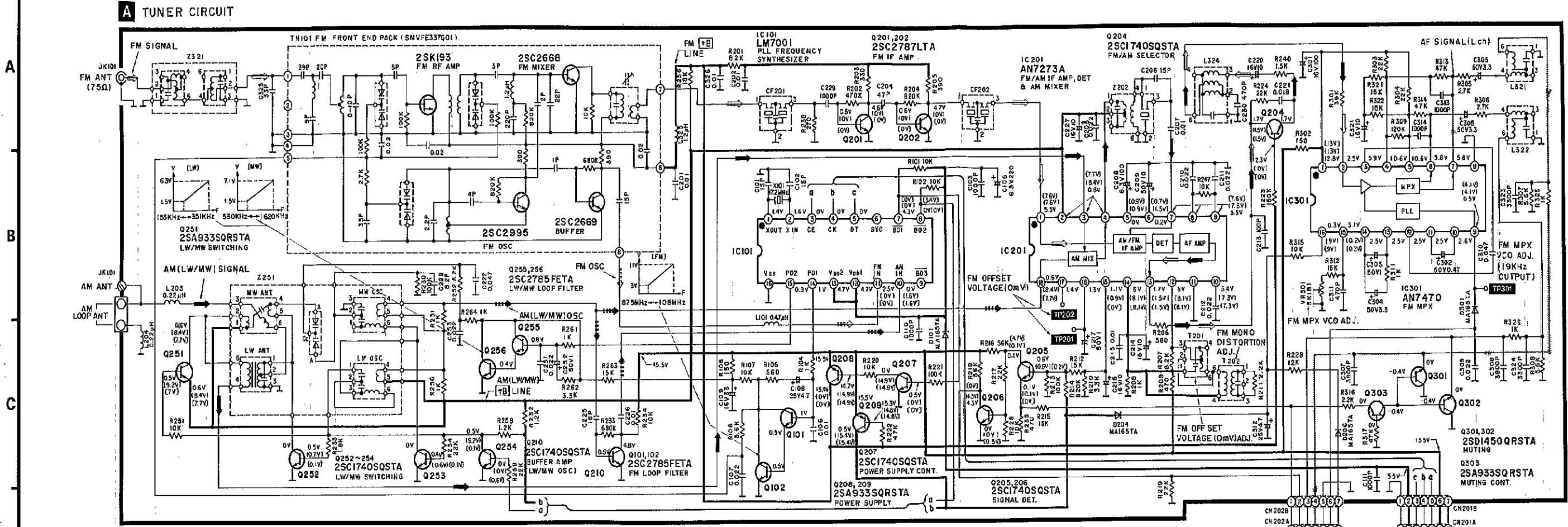
- Signal line
 □□□□ : FM OSC signal
 ■■■■ : AM (MW/LW) OSC signal
 ○○○○ : Phono signal
 ——— : Positive voltage lines
 - - - - : Negative voltage lines
- Important safety notice:
Components identified by Δ mark have special characteristics important for safety. When replacing any of these components, use only manufacturer's specified parts. Indicated voltage values are standard values for the unit measured by the DC electronic circuit tester (high-impedance) with the chassis taken as standard. Therefore, there may exist some errors in the voltage values, depending on internal impedance of the DC circuit tester.
- All voltage values shown in circuitry are DC voltage in FM signal (Stereo signal) reception mode.
- Figures in () Stand for DC-voltage in AM signal reception mode.
- The supply part number is described alone in the replacement parts list.

| Ref. No. | Production Part No. | Supply Part No. |
|----------|---------------------|-----------------|
| IC301 | AN7470 | SVIUPC1161C3 |
| Z691 | RCDHC-877-E | RCDHC-877 |

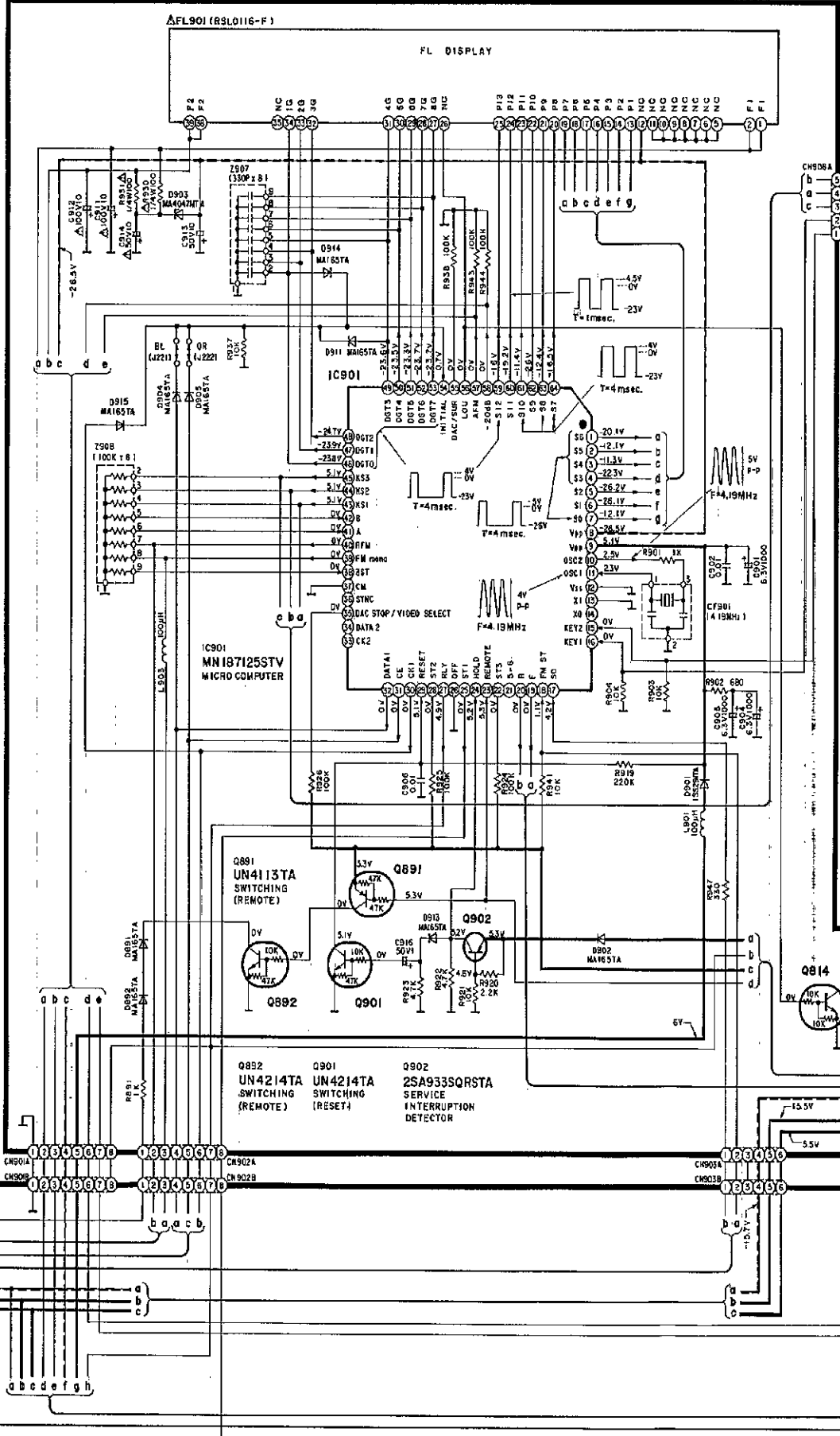
- **Caution!**
IC and LSI are sensitive to static electricity. Secondary trouble can be prevented by taking care during repair.
- Cover the parts boxes made of plastics with aluminum foil.
- Ground the soldering iron.
- Put a conductive mat on the work table.
- Do not touch the legs of IC or LSI with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

TERMINAL GUIDE OF IC'S, TRANSISTORS AND DIODES

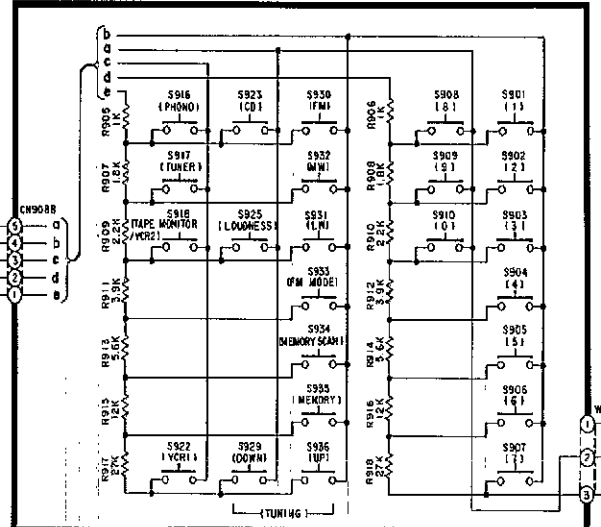
| | | |
|---|---|--|
| | AN6558F 8 Pin UPC4570C 8 Pin AN7470 16 Pin LM7001 16 Pin AN7273A 18 Pin | M5218AP |
| TC9163N | MN187125STV | BA6218 |
| SV18102D | 2SC3940AQSTA | 2SC2631QRSTA 2SB621AQSTA |
| | UN421FTA UN4113TA UN4211TA UN4214TA 2SA1309AQSTA 2SC2785FETA 2SC2787LTA | 2SC3311AQSTA 2SD1450QRSTA |
| | 2SA933SQSTA 2SC1740SQSTA 2SC3327ABTP | 2SJ40CDA |
| 2SB1187DEF 2SD1761DEF | P300DLF Cathode Anode | MA185TA 1SS291TA 1SR352QTB Cathode Anode |
| MA4047MTA MA4062MTA MA4068MTA | MA4180LTA MA4270MTA Cathode Anode | LN848RPH Anode Cathode |



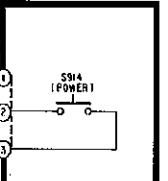
C FL DRIVE CIRCUIT



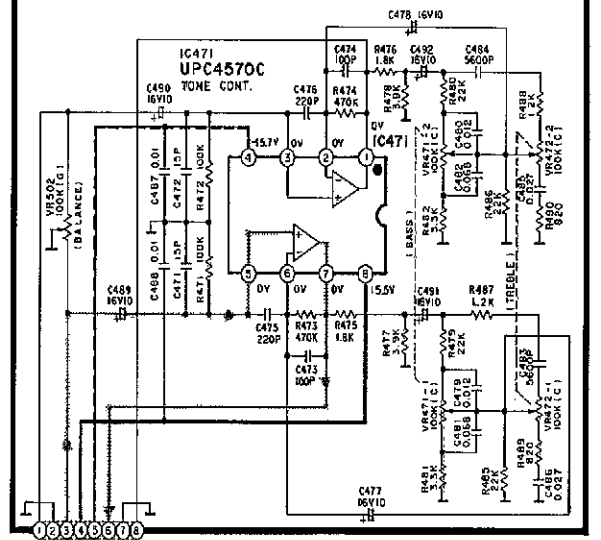
D OPERATION CIRCUIT



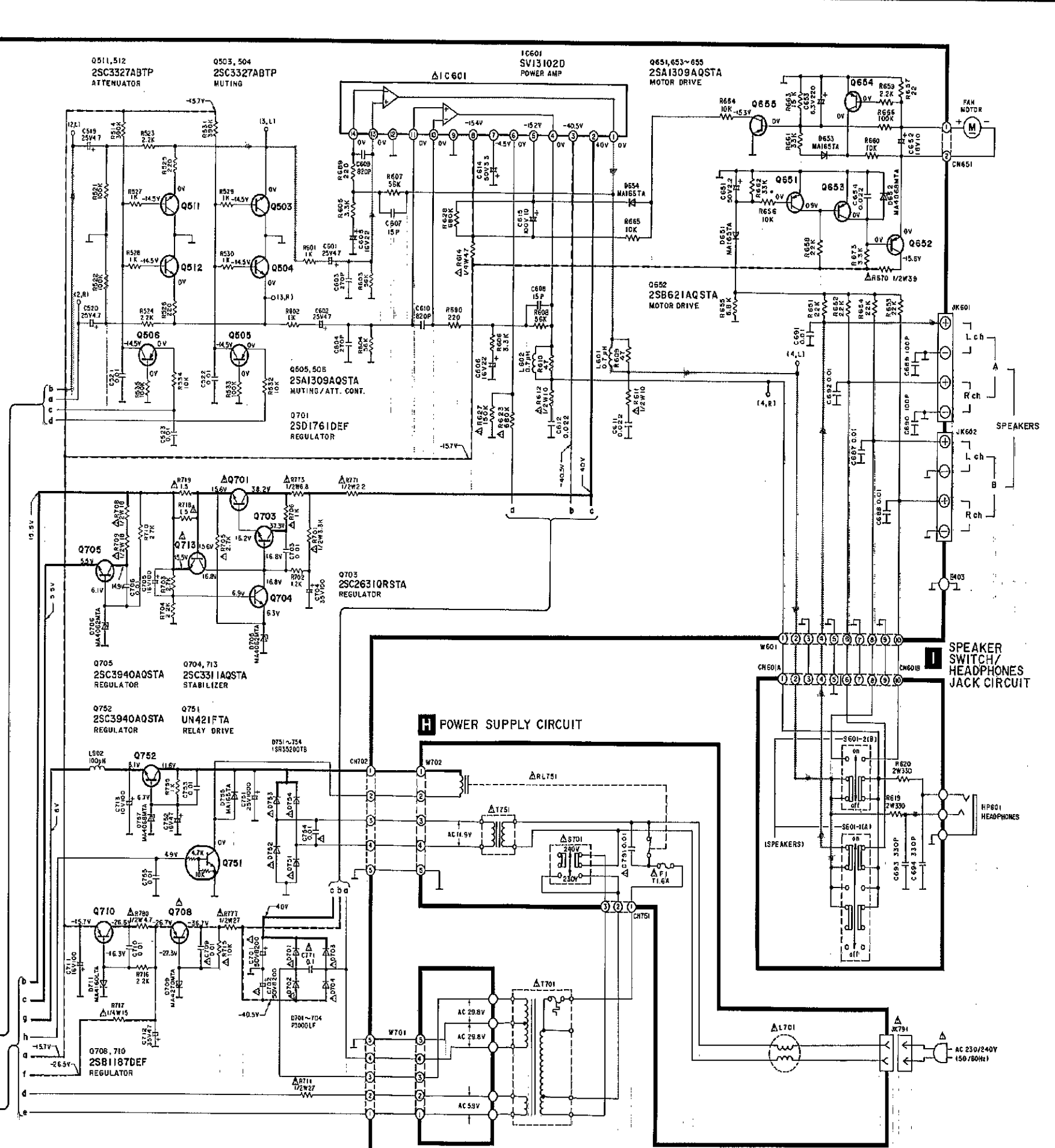
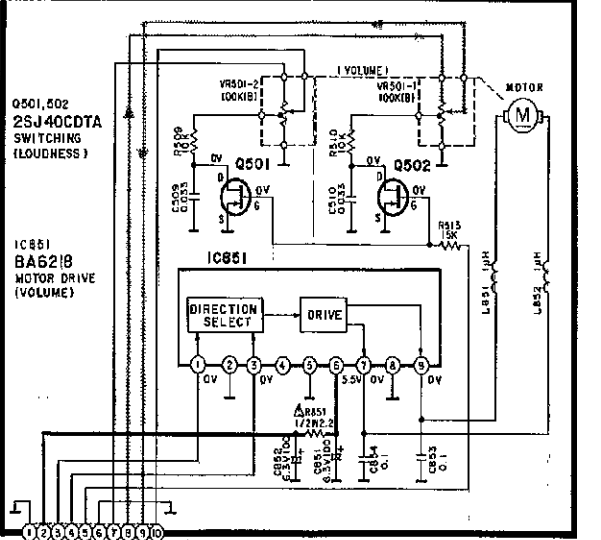
F POWER SWITCH CIRCUIT



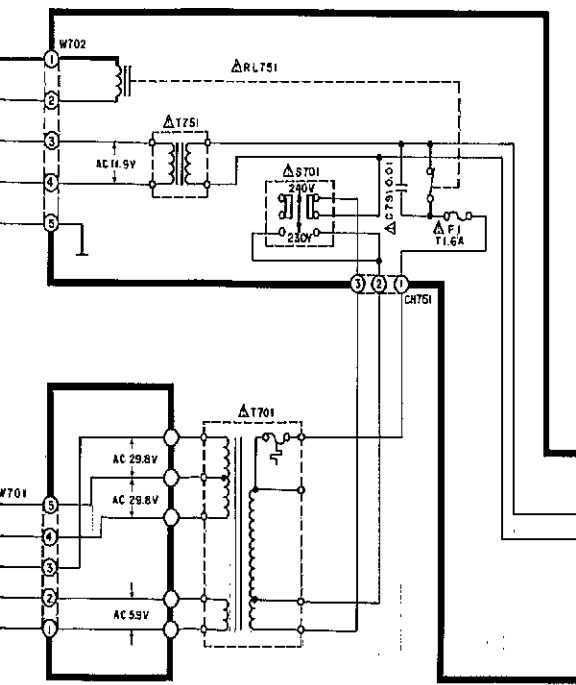
E TONE CONTROL CIRCUIT



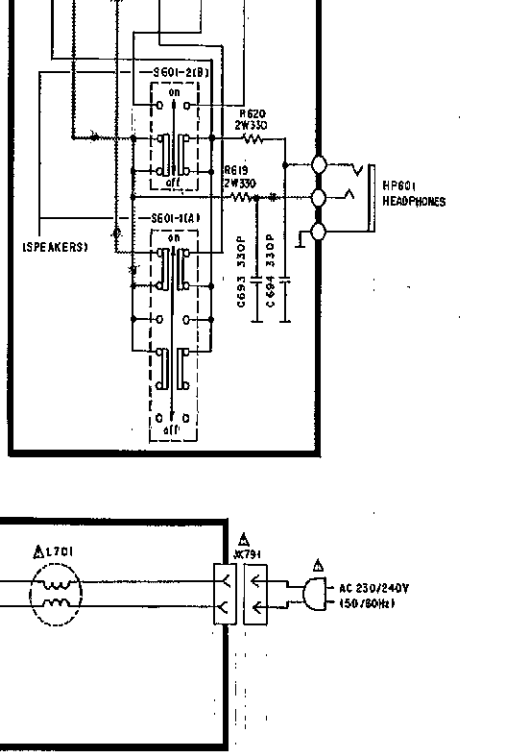
G VOLUME CIRCUIT



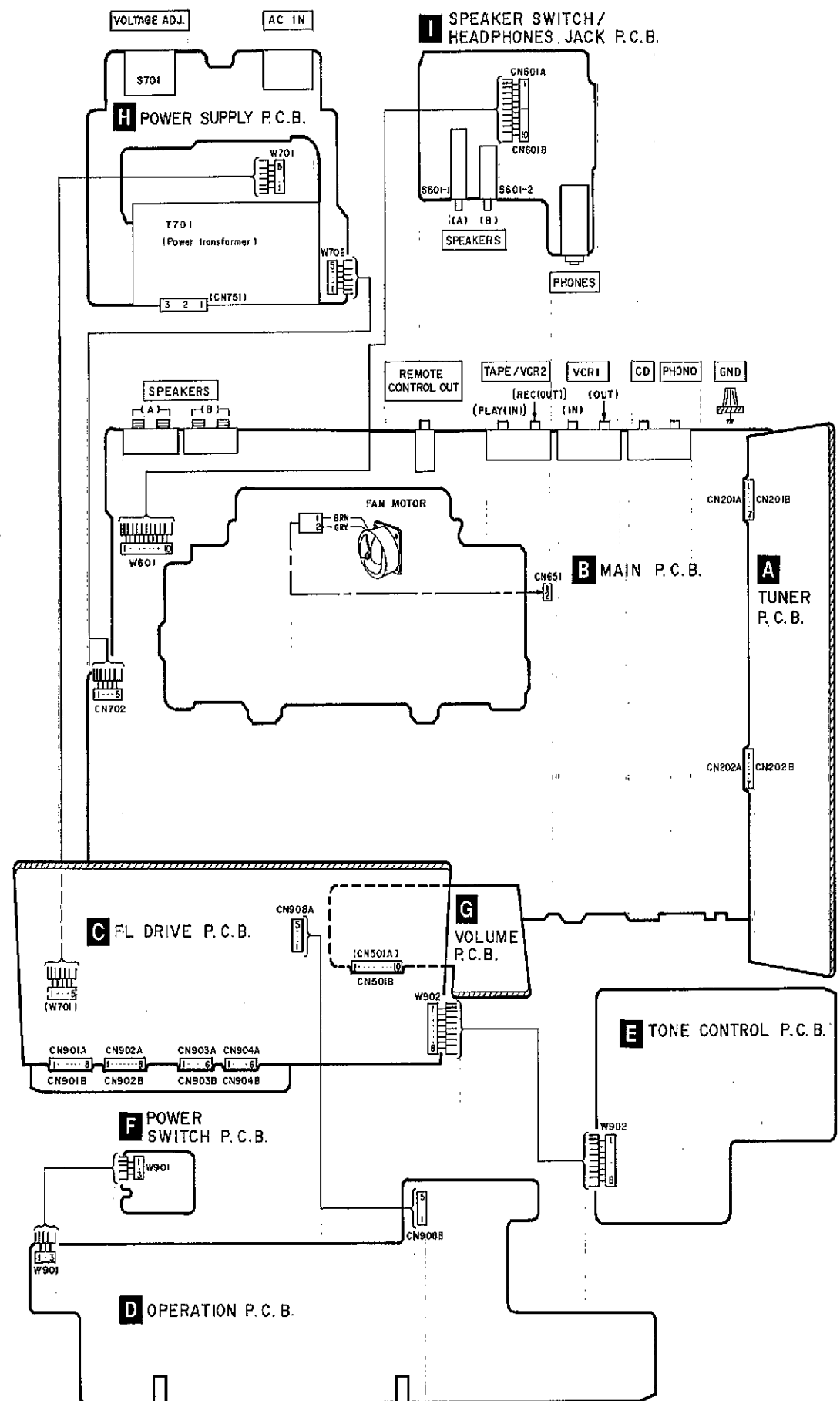
H POWER SUPPLY CIRCUIT



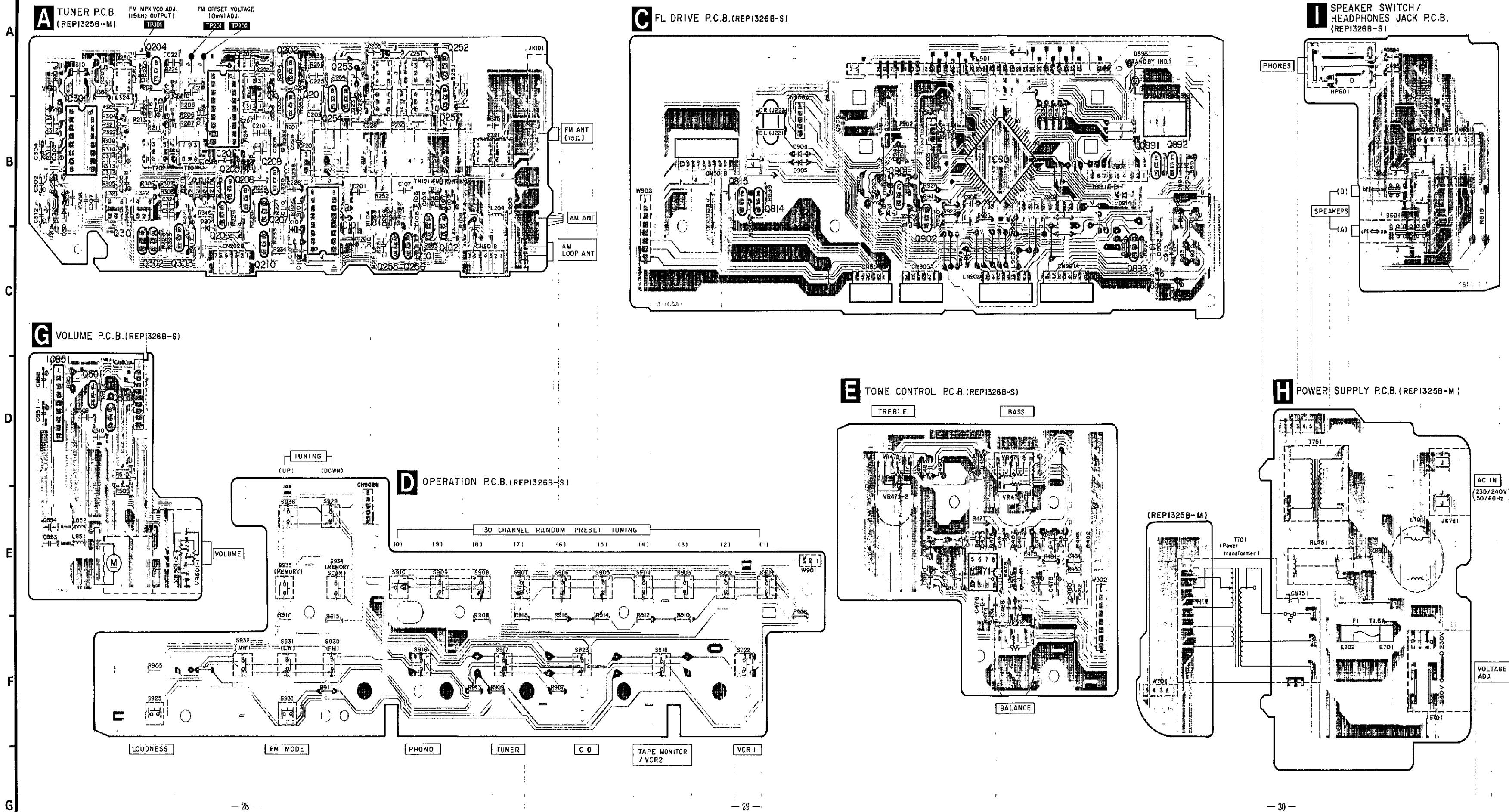
I SPEAKER SWITCH HEADPHONES JACK CIRCUIT

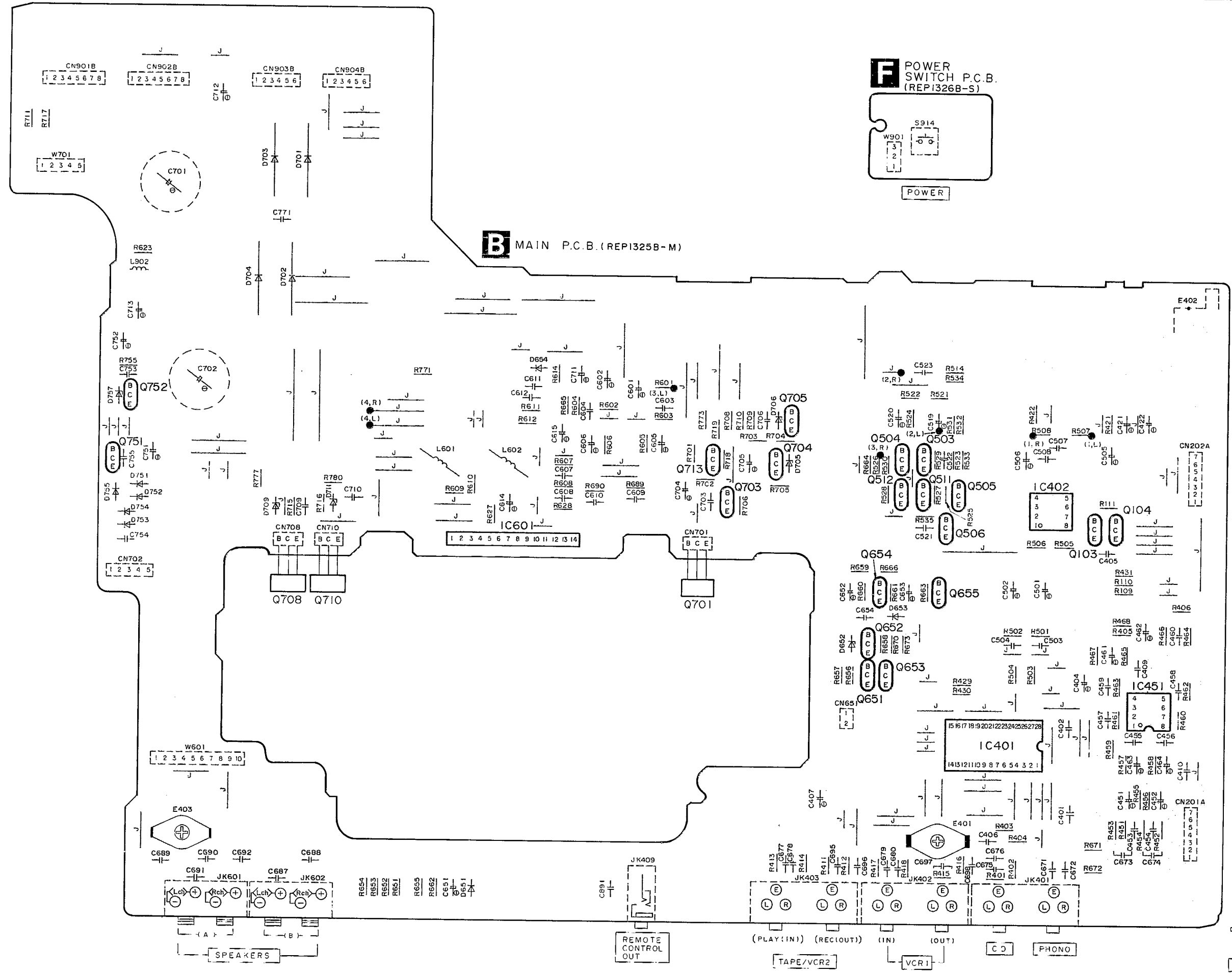


WIRING CONNECTION DIAGRAM

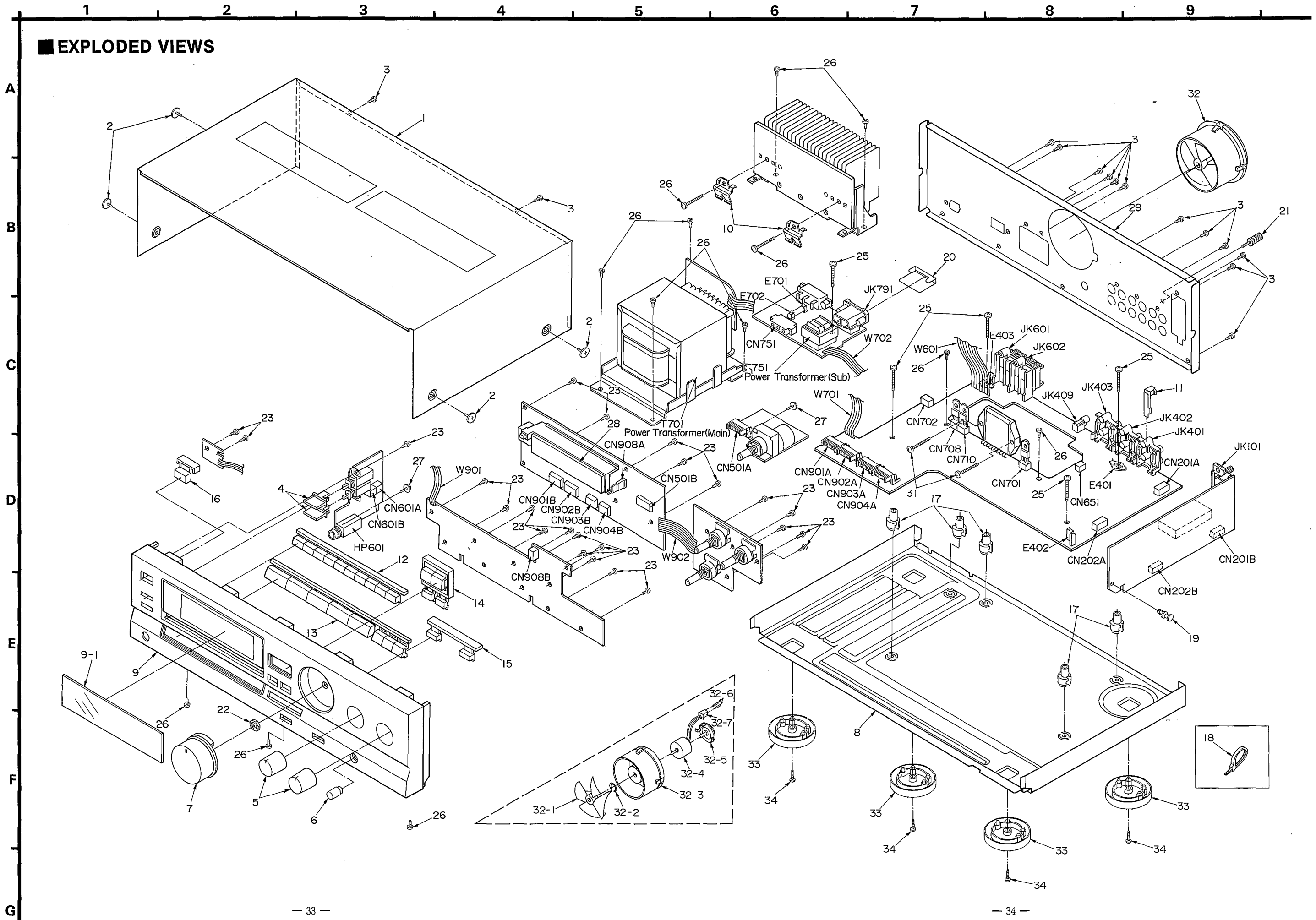


PRINTED CIRCUIT BOARDS





EXPLODED VIEWS



REPLACEMENT PARTS LIST

Notes: *Important safety notice:

 Components identified by Δ mark have special characteristics important for safety.

Furthermore, special parts which have purposes of fire-retardant (resistors), high-quality sound (capacitors), low-noise (resistors), etc. are used.

When replacing any of components, be sure to use only manufacturer's specified parts shown in the parts list.

*The parenthesized indications in the Remarks columns specify the areas. (Refer to the cover page for area.)

Parts without these indications can be used for all areas.

*Remote Control Ass'y:

Supply period for three years from termination of production.

| Ref. No. | Part No. | Part Name & Description | Remarks | Ref. No. | Part No. | Part Name & Description | Remarks |
|----------|--------------|-------------------------|---------|----------|--------------|------------------------------|---------------------|
| | | | | | | PACKING MATERIAL | |
| | | CABINET AND CHASSIS | | | | | |
| 1 | RKM0036B-K | CABINET | | P1 | RP61263 | PACKING CASE | |
| 2 | SNE2129-3 | SCREW | | P2 | RP00328 | PADS | |
| 3 | XTBS3+8JFZ1 | SCREW | | P3 | XZB52X60A01Z | PROTECTION BAG (UNIT) | |
| 4 | RGU0101 | BUTTON, SPEAKERS | | P4 | XZB24X34C04 | PROTECTION BAG (ACCESSORIES) | |
| 5 | RGW0072 | KNOB, TONE CONTROLS | | P5 | RP00164 | PAD | |
| 6 | RGW0073 | KNOB, BALANCE | | | | ACCESSORIES | |
| 7 | RGW0084 | KNOB, VOLUME | | | | | |
| 8 | RMK0035-4 | CHASSIS | | A1 | RFKSAGX130EK | INST. MANUAL ASS'Y | (E) |
| 9 | RFKGAGX130EK | FRONT PANEL ASS'Y | | A1 | RQT1550-B | INSTRUCTION MANUAL | (EB) |
| 9-1 | RKW0089C-Q | TRANSPARENT PANEL | | A2 | RQA0013 | WARRANTY CARD | |
| 10 | RMCO158 | TRANSISTOR HOLDER | | A3 | RQCB0169 | SERVICENTER LIST | |
| 11 | RSCO105 | SHIELD PLATE | | A4 | RJA0019-1K | AC POWER SUPPLY CORD | (E) Δ |
| 12 | RGU0344A-K1 | BUTTON, PRESET TUNING | | A4 | SJA193 | AC POWER SUPPLY CORD | (EB) Δ |
| 13 | RGU0345E-K1 | BUTTON, INPUT SELECTOR | | A5 | RSA0007 | FM INDOOR ANTENNA | |
| 14 | RGU0347-K1 | BUTTON, TUNING | | A6 | SPB1163T | AM LOOP ANTENNA | |
| 15 | RGU0348A-K1 | BUTTON, MODE/LOUDNESS | | A6-1 | SMA231M | AM ANTENNA HOLDER | |
| 16 | RGU0380 | BUTTON, POWER | | A6-2 | XTN3+10AFZ | SCREW | |
| 17 | SHE187-2 | P. C. B. SUPPORT | | A7 | RAK-SA302E | REMOTE CONTROL TRANSMITTER | |
| 18 | SHR301 | FASTNER | | A7-1 | RKK0020-K | BATTERY COVER | FOR R/C TRANSMITTER |
| 19 | SHR8006 | SPACER | | A8 | SJP9009 | ATTACHMENT PLUG | (EB) Δ |
| 20 | RMZ0204 | AC INLET BARRIER | | A9 | RQLA0134 | VOLT. CAUTION LABEL | |
| 21 | SNE2123 | GND TERMINAL | | | | | |
| 22 | XNS7FZ | NUT | | | | | |
| 23 | XTBS26+8J | SCREW | | | | | |
| 25 | XTB3+20JFZ | SCREW | | | | | |
| 26 | XTB3+8JFZ | SCREW | | | | | |
| 27 | XTWS3+10Q | SCREW | | | | | |
| 28 | RMN0170 | FL. HOLDER | | | | | |
| 29 | RGR0145A-A1 | REAR PANEL | (E) | | | | |
| 29 | RGR0145A-B1 | REAR PANEL | (EB) | | | | |
| 31 | XTW3+15T | SCREW | | | | | |
| 32 | SYE1128-2 | COOLING FAN UNIT | | | | | |
| 32-1 | SHE232 | COOLING FAN | | | | | |
| 32-2 | SUS271 | SPRING | | | | | |
| 32-3 | SHE233-1 | COOLING FAN CASE | | | | | |
| 32-4 | MDN-4RB4MRC | MOTOR | | | | | |
| 32-5 | SHE234 | COOLING FAN CASE CAP | | | | | |
| 32-6 | SJT783 | CONNECTOR TERMINAL | | | | | |
| 32-7 | SJS5215 | SOCKET (2P) | | | | | |
| 33 | RKA0009-1 | FOOT | | | | | |
| 34 | XTB3-6J | SCREW | | | | | |

| Ref. No. | Part No. | Part Name & Description | Remarks | Ref. No. | Part No. | Part Name & Description | Remarks |
|-----------|--------------|---------------------------|---------|------------|--------------|--------------------------|---------|
| | | INTEGRATED CIRCUIT(S) | | D101 | MA165 | DIODE | |
| | | | | D204 | MA165 | DIODE | |
| | | | | D206 | MA165 | DIODE | |
| IC101 | LM7001 | IC, PLL FREQ. SYNTHESIZER | | D301 | MA165 | DIODE | |
| IC201 | AN7273A | IC, AM/FM IF AMP&MIXER | | D651 | MA165 | DIODE | |
| IC301 | SVIUPC1161C3 | IC, FM MPX | | D652 | MA4068M | DIODE | |
| IC401 | TC9163N | IC, INPUT SELECTOR | | D653, 654 | MA165 | DIODE | |
| IC402 | M5218AP | IC, BUFFER AMP | | D701-704 | P300DLF | DIODE | △ |
| IC451 | AN6558F | IC, PHONO EQ. AMP | | D705, 706 | MA4062MTA | DIODE | |
| IC471 | UPC4570C | IC, TONE CONTROL | | D709 | MA4270 | DIODE | |
| IC601 | SVI3102D | IC, POWER AMP | △ | D711 | MA4160-L | DIODE | |
| IC851 | BA6218 | IC, MOTOR DRIVE | | D751-754 | 1SR35200TB | DIODE | △ |
| IC901 | MN187125STV | IC, MICRO COMPUTER | | D755 | MA165 | DIODE | |
| | | TRANSISTOR(S) | | D757 | MA4068M | DIODE | |
| | | | | D891, 892 | MA165 | DIODE | |
| Q101, 102 | 2SC2785FE | TRANSISTOR | | D893 | LN846RPH | L. E. D. | |
| Q103, 104 | UN4214TA | TRANSISTOR | | D901 | 1SS291TA | DIODE | |
| Q201, 202 | 2SC2787L | TRANSISTOR | | D902 | MA165 | DIODE | |
| Q204-207 | 2SC1740SQ | TRANSISTOR | | D903 | MA4047MTA | DIODE | |
| Q208, 209 | 2SA933SQR | TRANSISTOR | | D904, 905 | MA165 | DIODE | |
| Q210 | 2SC1740SQ | TRANSISTOR | | D911 | MA165 | DIODE | |
| Q251 | 2SA933SQR | TRANSISTOR | | D913, 914 | MA165 | DIODE | |
| Q252-254 | 2SC1740SQ | TRANSISTOR | | D915 | MA165 | DIODE | |
| Q255, 256 | 2SC2785FE | TRANSISTOR | | | | VARIABLE RESISTOR(S) | |
| Q301, 302 | 2SD1450QRSTA | TRANSISTOR | | VR301 | EVNDXAA00B53 | V. R. MPX VCO ADJ. | |
| Q303 | 2SA933SQR | TRANSISTOR | | VR471, 472 | EWC2XAF25C15 | V. R. TONE CONTROL | |
| Q501, 502 | 2SJ40CDTA | TRANSISTOR | | VR501 | EUMWVYF20B15 | V. R. VOLUME CONTROL | |
| Q503, 504 | 2SC3327-A | TRANSISTOR | | VR502 | EWHFDA014G15 | V. R. BALANCE CONTROL | |
| Q505, 506 | 2SA1309A-R | TRANSISTOR | | | | COMPONENT COMBINATION(S) | |
| Q511, 512 | 2SC3327-A | TRANSISTOR | | | | | |
| Q651 | 2SA1309A-R | TRANSISTOR | | Z202 | SLI7Z101-T | COMPONENT COMBINATION | |
| Q652 | 2SB621AQSTA | TRANSISTOR | | Z251 | RLA6Z002-T | COMPONENT COMBINATION | |
| Q653-655 | 2SA1309A-R | TRANSISTOR | | Z321 | SLA4Z13-Z | COMPONENT COMBINATION | |
| Q701 | 2SD1761DEF | TRANSISTOR | △ | Z891 | RCDHC-677 | REMOTE SENSOR | |
| Q703 | 2SC2631QRSTA | TRANSISTOR | | Z907 | EXFP8331MW | COMPONENT COMBINATION | |
| Q704 | 2SC3311A-Q | TRANSISTOR | | Z908 | EXBF9E104J | COMPONENT COMBINATION | |
| Q705 | 2SC3940AQSTA | TRANSISTOR | | | | COIL(S) | |
| Q708 | 2SB1187DEF | TRANSISTOR | △ | L101 | RLQZPR47KT-Y | COIL | |
| Q710 | 2SB1187DEF | TRANSISTOR | | L203, 204 | ELEPKR22MA | COIL | |
| Q713 | 2SC3311A-Q | TRANSISTOR | △ | L321, 322 | RLM2B003-K | COIL | |
| Q751 | UN421FTA | TRANSISTOR | | L324 | SLM1B10-1M | COIL | |
| Q752 | 2SC3940AQSTA | TRANSISTOR | | L325 | RLQZP1R2KT-Y | COIL | |
| Q814, 815 | UN4211 | TRANSISTOR | | L601, 602 | SLQY07G-40 | COIL | |
| Q891 | UN4113TA | TRANSISTOR | | L701 | SLQZ650MH49 | COIL | △ |
| Q892 | UN4214TA | TRANSISTOR | | L851, 852 | RLQZP1R0KT-Y | COIL | |
| Q893 | 2SA933SQR | TRANSISTOR | | L901, 902 | ELEPK101KA | COIL | |
| Q901 | UN4214TA | TRANSISTOR | | L903 | ELEXT101KA9 | COIL | |
| Q902 | 2SA933SQR | TRANSISTOR | | | | | |
| | | DIODE(S) | | | | | |

| Ref. No. | Part No. | Part Name & Description | Remarks | Ref. No. | Part No. | Part Name & Description | Remarks |
|------------|--------------|-----------------------------|---------|-----------|--------------|-----------------------------|---------|
| | | TRANSFORMER(S) | | S932 | EVQ21405R | SW, BAND SELECT (MW) | |
| | | | | S933 | EVQ21405R | SW, FM MODE | |
| | | | | S934 | EVQ21405R | SW, MEMORY SCAN | |
| T201 | RL14B002-Z | FM OFFSET | | S935 | EVQ21405R | SW, MEMORY | |
| T202 | RL14B003-Z | FM OFFSET | | S936 | EVQ21405R | SW, TUNING (UP) | |
| T701 | RTP1N5B011-V | POWER TRANSFORMER (MAIN) | △ | | | RELAY (S) | |
| T751 | RTP115E003-V | POWER TRANSFORMER (SUB) | △ | | | | |
| | | FILTER(S) & OSCILLATOR(S) | | RL751 | RSY0012-0 | RELAY | △ |
| | | | | | | CONNECTOR(S) & SOCKET(S) | |
| CF201, 202 | RLFKTF2M01LA | RED (10.700MHz) | | CN201A | RJT057W007-1 | CONNECTOR (7P) | |
| CF201, 202 | RLFKTF2M01LB | BLUE (10.675MHz) | | CN201B | RJU057W007 | SOCKET (7P) | |
| CF201, 202 | RLFKTF2M01LC | ORANGE (10.725MHz) | | CN202A | RJT057W007-1 | CONNECTOR (7P) | |
| CF901 | EFGGC4194T4 | OSCILLATOR (4.19MHz) | | CN202B | RJU057W007 | SOCKET (7P) | |
| X101 | SVQ49U722-S | OSCILLATOR (7.2MHz) | | CN501A | RJU003K010M1 | SOCKET (10P) | |
| | | FL DISPLAY(S) | | CN501B | RJT003K010-1 | CONNECTOR (10P) | |
| FL901 | RSL0116-F | FL DISPLAY | △ | CN601A | RJS1A1705 | CONNECTOR (5P) | |
| | | FM FRONT END PACK(S) | | CN601B | RJS1A1705 | CONNECTOR (5P) | |
| | | | | CN651 | SJT3213 | CONNECTOR (2P) | |
| TN101 | SNVFE337G01 | FM FRONT END PACK | | CN701 | RJS1A1703 | CONNECTOR (3P) | |
| | | FUSE (S) | | CN702 | RJS1A1705 | CONNECTOR (5P) | |
| FI | XBA2C16TB0 | FUSE (1.6A, 250V) | △ | CN708 | RJS1A1703 | CONNECTOR (3P) | |
| | | SWITCH(ES) | | CN710 | RJS1A1703 | CONNECTOR (3P) | |
| S601 | RSP2008-J | SW, SPEAKERS | | CN751 | SJS305-1 | SOCKET (3P) | |
| S701 | ESD26606A | SW, VOLTAGE ADJ. | △ | CN901A | RJT003K008-1 | CONNECTOR (8P) | |
| S901 | EVQ21405R | SW, PRESET TUNING 1 | | CN901B | RJU003K008M1 | SOCKET (8P) | |
| S902 | EVQ21405R | SW, PRESET TUNING 2 | | CN902A | RJT003K008-1 | CONNECTOR (8P) | |
| S903 | EVQ21405R | SW, PRESET TUNING 3 | | CN902B | RJU003K008M1 | SOCKET (8P) | |
| S904 | EVQ21405R | SW, PRESET TUNING 4 | | CN903A | RJT003K006-1 | CONNECTOR (6P) | |
| S905 | EVQ21405R | SW, PRESET TUNING 5 | | CN903B | RJU003K006M1 | SOCKET (6P) | |
| S906 | EVQ21405R | SW, PRESET TUNING 6 | | CN904A | RJT003K006-1 | CONNECTOR (6P) | |
| S907 | EVQ21405R | SW, PRESET TUNING 7 | | CN904B | RJU003K006M1 | SOCKET (6P) | |
| S908 | EVQ21405R | SW, PRESET TUNING 8 | | CN908A | SJT30548BB1 | CONNECTOR (5P) | |
| S909 | EVQ21405R | SW, PRESET TUNING 9 | | CN908B | SJS50581BB | SOCKET (5P) | |
| S910 | EVQ21405R | SW, PRESET TUNING 0 | | | | GND PLATE (S) | |
| S914 | EVQ21405R | SW, POWER | | E401 | SNE1004-1 | GND PLATE | |
| S916 | EVQ21405R | SW, INPUT SELECT. PHONO | | E402 | SME103-6 | GND PLATE | |
| S917 | EVQ21405R | SW, INPUT SELECT. TUNER | | E403 | SNE1004-1 | GND PLATE | |
| S918 | EVQ21405R | SW, INPUT SELECT. TAPE/VCR2 | | E701, 702 | EYF52BC | FUSE HOLDER | |
| S922 | EVQ21405R | SW, INPUT SELECT. VCR1 | | | | JACK (S) | |
| S923 | EVQ21405R | SW, INPUT SELECT. CD | | JK101 | RJH4202 | ANTENNA CONNECTION TERMINAL | |
| S925 | EVQ21405R | SW, LOUDNESS | | JK401 | SJF3069N | PHONO, CD TERMINAL | |
| S929 | EVQ21405R | SW, TUNING (DOWN) | | JK402 | SJF3069N | VCR1 TERMINAL | |
| S930 | EVQ21405R | SW, BAND SELECT (FM) | | JK403 | SJF3069N | TAPE/VCR2 TERMINAL | |
| S931 | EVQ21405R | SW, BAND SELECT (LW) | | JK409 | RJJ33TR01 | REMOTE CONTROL OUT TERMINAL | |
| | | | | JK601 | RJR0054 | SPEAKER CONNECTER, A | |

| Ref. No. | Part No. | Part Name & Description | Remarks | | | | |
|----------|--------------|-------------------------|---------|--|--|--|--|
| JK602 | RJR0054 | SPEAKER CONNECTTER, B | | | | | |
| JK791 | SJS9236 | AC INLET | △ | | | | |
| HP601 | RJJ63TS01 | HEADPHONES JACK | | | | | |
| | | FLAT CABLE(S) | | | | | |
| W601 | RWJ1810340KQ | FLAT CABLE (10P) | | | | | |
| W701 | RWJ1805260KK | FLAT CABLE (5P) | | | | | |
| W702 | RWJ1805220KQ | FLAT CABLE (5P) | | | | | |
| W901 | RWJ1803080KK | FLAT CABLE (3P) | | | | | |
| W902 | RWJ1808080KC | FLAT CABLE (8P) | | | | | |
| | | | | | | | |
| | | | | | | | |

RESISTORS & CAPACITORS

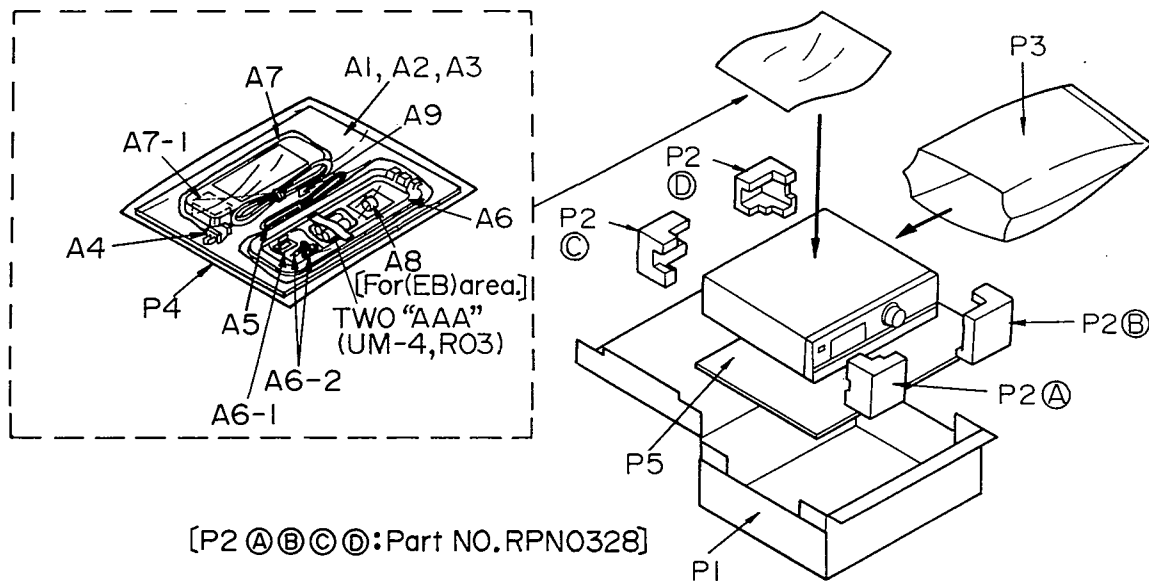
Notes : * Capacity values are in microfarads (uF) unless specified otherwise, P=Pico-farads (pF) F=Farads (F)
 * Resistance values are in ohms, unless specified otherwise, 1K=1,000 (OHM) , 1M=1,000k (OHM)

| Ref. No. | Part No. | Values & Remarks | Ref. No. | Part No. | Values & Remarks | Ref. No. | Part No. | Values & Remarks |
|----------|------------|------------------|----------|-------------|------------------|-----------|-------------|------------------|
| | | RESISTORS | R218 | ERDS2TJ563 | 1/4W 56K | R263 | ERDS2TJ153 | 1/4W 15K |
| | | | R219 | ERDS2TJ223 | 1/4W 22K | R264 | ERDS2TJ102 | 1/4W 1K |
| | | | R220 | ERDS2TJ103 | 1/4W 10K | R301 | ERDS2TJ393 | 1/4W 39K |
| R101 | ERDS2TJ103 | 1/4W 10K | R221 | ERDS2TJ104 | 1/4W 100K | R302 | ERDS2TJ151 | 1/4W 150 |
| R102 | ERDS2TJ103 | 1/4W 10K | R222 | ERDS2TJ473 | 1/4W 47K | R303, 304 | ERDS2TJ223 | 1/4W 22K |
| R104 | ERDS2TJ102 | 1/4W 1K | R223 | ERDS2TJ154 | 1/4W 150K | R305, 306 | ERDS2TJ272T | 1/4W 2.7K |
| R105 | ERDS2TJ561 | 1/4W 560 | R224 | ERDS2TJ223 | 1/4W 22K | R307, 308 | ERDS2TJ562 | 1/4W 5.6K |
| R106 | ERDS2TJ562 | 1/4W 5.6K | R226 | ERDS2TJ103 | 1/4W 10K | R309 | ERDS2TJ124T | 1/4W 120K |
| R107 | ERDS2TJ103 | 1/4W 10K | R228 | ERDS2TJ123 | 1/4W 12K | R311 | ERDS2TJ102 | 1/4W 1K |
| R108 | ERDS2TJ151 | 1/4W 150 | R230 | ERDS2TJ104 | 1/4W 100K | R312 | ERDS2TJ153 | 1/4W 15K |
| R109-111 | ERDS2TJ104 | 1/4W 100K | R231 | ERDS2TJ102 | 1/4W 1K | R313, 314 | ERDS2TJ473 | 1/4W 47K |
| R201 | ERDS2TJ822 | 1/4W 8.2K | R232 | ERDS2TJ122 | 1/4W 1.2K | R315 | ERDS2TJ103 | 1/4W 10K |
| R202 | ERDS2TJ474 | 1/4W 470K | R233 | ERDS2TJ684 | 1/4W 680K | R316 | ERDS2TJ222 | 1/4W 2.2K |
| R203 | ERDS2TJ331 | 1/4W 330 | R234 | ERDS2TJ103 | 1/4W 10K | R317 | ERDS2TJ473 | 1/4W 47K |
| R204 | ERDS2TJ824 | 1/4W 820K | R235 | ERDS2TJ471 | 1/4W 470 | R321, 322 | ERDS2TJ153 | 1/4W 15K |
| R205 | ERDS2TJ391 | 1/4W 390 | R236 | ERDS2TJ183T | 1/4W 18K | R325, 326 | ERDS2TJ102 | 1/4W 1K |
| R206 | ERDS2TJ561 | 1/4W 560 | R238 | ERDS2TJ271 | 1/4W 270 | R401, 402 | ERDS2TJ332 | 1/4W 3.3K |
| R207 | ERDS2TJ822 | 1/4W 8.2K | R240 | ERDS2TJ152 | 1/4W 1.5K | R403, 404 | ERDS2TJ822 | 1/4W 8.2K |
| R208 | ERDS2TJ102 | 1/4W 1K | R247 | ERDS2TJ103 | 1/4W 10K | R405, 406 | ERDS2TJ102 | 1/4W 1K |
| R209 | ERDS2TJ471 | 1/4W 470 | R251 | ERDS2TJ103 | 1/4W 10K | R411-414 | ERDS2TJ222 | 1/4W 2.2K |
| R210 | ERDS2TJ332 | 1/4W 3.3K | R252 | ERDS2TJ822 | 1/4W 8.2K | R415-418 | ERDS2TJ102 | 1/4W 1K |
| R211 | ERDS2TJ222 | 1/4W 2.2K | R253 | ERDS2TJ182 | 1/4W 1.8K | R421, 422 | ERDS2TJ222 | 1/4W 2.2K |
| R212 | ERDS2TJ153 | 1/4W 15K | R254 | ERDS2TJ223 | 1/4W 22K | R429-431 | ERDS2TJ103 | 1/4W 10K |
| R213 | ERDS2TJ104 | 1/4W 100K | R256 | ERDS2TJ102 | 1/4W 1K | R451, 452 | ERDS2TJ391 | 1/4W 390 |
| R214 | ERDS2TJ824 | 1/4W 820K | R258 | ERDS2TJ122 | 1/4W 1.2K | R453, 454 | ERDS2TJ224T | 1/4W 220K |
| R215 | ERDS2TJ153 | 1/4W 15K | R259 | ERDS2TJ223 | 1/4W 22K | R455, 456 | ERDS2TJ563 | 1/4W 56K |
| R216 | ERDS2TJ563 | 1/4W 56K | R261 | ERDS2TJ102 | 1/4W 1K | R457, 458 | ERDS2TJ271 | 1/4W 270 |
| R217 | ERDS2TJ223 | 1/4W 22K | R262 | ERDS2TJ332 | 1/4W 3.3K | R459, 460 | ERDS2TJ680T | 1/4W 68 |

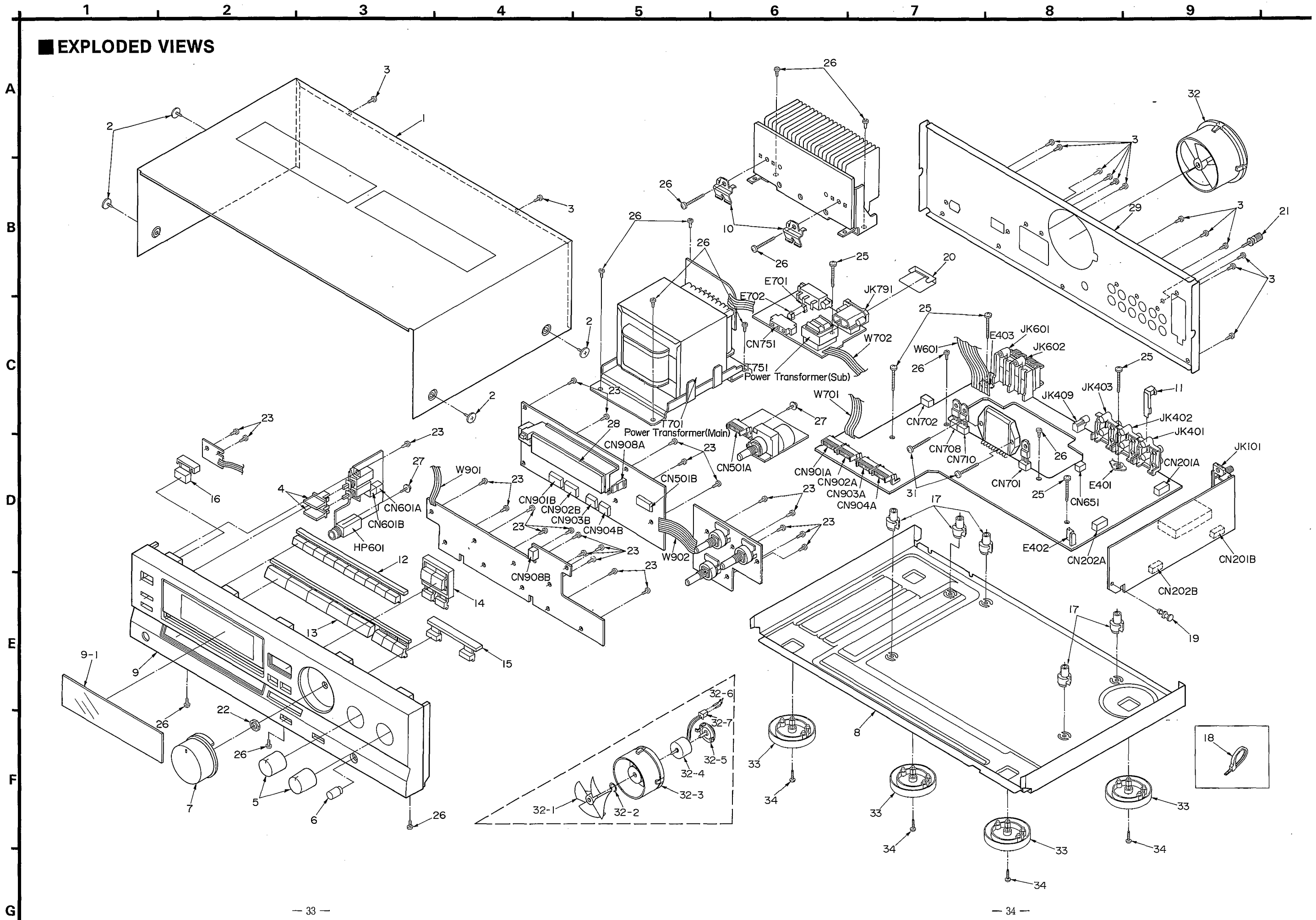
| Ref. No. | Part No. | Values & Remarks | Ref. No. | Part No. | Values & Remarks | Ref. No. | Part No. | Values & Remarks |
|-----------|--------------|--------------------|-----------|--------------|---------------------|-----------|--------------|------------------|
| R461, 462 | ERDS2TJ184T | 1/4W 180K | R673 | ERDS2TJ332 | 1/4W 3. 3K | C106 | ECKR1H103ZF5 | 50V 0. 01U |
| R463, 464 | ERDS2TJ123 | 1/4W 12K | R689, 690 | ERDS2TJ221 | 1/4W 220 | C107 | ECKT1H223ZF | 50V 0. 022U |
| R465, 466 | ERDS2TJ563 | 1/4W 56K | R701 | ERDS1FVJ332T | 1/2W 3. 3K Δ | C108 | ECEA1EKA4R7B | 25V 4. 7U |
| R467, 468 | ERDS2TJ102 | 1/4W 1K | R702 | ERDS2TJ122 | 1/4W 1. 2K | C109 | ECEA1CU330 | 16V 33U |
| R471, 472 | ERDS2TJ104 | 1/4W 100K | R703 | ERDS2TJ272T | 1/4W 2. 7K | C110, 111 | ECBT1H102KB5 | 50V 1000P |
| R473, 474 | ERDS2TJ474 | 1/4W 470K | R704 | ERDS2TJ222 | 1/4W 2. 2K | C201, 202 | ECKR1H103ZF5 | 50V 0. 01U |
| R475, 476 | ERDS2TJ182 | 1/4W 1. 8K | R705 | ERDS2TJ272T | 1/4W 2. 7K Δ | C204 | ECBT1H470J5 | 50V 47P |
| R477, 478 | ERDS2TJ392T | 1/4W 3. 9K | R706 | ERDS2TJ102 | 1/4W 1K Δ | C205 | ECKT1H223ZF | 50V 0. 022U |
| R479, 480 | ERDS2TJ223 | 1/4W 22K | R708, 709 | ERDS1FVJ180T | 1/2W 18 Δ | C206 | ECBT1H150JC5 | 50V 15P |
| R481, 482 | ERDS2TJ332 | 1/4W 3. 3K | R710 | ERDS2TJ272T | 1/4W 2. 7K | C207 | ECBT1C103MS5 | 16V 0. 01U |
| R485, 486 | ERDS2TJ223 | 1/4W 22K | R711 | ERDS1FJ270 | 1/2W 27 Δ | C208 | ECEAJU101B | 6. 3V 100U |
| R487, 488 | ERDS2TJ122 | 1/4W 1. 2K | R715 | ERDS2TJ103 | 1/4W 10K Δ | C209 | ECEA1HKA100B | 50V 10U |
| R489, 490 | ERDS2TJ821 | 1/4W 820 | R716 | ERDS2TJ222 | 1/4W 2. 2K | C210-212 | ECKT1H223ZF | 50V 0. 022U |
| R501, 502 | ERDS2TJ104 | 1/4W 100K | R717 | ERD25FVJ150T | 1/4W 15 Δ | C213 | ECBT1H101KB5 | 50V 100P |
| R503, 504 | ERDS2TJ102 | 1/4W 1K | R718, 719 | ERDS2TJ1R5T | 1/4W 1. 5 Δ | C214 | ECEA1CKA100B | 16V 10U |
| R505-508 | ERDS2TJ104 | 1/4W 100K | R755 | ERDS2TJ102 | 1/4W 1K | C215 | ECKR1H103ZF5 | 50V 0. 01U |
| R509, 510 | ERDS2TJ103 | 1/4W 10K | R771 | ERDS1FVJ2R2T | 1/2W 2. 2 Δ | C216 | ECEA1CKA100B | 16V 10U |
| R513 | ERDS2TJ153 | 1/4W 15K | R773 | ERDS1FVJ6R8T | 1/2W 6. 8 Δ | C217 | ECEA1HKA010B | 50V 1U |
| R514 | ERDS2TJ394 | 1/4W 390K | R777 | ERDS1FVJ4R7T | 1/2W 27 Δ | C220 | ECEA1CKA100B | 16V 10U |
| R521, 522 | ERDS2TJ104 | 1/4W 100K | R780 | ERDS1FVJ4R7T | 1/2W 4. 7 Δ | C221 | ECFR1E183KR | 25V 0. 018U |
| R523, 524 | ERDS2TJ222 | 1/4W 2. 2K | R839, 840 | ERDS2TJ153 | 1/4W 15K | C222 | ECQB1H473KF3 | 50V 0. 047U |
| R525, 526 | ERDS2TJ221 | 1/4W 220 | R851 | ERDS1FVJ2R2T | 1/2W 2. 2 Δ | C225 | ECBT1H180JC5 | 50V 18P |
| R527-530 | ERDS2TJ102 | 1/4W 1K | R891, 892 | ERDS2TJ102 | 1/4W 1K | C226 | ECKR1H103ZF5 | 50V 0. 01U |
| R531 | ERDS2TJ394 | 1/4W 390K | R893 | ERDS2TJ472 | 1/4W 4. 7K | C227 | ECEA1CKA100B | 16V 10U |
| R532 | ERDS2TJ103 | 1/4W 10K | R901 | ERDS2TJ102 | 1/4W 1K | C228 | ECBT1H8R2KC5 | 50V 8. 2P |
| R533 | ERDS2TJ104 | 1/4W 100K | R902 | ERDS2TJ681 | 1/4W 680 | C229 | ECBT1H102KB5 | 50V 1000P |
| R534 | ERDS2TJ103 | 1/4W 10K | R903, 904 | ERDS2TJ103 | 1/4W 10K | C230 | ECBT1H471KB5 | 50V 470P |
| R535 | ERDS2TJ104 | 1/4W 100K | R905, 906 | ERDS2TJ102 | 1/4W 1K | C251 | ECKT1H223ZF | 50V 0. 022U |
| R601, 602 | ERDS2TJ102 | 1/4W 1K | R907, 908 | ERDS2TJ182 | 1/4W 1. 8K | C252 | ECEA1HKA010B | 50V 1U |
| R603, 604 | ERDS2TJ563 | 1/4W 56K | R909, 910 | ERDS2TJ222 | 1/4W 2. 2K | C253 | ECKT1H223ZF | 50V 0. 022U |
| R605, 606 | ERDS2TJ332 | 1/4W 3. 3K | R911, 912 | ERDS2TJ392T | 1/4W 3. 9K | C301 | ECEA1CM101B | 16V 100U |
| R607, 608 | ERDS2TJ563 | 1/4W 56K | R913, 914 | ERDS2TJ562 | 1/4W 5. 6K | C302 | ECEA1HKAR47B | 50V 0. 47U |
| R609, 610 | ERDS2TJ470 | 1/4W 47 | R915, 916 | ERDS2TJ123 | 1/4W 12K | C303 | ECEA1HKA010B | 50V 1U |
| R611, 612 | ERDS1FVJ100T | 1/2W 10 Δ | R917, 918 | ERDS2TJ273 | 1/4W 27K | C304-306 | ECEA1HKA3R3B | 50V 3. 3U |
| R614 | ERD25FJ470 | 1/4W 47 Δ | R919 | ERDS2TJ224T | 1/4W 220K | C307, 308 | ECFR1E392KR | 25V 3900P |
| R619, 620 | ERG2SJ331P | 2W 330 | R920 | ERDS2TJ222 | 1/4W 2. 2K | C309 | ECKT1H223ZF | 50V 0. 022U |
| R623 | ERDS2TJ684 | 1/4W 680K Δ | R921 | ERDS2TJ103 | 1/4W 10K | C310 | ECFR1E473KR | 25V 0. 047U |
| R627 | ERDS2TJ154 | 1/4W 150K Δ | R922, 923 | ERDS2TJ472 | 1/4W 4. 7K | C311 | ECQP1471JZ | 50V 470P |
| R628 | ERDS2TJ684 | 1/4W 680K | R924-926 | ERDS2TJ104 | 1/4W 100K | C312 | ECEA1EKA4R7B | 25V 4. 7U |
| R651-654 | ERDS2TJ223 | 1/4W 22K | R927 | ERDS2TJ181T | 1/4W 180 | C313, 314 | ECBT1H102KB5 | 50V 1000P |
| R655 | ERDS2TJ682T | 1/4W 6. 8K | R930, 931 | ERD25FJ101 | 1/4W 100 Δ | C321 | ECEA1CKA100B | 16V 10U |
| R656 | ERDS2TJ103 | 1/4W 10K | R937 | ERDS2TJ103 | 1/4W 10K | C323, 324 | ECFR1E332KR | 25V 3300P |
| R657 | ERDS2TJ220T | 1/4W 22 | R938 | ERDS2TJ104 | 1/4W 100K | C325 | ECBT1H330J5 | 50V 33P |
| R658 | ERDS2TJ223 | 1/4W 22K | R941 | ERDS2TJ103 | 1/4W 10K | C326 | ECKR1H103ZF5 | 50V 0. 01U |
| R659 | ERDS2TJ222 | 1/4W 2. 2K | R943, 944 | ERDS2TJ104 | 1/4W 100K | C401, 402 | ECBT1E103ZF | 25V 0. 01U |
| R660 | ERDS2TJ103 | 1/4W 10K | R945-947 | ERDS2TJ331 | 1/4W 330 | C404 | ECEA1HKA010B | 50V 1U |
| R661, 662 | ERDS2TJ333 | 1/4W 33K | | | | C405, 406 | ECBT1H101KB5 | 50V 100P |
| R663 | ERDS2TJ153 | 1/4W 15K | | | CAPACITORS | C407 | ECEAJU101B | 6. 3V 100U |
| R664, 665 | ERDS2TJ103 | 1/4W 10K | | | | C409, 410 | ECBT1E103ZF | 25V 0. 01U |
| R666 | ERDS2TJ104 | 1/4W 100K | C101, 102 | ECBT1H150JC5 | 50V 15P | C421, 422 | ECEA1CKA220B | 16V 22U |
| R670 | ERDS1FVJ390T | 1/2W 39 Δ | C103 | ECBT1H102KB5 | 50V 1000P | C451, 452 | ECEA1EKA4R7B | 25V 4. 7U |
| R671, 672 | ERDS2TJ471 | 1/4W 470 | C105 | ECEAJU221 | 6. 3V 220U | C453, 454 | ECBT1H101KB5 | 50V 100P |

| Ref. No. | Part No. | Values & Remarks | Ref. No. | Part No. | Values & Remarks | Ref. No. | Part No. | Values & Remarks |
|-----------|--------------|------------------|-----------|--------------|--------------------|-----------|--------------|---------------------|
| C455, 456 | ECBT1H102KB5 | 50V 1000P | C607, 608 | ECCD1H150KC | 50V 15P | C710 | ECKR1H103ZF5 | 50V 0.01U |
| C457, 458 | ECFR1E223KR | 25V 0.022U | C609, 610 | ECBT1H821KB5 | 50V 820P | C711 | ECA1CM101B | 16V 100U |
| C459, 460 | ECFR1E682KR | 25V 6800P | C611, 612 | ECFR1E223KR | 25V 0.022U | C712 | ECEA1VU470 | 35V 47U |
| C461, 462 | ECEA1EKA4R7B | 25V 4.7U | C614 | ECEA1HU330 | 50V 33U | C713 | ECEA1AU101 | 10V 100U |
| C463, 464 | ECEA1AKA330B | 10V 33U | C615 | ECEA2AU100 | 100V 10U | C751 | ECA1EM102E | 25V 1000U |
| C471, 472 | ECBT1H150JC5 | 50V 15P | C651 | ECEA1HKA2R2B | 50V 2.2U | C752 | ECEA1CU470 | 16V 47U |
| C473, 474 | ECBT1H101KB5 | 50V 100P | C652 | ECEA1CKA100B | 16V 10U | C753 | ECBT1E103ZF | 25V 0.01U |
| C475, 476 | ECBT1H221KB5 | 50V 220P | C653 | ECEA0JU221 | 6.3V 220U | C754 | ECKR1H103ZF5 | 50V 0.01U Δ |
| C477, 478 | ECEA1CKA100B | 16V 10U | C654 | ECKT1H223ZF | 50V 0.022U | C755 | ECBT1E103ZF | 25V 0.01U |
| C479, 480 | ECFR1E123KR | 25V 0.012U | C671, 672 | ECBT1H180JC5 | 50V 18P | C771 | ECQE2104KF3 | 250V 0.1U Δ |
| C481, 482 | ECFR1E683KR | 25V 0.068U | C673, 674 | ECBT1H221KB5 | 50V 220P | C791 | ECKWNS103ZVS | 500V 0.01U Δ |
| C483, 484 | ECFR1E562KR | 25V 5600P | C675, 676 | ECBT1H101KB5 | 50V 100P | C851, 852 | ECEA0JU101B | 6.3V 100U |
| C485, 486 | ECFR1E273KR | 25V 0.027U | C677, 678 | ECBT1H331KB5 | 50V 330P | C853, 854 | ECFR1E104KR | 25V 0.1U |
| C487, 488 | ECBT1E103ZF | 25V 0.01U | C679, 680 | ECBT1H101KB5 | 50V 100P | C891 | ECFR1E392KR | 25V 3900P |
| C489-492 | ECEA1CKA100B | 16V 10U | C687, 688 | ECKR1H103ZF5 | 50V 0.01U | C901 | ECEA0JU102 | 6.3V 1000U |
| C501, 502 | ECEA1EKA4R7B | 25V 4.7U | C689, 690 | ECKT1H101KB | 50V 100P | C902 | ECBT1E103ZF | 25V 0.01U |
| C503, 504 | ECBT1H101KB5 | 50V 100P | C691, 692 | ECKR1H103ZF5 | 50V 0.01U | C904, 905 | ECEA0JU102 | 6.3V 1000U |
| C505, 506 | ECEA1EKA4R7B | 25V 4.7U | C693-696 | ECBT1H331KB5 | 50V 330P | C906 | ECBT1E103ZF | 25V 0.01U |
| C507, 508 | ECBT1E103ZF | 25V 0.01U | C697, 698 | ECBT1H101KB5 | 50V 100P | C911, 912 | ECEA2AU100 | 100V 10U Δ |
| C509, 510 | ECFR1E333KR | 25V 0.033U | C701, 702 | ECES1HV822UM | 50V 8200P Δ | C913 | ECEA1HKA100B | 50V 10U Δ |
| C519, 520 | ECEA1EKA4R7B | 25V 4.7U | C703 | ECKR1H103ZF5 | 50V 0.01U | C914 | ECEA1HKA100B | 50V 10U |
| C521-523 | ECBT1E103ZF | 25V 0.01U | C704 | ECA1VM101B | 35V 100U | C916 | ECEA1HKA101B | 50V 1U |
| C601, 602 | ECEA1EKA4R7B | 25V 4.7U | C705 | ECA1CM101B | 16V 100U | | | |
| C603, 604 | ECBT1H271KB5 | 50V 270P | C706 | ECKR1H103ZF5 | 50V 0.01U | | | |
| C605, 606 | ECEA1CKA220B | 16V 22U | C709 | ECKR1H103ZF5 | 50V 0.01U Δ | | | |

■ PACKAGING



EXPLODED VIEWS



REPLACEMENT PARTS LIST

Notes: *Important safety notice:

 Components identified by Δ mark have special characteristics important for safety.

Furthermore, special parts which have purposes of fire-retardant (resistors), high-quality sound (capacitors), low-noise (resistors), etc. are used.

When replacing any of components, be sure to use only manufacturer's specified parts shown in the parts list.

*The parenthesized indications in the Remarks columns specify the areas. (Refer to the cover page for area.)

Parts without these indications can be used for all areas.

*Remote Control Ass'y:

Supply period for three years from termination of production.

| Ref. No. | Part No. | Part Name & Description | Remarks | Ref. No. | Part No. | Part Name & Description | Remarks |
|----------|--------------|-------------------------|---------|----------|--------------|------------------------------|---------------------|
| | | | | | | PACKING MATERIAL | |
| | | CABINET AND CHASSIS | | | | | |
| 1 | RKM0036B-K | CABINET | | P1 | RP61263 | PACKING CASE | |
| 2 | SNE2129-3 | SCREW | | P2 | RPN0328 | PADS | |
| 3 | XTBS3+8JFZ1 | SCREW | | P3 | XZB52X60A01Z | PROTECTION BAG (UNIT) | |
| 4 | RGU0101 | BUTTON, SPEAKERS | | P4 | XZB24X34C04 | PROTECTION BAG (ACCESSORIES) | |
| 5 | RGW0072 | KNOB, TONE CONTROLS | | P5 | RPQ0164 | PAD | |
| 6 | RGW0073 | KNOB, BALANCE | | | | ACCESSORIES | |
| 7 | RGW0084 | KNOB, VOLUME | | | | | |
| 8 | RMK0035-4 | CHASSIS | | A1 | RFKSAGX130EK | INST. MANUAL ASS'Y | (E) |
| 9 | RFKGAGX130EK | FRONT PANEL ASS'Y | | A1 | RQT1550-B | INSTRUCTION MANUAL | (EB) |
| 9-1 | RKW0089C-Q | TRANSPARENT PANEL | | A2 | RQA0013 | WARRANTY CARD | |
| 10 | RMCO158 | TRANSISTOR HOLDER | | A3 | RQCB0169 | SERVICENTER LIST | |
| 11 | RSCO105 | SHIELD PLATE | | A4 | RJA0019-1K | AC POWER SUPPLY CORD | (E) Δ |
| 12 | RGU0344A-K1 | BUTTON, PRESET TUNING | | A4 | SJA193 | AC POWER SUPPLY CORD | (EB) Δ |
| 13 | RGU0345E-K1 | BUTTON, INPUT SELECTOR | | A5 | RSA0007 | FM INDOOR ANTENNA | |
| 14 | RGU0347-K1 | BUTTON, TUNING | | A6 | SPB1163T | AM LOOP ANTENNA | |
| 15 | RGU0348A-K1 | BUTTON, MODE/LOUDNESS | | A6-1 | SMA231M | AM ANTENNA HOLDER | |
| 16 | RGU0380 | BUTTON, POWER | | A6-2 | XTN3+10AFZ | SCREW | |
| 17 | SHE187-2 | P. C. B. SUPPORT | | A7 | RAK-SA302E | REMOTE CONTROL TRANSMITTER | |
| 18 | SHR301 | FASTNER | | A7-1 | RKK0020-K | BATTERY COVER | FOR R/C TRANSMITTER |
| 19 | SHR8006 | SPACER | | A8 | SJP9009 | ATTACHMENT PLUG | (EB) Δ |
| 20 | RMZ0204 | AC INLET BARRIER | | A9 | RQLA0134 | VOLT. CAUTION LABEL | |
| 21 | SNE2123 | GND TERMINAL | | | | | |
| 22 | XNS7FZ | NUT | | | | | |
| 23 | XTBS26+8J | SCREW | | | | | |
| 25 | XTB3+20JFZ | SCREW | | | | | |
| 26 | XTB3+8JFZ | SCREW | | | | | |
| 27 | XTWS3+10Q | SCREW | | | | | |
| 28 | RMN0170 | FL. HOLDER | | | | | |
| 29 | RGR0145A-A1 | REAR PANEL | (E) | | | | |
| 29 | RGR0145A-B1 | REAR PANEL | (EB) | | | | |
| 31 | XTW3+15T | SCREW | | | | | |
| 32 | SYE1128-2 | COOLING FAN UNIT | | | | | |
| 32-1 | SHE232 | COOLING FAN | | | | | |
| 32-2 | SUS271 | SPRING | | | | | |
| 32-3 | SHE233-1 | COOLING FAN CASE | | | | | |
| 32-4 | MDN-4RB4MRC | MOTOR | | | | | |
| 32-5 | SHE234 | COOLING FAN CASE CAP | | | | | |
| 32-6 | SJT783 | CONNECTOR TERMINAL | | | | | |
| 32-7 | SJS5215 | SOCKET(2P) | | | | | |
| 33 | RKA0009-1 | FOOT | | | | | |
| 34 | XTB3-6J | SCREW | | | | | |

| Ref. No. | Part No. | Part Name & Description | Remarks | Ref. No. | Part No. | Part Name & Description | Remarks |
|-----------|--------------|---------------------------|---------|------------|--------------|--------------------------|---------|
| | | INTEGRATED CIRCUIT(S) | | D101 | MA165 | DIODE | |
| | | | | D204 | MA165 | DIODE | |
| | | | | D206 | MA165 | DIODE | |
| IC101 | LM7001 | IC, PLL FREQ. SYNTHESIZER | | D301 | MA165 | DIODE | |
| IC201 | AN7273A | IC, AM/FM IF AMP&MIXER | | D651 | MA165 | DIODE | |
| IC301 | SVIUPC1161C3 | IC, FM MPX | | D652 | MA4068M | DIODE | |
| IC401 | TC9163N | IC, INPUT SELECTOR | | D653, 654 | MA165 | DIODE | |
| IC402 | M5218AP | IC, BUFFER AMP | | D701-704 | P300DLF | DIODE | △ |
| IC451 | AN6558F | IC, PHONO EQ. AMP | | D705, 706 | MA4062MTA | DIODE | |
| IC471 | UPC4570C | IC, TONE CONTROL | | D709 | MA4270 | DIODE | |
| IC601 | SVI3102D | IC, POWER AMP | △ | D711 | MA4160-L | DIODE | |
| IC851 | BA6218 | IC, MOTOR DRIVE | | D751-754 | 1SR35200TB | DIODE | △ |
| IC901 | MN187125STV | IC, MICRO COMPUTER | | D755 | MA165 | DIODE | |
| | | TRANSISTOR(S) | | D757 | MA4068M | DIODE | |
| | | | | D891, 892 | MA165 | DIODE | |
| Q101, 102 | 2SC2785FE | TRANSISTOR | | D893 | LN846RPH | L. E. D. | |
| Q103, 104 | UN4214TA | TRANSISTOR | | D901 | 1SS291TA | DIODE | |
| Q201, 202 | 2SC2787L | TRANSISTOR | | D902 | MA165 | DIODE | |
| Q204-207 | 2SC1740SQ | TRANSISTOR | | D903 | MA4047MTA | DIODE | |
| Q208, 209 | 2SA933SQR | TRANSISTOR | | D904, 905 | MA165 | DIODE | |
| Q210 | 2SC1740SQ | TRANSISTOR | | D911 | MA165 | DIODE | |
| Q251 | 2SA933SQR | TRANSISTOR | | D913, 914 | MA165 | DIODE | |
| Q252-254 | 2SC1740SQ | TRANSISTOR | | D915 | MA165 | DIODE | |
| Q255, 256 | 2SC2785FE | TRANSISTOR | | | | VARIABLE RESISTOR(S) | |
| Q301, 302 | 2SD1450QRSTA | TRANSISTOR | | VR301 | EVNDXAA00B53 | V. R. MPX VCO ADJ. | |
| Q303 | 2SA933SQR | TRANSISTOR | | VR471, 472 | EWC2XAF25C15 | V. R. TONE CONTROL | |
| Q501, 502 | 2SJ40CDTA | TRANSISTOR | | VR501 | EUMWVYF20B15 | V. R. VOLUME CONTROL | |
| Q503, 504 | 2SC3327-A | TRANSISTOR | | VR502 | EWHFDA014G15 | V. R. BALANCE CONTROL | |
| Q505, 506 | 2SA1309A-R | TRANSISTOR | | | | COMPONENT COMBINATION(S) | |
| Q511, 512 | 2SC3327-A | TRANSISTOR | | | | | |
| Q651 | 2SA1309A-R | TRANSISTOR | | Z202 | SLI7Z101-T | COMPONENT COMBINATION | |
| Q652 | 2SB621AQSTA | TRANSISTOR | | Z251 | RLA6Z002-T | COMPONENT COMBINATION | |
| Q653-655 | 2SA1309A-R | TRANSISTOR | | Z321 | SLA4Z13-Z | COMPONENT COMBINATION | |
| Q701 | 2SD1761DEF | TRANSISTOR | △ | Z891 | RCDHC-677 | REMOTE SENSOR | |
| Q703 | 2SC2631QRSTA | TRANSISTOR | | Z907 | EXFP8331MW | COMPONENT COMBINATION | |
| Q704 | 2SC3311A-Q | TRANSISTOR | | Z908 | EXBF9E104J | COMPONENT COMBINATION | |
| Q705 | 2SC3940AQSTA | TRANSISTOR | | | | COIL(S) | |
| Q708 | 2SB1187DEF | TRANSISTOR | △ | L101 | RLQZPR47KT-Y | COIL | |
| Q710 | 2SB1187DEF | TRANSISTOR | | L203, 204 | ELEPKR22MA | COIL | |
| Q713 | 2SC3311A-Q | TRANSISTOR | △ | L321, 322 | RLM2B003-K | COIL | |
| Q751 | UN421FTA | TRANSISTOR | | L324 | SLM1B10-1M | COIL | |
| Q752 | 2SC3940AQSTA | TRANSISTOR | | L325 | RLQZP1R2KT-Y | COIL | |
| Q814, 815 | UN4211 | TRANSISTOR | | L601, 602 | SLQY07G-40 | COIL | |
| Q891 | UN4113TA | TRANSISTOR | | L701 | SLQZ650MH49 | COIL | △ |
| Q892 | UN4214TA | TRANSISTOR | | L851, 852 | RLQZP1R0KT-Y | COIL | |
| Q893 | 2SA933SQR | TRANSISTOR | | L901, 902 | ELEPK101KA | COIL | |
| Q901 | UN4214TA | TRANSISTOR | | L903 | ELEXT101KA9 | COIL | |
| Q902 | 2SA933SQR | TRANSISTOR | | | | | |
| | | DIODE(S) | | | | | |

| Ref. No. | Part No. | Part Name & Description | Remarks | Ref. No. | Part No. | Part Name & Description | Remarks |
|------------|--------------|-----------------------------|---------|-----------|--------------|-----------------------------|---------|
| | | TRANSFORMER(S) | | S932 | EVQ21405R | SW, BAND SELECT (MW) | |
| | | | | S933 | EVQ21405R | SW, FM MODE | |
| | | | | S934 | EVQ21405R | SW, MEMORY SCAN | |
| T201 | RL14B002-Z | FM OFFSET | | S935 | EVQ21405R | SW, MEMORY | |
| T202 | RL14B003-Z | FM OFFSET | | S936 | EVQ21405R | SW, TUNING (UP) | |
| T701 | RTP1N5B011-V | POWER TRANSFORMER (MAIN) | △ | | | RELAY (S) | |
| T751 | RTP115E003-V | POWER TRANSFORMER (SUB) | △ | | | | |
| | | FILTER(S) & OSCILLATOR(S) | | RL751 | RSY0012-0 | RELAY | △ |
| | | | | | | CONNECTOR(S) & SOCKET(S) | |
| CF201, 202 | RLFKTF2M01LA | RED (10.700MHz) | | CN201A | RJT057W007-1 | CONNECTOR (7P) | |
| CF201, 202 | RLFKTF2M01LB | BLUE (10.675MHz) | | CN201B | RJU057W007 | SOCKET (7P) | |
| CF201, 202 | RLFKTF2M01LC | ORANGE (10.725MHz) | | CN202A | RJT057W007-1 | CONNECTOR (7P) | |
| CF901 | EFGGC4194T4 | OSCILLATOR (4.19MHz) | | CN202B | RJU057W007 | SOCKET (7P) | |
| X101 | SVQ49U722-S | OSCILLATOR (7.2MHz) | | CN501A | RJU003K010M1 | SOCKET (10P) | |
| | | FL DISPLAY(S) | | CN501B | RJT003K010-1 | CONNECTOR (10P) | |
| FL901 | RSL0116-F | FL DISPLAY | △ | CN601A | RJS1A1705 | CONNECTOR (5P) | |
| | | FM FRONT END PACK(S) | | CN601B | RJS1A1705 | CONNECTOR (5P) | |
| | | | | CN651 | SJT3213 | CONNECTOR (2P) | |
| TN101 | SNVFE337G01 | FM FRONT END PACK | | CN701 | RJS1A1703 | CONNECTOR (3P) | |
| | | FUSE (S) | | CN702 | RJS1A1705 | CONNECTOR (5P) | |
| FI | XBA2C16TB0 | FUSE (1.6A, 250V) | △ | CN708 | RJS1A1703 | CONNECTOR (3P) | |
| | | SWITCH(ES) | | CN710 | RJS1A1703 | CONNECTOR (3P) | |
| S601 | RSP2008-J | SW, SPEAKERS | | CN751 | SJS305-1 | SOCKET (3P) | |
| S701 | ESD26606A | SW, VOLTAGE ADJ. | △ | CN901A | RJT003K008-1 | CONNECTOR (8P) | |
| S901 | EVQ21405R | SW, PRESET TUNING 1 | | CN901B | RJU003K008M1 | SOCKET (8P) | |
| S902 | EVQ21405R | SW, PRESET TUNING 2 | | CN902A | RJT003K008-1 | CONNECTOR (8P) | |
| S903 | EVQ21405R | SW, PRESET TUNING 3 | | CN902B | RJU003K008M1 | SOCKET (8P) | |
| S904 | EVQ21405R | SW, PRESET TUNING 4 | | CN903A | RJT003K006-1 | CONNECTOR (6P) | |
| S905 | EVQ21405R | SW, PRESET TUNING 5 | | CN903B | RJU003K006M1 | SOCKET (6P) | |
| S906 | EVQ21405R | SW, PRESET TUNING 6 | | CN904A | RJT003K006-1 | CONNECTOR (6P) | |
| S907 | EVQ21405R | SW, PRESET TUNING 7 | | CN904B | RJU003K006M1 | SOCKET (6P) | |
| S908 | EVQ21405R | SW, PRESET TUNING 8 | | CN908A | SJT30548BB1 | CONNECTOR (5P) | |
| S909 | EVQ21405R | SW, PRESET TUNING 9 | | CN908B | SJS50581BB | SOCKET (5P) | |
| S910 | EVQ21405R | SW, PRESET TUNING 0 | | | | GND PLATE (S) | |
| S914 | EVQ21405R | SW, POWER | | E401 | SNE1004-1 | GND PLATE | |
| S916 | EVQ21405R | SW, INPUT SELECT. PHONO | | E402 | SME103-6 | GND PLATE | |
| S917 | EVQ21405R | SW, INPUT SELECT. TUNER | | E403 | SNE1004-1 | GND PLATE | |
| S918 | EVQ21405R | SW, INPUT SELECT. TAPE/VCR2 | | E701, 702 | EYF52BC | FUSE HOLDER | |
| S922 | EVQ21405R | SW, INPUT SELECT. VCR1 | | | | JACK (S) | |
| S923 | EVQ21405R | SW, INPUT SELECT. CD | | JK101 | RJH4202 | ANTENNA CONNECTION TERMINAL | |
| S925 | EVQ21405R | SW, LOUDNESS | | JK401 | SJF3069N | PHONO, CD TERMINAL | |
| S929 | EVQ21405R | SW, TUNING (DOWN) | | JK402 | SJF3069N | VCR1 TERMINAL | |
| S930 | EVQ21405R | SW, BAND SELECT (FM) | | JK403 | SJF3069N | TAPE/VCR2 TERMINAL | |
| S931 | EVQ21405R | SW, BAND SELECT (LW) | | JK409 | RJJ33TR01 | REMOTE CONTROL OUT TERMINAL | |
| | | | | JK601 | RJR0054 | SPEAKER CONNECTER, A | |

| Ref. No. | Part No. | Part Name & Description | Remarks | | | | |
|----------|--------------|-------------------------|---------|--|--|--|--|
| JK602 | RJR0054 | SPEAKER CONNECTTER, B | | | | | |
| JK791 | SJS9236 | AC INLET | △ | | | | |
| HP601 | RJJ63TS01 | HEADPHONES JACK | | | | | |
| | | FLAT CABLE(S) | | | | | |
| W601 | RWJ1810340KQ | FLAT CABLE (10P) | | | | | |
| W701 | RWJ1805260KK | FLAT CABLE (5P) | | | | | |
| W702 | RWJ1805220KQ | FLAT CABLE (5P) | | | | | |
| W901 | RWJ1803080KK | FLAT CABLE (3P) | | | | | |
| W902 | RWJ1808080KC | FLAT CABLE (8P) | | | | | |
| | | | | | | | |
| | | | | | | | |

RESISTORS & CAPACITORS

Notes : * Capacity values are in microfarads (uF) unless specified otherwise, P=Pico-farads (pF) F=Farads (F)
 * Resistance values are in ohms, unless specified otherwise, 1K=1,000 (OHM) , 1M=1,000k (OHM)

| Ref. No. | Part No. | Values & Remarks | Ref. No. | Part No. | Values & Remarks | Ref. No. | Part No. | Values & Remarks |
|----------|------------|------------------|----------|-------------|------------------|-----------|-------------|------------------|
| | | RESISTORS | R218 | ERDS2TJ563 | 1/4W 56K | R263 | ERDS2TJ153 | 1/4W 15K |
| | | | R219 | ERDS2TJ223 | 1/4W 22K | R264 | ERDS2TJ102 | 1/4W 1K |
| | | | R220 | ERDS2TJ103 | 1/4W 10K | R301 | ERDS2TJ393 | 1/4W 39K |
| R101 | ERDS2TJ103 | 1/4W 10K | R221 | ERDS2TJ104 | 1/4W 100K | R302 | ERDS2TJ151 | 1/4W 150 |
| R102 | ERDS2TJ103 | 1/4W 10K | R222 | ERDS2TJ473 | 1/4W 47K | R303, 304 | ERDS2TJ223 | 1/4W 22K |
| R104 | ERDS2TJ102 | 1/4W 1K | R223 | ERDS2TJ154 | 1/4W 150K | R305, 306 | ERDS2TJ272T | 1/4W 2.7K |
| R105 | ERDS2TJ561 | 1/4W 560 | R224 | ERDS2TJ223 | 1/4W 22K | R307, 308 | ERDS2TJ562 | 1/4W 5.6K |
| R106 | ERDS2TJ562 | 1/4W 5.6K | R226 | ERDS2TJ103 | 1/4W 10K | R309 | ERDS2TJ124T | 1/4W 120K |
| R107 | ERDS2TJ103 | 1/4W 10K | R228 | ERDS2TJ123 | 1/4W 12K | R311 | ERDS2TJ102 | 1/4W 1K |
| R108 | ERDS2TJ151 | 1/4W 150 | R230 | ERDS2TJ104 | 1/4W 100K | R312 | ERDS2TJ153 | 1/4W 15K |
| R109-111 | ERDS2TJ104 | 1/4W 100K | R231 | ERDS2TJ102 | 1/4W 1K | R313, 314 | ERDS2TJ473 | 1/4W 47K |
| R201 | ERDS2TJ822 | 1/4W 8.2K | R232 | ERDS2TJ122 | 1/4W 1.2K | R315 | ERDS2TJ103 | 1/4W 10K |
| R202 | ERDS2TJ474 | 1/4W 470K | R233 | ERDS2TJ684 | 1/4W 680K | R316 | ERDS2TJ222 | 1/4W 2.2K |
| R203 | ERDS2TJ331 | 1/4W 330 | R234 | ERDS2TJ103 | 1/4W 10K | R317 | ERDS2TJ473 | 1/4W 47K |
| R204 | ERDS2TJ824 | 1/4W 820K | R235 | ERDS2TJ471 | 1/4W 470 | R321, 322 | ERDS2TJ153 | 1/4W 15K |
| R205 | ERDS2TJ391 | 1/4W 390 | R236 | ERDS2TJ183T | 1/4W 18K | R325, 326 | ERDS2TJ102 | 1/4W 1K |
| R206 | ERDS2TJ561 | 1/4W 560 | R238 | ERDS2TJ271 | 1/4W 270 | R401, 402 | ERDS2TJ332 | 1/4W 3.3K |
| R207 | ERDS2TJ822 | 1/4W 8.2K | R240 | ERDS2TJ152 | 1/4W 1.5K | R403, 404 | ERDS2TJ822 | 1/4W 8.2K |
| R208 | ERDS2TJ102 | 1/4W 1K | R247 | ERDS2TJ103 | 1/4W 10K | R405, 406 | ERDS2TJ102 | 1/4W 1K |
| R209 | ERDS2TJ471 | 1/4W 470 | R251 | ERDS2TJ103 | 1/4W 10K | R411-414 | ERDS2TJ222 | 1/4W 2.2K |
| R210 | ERDS2TJ332 | 1/4W 3.3K | R252 | ERDS2TJ822 | 1/4W 8.2K | R415-418 | ERDS2TJ102 | 1/4W 1K |
| R211 | ERDS2TJ222 | 1/4W 2.2K | R253 | ERDS2TJ182 | 1/4W 1.8K | R421, 422 | ERDS2TJ222 | 1/4W 2.2K |
| R212 | ERDS2TJ153 | 1/4W 15K | R254 | ERDS2TJ223 | 1/4W 22K | R429-431 | ERDS2TJ103 | 1/4W 10K |
| R213 | ERDS2TJ104 | 1/4W 100K | R256 | ERDS2TJ102 | 1/4W 1K | R451, 452 | ERDS2TJ391 | 1/4W 390 |
| R214 | ERDS2TJ824 | 1/4W 820K | R258 | ERDS2TJ122 | 1/4W 1.2K | R453, 454 | ERDS2TJ224T | 1/4W 220K |
| R215 | ERDS2TJ153 | 1/4W 15K | R259 | ERDS2TJ223 | 1/4W 22K | R455, 456 | ERDS2TJ563 | 1/4W 56K |
| R216 | ERDS2TJ563 | 1/4W 56K | R261 | ERDS2TJ102 | 1/4W 1K | R457, 458 | ERDS2TJ271 | 1/4W 270 |
| R217 | ERDS2TJ223 | 1/4W 22K | R262 | ERDS2TJ332 | 1/4W 3.3K | R459, 460 | ERDS2TJ680T | 1/4W 68 |

| Ref. No. | Part No. | Values & Remarks | Ref. No. | Part No. | Values & Remarks | Ref. No. | Part No. | Values & Remarks |
|-----------|--------------|------------------|-----------|--------------|------------------|-----------|--------------|------------------|
| R461, 462 | ERDS2TJ184T | 1/4W 180K | R673 | ERDS2TJ332 | 1/4W 3.3K | C106 | ECKR1H103ZF5 | 50V 0.01U |
| R463, 464 | ERDS2TJ123 | 1/4W 12K | R689, 690 | ERDS2TJ221 | 1/4W 220 | C107 | ECKT1H223ZF | 50V 0.022U |
| R465, 466 | ERDS2TJ563 | 1/4W 56K | R701 | ERDS1FVJ332T | 1/2W 3.3K Δ | C108 | ECEA1EKA4R7B | 25V 4.7U |
| R467, 468 | ERDS2TJ102 | 1/4W 1K | R702 | ERDS2TJ122 | 1/4W 1.2K | C109 | ECEA1CU330 | 16V 33U |
| R471, 472 | ERDS2TJ104 | 1/4W 100K | R703 | ERDS2TJ272T | 1/4W 2.7K | C110, 111 | ECBT1H102KB5 | 50V 1000P |
| R473, 474 | ERDS2TJ474 | 1/4W 470K | R704 | ERDS2TJ222 | 1/4W 2.2K | C201, 202 | ECKR1H103ZF5 | 50V 0.01U |
| R475, 476 | ERDS2TJ182 | 1/4W 1.8K | R705 | ERDS2TJ272T | 1/4W 2.7K Δ | C204 | ECBT1H470J5 | 50V 47P |
| R477, 478 | ERDS2TJ392T | 1/4W 3.9K | R706 | ERDS2TJ102 | 1/4W 1K Δ | C205 | ECKT1H223ZF | 50V 0.022U |
| R479, 480 | ERDS2TJ223 | 1/4W 22K | R708, 709 | ERDS1FVJ180T | 1/2W 18 Δ | C206 | ECBT1H150JC5 | 50V 15P |
| R481, 482 | ERDS2TJ332 | 1/4W 3.3K | R710 | ERDS2TJ272T | 1/4W 2.7K | C207 | ECBT1C103MS5 | 16V 0.01U |
| R485, 486 | ERDS2TJ223 | 1/4W 22K | R711 | ERDS1FJ270 | 1/2W 27 Δ | C208 | ECEA0JU101B | 6.3V 100U |
| R487, 488 | ERDS2TJ122 | 1/4W 1.2K | R715 | ERDS2TJ103 | 1/4W 10K Δ | C209 | ECEA1HKA100B | 50V 10U |
| R489, 490 | ERDS2TJ821 | 1/4W 820 | R716 | ERDS2TJ222 | 1/4W 2.2K | C210-212 | ECKT1H223ZF | 50V 0.022U |
| R501, 502 | ERDS2TJ104 | 1/4W 100K | R717 | ERD25FVJ150T | 1/4W 15 Δ | C213 | ECBT1H101KB5 | 50V 100P |
| R503, 504 | ERDS2TJ102 | 1/4W 1K | R718, 719 | ERDS2TJ1R5T | 1/4W 1.5 Δ | C214 | ECEA1CKA100B | 16V 10U |
| R505-508 | ERDS2TJ104 | 1/4W 100K | R755 | ERDS2TJ102 | 1/4W 1K | C215 | ECKR1H103ZF5 | 50V 0.01U |
| R509, 510 | ERDS2TJ103 | 1/4W 10K | R771 | ERDS1FVJ2R2T | 1/2W 2.2 Δ | C216 | ECEA1CKA100B | 16V 10U |
| R513 | ERDS2TJ153 | 1/4W 15K | R773 | ERDS1FVJ6R8T | 1/2W 6.8 Δ | C217 | ECEA1HKA010B | 50V 1U |
| R514 | ERDS2TJ394 | 1/4W 390K | R777 | ERDS1FVJ4R7T | 1/2W 27 Δ | C220 | ECEA1CKA100B | 16V 10U |
| R521, 522 | ERDS2TJ104 | 1/4W 100K | R780 | ERDS1FVJ4R7T | 1/2W 4.7 Δ | C221 | ECFR1E183KR | 25V 0.018U |
| R523, 524 | ERDS2TJ222 | 1/4W 2.2K | R839, 840 | ERDS2TJ153 | 1/4W 15K | C222 | ECQB1H473KF3 | 50V 0.047U |
| R525, 526 | ERDS2TJ221 | 1/4W 220 | R851 | ERDS1FVJ2R2T | 1/2W 2.2 Δ | C225 | ECBT1H180JC5 | 50V 18P |
| R527-530 | ERDS2TJ102 | 1/4W 1K | R891, 892 | ERDS2TJ102 | 1/4W 1K | C226 | ECKR1H103ZF5 | 50V 0.01U |
| R531 | ERDS2TJ394 | 1/4W 390K | R893 | ERDS2TJ472 | 1/4W 4.7K | C227 | ECEA1CKA100B | 16V 10U |
| R532 | ERDS2TJ103 | 1/4W 10K | R901 | ERDS2TJ102 | 1/4W 1K | C228 | ECBT1H8R2KC5 | 50V 8.2P |
| R533 | ERDS2TJ104 | 1/4W 100K | R902 | ERDS2TJ681 | 1/4W 680 | C229 | ECBT1H102KB5 | 50V 1000P |
| R534 | ERDS2TJ103 | 1/4W 10K | R903, 904 | ERDS2TJ103 | 1/4W 10K | C230 | ECBT1H471KB5 | 50V 470P |
| R535 | ERDS2TJ104 | 1/4W 100K | R905, 906 | ERDS2TJ102 | 1/4W 1K | C251 | ECKT1H223ZF | 50V 0.022U |
| R601, 602 | ERDS2TJ102 | 1/4W 1K | R907, 908 | ERDS2TJ182 | 1/4W 1.8K | C252 | ECEA1HKA010B | 50V 1U |
| R603, 604 | ERDS2TJ563 | 1/4W 56K | R909, 910 | ERDS2TJ222 | 1/4W 2.2K | C253 | ECKT1H223ZF | 50V 0.022U |
| R605, 606 | ERDS2TJ332 | 1/4W 3.3K | R911, 912 | ERDS2TJ392T | 1/4W 3.9K | C301 | ECA1CM101B | 16V 100U |
| R607, 608 | ERDS2TJ563 | 1/4W 56K | R913, 914 | ERDS2TJ562 | 1/4W 5.6K | C302 | ECEA1HKAR47B | 50V 0.47U |
| R609, 610 | ERDS2TJ470 | 1/4W 47 | R915, 916 | ERDS2TJ123 | 1/4W 12K | C303 | ECEA1HKA010B | 50V 1U |
| R611, 612 | ERDS1FVJ100T | 1/2W 10 Δ | R917, 918 | ERDS2TJ273 | 1/4W 27K | C304-306 | ECEA1HKA3R3B | 50V 3.3U |
| R614 | ERD25FJ470 | 1/4W 47 Δ | R919 | ERDS2TJ224T | 1/4W 220K | C307, 308 | ECFR1E392KR | 25V 3900P |
| R619, 620 | ERG2SJ331P | 2W 330 | R920 | ERDS2TJ222 | 1/4W 2.2K | C309 | ECKT1H223ZF | 50V 0.022U |
| R623 | ERDS2TJ684 | 1/4W 680K Δ | R921 | ERDS2TJ103 | 1/4W 10K | C310 | ECFR1E473KR | 25V 0.047U |
| R627 | ERDS2TJ154 | 1/4W 150K Δ | R922, 923 | ERDS2TJ472 | 1/4W 4.7K | C311 | ECQP1471JZ | 50V 470P |
| R628 | ERDS2TJ684 | 1/4W 680K | R924-926 | ERDS2TJ104 | 1/4W 100K | C312 | ECEA1EKA4R7B | 25V 4.7U |
| R651-654 | ERDS2TJ223 | 1/4W 22K | R927 | ERDS2TJ181T | 1/4W 180 | C313, 314 | ECBT1H102KB5 | 50V 1000P |
| R655 | ERDS2TJ682T | 1/4W 6.8K | R930, 931 | ERD25FJ101 | 1/4W 100 Δ | C321 | ECEA1CKA100B | 16V 10U |
| R656 | ERDS2TJ103 | 1/4W 10K | R937 | ERDS2TJ103 | 1/4W 10K | C323, 324 | ECFR1E332KR | 25V 3300P |
| R657 | ERDS2TJ220T | 1/4W 22 | R938 | ERDS2TJ104 | 1/4W 100K | C325 | ECBT1H330J5 | 50V 33P |
| R658 | ERDS2TJ223 | 1/4W 22K | R941 | ERDS2TJ103 | 1/4W 10K | C326 | ECKR1H103ZF5 | 50V 0.01U |
| R659 | ERDS2TJ222 | 1/4W 2.2K | R943, 944 | ERDS2TJ104 | 1/4W 100K | C401, 402 | ECBT1E103ZF | 25V 0.01U |
| R660 | ERDS2TJ103 | 1/4W 10K | R945, 947 | ERDS2TJ331 | 1/4W 330 | C404 | ECEA1HKA010B | 50V 1U |
| R661, 662 | ERDS2TJ333 | 1/4W 33K | | | | C405, 406 | ECBT1H101KB5 | 50V 100P |
| R663 | ERDS2TJ153 | 1/4W 15K | | | CAPACITORS | C407 | ECEA0JU101B | 6.3V 100U |
| R664, 665 | ERDS2TJ103 | 1/4W 10K | | | | C409, 410 | ECBT1E103ZF | 25V 0.01U |
| R666 | ERDS2TJ104 | 1/4W 100K | C101, 102 | ECBT1H150JC5 | 50V 15P | C421, 422 | ECEA1CKA220B | 16V 22U |
| R670 | ERDS1FVJ390T | 1/2W 39 Δ | C103 | ECBT1H102KB5 | 50V 1000P | C451, 452 | ECEA1EKA4R7B | 25V 4.7U |
| R671, 672 | ERDS2TJ471 | 1/4W 470 | C105 | ECEA0JU221 | 6.3V 220U | C453, 454 | ECBT1H101KB5 | 50V 100P |

| Ref. No. | Part No. | Values & Remarks | Ref. No. | Part No. | Values & Remarks | Ref. No. | Part No. | Values & Remarks |
|-----------|--------------|------------------|-----------|--------------|--------------------|-----------|--------------|---------------------|
| C455, 456 | ECBT1H102KB5 | 50V 1000P | C607, 608 | ECCD1H150KC | 50V 15P | C710 | ECKR1H103ZF5 | 50V 0.01U |
| C457, 458 | ECFR1E223KR | 25V 0.022U | C609, 610 | ECBT1H821KB5 | 50V 820P | C711 | ECA1CM101B | 16V 100U |
| C459, 460 | ECFR1E682KR | 25V 6800P | C611, 612 | ECFR1E223KR | 25V 0.022U | C712 | ECEA1VU470 | 35V 47U |
| C461, 462 | ECEA1EKA4R7B | 25V 4.7U | C614 | ECEA1HU330 | 50V 33U | C713 | ECEA1AU101 | 10V 100U |
| C463, 464 | ECEA1AKA330B | 10V 33U | C615 | ECEA2AU100 | 100V 10U | C751 | ECA1EM102E | 25V 1000U |
| C471, 472 | ECBT1H150JC5 | 50V 15P | C651 | ECEA1HKA2R2B | 50V 2.2U | C752 | ECEA1CU470 | 16V 47U |
| C473, 474 | ECBT1H101KB5 | 50V 100P | C652 | ECEA1CKA100B | 16V 10U | C753 | ECBT1E103ZF | 25V 0.01U |
| C475, 476 | ECBT1H221KB5 | 50V 220P | C653 | ECEA0JU221 | 6.3V 220U | C754 | ECKR1H103ZF5 | 50V 0.01U Δ |
| C477, 478 | ECEA1CKA100B | 16V 10U | C654 | ECKT1H223ZF | 50V 0.022U | C755 | ECBT1E103ZF | 25V 0.01U |
| C479, 480 | ECFR1E123KR | 25V 0.012U | C671, 672 | ECBT1H180JC5 | 50V 18P | C771 | ECQE2104KF3 | 250V 0.1U Δ |
| C481, 482 | ECFR1E683KR | 25V 0.068U | C673, 674 | ECBT1H221KB5 | 50V 220P | C791 | ECKWNS103ZVS | 500V 0.01U Δ |
| C483, 484 | ECFR1E562KR | 25V 5600P | C675, 676 | ECBT1H101KB5 | 50V 100P | C851, 852 | ECEA0JU101B | 6.3V 100U |
| C485, 486 | ECFR1E273KR | 25V 0.027U | C677, 678 | ECBT1H331KB5 | 50V 330P | C853, 854 | ECFR1E104KR | 25V 0.1U |
| C487, 488 | ECBT1E103ZF | 25V 0.01U | C679, 680 | ECBT1H101KB5 | 50V 100P | C891 | ECFR1E392KR | 25V 3900P |
| C489-492 | ECEA1CKA100B | 16V 10U | C687, 688 | ECKR1H103ZF5 | 50V 0.01U | C901 | ECEA0JU102 | 6.3V 1000U |
| C501, 502 | ECEA1EKA4R7B | 25V 4.7U | C689, 690 | ECKT1H101KB | 50V 100P | C902 | ECBT1E103ZF | 25V 0.01U |
| C503, 504 | ECBT1H101KB5 | 50V 100P | C691, 692 | ECKR1H103ZF5 | 50V 0.01U | C904, 905 | ECEA0JU102 | 6.3V 1000U |
| C505, 506 | ECEA1EKA4R7B | 25V 4.7U | C693-696 | ECBT1H331KB5 | 50V 330P | C906 | ECBT1E103ZF | 25V 0.01U |
| C507, 508 | ECBT1E103ZF | 25V 0.01U | C697, 698 | ECBT1H101KB5 | 50V 100P | C911, 912 | ECEA2AU100 | 100V 10U Δ |
| C509, 510 | ECFR1E333KR | 25V 0.033U | C701, 702 | ECES1HV822UM | 50V 8200P Δ | C913 | ECEA1HKA100B | 50V 10U Δ |
| C519, 520 | ECEA1EKA4R7B | 25V 4.7U | C703 | ECKR1H103ZF5 | 50V 0.01U | C914 | ECEA1HKA100B | 50V 10U |
| C521-523 | ECBT1E103ZF | 25V 0.01U | C704 | ECA1VM101B | 35V 100U | C916 | ECEA1HKA101B | 50V 1U |
| C601, 602 | ECEA1EKA4R7B | 25V 4.7U | C705 | ECA1CM101B | 16V 100U | | | |
| C603, 604 | ECBT1H271KB5 | 50V 270P | C706 | ECKR1H103ZF5 | 50V 0.01U | | | |
| C605, 606 | ECEA1CKA220B | 16V 22U | C709 | ECKR1H103ZF5 | 50V 0.01U Δ | | | |

■ PACKAGING

