JVC

Revision

SERVICE MANUAL

MICRO COMPONENT SYSTEM

UX-T1 B/E/G/GI/EN/VX

COMPACT disc DIGITAL AUDIO

White, Black 2 type

Area Suffix	
B	U.K
E	Continental Europe
G	Germany
GI	Italy
EN	North Europe
VX	Eastern Europe

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No. 1877-C
January 1995

1 Safety Precautions

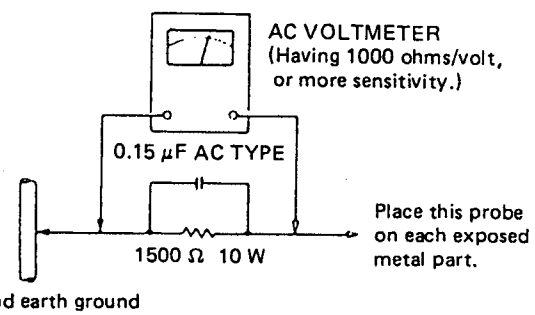
1. The design this product contains special hardware and many circuits and components specially for safety purposes. For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits. Service 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 manufacture'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 product 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 and(⚠)on the schematic diagram and by (⚠) 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 part 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 reassembling.
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 part of the cabinet, particulary any exposed metal part having a return path to the chassis, to a known good earth ground. Any leakage current must not exposeed 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 ohms 10W resistor paralleled by a 0.15 μ 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 0.75V AC(r.m.s.).This corresponds to 0.5mA 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 maintaintained.
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.

2 Safety Precautions about UX-T1

IMPORTANT FOR LASER PRODUCTS

PRECAUTIONS

1. CLASS 1 LASER PRODUCT
2. **DANGER:** Invisible laser radiation when open and interlock failed or defeated. Avoid direct exposure to beam.
3. **CAUTION:** Do not open the rear cover. There are no user serviceable parts inside the unit; leave all servicing to qualified service personnel.
4. **CAUTION:** The compact disc player uses invisible laser radiation and is equipped with safety switches which prevent the emission of radiation when the CD door is open. It is dangerous to defeat the safety switches.
5. **CAUTION:** Use of controls for adjustments and the performance of procedures other than those specified herein may result in exposure to hazardous radiation.

IMPORTANT (In the United Kingdom)

Mains Supply (AC 240 V~, 50 Hz only)

DO NOT cut off the mains plug from this equipment. If the plug fitted is not suitable for the power points in your home or the cable is too short to reach a power point, then obtain an appropriate safety approved extension lead or consult your dealer.

BE SURE to replace the fuse only with an identical approved type, as originally fitted, and to replace the fuse cover.

If nonetheless the mains plug is cut off ensure to remove the fuse and dispose of the plug immediately, to avoid a possible shock hazard by inadvertent connection to the mains supply.

IMPORTANT

DO NOT make any connection to the terminal which is marked with the letter E or by the safety earth symbol or coloured green or green-and-yellow.

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

Blue to N (Neutral) or Black
Brown to L (Live) or Red

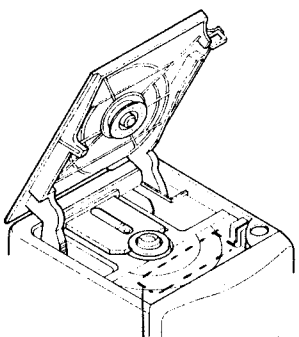
As these colours may not correspond with the coloured markings identifying the terminals in your plug proceed as follows:

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

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

IF IN DOUBT – CONSULT A COMPETENT ELECTRICIAN.

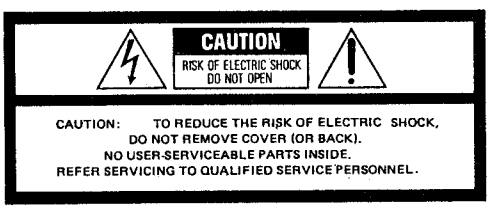
REPRODUCTION OF LABELS AND THEIR LOCATION



ADVARSEL-Der vil udstråles osynlig laserbestråling når apparatet åbnes og aflåsningsmekanismen frigøres. UNDGÅ AT BLIVE UDSET FOR LASERBESTRÅLING.

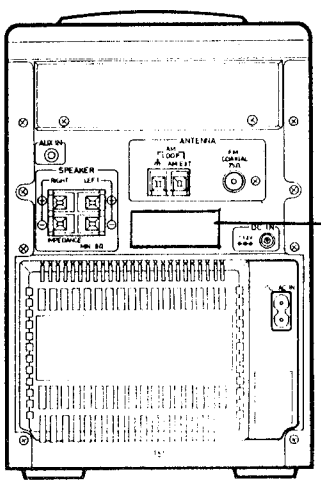
DANGER-Invisible laser radiation when open and interlock defeated. AVOID DIRECT EXPOSURE TO BEAM.
VND4220-001

WARNING:
TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.



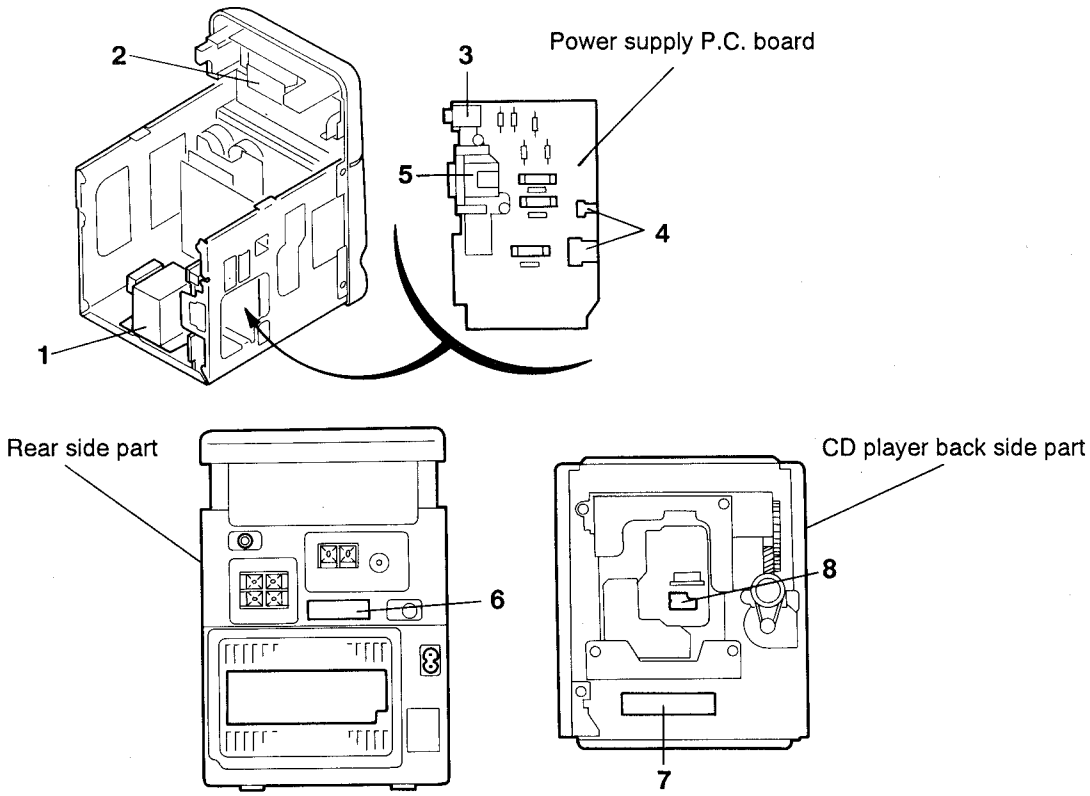
The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.



CLASS 1
LASER PRODUCT

Obs:
Apparaten innehåller laserkomponent av högre laserklass än klass 1.



■ Inportant management points regarding safety(Item demanding special safety precautions)

1. Power transformer marking :VTP66T2 – 12C(UX – T1 B)
   : VTP66J2 – 12C(UX - T1 E/G/GI/EN/VX)
   The torque of the screw driver for the poewr transformor must be controlled.
2. Following parts are controlled as the heated parts. confirm that the flammable parts are lifted up the parts in ( )must be controlled.
   •diode:D901~D904, IC:ICA35, ICA36 Lamp: (PLA31), (PLA32) Heat sink
   •Resistor: R863 Transistor:Q851
3. Concerning the AC socket, the next marking must be confirmed and to avoid print circuit board pattern damage. The AC socket must not float from print circuit board.
   •Marking ·····HSC1466 (UX – T1 B/E/G/GI)
4. Concerning the primary terminal and the adjacent secondary terminal on the print circuit board toprovide proper creeping and spatial distance, solder must not protrude from soldering round.
5. Before installation confirm the fuse capacity indication, (Ⓢ)and (♆)marks on the fuse cap. when installing, confirm if the fuse is held tightly with the fuse holder.

REF.No.	Capacity and mark	Indication on P.C.B.	Version
F901	T500mA	T500mA	B/E
F902	T5A	T5A	B/E
F901	T5A	T5A	B/E

6. The class 1 label must be attached.
7. The laser caution must be attached on the CD part.
8. Confirm the CD mechanism pick assembly number.:OPT – 6(UX – T1 B only)

3 Features

1. **Disc-size micro component system consisting of 3 units**
2. **Active Hyper-Bass circuit for low-frequency sound reproduction**
3. **One touch operation (COMPU PLAY)**
   - When a source button (CD, tape, or tuner) is pressed, the unit's power is turned on and initiates the playback even when the power is set to STANDBY.
4. **36-key remote control unit opens and closes the motor-driven CD door, and operates the usual CD, cassette deck and tuner functions**
   - Remote control controls power on/off switching, volume control, bass/treble control, Active Hyper-Bass on/off switching and a variety of editing functions.
5. **Multi-function CD player**
   - Capable of auto-edit recording and programmed play.
6. **U-Turn auto-reverse full-logic mechanism with Dolby* B NR**
   - Auto tape select mechanism.
   - Metal (type IV) and CrO_2 (type II) tape can be played back for superior tone quality.
   - CrO_2 (type II) tape recording capability
   - Music scan** in forward or reverse direction
7. **2-Band digital synthesizer tuner with 30-station (15 FM and 15 AM (MW/LW)) preset capability**
   - Seek/manual tuning.
   - Auto preset tuning
8. **Timer/Clock function**
   - Timer on/off with preset volume function.
   - Wake-up volume setting with 50 different levels.
   - Sleep timer can be set for up to 120 minutes.

* Dolby noise reduction manufactured under license from Dolby Laboratories Licensing Corporation. "Dolby" and the double-D symbol ⧈ are trade-marks of Dolby Laboratories Licensing Corporation.

** Under license of Staar S.A. Brussels, Belgium.

4 Specifications

Compact disc player section

Type	:	Compact disc player
Signal detection	:	Non-contact optical pickup
Number of channels	:	2 channels
Frequency range	:	20 Hz – 20,000 Hz
Dynamic range	:	76 dB
Signal-to-noise ratio	:	76 dB
Total harmonic distortion	:	0.1 %
Wow & flutter	:	Less than measurable limit

Radio section

Frequency ranges	:	FM 87.5 – 108 MHz 65 - 74MHz (VX) 87.5 - 108MHz (VX) AM: (MW) 522 – 1,629 kHz (LW) 144 – 288 kHz
Antennas	:	Loop antenna for AM (MW/LW) External antenna terminal for FM (75 ohms)

Tape deck section

Track system	:	4-track 2-channel stereo
Motor	:	Electronic governor DC motor for capstan
Heads	:	Hard permalloy head for recording/playback, 2 gap ferrite head for erasure (Combination head)
Frequency response	:	50 – 15,000 Hz (with metal tape)
Wow and flutter	:	0.16 % (WRMS)
Fast wind time	:	Approx. 120 sec (C-60 cassette)

Speaker section (each unit)

Speaker (Impedance)	:	10 cm x 1 (8 Ω) ,
Dimensions	:	160(W) x 250(H) x 202.5(D) mm
Weight	:	Approx. 2.1 kg

General

Power output	:	Max. 27 W (13.5 W + 13.5 W) at 8 Ω 19 W (9.5 W + 9.5 W) at 8 Ω (10 % THD)
Output jacks	:	Speaker x 2 (matching impedance 8 Ω – 16 Ω) Headphones (0 – 30 mW/32 Ω) (matching impedance 16 Ω – 1 kΩ)
Power supply	:	AC 240 V, 50/60 Hz, (UX-T1B) AC 230 V, 50/60 Hz, (UX-T1E/G/GI) Ext. DC 12 V (car battery via optional CA-R120E car adapter)
Power consumption	:	55 W (with POWER SW ON) 4 W (with POWER SW STANDBY)
Dimensions	:	458(W) x 258(H) x 212(D) mm including knobs
Weight	:	Approx. 8.7 kg
Accessories provided	:	Remote control unit (RM-RXU1) Battery "R6" x 2 (for the remote control) FM feeder antenna x 1 Loop antenna stand x 1 Antenna adapter x 1

Design and specifications are subject to change without notice.

5 Instructions (Extract)

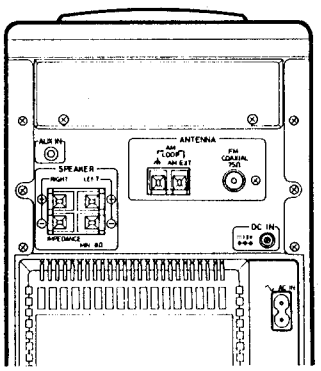
CONNECTIONS

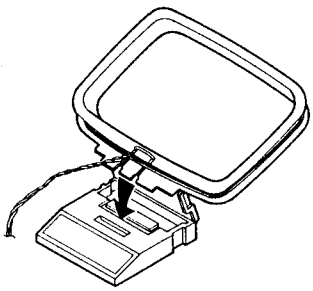
- Do not switch the power on until all connections are complete.

Antenna connection and adjustment

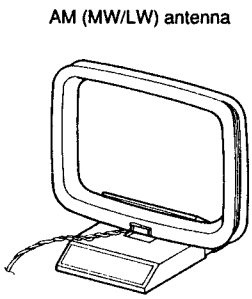
- AM (MW/LW) loop antenna adjustment

- Keep the loop antenna away from the rear panel of the unit and install it so that the best reception is obtained. (Do not leave the antenna wire in a bundle.)

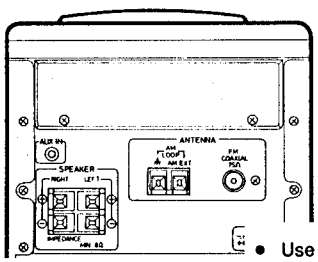


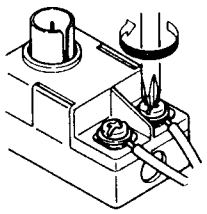


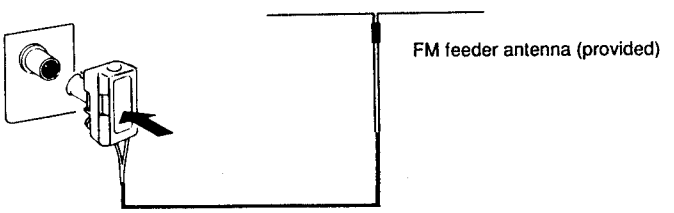
Insert in the direction of the arrow.



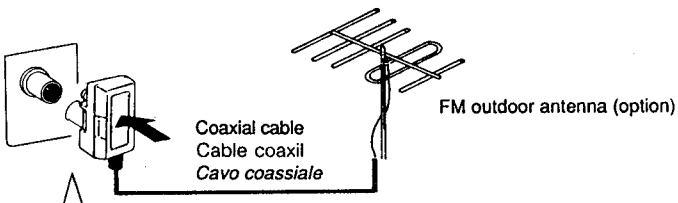
- FM antenna connections and adjustments

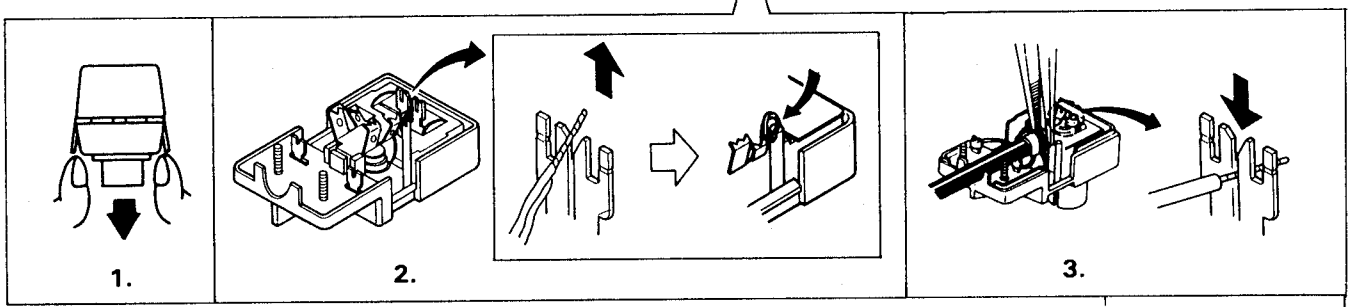




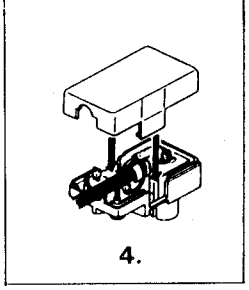


- Use an outdoor antenna when stable reception cannot be obtained with the provided antenna.

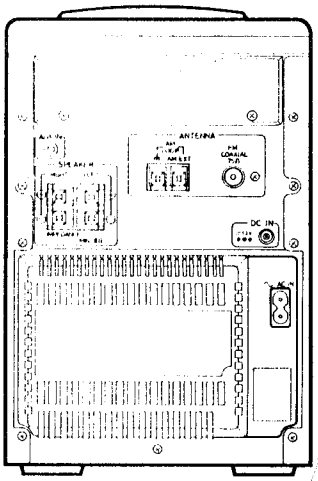


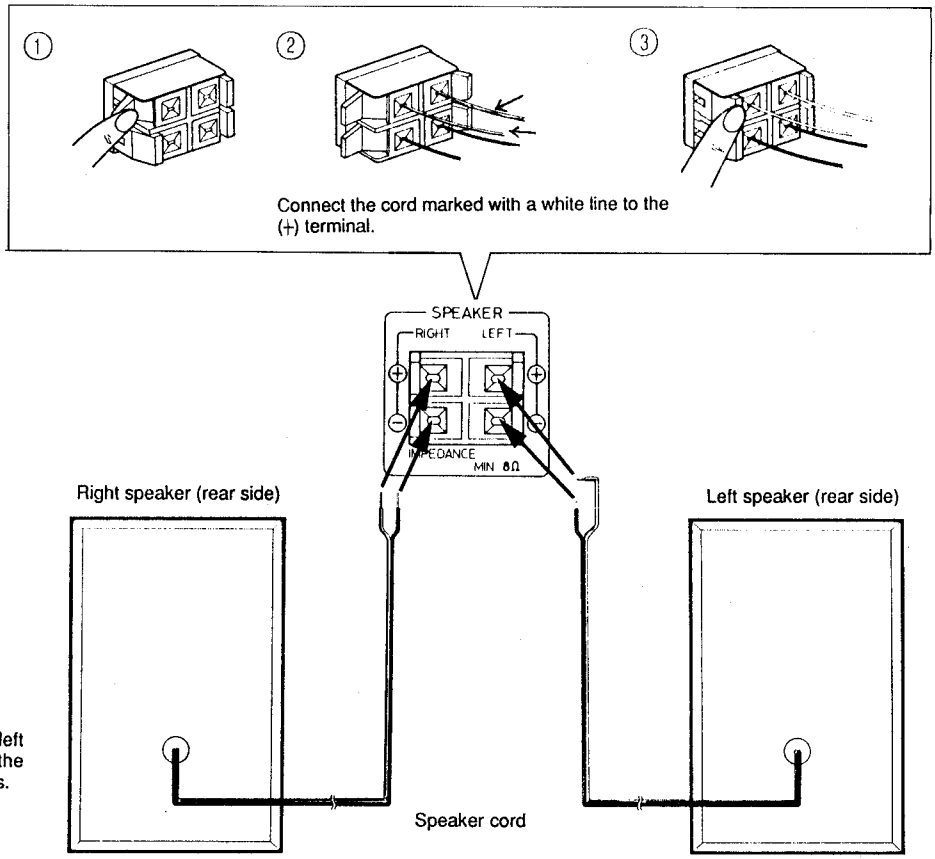


Notes:
- Do not place the loop antenna on a metal desk or near a TV or personal computer.
- Installing an outdoor antenna requires experience; we recommend that your consult an audio dealer.
- Install the antenna cord away from the power and speaker cords as these could generate noise. Install the loop antenna so that it does not touch the rear of the unit.



Speaker cord connection



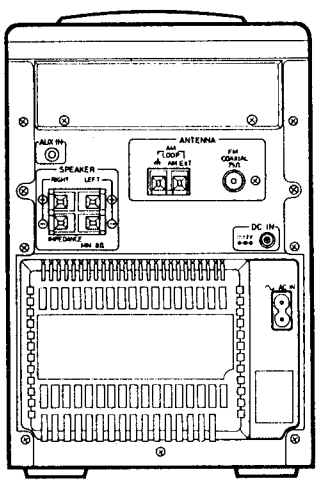


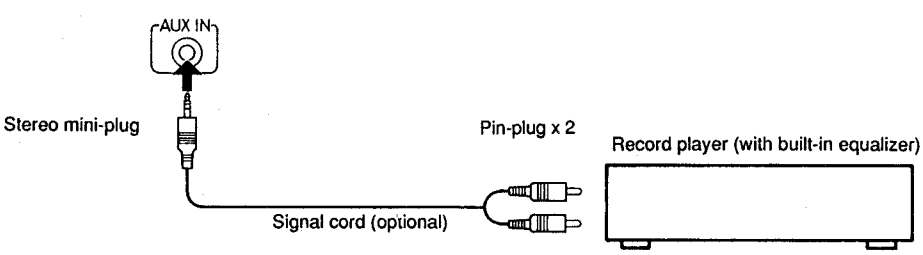
- Connect the cord from the speaker on the left to the (LEFT) terminals and the cord from the speaker on the right to the (RIGHT) terminals.

Notes:

- The polarity with which the two speakers are connected will be the same if the speaker cords marked with a white line are connected to the (+) terminals. If the speakers are connected with reverse polarity, the stereo effect and tone will be degraded.
- The speakers of this unit are not magnetically shielded. When they are placed directly on or adjacent to a TV, the TV's color could be distorted. Install the speakers more than 10 cm away from your TV.
- If the speakers are to be placed away from the main unit, purchase optional speaker cords from an audio store.

Connection of external audio units

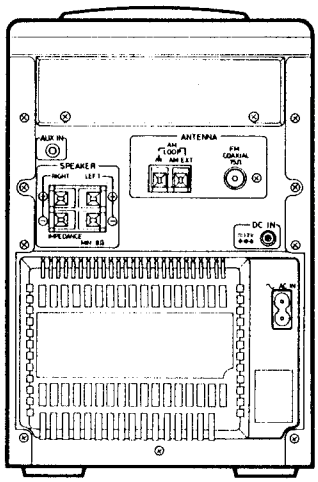


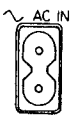


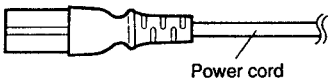
POWER SUPPLY

A. Connection of AC power cord

- Connect the AC power cord after all other connections have been made.



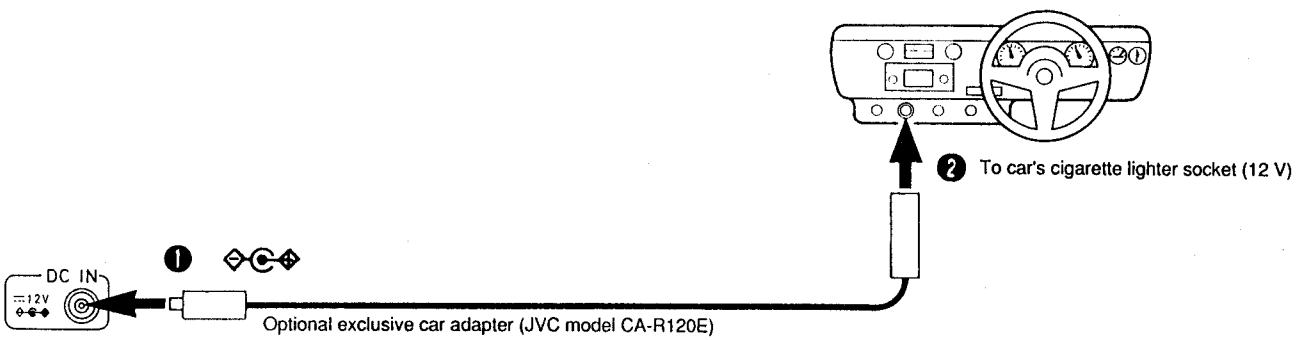




CAUTIONS:

1. **ONLY USE WITH JVC POWER CORD PROVIDED WITH THIS UNIT TO AVOID MALFUNCTION OR DAMAGE TO THE UNIT.**
2. **BE SURE TO UNPLUG THE POWER CORD FROM THE OUTLET WHEN GOING OUT OR WHEN THE UNIT IS NOT IN USE FOR AN EXTENDED PERIOD OF TIME.**

B. Operation on car battery (DC 12 V)



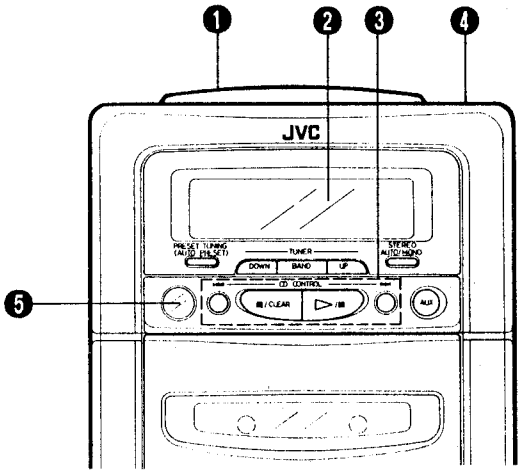
- First connect the car adapter to the DC IN 12 V jack, not the cigarette lighter socket, because shorting of a plug on the car may cause the fuse to blow out. In addition, be careful not to make a short-circuit between the plugs.
- **When using a car battery, be sure to use the specified car adapter (JVC model CA-R120E) to prevent mishaps or damage resulting from different polarity design.**

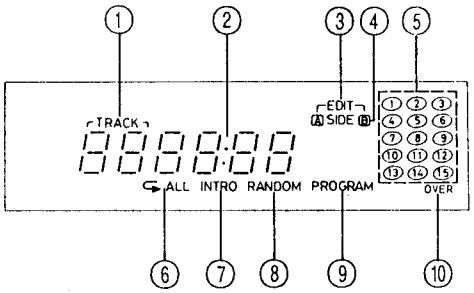
Note:

- When there is a power failure or the AC power cord is disconnected, the timer/clock setting is erased from memory. Reset the clock when the power supply is restored.

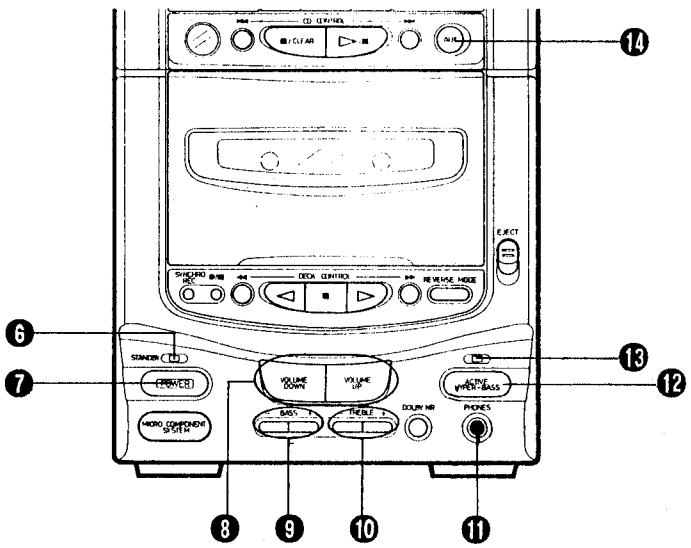
NAMES OF PARTS AND THEIR FUNCTIONS

CD player/General section



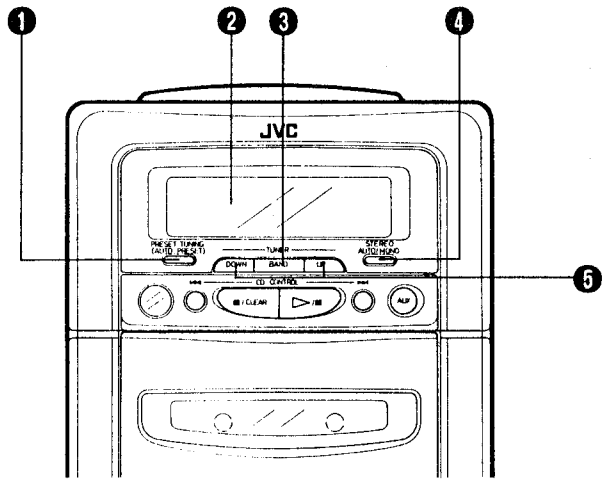


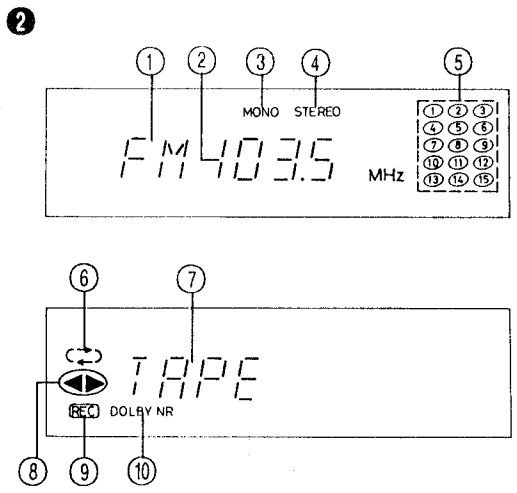
❶ CD door
❷ Display window
  ① Function/Track number display
  ② Playback time display
  ③ EDIT recording mode indicator
  ④ SIDE (A)/(B) indicator
  ⑤ Music calendar display
  ⑥ Repeat playback indicator
  ⑦ INTRO scan indicator
  ⑧ RANDOM playback indicator
  ⑨ PROGRAM mode indicator
  ⑩ OVER indicator
❸ CD operation buttons
  Play/pause button (▷/❚❚):
  Press to play a disc and to stop temporarily.
  Stop/CLEAR button (■):
  Press to stop playing a disc and to cancel programmed playback. This also sets the CD mode.
  CD SEARCH buttons (|◀◀ , ▶▶|):
  Press to locate the beginnings of tunes and to start forward and reverse search operations.
❹ CD door open/close button (≜)
❺ REMOTE SENSOR section

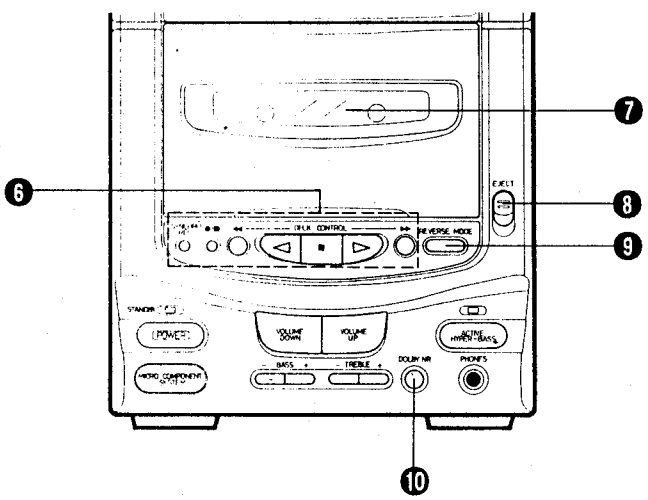


❻ Power STANDBY indicator
❼ POWER button
  Press to switch the power on or off.
❽ VOLUME buttons
  UP: Use to increase the volume
  DOWN: Use to decrease the volume
  (control range from VOL 0 to VOL 50)
❾ BASS buttons (+,–)
  (control range from –6 to 6)
❿ TREBLE buttons (+,–)
  (control range from –6 to 6)
⓫ Headphones jack (PHONES) (3.5 mm dia. stereo mini)
  Connect headphones (impedance 16Ω - 1kΩ) to this jack. The speakers are automatically switched off when the headphones are connected.
⓬ ACTIVE HYPER-BASS button
  on: The ACTIVE HYPER-BASS indicator will light. Set to this position to listen to the ACTIVE HYPER-BASS sound.
  off: The ACTIVE HYPER-BASS indicator goes out. Set to this position when ACTIVE HYPER-BASS sound is not required.
⓭ Active Hyper-Bass indicator
⓮ AUX button

Tuner/Deck section







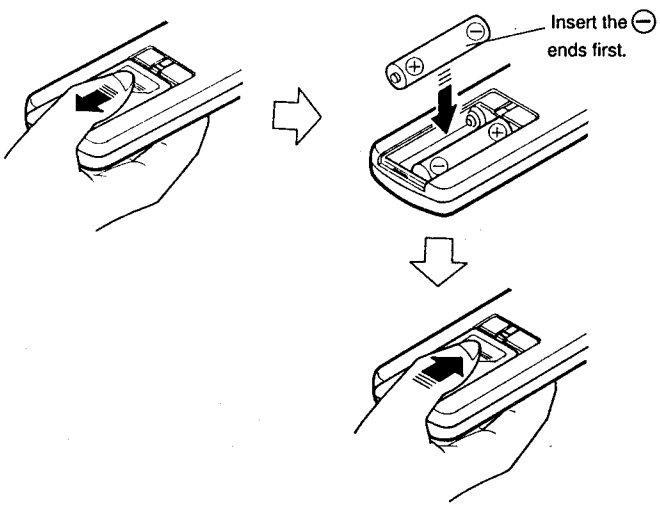
❶ PRESET TUNING/AUTO PRESET button
❷ Display window
  ① Band indicator (FM/AM (MW/LW))
  ② Radio frequency display
  ③ MONO indicator
  ④ STEREO indicator
  ⑤ Preset station display
  ⑥ Reverse mode indicator (⇄ / ⇉ /C⇄)
  ⑦ Tape mode display
  ⑧ Tape direction indicator (◁, ▷)
  ⑨ Recording indicator (REC)
  ⑩ DOLBY NR indicator (DOLBY NR)
  *See page 45 for the Timer/Clock section.
❸ TUNER/BAND button
  Press to select the tuner mode.
  Press to select the band (FM/AM (MW/LW)).
❹ STEREO AUTO/MONO button
❺ Tuning button (UP/DOWN)
❻ Cassette operation buttons
  SYNCHRO REC : Press to start CD edit recording/ synchro recording.
  ●/❚❚ : Press to set the unit to the record or record-pause mode.
  ◄◄ : Press to fast wind the tape from right to left/Music scan.
  ◁ : Press to play back the tape in the reverse direction.
  ■ : Press to stop the tape. This also sets the TAPE mode.
  ▷ : Press to play back the tape in the forward direction.
  ►► : Press to fast wind the tape from left to right/Music scan.
❼ Cassette holder
❽ EJECT button
❾ REVERSE MODE switch
  ⇄ : For single-side recording or playback
  ⇉: For both-sides recording or playback
  C⇄: For continuous play
❿ DOLBY NR button
  Set to ON when recording or playing back tapes using the noise reduction system.

REMOTE CONTROL UNIT

Preparation before use

- **Installing batteries in the remote control unit**

1. Remove the battery cover from the back of the remote control unit.
2. Insert two "R6" size batteries.
   - Insert the batteries with the ⊕ and ⊖ terminals matching the indication inside the battery compartment.
3. Replace the cover.



- **Battery replacement**
  When the remote control operation becomes unstable or the distance from which remote control is possible becomes shorter, replace the batteries with new ones.

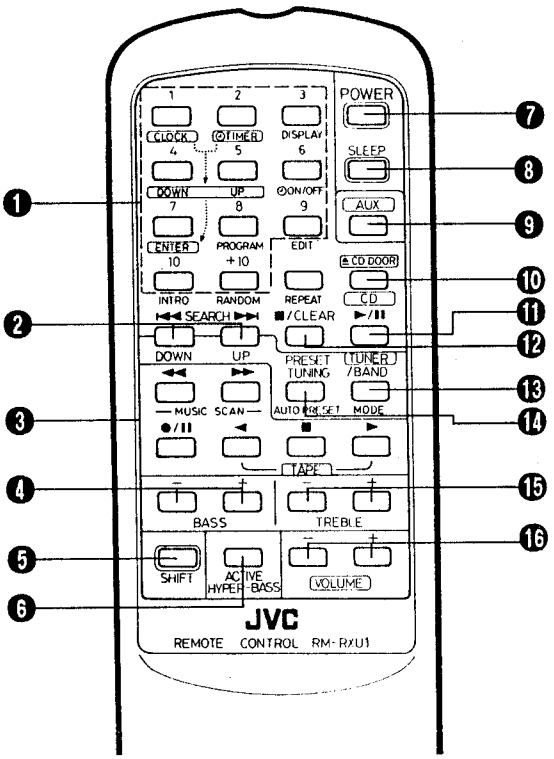
Using the remote control unit

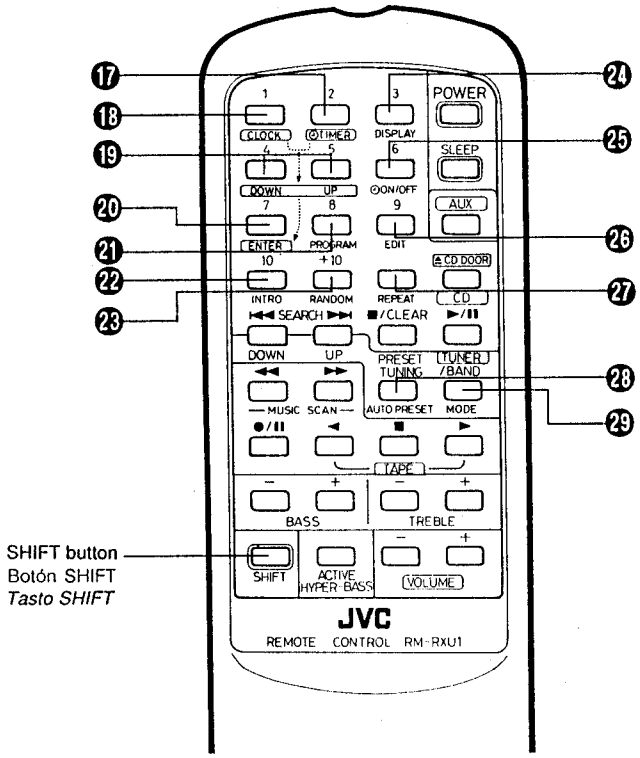
To use the remote control unit, point it at the REMOTE SENSOR and press the buttons gently and firmly. Remote control operation is possible within about 7 m (approx. 23 ft). However, since the remote control range is less when the unit is used at an angle, use directly in front of the REMOTE SENSOR, as far much possible.

Do not expose the REMOTE SENSOR to strong light (direct sunlight or artificial lighting) and make sure that there are no obstacles between the REMOTE SENSOR and the remote control unit.

The following operations can be performed using the remote control unit.

- **Check the functions of the operation buttons carefully and operate them correctly.**





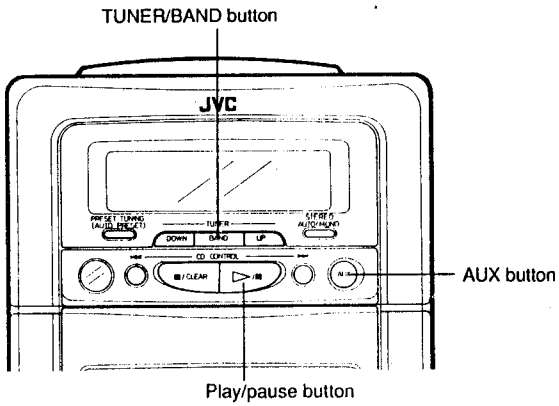
❶ Track (tune) number buttons (No.1 – No.10, +10)
❷ CD SEARCH/DOWN and UP button (⏮, ⏭)
- In the CD mode, to scan to the beginning of a tune and to start forward or reverse search.
- In the tuner mode, to tune to broadcasts.

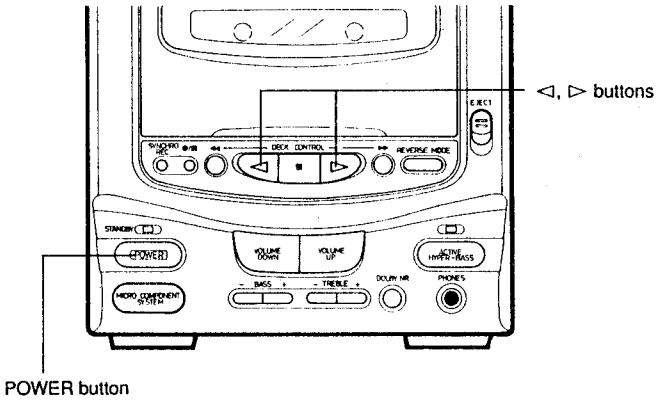
❸ Cassette operation buttons
- ◄◄ : Fast wind (from right to left)/Music scan button
- ►► : Fast wind (from left to right)/Music scan button
- ●/❚❚ : Record/Record-pause button
- ◄ : Play button (reverse direction of tape)
- ■ : Stop button
- ► : Play button (forward direction of tape)

❹ BASS buttons (+, –)
❺ SHIFT button
❻ ACTIVE HYPER-BASS button
❼ POWER button
❽ SLEEP button
❾ AUX button
❿ CD DOOR button (⏏)
⓫ CD ►/❚❚: CD mode/play/pause button
⓬ ■/CLEAR:stop/clear button
⓭ TUNER/BAND button
⓮ PRESET TUNING button
⓯ TREBLE buttons (+,–)
⓰ VOLUME buttons (+,–)

Press the following buttons while holding down the SHIFT button ❺.
⓱ TIMER (⏲) button
⓲ CLOCK button
⓳ DOWN/UP button
⓴ ENTER button
㉑ PROGRAM button
㉒ INTRO button
㉓ RANDOM button
㉔ DISPLAY button
㉕ TIMER ON/OFF (⏲) button
㉖ EDIT button
㉗ REPEAT button
㉘ AUTO PRESET button
㉙ MODE(STEREO AUTO/MONO) button

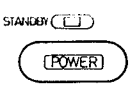
SWITCHING THE POWER ON/OFF





Switching the power on/off

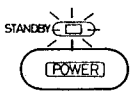
- Switching on:



The indicator goes out.

- The indicator in the display window lights.

- Switching off:



The indicator lights.

The indicator in the display window goes out and only the clock is indicated.

COMPU PLAY

Even when the power is set to STANDBY, pressing the button shown below switches on the power and selects the source.

	Function mode	Operations
▷/II	CD	When this button is pressed with a CD loaded, CD playback begins.
◁ or ▷	TAPE	When this button is pressed with a tape loaded, tape playback begins.
TUNER BAND	TUNER	When this button is pressed, the tuner is engaged
AUX	AUX	A sound source connected to the AUX terminal can be engaged.

When the CD door open/close button (⏏) is pressed, the source sound does not switched over, the CD door can open or close

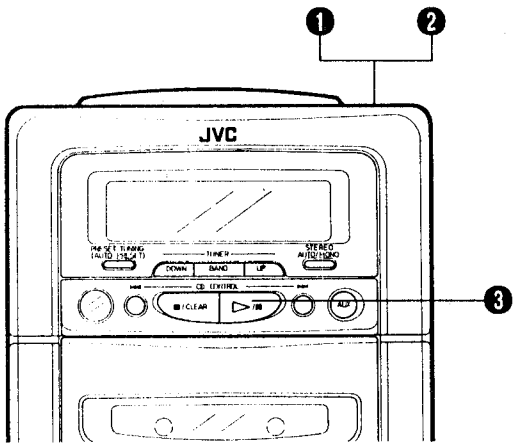
Notes:

1. When switching off the power, be sure to press the power button.
2. The COMPU PLAY button on the remote control has the same function as the UX-T1.
3. When the CD door opens and the Play/pause (▷/II) button is pressed, the CD door closes and the CD play starts.

PLAYING COMPACT DISCS

Playing an entire disc ... The following example assumes a compact disc with 12 tunes and a total playing time of 48 minutes 57 seconds.

Operate in the order shown



1. Press to open the CD door. (The power is switched on.)
2. Load a disc with the label side facing up. Press to close the CD door. (The door can be closed by pressing the ▷/II button.)
3. Press to start play.
   - As tunes are played, their track numbers go out one by one.

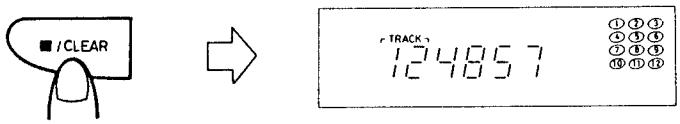
- After loading a CD, simply press the ▷/II button to switch on the power and start CD playback.

- 8-cm (3-3/16") compact discs can be used in this unit without an adapter.

Note:
When the CD door is closed by pressing the ▷/II button, the CD starts as soon as the CD door is closed.

To stop play

- **To stop in the middle of a disc**
  During playback, press the ■/CLEAR button to stop play.

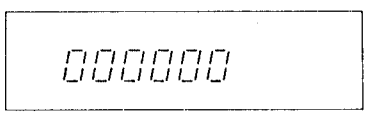


- The total number of tracks (tunes) and total playing time are displayed.

- **To stop a disc temporarily**
  Press the ▷/II button to stop play temporarily and the playing time blinks. When pressed again, play resumes from the point where it was paused.

Caution:
- To change discs, press the ■/CLEAR button; check that the disc has stopped rotating completely before unloading it.

Notes:
- The following indication may be shown when a disc is dirty or scratched, or when the disc is loaded upside down.
  In such a case, check the disc and insert again after cleaning the disc or turning it over.



- **Do not use the unit at excessive high or cold temperatures. The recommended temperature range is from 5°C (41°F) to 35°C (95°F).**
- After playback, unload the disc and close the CD door.
- If mistracking occurs during play, lower the volume.
- Mistracking may occur if a strong shock is applied to the unit or if is used in a place subject to vibrations (i.e. in a car travelling on a rough road).

Skip playback

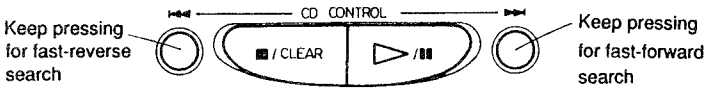
- During playback, it is possible to skip forward to the beginning of the next tune or back to the beginning of the tune being played or the previous tune; when the beginning of the required tune has been located, play starts automatically.

To listen to the next tune ...
Press the ▶▶| button once to skip to the beginning of the next tune.

To listen to the previous tune ...
Press the ⏮ button to skip to the beginning of the tune being played back and press again to skip to the beginning of the previous tune.

Search playback (to locate the required position on the disc)

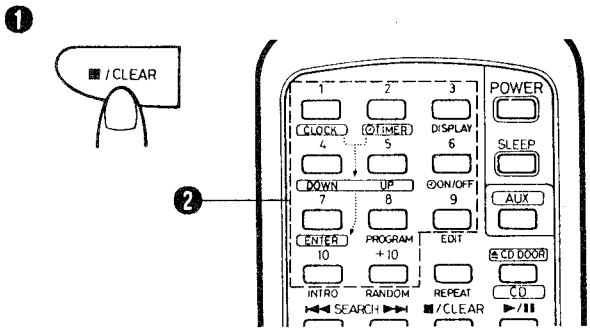
- The required position can be located using fast-forward or reverse search while playing a disc.



- Hold down the button; search play starts slowly and then gradually increases in speed.
- Since low-volume sound (at about one quarter of the normal level) can be heard in the search mode, monitor the sound and release the button when the required position is located.

Direct access playback (using the remote control)

- Pressing any of the track number buttons will start play from the beginning of the designated tune, without your having to press the CD ►/II button. (This function cannot be used during programmed play.)



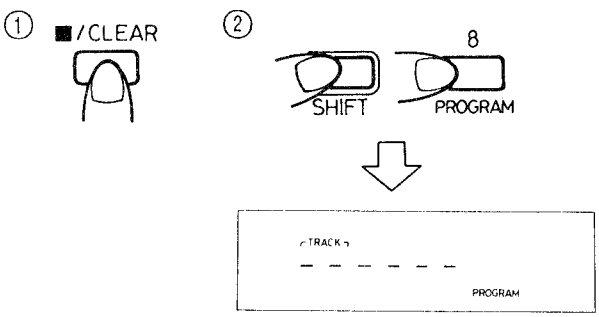
❶ Press the ■/CLEAR button to set to the CD mode.
❷ Designate the required tune using the track number buttons.
- To designate tune numbers 1 to 10, press the track number button corresponding to the tune (track) number.
- To designate tune number 11 or higher, press the +10 button the required number of times, then the track number button. (Example: To designate the 20th tune, press the +10 button once, then press track number button 10.)

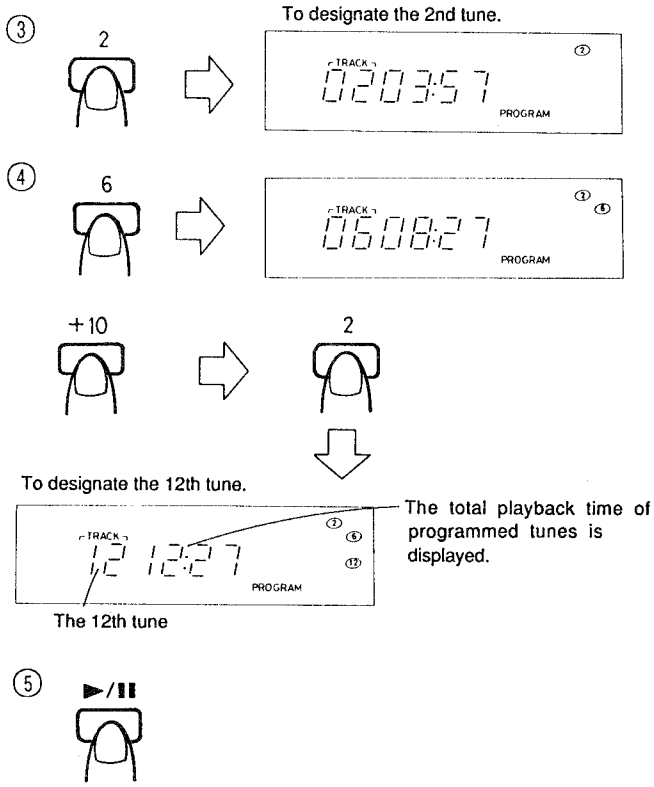
* +10 button:
Each time this button is pressed, the number increases by 10. First press this button to set the 10's digit, then press the track number button to set the 1's digit.

- **To skip to another tune during play**
When the required track number button is pressed, the display shows the designated track number and play starts from the beginning of the designated tune.

Programmed play (using the remote control)

- Up to 20 tunes can be programmed to be played in any required order.
The total playing time of programmed tunes is displayed (up to 99 minutes, 59 seconds).
(Example: When programming the 2nd tune to be played first, the 6th tune next, and then the 12th tune, etc.)

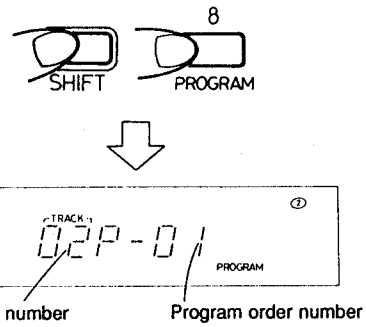




① Press the ■/CLEAR button.
② Press the PROGRAM button while pressing the SHIFT button to set to the programming mode.
③ Press to designate the required track number.
④ Designate the remaining tunes by pressing the track number buttons.
⑤ Press the ►/II button when programming is completed. Programmed playback starts.

To clear the programmed tunes ...
Press the ■/CLEAR button before playing a disc. During programmed playback, press this button twice. When the CD door is opened, programmed tunes are cleared automatically.

To confirm the details of a program...
Press the PROGRAM button while pressing the SHIFT button; the tunes making up the program will be displayed in programmed order.

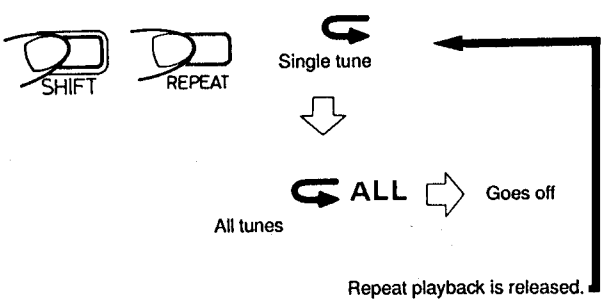


Notes:
1. If the total playing time of the programmed tunes exceeds 99 minutes 59 seconds, the total playing time indication will go out.
2. Programming 21 or more tunes is impossible.
3. When a disc with 16 or more tunes is loaded, the "OVER" indicator will appear.
4. When performing timer playback in the order of "Programmed play", step ⑤ above is not required.

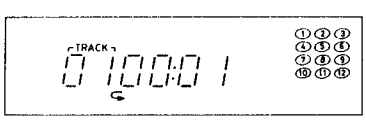
Repeat play (using the remote control)

Press the REPEAT button while pressing the SHIFT button before or during play. A single tune or all the tunes can be repeated.

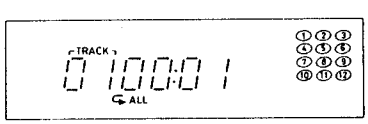
Whether a single tune or all tunes are to be repeated can be specified. Each time the REPEAT button is pressed while pressing the SHIFT button, the mode will change from a single tune (⊆), to all the tunes (⊆ ALL), to the clear mode, in this order.



- **Repeat playback of a single tune (⊆)**
  The tune being played back will be heard repeatedly.

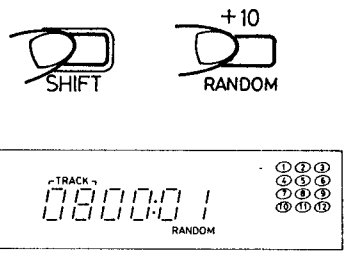


- **Repeat playback of all tunes (⊆ ALL)**
  When playing back an entire disc or programmed tunes, all tunes or the programmed tunes will be heard repeatedly.



Random playback (using the remote control)

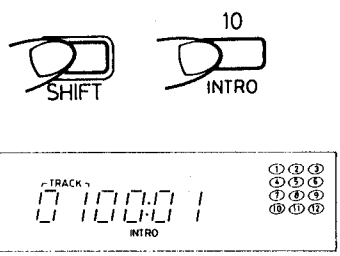
Press the RANDOM button while pressing the SHIFT button, all tunes on a disc are played once, in random order.



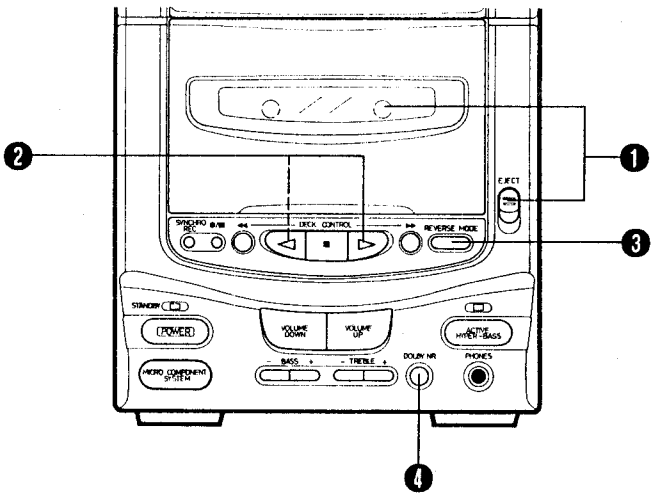
INTRO scan operation (using the remote control)

- Simply press the INTRO scan button while pressing the SHIFT button to play the first 15 seconds of each tune. The operation is released after playing the introductions of all tunes or all programmed tunes.
- If the INTRO scan button is pressed in the middle of a tune while pressing the SHIFT button, the intro scan operation will start from the next tune.

- To release the intro scan mode, press the INTRO scan button again while pressing the SHIFT button and normal playback (or programmed playback) will resume.



CASSETTE PLAYBACK



Operate in the order shown

1. Load a cassette tape with side A facing out.
2. Press to start playback. (The power is switched on and the TAPE mode is engaged to start the tape playback.
3. Select the reverse mode (⇄ / ⇉ /(⇄)).
4. Set the DOLBY NR switch as required.

- After loading a cassette tape, simply press the ◁ or ▷ button. The power is switched on and the tape starts playback.
- When the tape is played back with the reverse mode set to the ⇄ (single side play) or ⇉ (both side play) mode, the tape stops automatically at the end of tape after playing one side or both sides.

Music scan

- The beginning of the current tune or the next tune can be located using the music scan facility.

① Press the ▷ or ◁ button for tape playback.
② Press the ►► or ◄◄ button for music scan.
③ When music scanning is completed, playback will start automatically.
- To skip two tunes or more, repeat the above steps ② and ③.

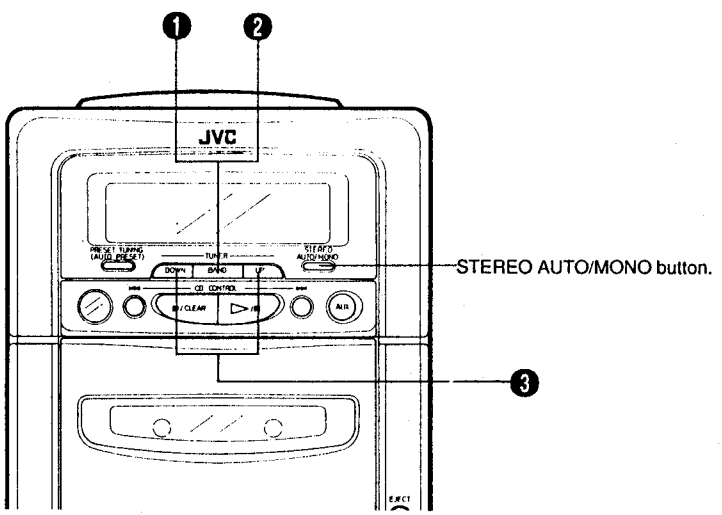
The tape direction indicators blinks during

	• To the start of the next tune	• To the start of the tune being played back
(Forward (▷) direction playback)	►►	◄◄
(Reverse (◁ direction playback)	◄◄	►►

Notes:
With the following types of tape, the Music Scan mechanism may not operate correctly. This is not a malfunction; use the Music Scan facility only with suitable tapes.

- Tapes with tunes having long pianissimo passages (very quiet parts) or non-recorded portion during tunes.
- Tapes with short non-recorded sections.
- Tapes with high-level noise or hum between tunes.

RADIO RECEPTION



Operate in the order shown

1. Press the TUNER/BAND button.
   - The power is switched on and a band and radio frequency will be shown in the display.
2. Select the band (FM or AM (MW/LW)).
3. Tune to the required station.

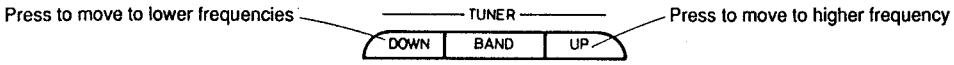
STEREO AUTO/MONO button

AUTO:
Set to this position when listening to or recording an FM stereo broadcast. The STEREO indicator lights when the FM stereo broadcast is received.

MONO:
Set to this position when FM stereo reception is noisy.

- **Seek tuning**
  Press the UP or DOWN button for one second or more; the unit enters the seek tuning mode and tunes to higher or lower frequencies, and when the broadcast is received, it stops tuning automatically and the broadcast can be heard.
  In AM operation, the frequency moves continuously from the MW to the LW band and vice versa.

- **Manual tuning**
  Each time the UP or DOWN button is pressed, the unit steps through the current frequency band. Tuning is in steps of 50 kHz for FM and 9 kHz for AM (MW/LW).
  In AM operation, the frequency moves continuously from the MW (522 - 1,629 kHz) to the LW (144 - 288 kHz) band and vice versa.



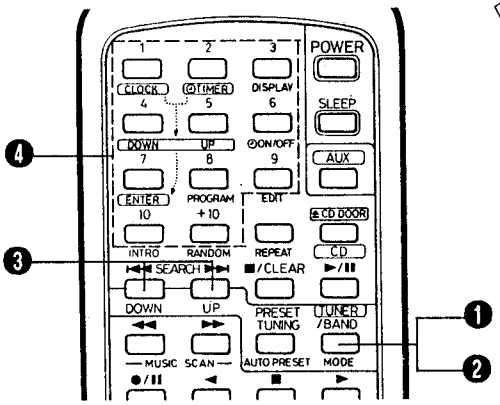
Notes:
- When seek tuning to the required station is not possible because it is broadcasting too weak a signal, press the UP or DOWN button momentarily to perform manual tuning.
- When the power is set to STANDBY, or another mode (TAPE or CD) is selected, the last tuned frequency is stored in memory. When the power is switched on again and TUNER/BAND button is pressed, the same station will be heard.

Auto preset tuning

This function scans the current band (FM or AM (MW/LW)), detecting frequencies used to broadcast signals, and stores the first 15 frequencies in memory automatically.
- Press the AUTO PRESET button for more than 2 seconds. The frequencies of stations broadcasting signals can be preset automatically in the order of increasing frequency.(15 stations in each band (FM and AM (MW/LW)).

Presetting stations (using the remote control unit)

15 stations in each band (FM and AM (MW/LW)) can be preset as follows:
- Example (when presetting an FM station broadcasting at 103.5 MHz to preset button "15")



❶ Press the TUNER/BAND button.
❷ Select the FM band using the TUNER/BAND button.
❸ Tune to the required station.
❹ Press preset button "+10", then "5" for more than 2 sec. (When "15" blinks in the preset station display, the station has been preset.)

- Repeat the above procedure for each of the other stations, using a different preset button each time..
- Repeat the above procedure for the AM (MW/LW) band.

- **To change preset stations**
  Perform step ❹ above after tuning to the required station.

Notes:
- The previous preset station is erased when a new station is set as the new station's frequency replaces the previous frequency in memory.
- When listening to an AM (MW/LW) broadcast, noise may be heard if the remote control is used.
- All preset stations will be erased when the power cord is disconnected or a power failure occurs for more than 24 hours. In such cases, preset them again.

Preset tuning

- The stations must be preset before this operation can be performed.

(Using the controls of the main unit)

① Press the TUNER/BAND button.
② Select the band (FM or AM (MW/LW)) using the TUNER/BAND button.
③ Press the PRESET TUNING button. (The frequency display blinks.)
④ While the frequency display is blinking, select the required preset station using the tuning (UP or DOWN) buttons.
⑤ Press the PRESET TUNING button to set the preset station.

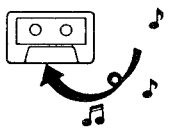
(using the remote control unit)

① Press the TUNER/BAND button
② Select the band (FM or AM (MW/LW)) using the TUNER/BAND button.
③ Press the required preset station buttons (No.1 – No.10, +10).
- The preset station number and frequency corresponding to the button pressed are shown.

Using the antennas

FM: Connect the provided FM feeder antenna (see page 7).
AM (MW/LW): Adjust the position of AM (MW/LW) loop antenna.

RECORDING



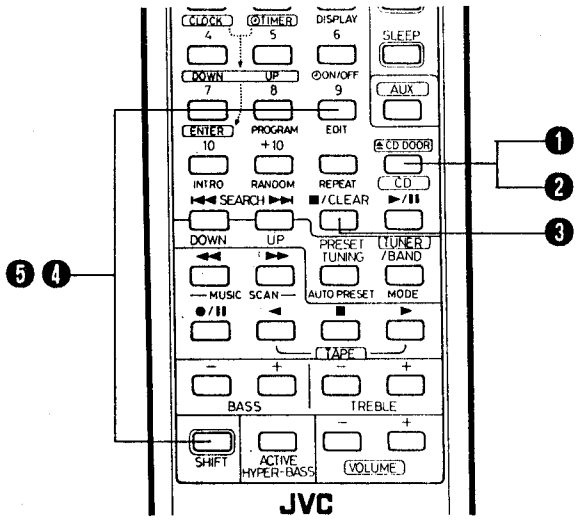
- In recording, the ALC circuit automatically optimizes the recording level; adjustment of the recording level is unnecessary.
- Check that the safety tab on the cassette tape is not broken off.

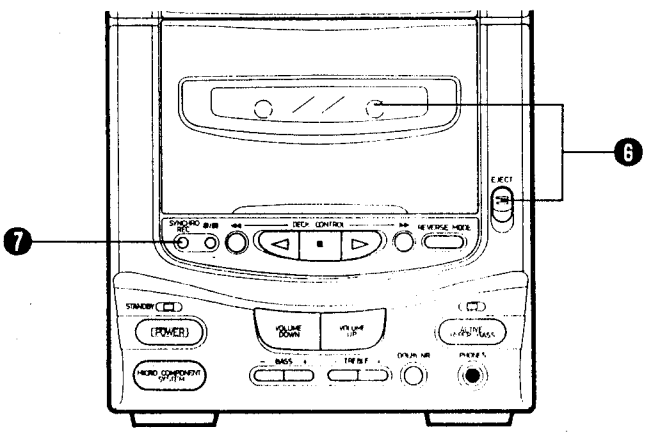
Notes:
This unit has recording characteristics suitable for normal and CrO_2 tapes. Normal and CrO_2 tapes have different characteristics from metal tape.

CD edit recording (for CDs with up to 99 tunes)

- By checking the total playing time of the CD, a microcomputer in the unit automatically calculates the optimum length (recording time) of the tape to be used, displays the required tape length, and divides the tunes on the disc into two groups to be recorded on the two sides of the tape so as to minimize tape waste.

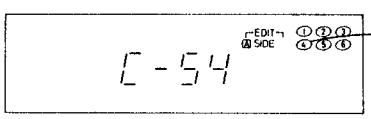
Operate in the order shown





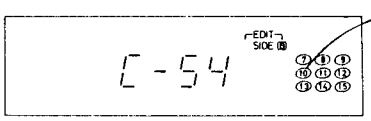
❶ Press to open the CD door. (The power is switched on.)
❷ Load a disc and press to close the CD door.
❸ Set to the CD mode.

❹ Press the EDIT button while pressing the SHIFT button.



The tune numbers recorded on side A appear.

❺ Press the EDIT button while pressing the SHIFT button.



The tune numbers recorded on side B appear.

❻ Insert a cassette with a suitable length (recording time) with side A facing out.
- The tape length can be set from the remote control. (See below.)

❼ Press the SYNCHRO REC button to start CD edit recording.
- Recording starts in the forward direction (on the side facing out).
- During edit recording, the leader tape section (approx first 10 sec.) is wound automatically and then recording starts. The reverse mode is set to ⇄ mode automatically.

- The tape stops automatically when the CD has been played.

- **To change the tape length (recording time)**
When the EDIT button is pressed while pressing the SHIFT button with a CD loaded, the tape length required to record the entire disc is displayed (C-46, C-54, C-60, C-74 or C-90).
At this time, the displayed tape length can be changed by pressing the track number buttons.

Example: To change to C-50
Press the +10 button four times, and within 10 seconds, press the 10 button.
When the length of the tape is changed, some of the tunes that were to be recorded on side A may be indicated as to be recorded on side B or vice versa, according to the tape length specified.
Depending on the tape length specified, some tunes may not be recorded on the tape. Set the tape length (recording time) so that the entire disc can be recorded.

- **When editing a disc with 16 to 20 tunes**
  CD editing can be used to record discs containing up to 20 tunes, however, the music calendar shows up to only 15 tunes.
  As the 16th to 20th tunes will not appear in the music calendar display (the "OVER" indicator will light), be sure to check the tunes you have recorded after completing editing.

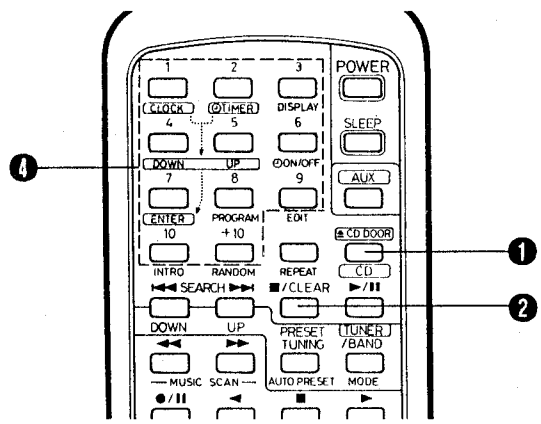
- **Set the DOLBY NR as required. The DOLBY NR indicator lights.**

Note:
The optimum sound quality will not be obtained if different DOLBY NR switch settings are used during recording and playback.

Synchronized recording with the CD player

- In this system, the CD player starts playback when the cassette deck enters the recording mode.

Operate in the order shown



❶ Load a disc and close the CD door. (The power is switched on.)
❷ Set to the CD mode.
❸ Load a cassette with side A facing out. (Wind past the leader tape before starting recording.)
❹ When programmed playback is required, program the required tunes using the remote control. (See page 26.)
  - Select tunes with a total playing time which does not exceed the tape length.
❺ Select the required reverse mode (⇄ or →)
❻ Press the SYNCHRO REC button; synchronized recording will start.

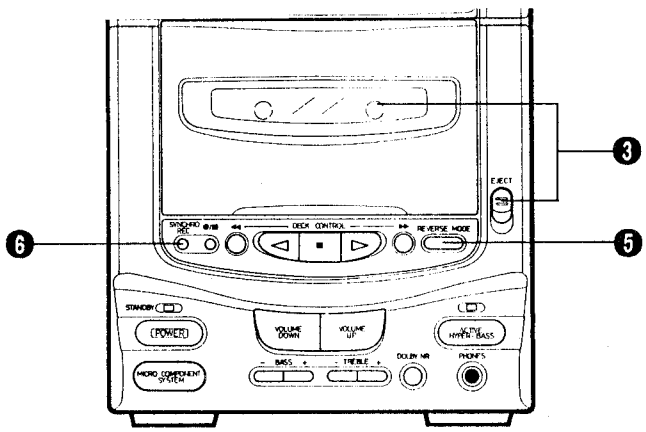
- Recording starts in the forward direction and CD play starts automatically.
- When the CD player has played the disc or programmed tunes, the deck stops automatically.
- Non-recorded sections of approx. 4 seconds are automatically left between tunes.

Notes:
- When a disc with 21 tunes or more is loaded, "C---" will appear in the display. In such a case, set the required tape length using the track number buttons on the remote control.
- In CD edit recording blanks of approx. 4 seconds will automatically be left between tunes on the recorded tape.

When automatic spacing between tunes is not required ...
Perform the following.
1. Press the ▷/II button of the CD player twice. The CD Player enters the pause mode.
2. Press the SYNCHRO REC button to start recording.

Note:
- Depending on the disc used, blanks of a specified length may be left between tunes

- **After use**
  Press the ■/CLEAR button to release the CD edit recording mode. (The CD edit recording mode is also released when the CD door is open.)



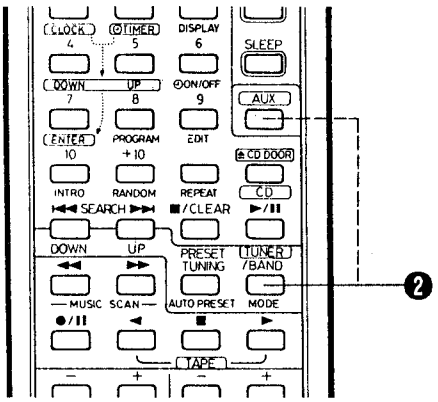
- To stop recording in the middle, press the ■ (stop) button of the cassette deck.

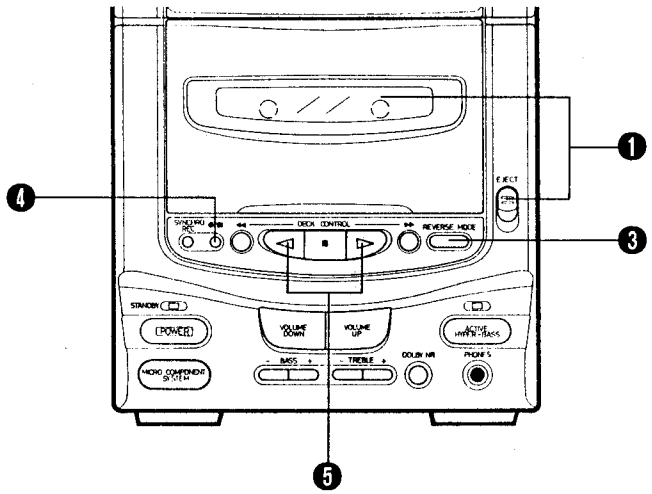
- **CD complete recording function (Synchro recording mode only)**
  If the tape is reversed while a CD is being played, recording will be done on the reverse side of the tape as follows:
  * When less than 10 seconds of the last tune on the forward side of the tape have been recorded, recording on the other side of the tape will start from the beginning of the previous tune.
  * When more than 10 seconds of the last tune on the forward side of the tape have been recorded, recording on the other side of the tape will start from the beginning of the current tune.
- **To record an entire disc in the tune order of the CD**
  After the operations in steps ❶ - ❸ above, press the ▷/II button of the CD player while pressing the ●/II and ▷ buttons simultaneously.

Note:
- During CD edit recording and synchro recording, the PAUSE and SEARCH buttons do not function.

Recording from the radio or an external source connected to the AUX terminals

Operate in the order shown





❶ Load a cassette with side A facing out.
(Wind past the leader tape before starting recording.)
❷ Select the source to be recorded.
TUNER: Press the TUNER/BAND button. Tune to the required station.
AUX: Press the AUX button.
❸ Select the required reverse mode (⇄ or ⇄).
❹ Press the ●/❚❚ button (recording-pause mode).
- The tape direction indicator (◄ ►) blinks.
- The function switch is locked and its position cannot be changed.

❺ Press to start recording.

- To stop recording temporarily, press the ●/❚❚ button. To resume recording, press the ▷ or ◁ button corresponding to the tape direction indicator which is blinking.

Note:
- Recording cannot be performed on the side the tape direction indicator of which is not lit.

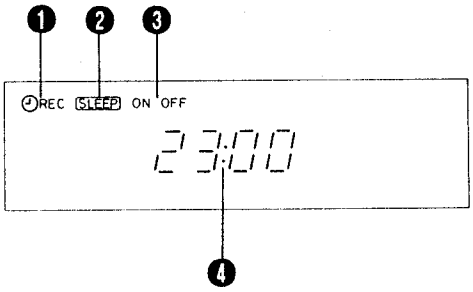
Erasing

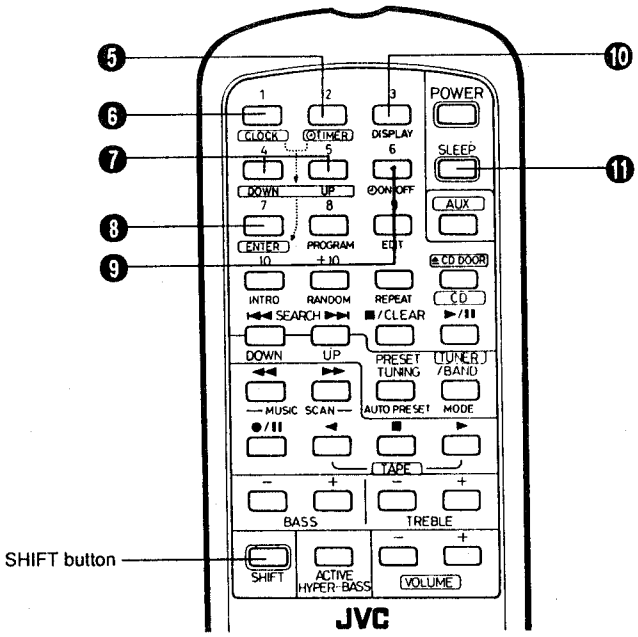
When recording on a pre-recorded tape, the previous recording is automatically erased and only the new material can be heard when the tape is played.
To erase a tape without making a new recording...
Press the ■ (stop) button to set to the TAPE mode, then perform recording.

CLOCK/TIMER ADJUSTMENT

(Using the remote control)

Names of parts in the clock/time section, and their functions:



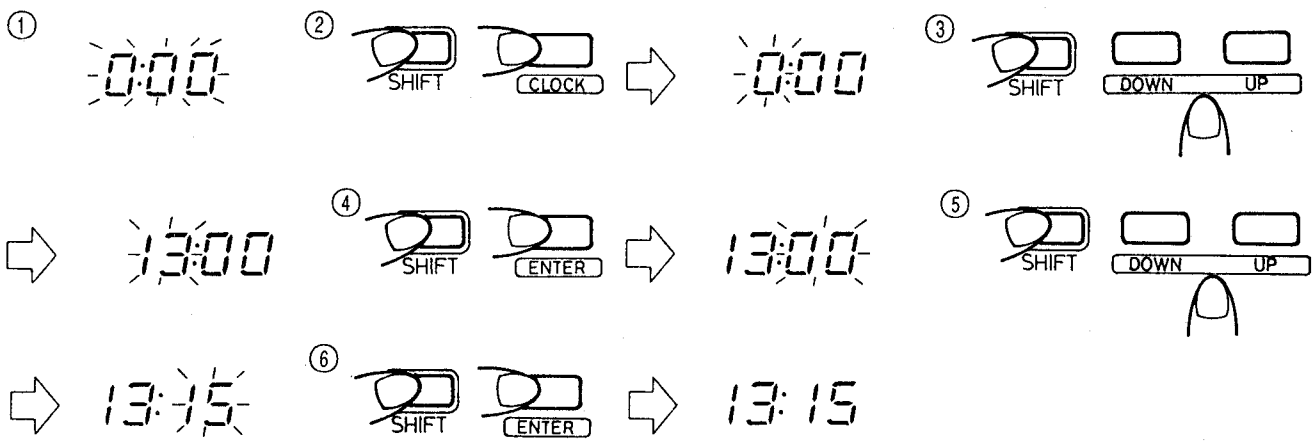


❶ Timer mode indicator
❷ SLEEP indicator
❸ Timer indicator (ON/OFF)
❹ Time display

Press the following buttons while holding down the SHIFT button ❺.
❺ TIMER (⏲) button
❻ CLOCK button
❼ DOWN/UP button
❽ ENTER button
❾ Timer ON(⏲)/OFF button
❿ DISPLAY button
Use to display a current time
⓫ SLEEP button

Setting the current time (when the UX-T1 is used for the first time)

(Example: to set the clock to 13:15.)



① Connect the AC power cord; "0:00" will blink in the display.
② Press the CLOCK button while pressing the SHIFT button; the hour's digits will blink.
③ Set to 13:00 by pressing the UP/DOWN buttons while pressing the SHIFT button. (When the buttons are kept pressed, the time indication changes continuously.)
④ Press the ENTER button while pressing the SHIFT button; the minute's digits will blink.
⑤ Set to 13:15 by pressing the UP/DOWN buttons.
⑥ Press the ENTER button while pressing the SHIFT button; the time will light in the display.

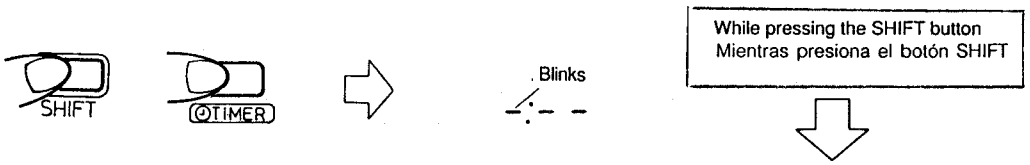
- To set to the nearest second...
  Press the ENTER button when you hear the time signal from a TV or radio.

Notes:
- Before performing timer recording or playback, it is necessary to set the current time.
- It is recommended to set the current time with the power switch set to STANDBY so that the current display mode is maintained.
- When the power cord is plugged in again after being disconnected or power is restored after a power failure, clock display will blink or light in the display. Set the current time again.

Setting the timer

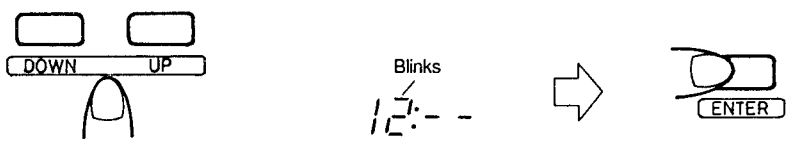
- The current time must be set before the timer can be used.

❶ Press the TIMER (⏲) button while pressing the SHIFT button.

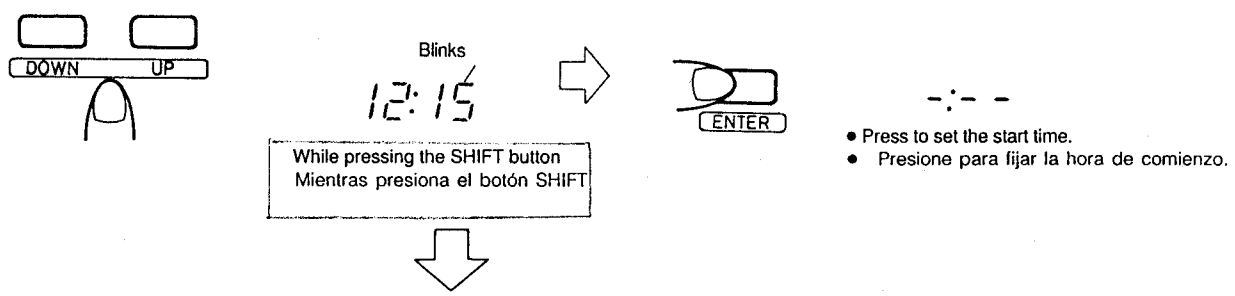


❷ Set the start time
(Example: when the timer start time is set to 12:15 PM.)

① Adjust the hours.

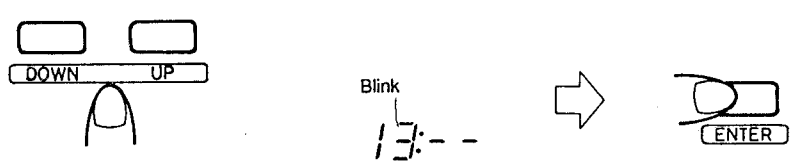


② Adjust the minutes.

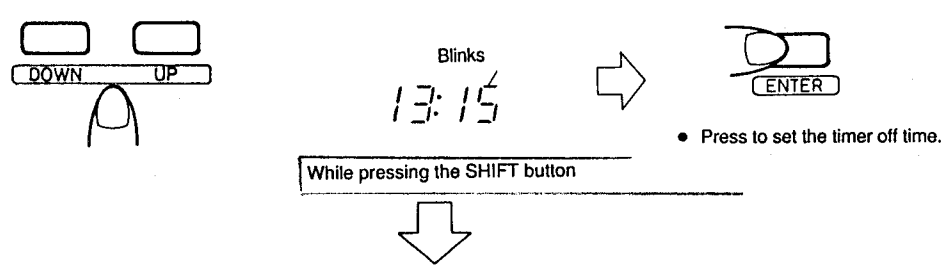


❸ Set the stop time
(Example: when the timer stop time is set to 1:15 PM.)

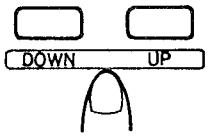
① Adjust the hours.

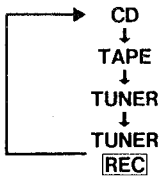


② Adjust the minutes.



❹ Select the TIMER mode.



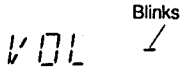


• The selected timer mode is shown in the display.

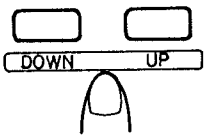
When the UP button is pressed to select the timer mode, the mode changes from the CD (timer playback of a CD), TAPE (timer playback of a tape), TUNER (timer recepion of a broadcast) toTUNER/ REC (timer recording of a broadcast), in this order.

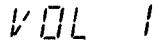
While pressing the SHIFT button

Blinks



❺ Set the volume.



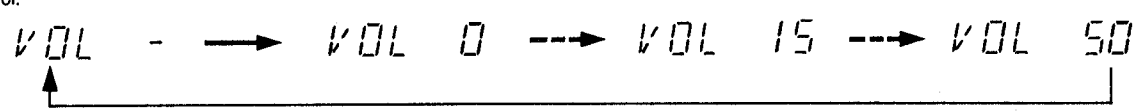


This shows when volume level 1 is selected.

• The selected volume is set.

The playback level is determined by the position of VOLUME control.

When the UP button is used to select the volume.



The volume decreases to zero at the timer start time, and the sound fades in.

- The unit enter the previously engaged mode and timer setting is complete.

- **To check the timer setting**

1. Press the TIMER (⏲) button while pressing the SHIFT button.
2. Press the ENTER button while pressing the SHIFT button to check the timer mode.
3. When the previous engaged mode is displayed, timer setting has been completed.

Notes:

- When the timer is set incorrectly or the correct mode is not selected, perform "Setting the timer" from the beginning.
- When the timer is set, "-:--" in the display is replaced by the input digits.
- When the timer stop time is not set, the timer operates for 2 hours and then the unit is switched off. To continue listening after the timer stop time, display the timer stop time, change the hours digits to "-:" using the UP button and press the ENTER button.

TIMER OPERATIONS

Timer recording of broadcast

- The current time must be set correctly before you set timer recording.
- Make sure that the erase protection tabs of the cassette have not been broken off.

Operations

1. Set the POWER button to ON.
2. Load a cassette.
   - Insert the cassette with the side to be recorded facing out.
   - Set the reverse mode button to " ⇄ " or " ⇄ " and set the DOLBY NR button as required.
3. Set the timer start and stop times, set the timer recording mode, then set the required volume, in this order. (Refer to "Setting the timer" on page 47.)
   - Set the timer about a minute before the broadcast to be recorded is scheduled to start.
4. Tune to the station to be recorded. (Refer to page 33.)
5. Set the POWER button to STANDBY.

- **Timer recording will start at preset start time and the power will be switched off at preset stop time.** When timer recording is completed, the timer mode is switched to the "TUNER" (timer reception of broadcast) mode.

- **To cancel timer operation**
  Press the timer (⏲) ON/OFF button so that the timer mode display goes out.

If you do this, timer recording will not start at the timer start time.

Notes:

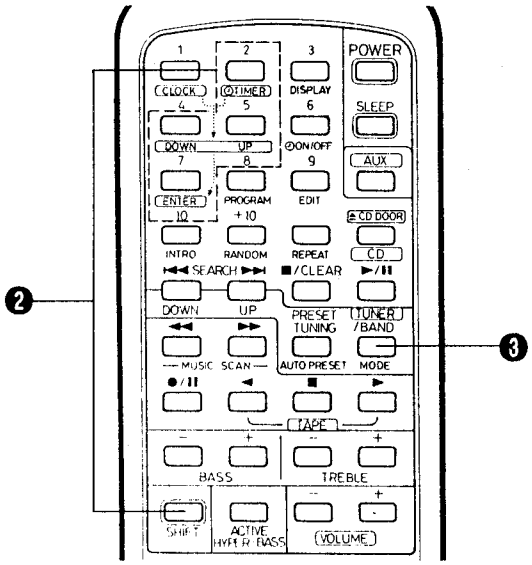
Once the timer has been set, the start and stop times, etc., are stored in memory. When timer recording or playback is required at different times, the timer must be set again.

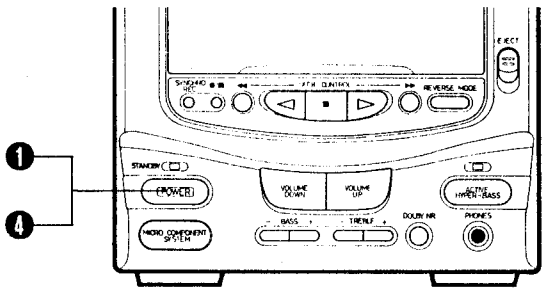
- After setting the timer start and stop times, check that the unit is tuned to the required frequency.
- When the power cord is disconnected or there is a power failure, timer settings will be erased from memory. If this happens, set the current time and perform the timer setting again.

Timer playback

- Timer playback of tapes, broadcasts and CDs is possible.

Operations





❶ Set the POWER switch to ON.
❷ Set the timer start and stop times, set the timer playback mode, then set the volume, in this order. (Refer to "Setting the timer" on page 47.)

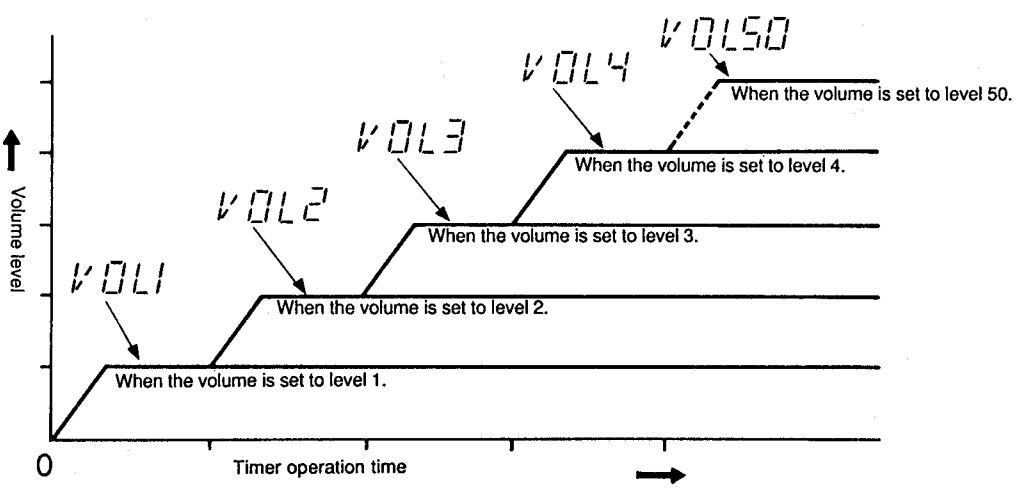
Source sound	Timer mode	Operations
CD play	CD	Load a disc.
Tape playback	TAPE	Load a cassette tape.
Broadcast	TUNER	—

- Timer playback of a CD is possible in programmed order. (See page 26.)
- The volume can be set to 50 different levels.

❸ Tune to the required frequency when the timer playback of a broadcast is to be performed.
❹ Switch the power off.

- Timer playback will start at the timer start time and the power will be switched off at the timer stop time. The unit remains in the same timer mode even after the power is switched off and the same timer function will be repeated at the same time on the following day.

- Volume setting and fade-in operation



- When the power is switched on, it is possible to fade in the sound from volume level 0 (zero) to the preset volume.

- **To cancel timer operation**
  Press the timer (⏲) ON/OFF button while pressing the SHIFT button so that the timer mode indicator (⏲) disappears.

Notes:
- When the volume setting is set to "VOL -" (volume level is not specified), the timer playback volume is set to that before setting the timer.

- To stop during timer playback, press the POWER button to switch the unit off.
- In the fade-in mode, the volume gradually increases from zero.

SLEEP OPERATIONS

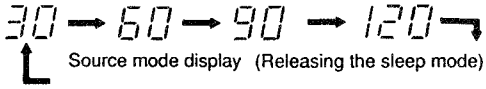
A. Use this when you want to fall asleep while listening to a tape, broadcast or CD.

① Set to the required source

	Operations
Broadcast	Press the TUNER/BAND button to set to the tuner mode and tune to the required frequency.
Tape playback	Load a cassette and press the ▷ or ◁ button to play back the tape.
CD play	Load a disc and press the ▷/II button to play the disc.

② Press the SLEEP button to set to the sleep time.

SLEEP is shown in the display



- Sleep times of 30, 60, 90 or 120 minutes can be set. When you release the SLEEP button, the source is displayed after 10 sec.

- The sleep operation will start and the power will be switched off after the specified time.

- **Checking the sleep time**
  When the SLEEP button is pressed, the remaining sleep time is displayed. If it is pressed again, a new sleep time can be set.

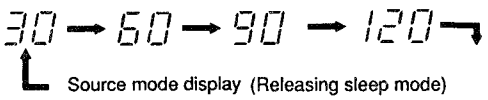
- **To cancel the sleep operation**
  Press the POWER button to switch the power off or press the SLEEP button until the sleep time indicator disappears.

B. To fall asleep while listening to a broadcast or CD and to perform timer playback the following morning

1. Set the timer playback start and stop times. (See the "Setting the timer" on page 47.)
2. Set the timer mode and volume. (See "Setting the timer" on page 47.)
3. Set to the required source (broadcast, tape or CD).
4. Press the SLEEP button to set the sleep time.

- Any required source can be selected when performing the sleep operation and time playback. For example;
  - CD play for sleep operation and broadcast reception for timer playback.
  - Tape playback for sleep operation and CD play for timer playback.

  However, when broadcast reception is selected for both sleep operation and timer playback, the station you were listening to at night will be tuned to the following morning.



6 Location of Main Parts

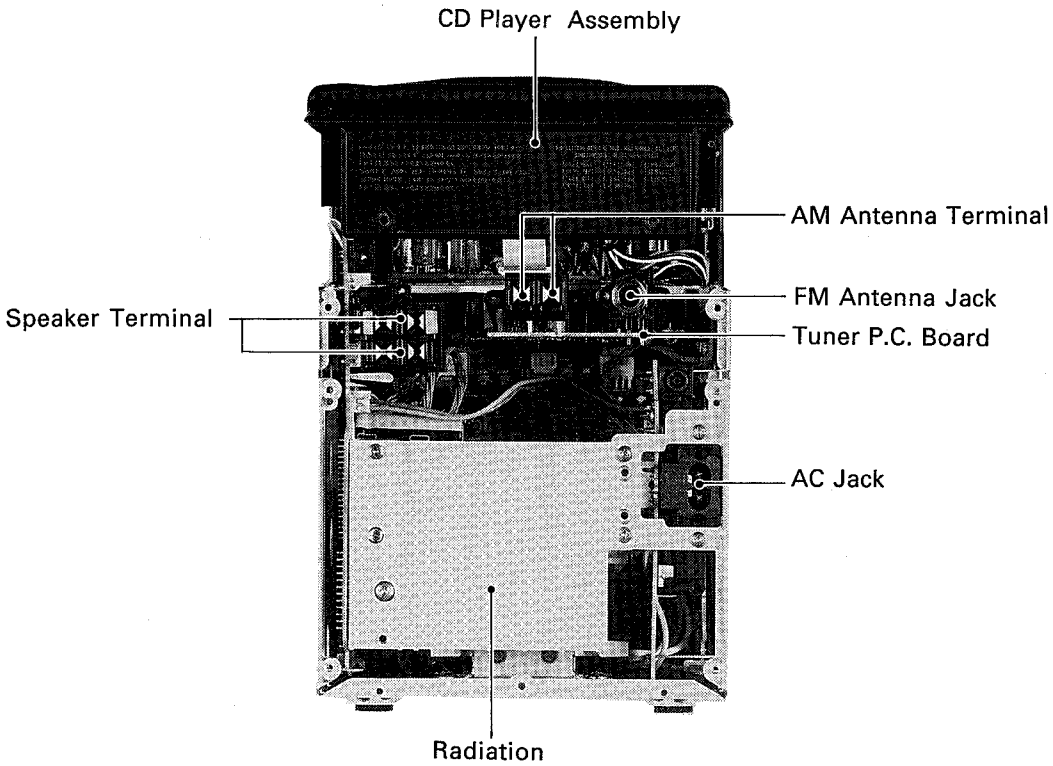


Fig. 6-1

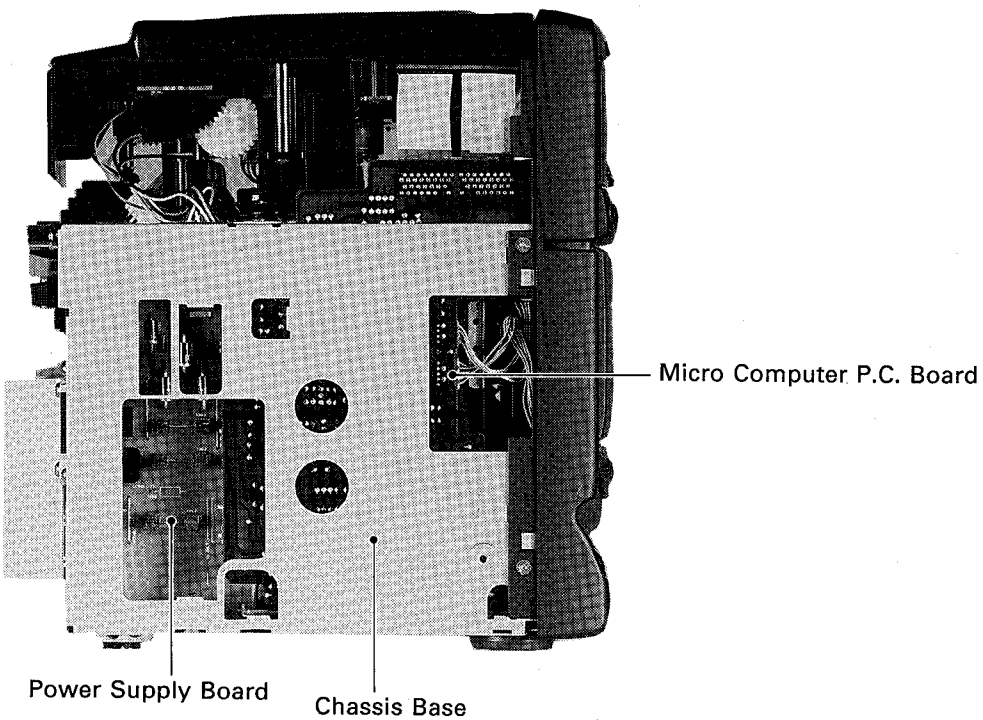


Fig. 6-2

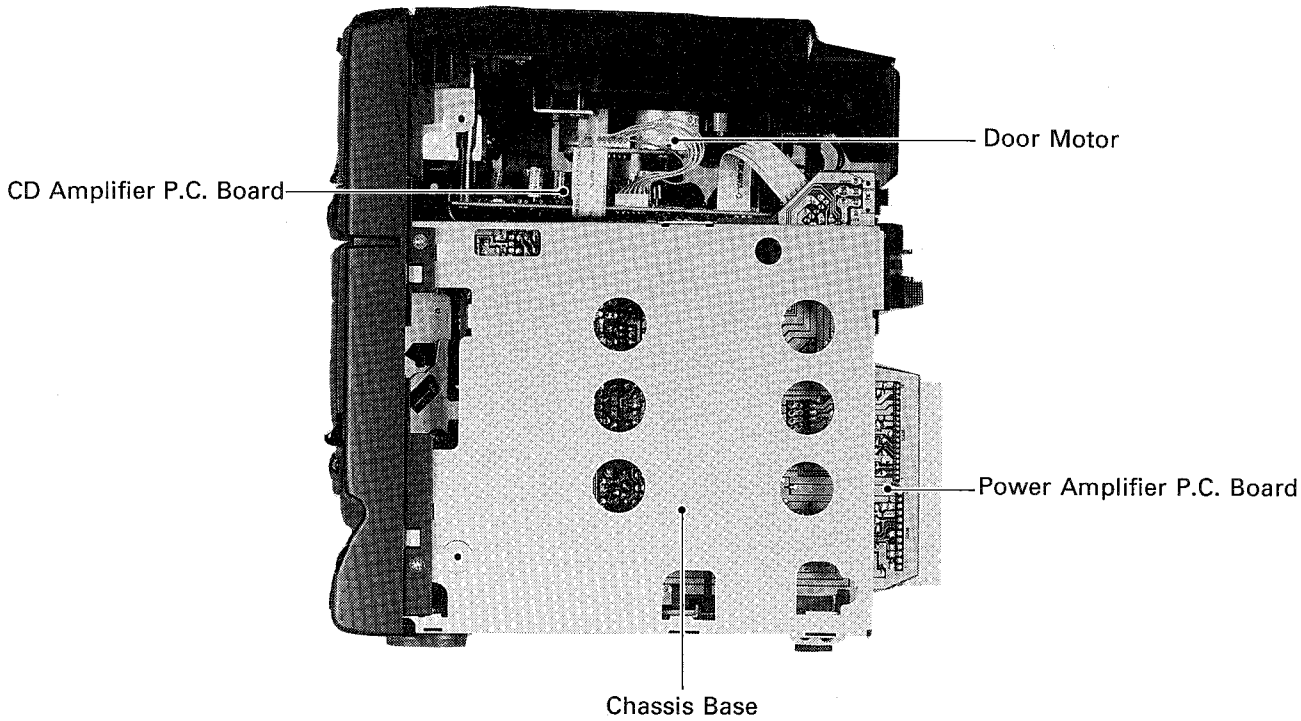


Fig. 6-3

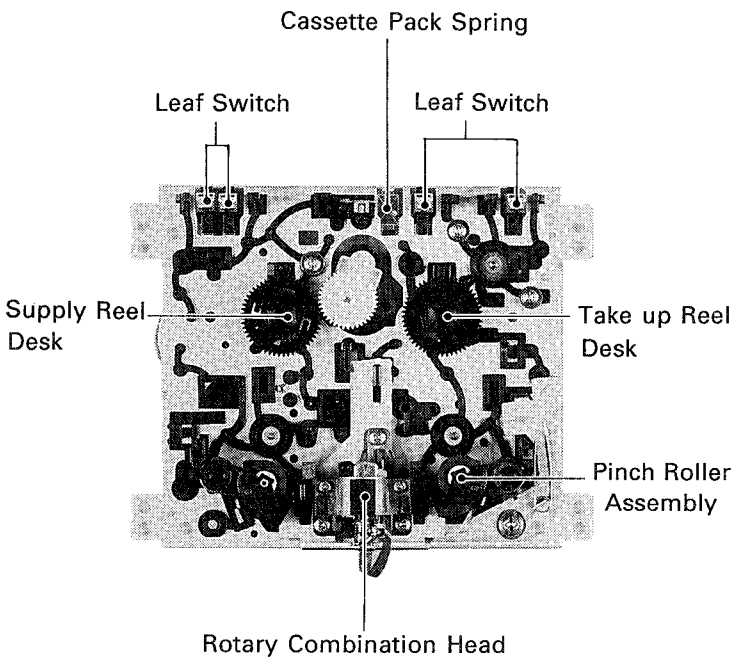


Fig. 6-4

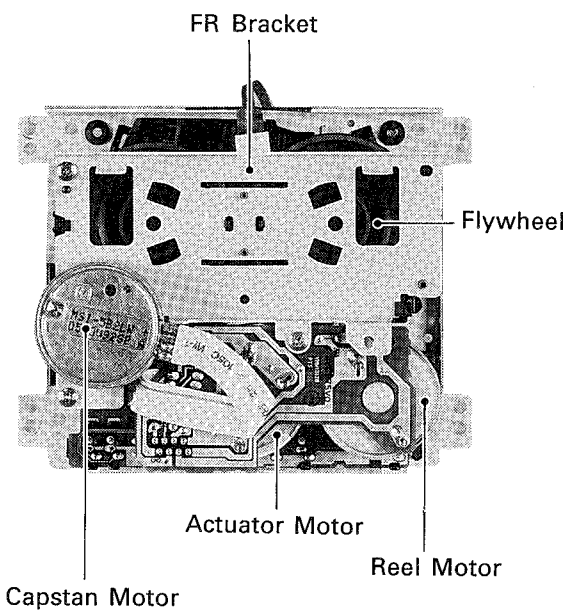
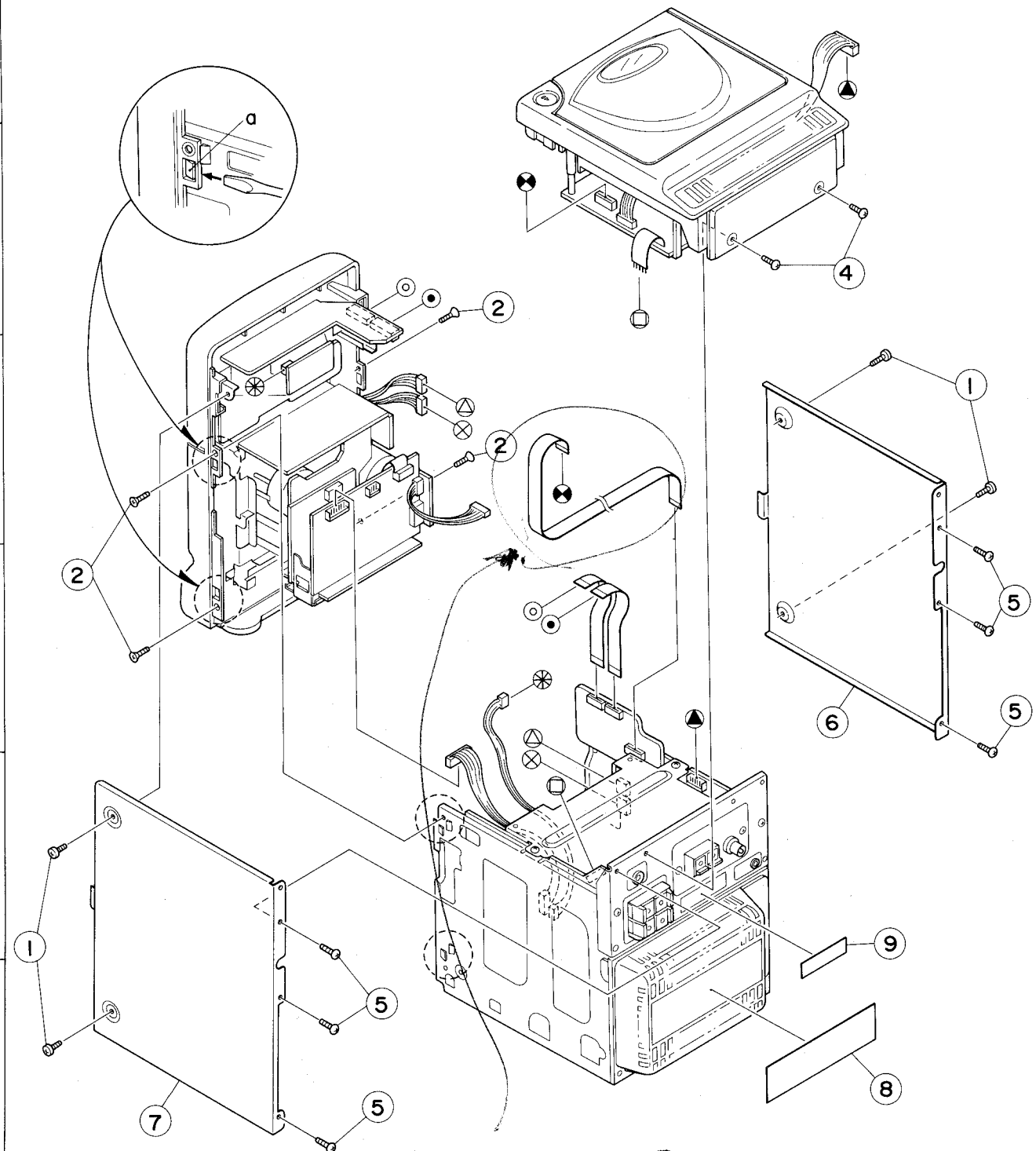


Fig. 6-5

7 Removal of Main Parts

■ Exploded View of Enclosure Parts (1) : Block No. M 1



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森田氏 確認

Fig. 7-1

● Removal of Main Assembly

■ Front panel assembly (Fig. 7-1)

1. Remove two screws (1) retaining the right side panel to the main unit.
2. Remove three screws (5) retaining the right side panel to the main unit.
3. Remove two screws (1) retaining the left side panel to the main unit.
4. Remove three screws (5) retaining the left side panel to the main unit.
5. Remove four screws (2) retaining the front panel assembly to the main unit.
6. Insert an ordinary (–) screwdriver into four pawls (a) one after another to release the front panel from retaining to the main unit.
7. Disconnect the card wires of the connectors CN709 and CN710 of the LCD board from the connectors CN701 and CN702 of the Micro Computer board.
8. Disconnect the connector connected with W705 of the Tuner Key Switch board of the CD section from the connector CN705 of the Micro computer board.
9. Disconnect the connector connected with W706 of the Deck amplifier Key Switch board from the connector CN706 of the Micro Computer board.
10. Disconnect the connector connected with W361 of the Relay board from the connector CN708 of the Micro Computer board.
11. Remove the terminal plate and the rear cover according to descriptions in page 33.
12. Disconnect the 2-pin connector connected with the Power Amplifier board from the connector CNA31 of the LCD Lamp board.
13. Disconnect the wire W341 of the Power Amplifier board from the connector CN341 of the Dolby board.
14. Detach the front panel assembly from the main unit.

■ CD player assembly (Fig. 7-1)

1. Remove two screws (4) retaining the CD player assembly to the rear of the main unit.
2. Lift the CD player assembly slightly above the main unit while disconnecting the card wire conencted with the connector CN601 of the CD Amplifier board from the connector CN707 of the Micro Computer board.
3. Disconnect the parallel wire connected with FW501 of the CD Amplifier board from the connector CNA32 of the Power Amplifier board.
4. Disconnect the connectors of the Door Switch board, Door Open Switch board, Door Motor board and Door Close Switch board from the connector CN704 of the Micro Computer board.

■ Enclosure parts (1) list

BLOCK NO. M1MM

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	QTY	SUFFIX	CLR
	1	SBSG3008N	TAPPING SCREW	WHITE	4		
		SBST3008M	TH.TAP.SCREW	BLACK	4		
	2	SSST3006Z	SCREW	CHASSIS+F.PANEL	4		
	4	SBST3008M	TH.TAP.SCREW	BLACK	2		
		SBSG3008N	TAPPING SCREW	WHITE	2		
	5	SBSG3008N	TAPPING SCREW	WHITE	6		
		SBST3008M	TH.TAP.SCREW	BLACK	6		
	6	VJC2496-001	SIDE PANEL(L)	BLACK	1		
		VJC9496-011	SIDE PANEL(L)	WHITE	1		
	7	VJC2497-001	SIDE PANEL(R)	BLACK	1		
		VJC2497-011	SIDE PANEL(R)	WHITE	1		
	8	VYN9212-130	NAME PLATE		1	VX	
		VYN9212-127	NAME PLATE		1	EN	
		VYN9212-M122	NAME PLATE		1	E	
		VYN9212-M123	NAME PLATE		1	B	
		VYN9212-M124	NAME PLATE		1	G	
		VYN9212-M128	NAME PLATE		1	GI	
	9	VND4221-001	CLASS 1 LABEL		1		

■ Exploded View of Enclosure Parts (2)

: Block No. M 2

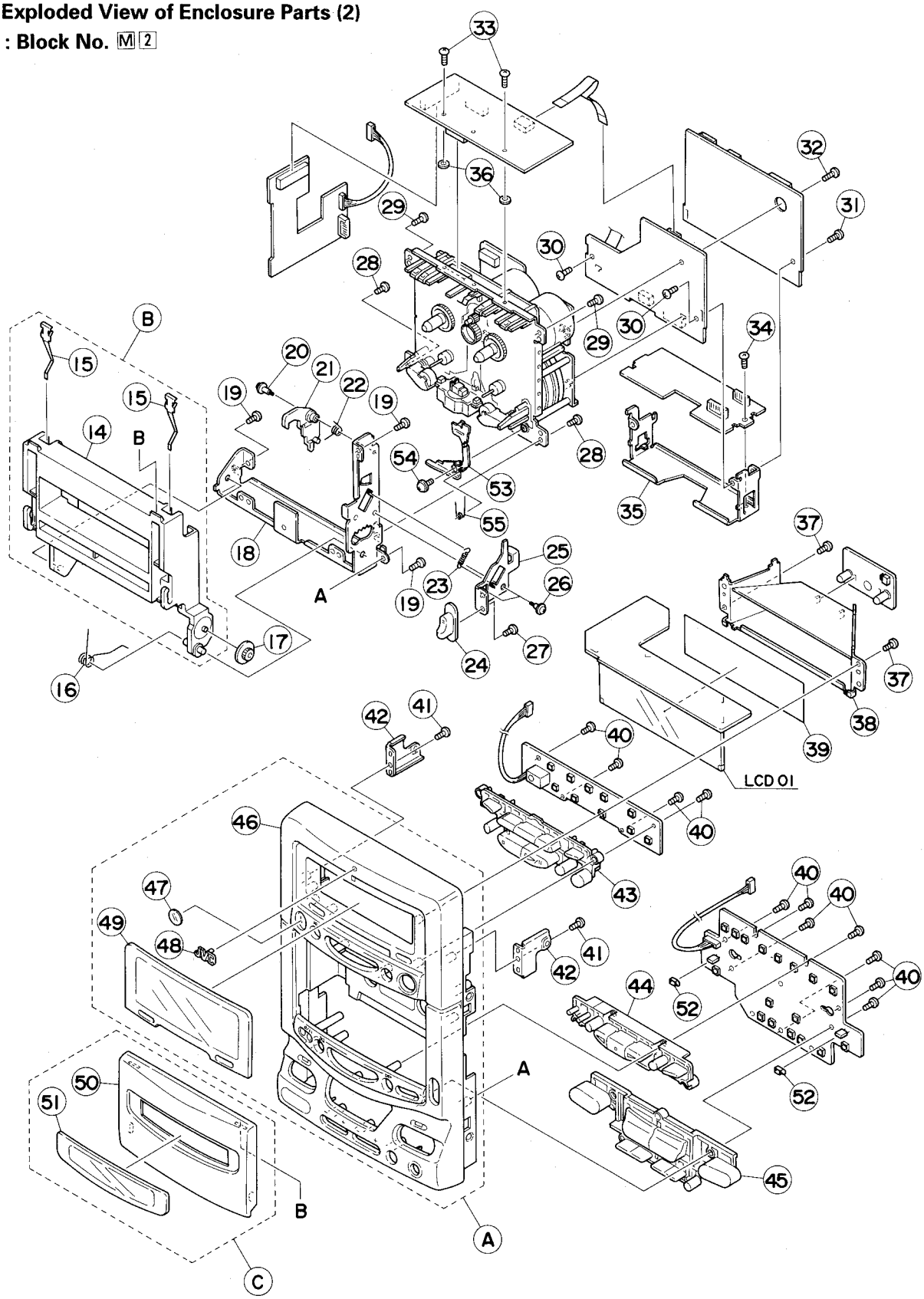


Fig. 7-2

■ Enclosure parts (2) list

BLOCK NO. M2MM

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	QTY	SUFFIX	CLR
	A	ZCUXT1K-FB	FRONT CABINET	BLACK	1		
		ZCUXT1K-FW	FRONT CABINET	WHITE	1		
	B	ZCUXT1-CH	CASSETTE HOLDER	BLACK	1		
		ZCUXT1K-CHW	CASSETTE HOLDER	WHITE	1		
	C	ZCUXT1-CLB	CASSETTE LID	BLACK	1		
		ZCUXT1K-CLW	CASSETTE LID	WHITE	1		
	14	VJT2325-001	CASSETTE HOLDER	BLACK	1		
		VJT2325-011	CASSETTE HOLDER	WHITE	1		
	15	VKY4180-001	CASSETTE SPRING		2		
	16	VKW4939-003	DOOR SPRING		1		
	17	VYH5601-001	GEAR		1		
	18	VYH3781-001	DOOR HOLDER		1		
	19	SBSF3008Z	SCREW	F.PANEL+DOOR HO	3		
	20	VKZ4341-001	SPECIAL SCREW	DOOR HOL.+E.ARM	1		
	21	VYH7805-001	EJECT ARM		1		
	22	VKW4938-001	TORTION SPRING	FOR EJECT ARM	1		
	23	VKW3002-274	TENSION SPRING	FOR EJECT LEVER	1		
	24	VXQ4117-001	EJECT KNOB		1		
	25	VYH7804-001	EJECT LEVER		1		
	26	VKZ4323-002	SCREW	DOOR HOL+E.LEVE	2		
	27	SBSF2608Z	SCREW	E.LEVER+E.KNOB	1		
	28	SBST3006Z	SCREW	DOOR HOL+MECHA	2		
	29	SBSF3008Z	SCREW	P.PANEL+MECHA	2		
	30	SBST3006Z	SCREW	PLAY PWB+PWB BK	2		
	31	SBST3006Z	SCREW	REC PWB+PWB BKT	1		
	32	SBST3006Z	SCREW	PLAY PWB+MECHA	1		
	33	SDST2606Z	SCREW	MECHACON PWB+ME	2		
	34	SBST3006Z	SCREW	BIAS PWB+PWB BK	1		
	35	VYH7807-001	PWB BKT		1		
	36	VYSS2R5-022	SPACER	#1-#5000	2		
	37	SBSF3008Z	SCREW	F.PANEL+L.CASE	2		
	38	VYH3780-001	LAMP CASE		1		
	39	VYTT627-001	LCD FILTER	FOR LCD	1		
	40	SBSF2610Z	SCREW	FRONT+KNOB,PWB	11		
	41	SBSF3008Z	SCREW	F.PANEL+BKT----	2		
	42	VYH7809-001	BRACKET	FOR F.PANEL	2		
	43	VXP3598-001	PUSH KNOB(A)	BLACK	1		
		VXP3598-011	PUSH KNOB(A)	WHITE	1		
	44	VXP3599-001	PUSH KNOB(B)	BLACK	1		
		VXP3599-011	PUSH KNOB(B)	WHITE	1		
	45	VXP3600-001	PUSH KNOB(C)	BLACK	1		
		VXP3600-011	PUSH KNOB(C)	WHITE	1		
	46	VJG1235-001	FRONT PANEL	BLACK	1		
		VJG1235-011	FRONT PANEL	WHITE	1		
	47	VYTT574-001	FILTER		1		
	48	E406971-221	JVC MARK	BLACK	1		
		PQ42561-2	JVC MARK	WHITE	1		
	49	VJT4205-001	LCD LENS	BLACK	1		
		VJT4205-011	LCD LENS	WHITE	1		
	50	VJT2326-001	DOOR COVER	BLACK	1		
		VJT2326-011	DOOR COVER	WHITE	1		
	51	VJT4206-001	DOOR LENS	BLACK	1		
		VJT4206-011	DOOR LENS	WHITE	1		
	52	VYH7800-002	LED HOLDER		2		
	53	VKL7293-001	EJECT SAFTY(R)		1		
	54	SBSF3010Z	SCREW	FOR EJECT SAFTY	1		
	55	VKW5069-002	TORSION SPRING	FOR EJECT SAFTY	1		
	LCD01	VGL1144-001	LCD		1		

● Removal of Front Panel Assembly

■ **LCD board assembly** (Fig. 7-3)
Remove two screws (37) retaining the LCD board assembly to the front panel.

■ **Tuner/CD Switch board** (Fig. 7-3)
1. Remove four screws (40) retaining the Tuner/CD Switch board to the front panel.
2. Disconnect the 4-pin connector connected with W705 of the Tuner/CD Switch board from the connector CN705 of the Micro Computer board.

■ **Cassette mechanism assembly** (Fig. 7-3)
1. Remove five screws ([19] × three, [29] × two) retaining the cassette mechanism assembly to the front panel.
2. Press the EJECT button on the front panel to open the cassette door and remove the cassette mechanism assembly.

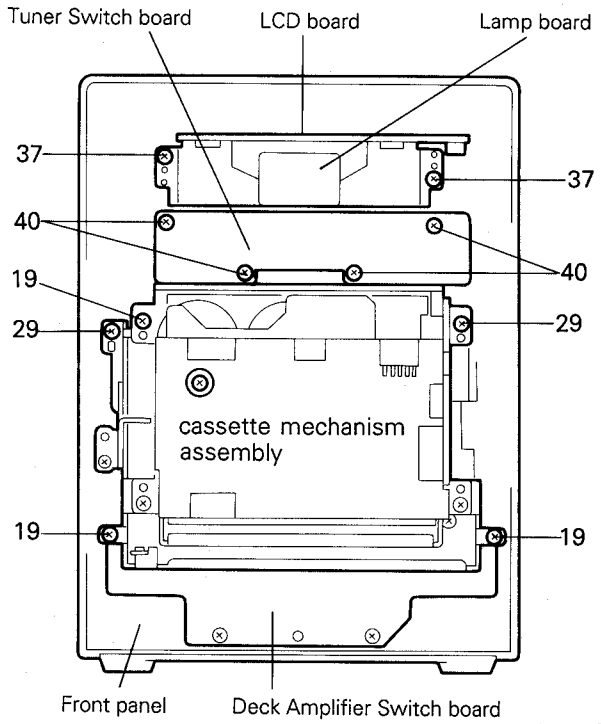


Fig. 7-3

■ **Deck Amplifier Switch board** (Fig. 7-4)
Remove seven screws (40) retaining the Deck Amplifier Switch board to the front panel.

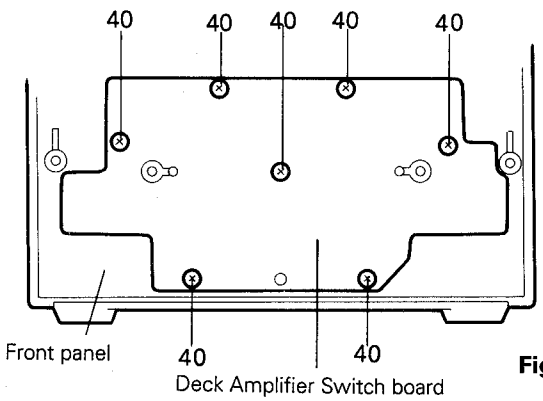


Fig. 7-4

■ **Deck Control board and Relay board** (Fig.7- 5)
1. Remove two screws (33) retaining the Deck Control board.
2. Disconnect the parallel wire connected with CN302 of the Equalizer Amplifier board from the connector CN854 of the Deck Control board.
3. Disconnect the connectors CN852 and CN853 connecting the Cassette Mechanism board and the Deck Control board and the connector CN851 connected with the connector CN363 of the Relay board.
4. Disconnect the connector CN361 of the Relay board from the connector CN343 of the Dolby board.

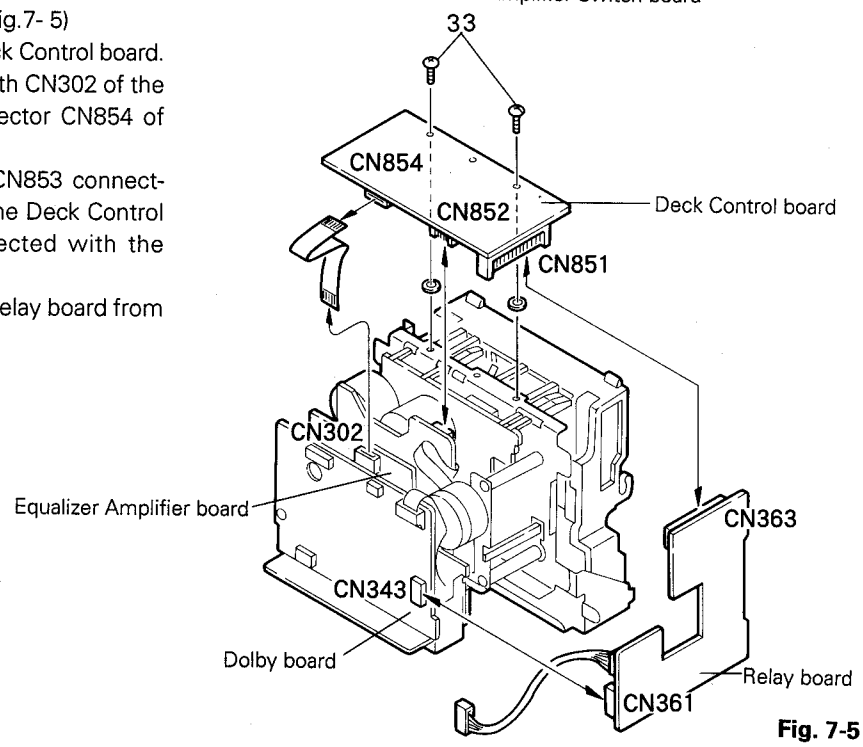


Fig. 7-5

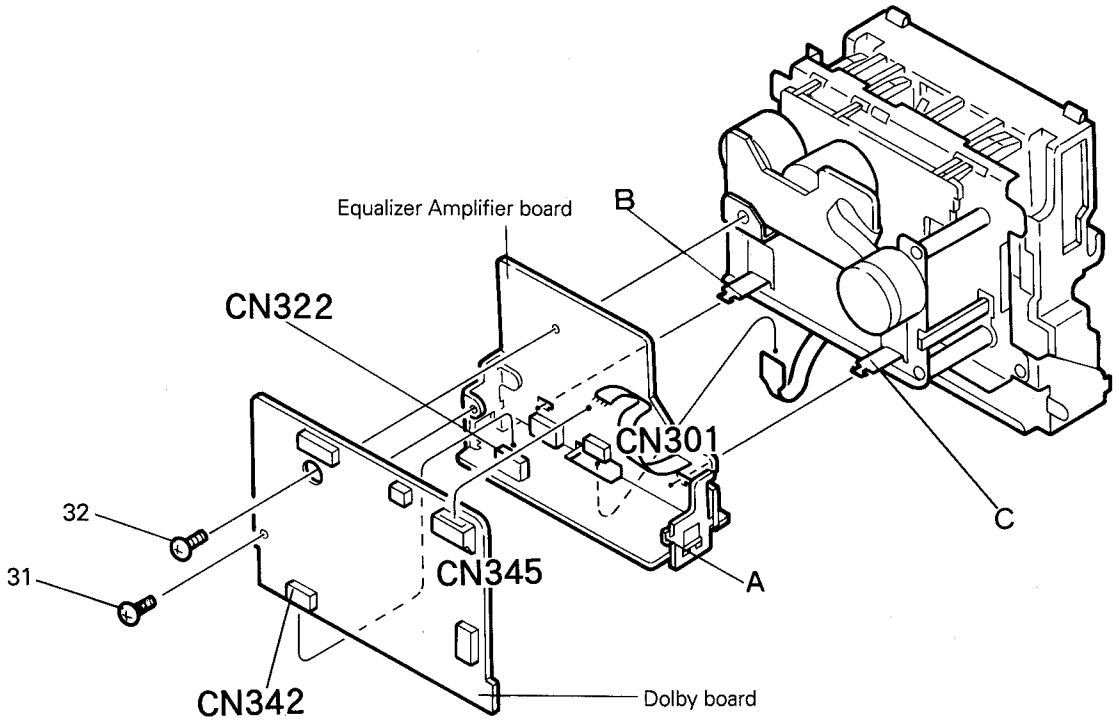


Fig. 7-6

■ **Dolby board** (Fig. 7-6)

1. Disconnect the flat wires connected with FW30 of the Equalizer Amplifier board from the connector CN345 of the Dolby board.
2. Remove a screw (31) retaining the Dolby board to the cassette mechanism assembly.
3. Disconnect connection between the connectors CN332 of the Equalizer Amplifier board and the connector CN342 of the Dolby board, and disengage the pawl (A) of the board bracket.

■ **Equalizer Amplifier board** (Fig. 7-6, 7-7)

1. Remove a screw (32) retaining the Equalizer Amplifier board to the cassette mechanism
2. Disengage two pawls (B, C) to release the Equalizer Amplifier board from them.
3. Draw out the Equalizer Amplifier board while disconnecting the the flexible head wire connected with the cassette mechanism asssembly from the connector CN301 of the Equalizer Amplifier board.
4. Remove two screws (30) retaining the Equalizer Amplifier board to the board bracket.
5. Disengage two catches (D, E) to release the Equalizer Amplifier board from them.
6. Remove a screw (34) retaining the Bias Osc. board.
7. Remove the Equalizer Amplifier board together with the Bias Osc. board from the board bracket.

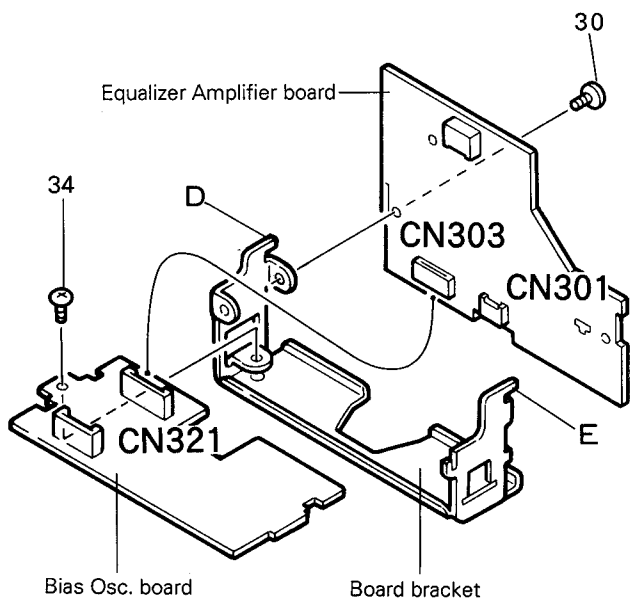


Fig. 7-7

■ Exploded View of Enclosure Parts (3) : Block No. M 3

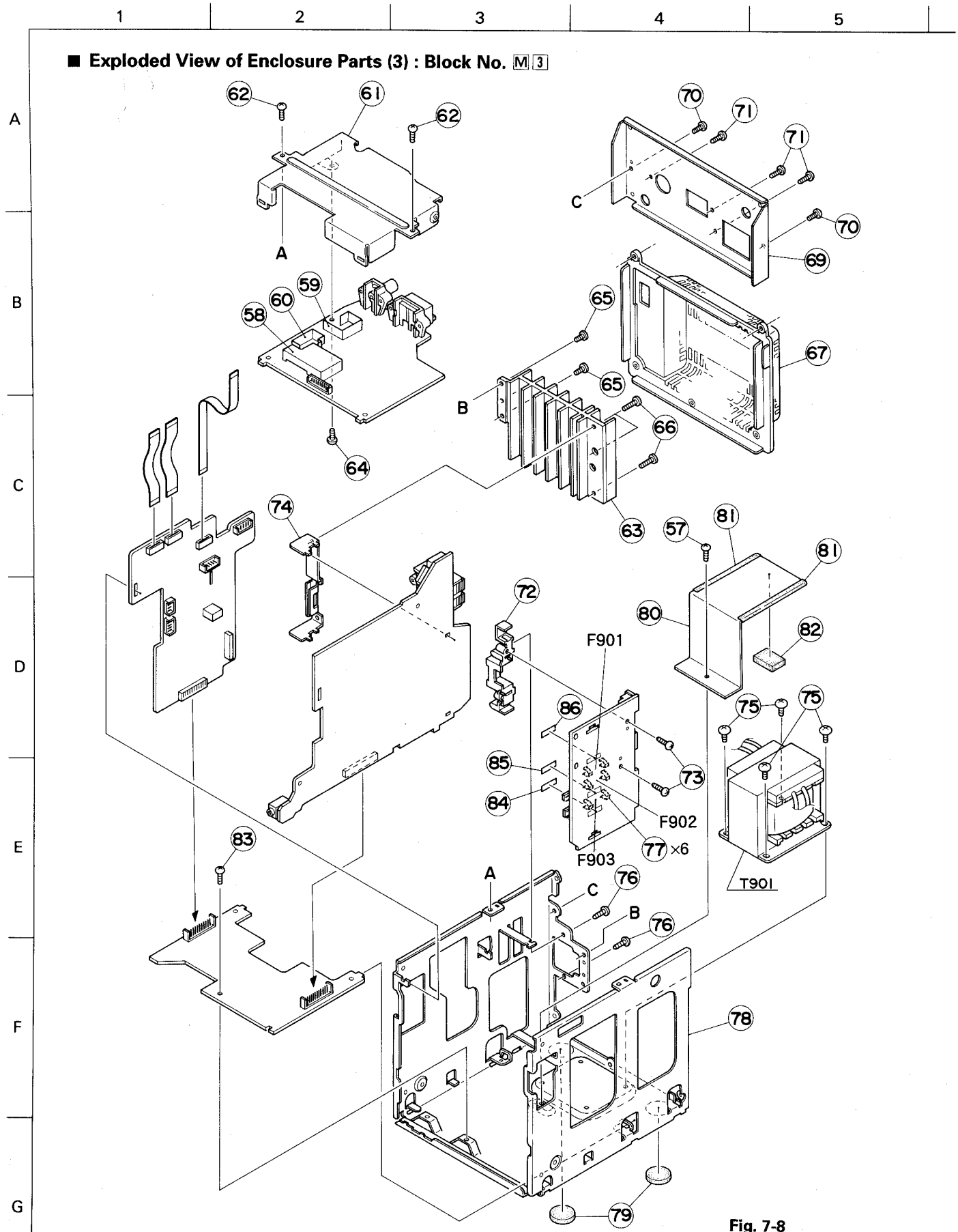


Fig. 7-8

■ Terminal plate and Rear cover (Fig. 7-9)

1. Remove two screws (70) retaining the terminal plate to the main unit.
2. Remove three screws (71) retaining the FM and AM antenna terminals and speaker terminal to the terminal plate.
3. Remove the terminal plate and the rear cover.

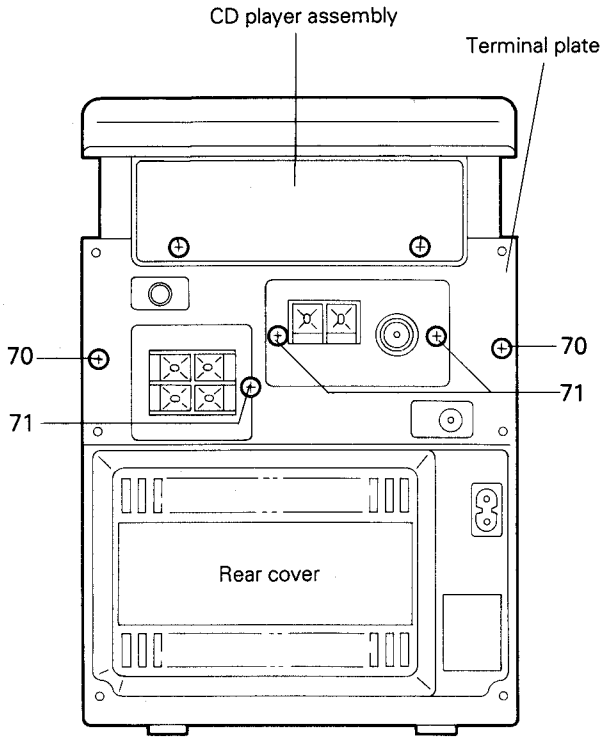


Fig. 7-9

■ Enclosure parts (3) list

BLOCK NO. M3MM

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	QTY	SUFFIX	CLR
	57	SBST3006Z	TAPPING SCREW	REF.80	1		
	58	VMA4561-002	SHIELD CASE		1		
	59	VMA4521-002	SHIELD(A)		1		
	60	VMA4522-003	SHIELD(B)		1		
	61	VYH3778-001	TUNER CHASSIS		1		
	62	SBST3006Z	SCREW	CHASS.+TU.CHASS	2		
	63	VYH7802-002	RADIATION		1		
	64	SBST3006Z	SCREW	TU.CHASS.+TU.PW	1		
	65	SBST3008Z	SCREW	CHASSIS+RADI.	2		
	66	SBST3012Z	SCREW	IC HOL+RADIATIO	2		
		SBST3012Z	SCREW		1		
	67	VJC2493-001	RADI.COVER		1		
	69	VJC2495-001	REAR FANEL		1		
	70	SBST3008M	TH.TAP.SCREW	BLACK	2		
		SBSG3008N	TAPPING SCREW	WHITE	2		
	71	SBSF3008Z	SCREW	CHASSIS+JACK HO	3		
	72	VYH3779-002	JACK HOLDER	FOR AC/DC	1		
	73	SBSF3008Z	SCREW	FUSEPWB+JACK HO	2		
	74	VYH7801-002	IC HOLDER		1		
	75	SBST4006Z	SCREW	CHASSIS+TRANS	4		
	76	SBSF3008Z	TAPPING SCREW	AC SOCKET	2		
	77	VMZ0125-001Z	FUSE CLIP		6		
	78	VYH1236-001	CHASSIS		1		
	79	VJF4003-003	FOOT	FOR CHASSIS	2		
	80	VMA4594-001	SHIELD PLATE		1		
	81	VYSA1R4-057	SPACER		2		
	82	VYSH105-033	SPACER		1		
	83	SBST3006Z	SCREW	CHASS.+TER.PWB	1		
	84	VND4003-077	FUSE LABEL	FOR F901	1		
	85	VND4003-076	FUSE LABEL	FOR F902	1		
	86	VND4003-076	FUSE LABEL	FOR F903	1		
⚠	F 901	QMF51E2-R50SBS	FUSE		1		
⚠	F 902	QMF51E2-5R0	FUSE		1		
⚠	F 903	QMF51E2-5R0	FUSE		1		
⚠	T 901	VTP66T2-12CBS	POWER TRANS		1	B	
⚠		VTP66J2-12C	POWER TRANS		1	E,G,GI	

■ **Tuner board** (Fig. 7-10)

1. Remove two screws (62) retaining the tuner chassis to the main unit.
2. Disconnect the 10-pin connector connected with the Power Amplifier board from the connector CN1 of the Tuner board.
3. Remove a screw (64) retaining the Tuner board and the tuner chassis from the back of the Tuner board.

■ **Heat sink** (Fig. 7-10)

1. Remove five screws (65, 66 two pcs. each) retaining the radiation.

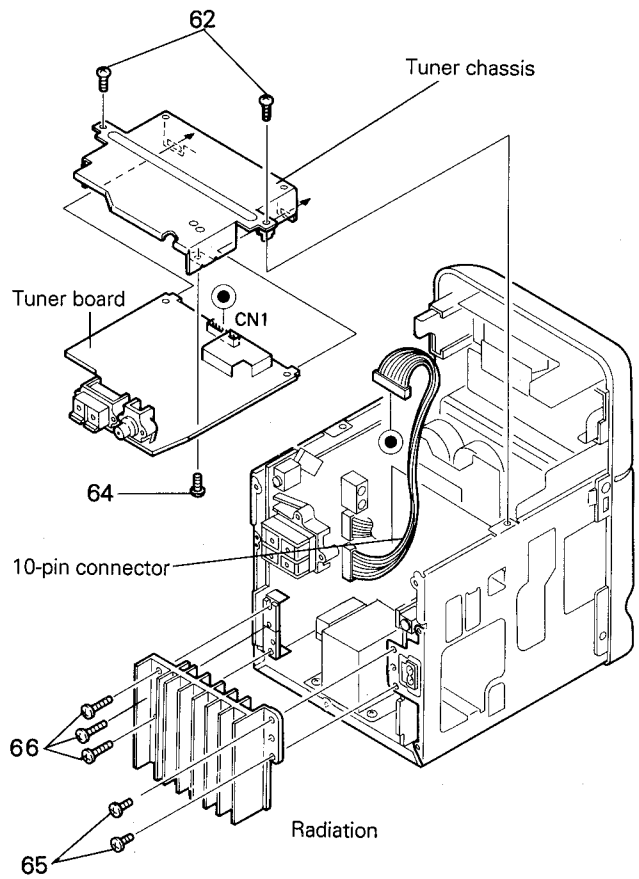


Fig. 7-10

■ **Power Amplifier board** (Fig. 7-11)

1. After removing the front panel assembly, rear cover, terminal plate and radiation, etc., remove the Power Amplifier board.
2. Disconnect the 2-pin connector connected with W903 of the Power Amplifier board from the connector CN903 of the Power Supply board.
3. Disengage two catches (H, I) to release the Power Amplifier board from the chassis base.
4. Disconnect the connector CNA34 of the Relay board and the connector CNA33 of the Power Amplifier board from each other, and remove the Power Amplifier board.

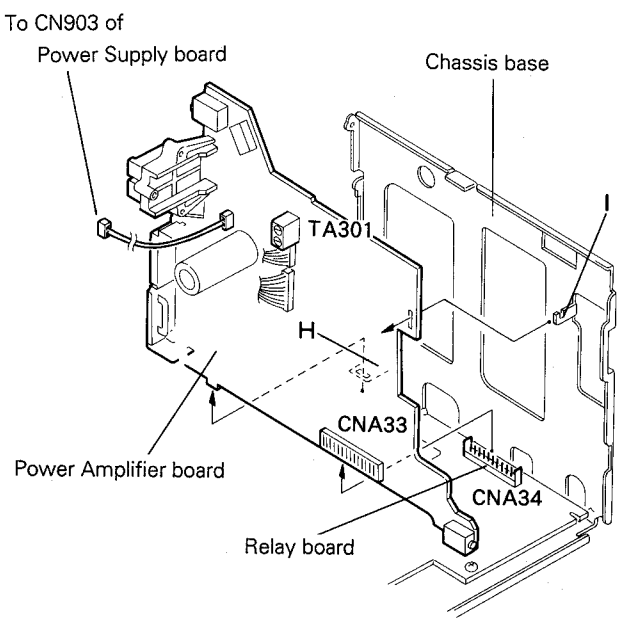


Fig. 7-11

■ **Micro Computer board** (Fig. 7-12)

1. Disconnect the card wires connected with the front panel assembly and the CD player assembly respectively from them.
2. Release the Micro Conmputer board from the two catches (J, K).
3. Disconnect the connector CNA35 of the Relay board and the connector CNA703 of the Micro Computer board from each other, and take out the Micro Computer board.

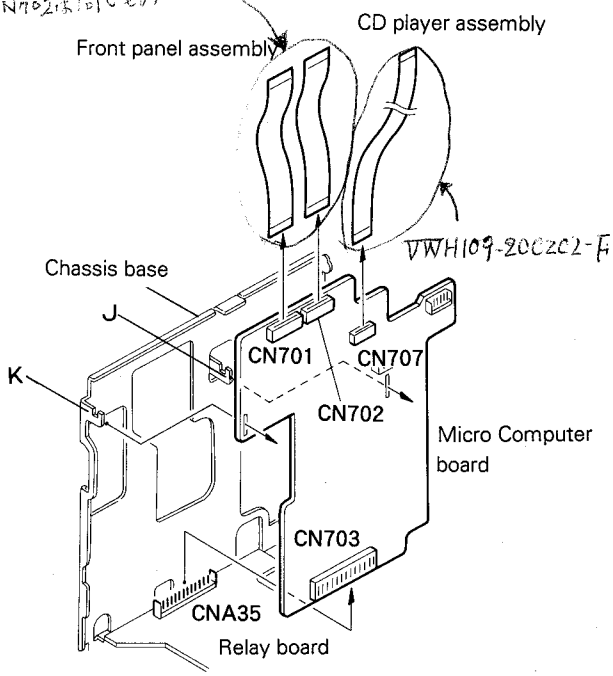


Fig. 7-12

■ **Relay board** (Fig. 7-13)

1. Remove a screw (83) retaining the Relay board.
2. Disengage the two catches (L, M) retaining the Relay board to the chassis base.

■ **Power transformer** (Fig. 7-13)

1. Remove a screw (57) retaining the shield (80) of the power transformer (see Fig. 7-8, too).
2. Remove four screws (75) retaining the power transformer to the chassis base.
3. Disconnect the red colored 2-pin connector connected with the power transformer from the connector CN902 of the Power Supply board.
4. Disconnect the white and yellow colored 2-pin connectors connected with the power transformer from the connector CN901 of the Power Supply board.

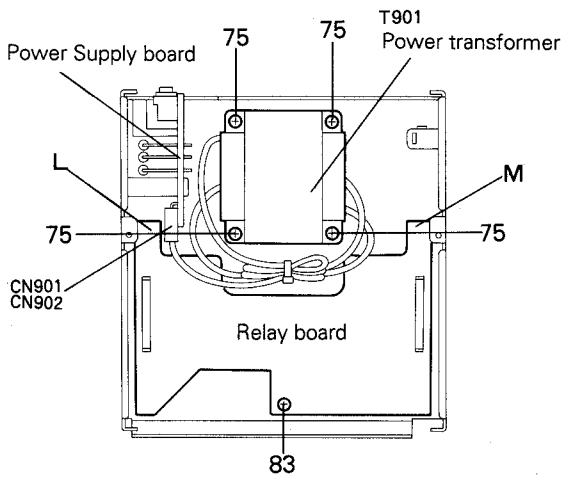


Fig. 7-13

■ **Power Supply board** (Fig. 7-14)

1. Remove two screws (73) retaining the Power Supply board to the chassis base.
2. Disengage the two catches (N, O) retaining the Power Supply board to the chassis base.

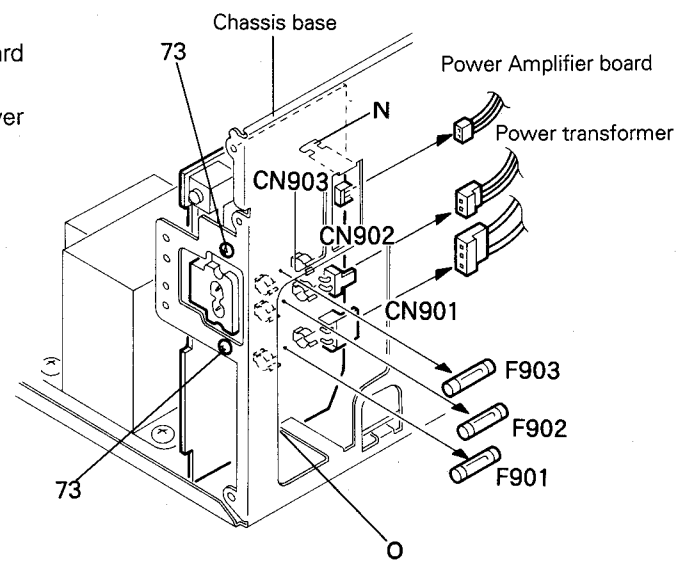


Fig. 7-14

■ Exploded View of Enclosure Parts (4)
: Block No. M 4

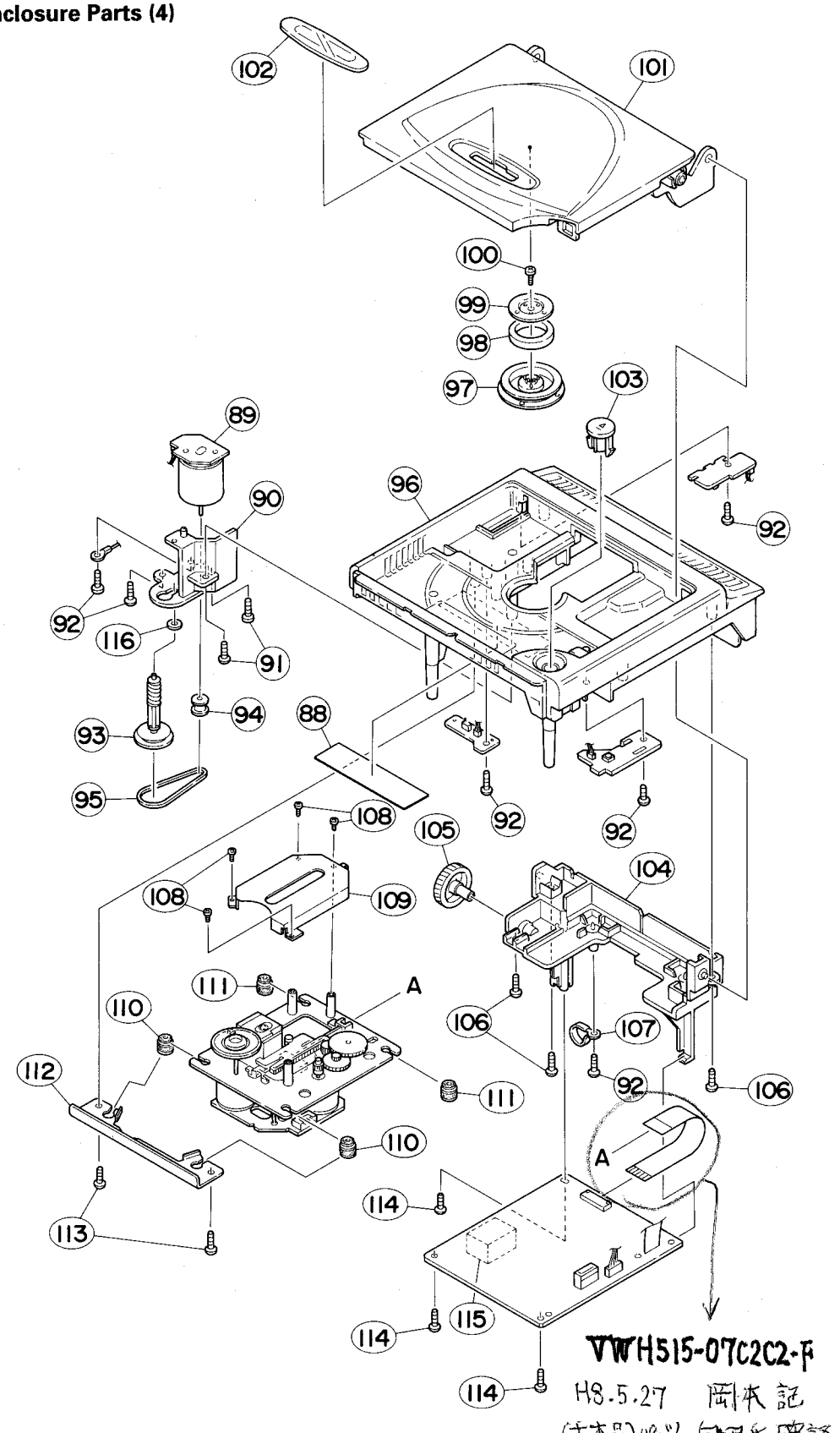


Fig. 7-15

● Removal of CD Player Assembly

■ **CD player assembly** (Fig. 7-1, 7-15, 7-16)

1. Remove two screws (4) retaining the CD player assembly to the rear of the main unit.
2. Disconnect the parallel wire connected with FW601 of the CD Amplifier board from the connector CNA32 of the Power Amplifier board.
3. Disconnect the card wire connected with the connector CN601 of the CD Amplifier board from the connector CN707 of the Micro Computer board.
4. Disconnect the parallel wire connected with CN502 of the CD Amplifier board from the connector CN704 of the Micro Computer board.
5. Take out the CD player assembly from the main unit.

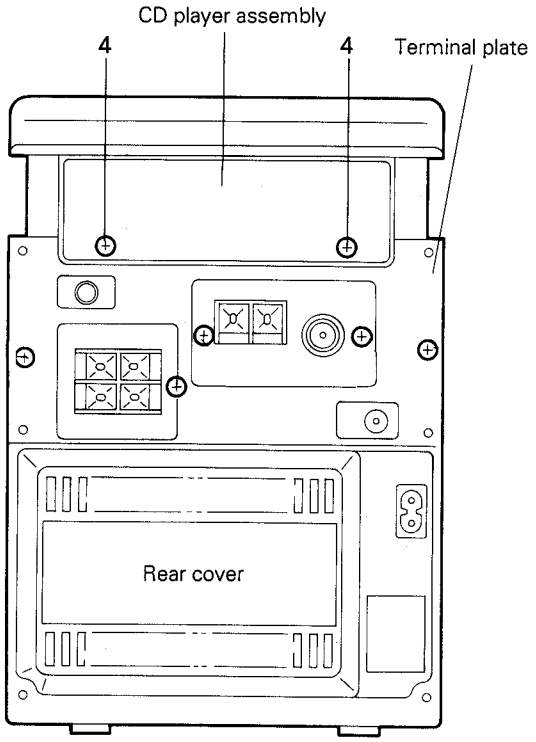


Fig. 7-16

■ **Enclosrue parts (4) list**

BLOCK NO. M4MM

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	QTY	SUFFIX	CLR
	88	VND4220-001	LASER CAUTION	CD CASE BACK	1		
	89	MXN-13FB12F	DC MOTOR ASS'Y		1		
	90	VYH3695-002	GEAR HOLDER		1		
	91	SPSP3005Z	SCREW	FOR DC MOTOR	1		
		SPSP3005Z	SCREW		1		
	92	SBSF3010Z	SCREW	FOR WIRE CLAMP	1		
		SBSF3010Z	SCREW	GEAR HOL.+CD CA	2		
		SBSF3010Z	SCREW	FOR CLOSE SW PC	1		
		SBSF3010Z	SCREW	FOR OPEN SW PCB	1		
		SBSF3010Z	SCREW	FOR EJECT SW PC	1		
	93	VYH7526-001	WORM		1		
	94	VYH7699-001	PULLEY	MOTOR SHAFT	1		
	95	VKB3000-148	BELT		1		
	96	VJD1176-001	CD CASE	BLACK	1		
		VJD1176-011	CD CASE	WHITE	1		
	97	VYH3726-001	CLAMPER		1		
	98	VYH7313-003	MAGNET		1		
	99	VYH7677-001	YOKE		1		
	100	SBSF2606Z	SCREW	CLAMPER+YOKE	1		
	101	VJT2327-003	CD DOOR	BLACK	1		
		VJT2327-013	CD DOOR	WHITE	1		
	102	VJT4207-001	CD LENS	BLACK	1		
		VJT4207-011	CD LENS	WHITE	1		
	103	VXP5207-001	CD EJECT KNOB	BLACK	1		
		VXP5207-011	CD EJECT KNOB	WHITE	1		
	104	VYH3782-001	HOLDER(R)		1		
	105	VYH7525-001	WORM WHEEL		1		
	106	SBSF3010Z	SCREW	CD CASE+HOLDER(	3		
	107	VKZ4001-110	WIRE CLAMP		1		
	108	SDSF2006M	SCREW	CD MECHA+P.COVE	4		
	109	VJD5410-005	PICK COVER		1		
	110	E75609-002	INSULATOR		2		
	111	E75609-001	INSULATOR		2		
	112	VYH7808-001	HOLDER(F)		1		
	113	SBSF3010Z	SCREW	CD CASE+HOLDER(	2		
	114	SBSF3010Z	SCREW	CD CASE+CD PWB	3		
	115	VYSH112-012	SPACER	CD AMP BOARD	1		
	116	VYSS201-015	FELT SPACER	REF.90	1		

■ **CD Amplifier board** (Fig. 7-17)

1. Remove three screws (114) retaining the CD Amplifier board to the CD case.
2. Disconnect the card wire connected with the connector P001 of the CD Pickup board from the connector CN501 of the CD Amplfier board.
3. Disconnect the connector CN502 of the CD Amplifier board from the connector P011 of the CD Mechanism board.

■ **CD Door, Door Close and Door Motor Switch boards** (Fig. 7-17)

Remove three screws (92) retaining the respective boards.

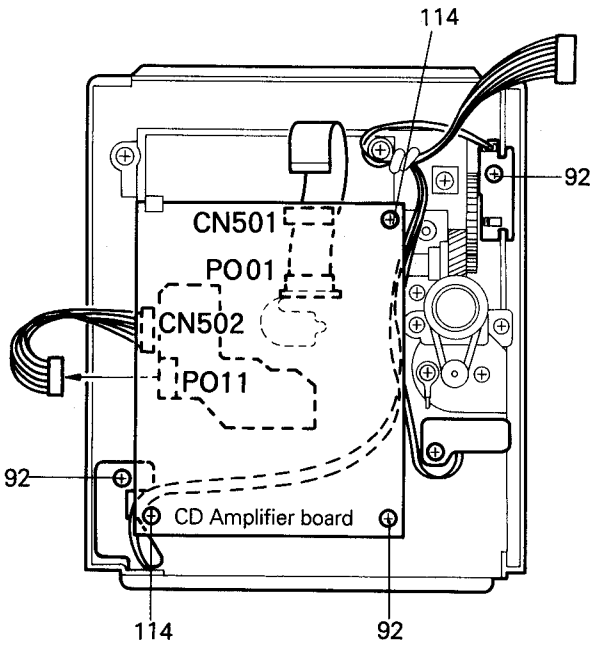


Fig. 7-17

■ **CD door loading assembly** (Fig. 7-18)

Remove two screws (92) retaining the CD door loading assembly.

■ **CD mechanism assembly** (Fig. 7-18)

1. Remove three screws (106) retaining the right holder (R).
2. Remove two screws (113) retaining the front holder (F).
3. Take the CD mechanism assembly out of the CD case.

■ **CD door assembly** (Fig. 7-19, 7-20)

1. Disengage the catches (F, G) retaining the CD door assembly and the CD case in order to release them from each other for removal.

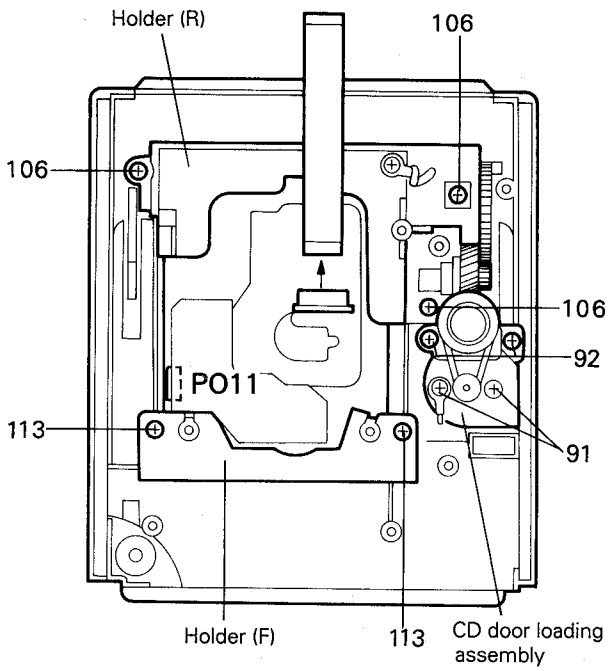


Fig. 7-18

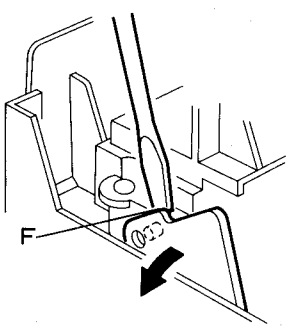


Fig. 7-19

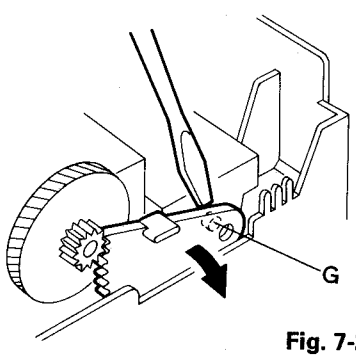


Fig. 7-20

■ Exploded View of Cassette Mechanism : Block No. M 5

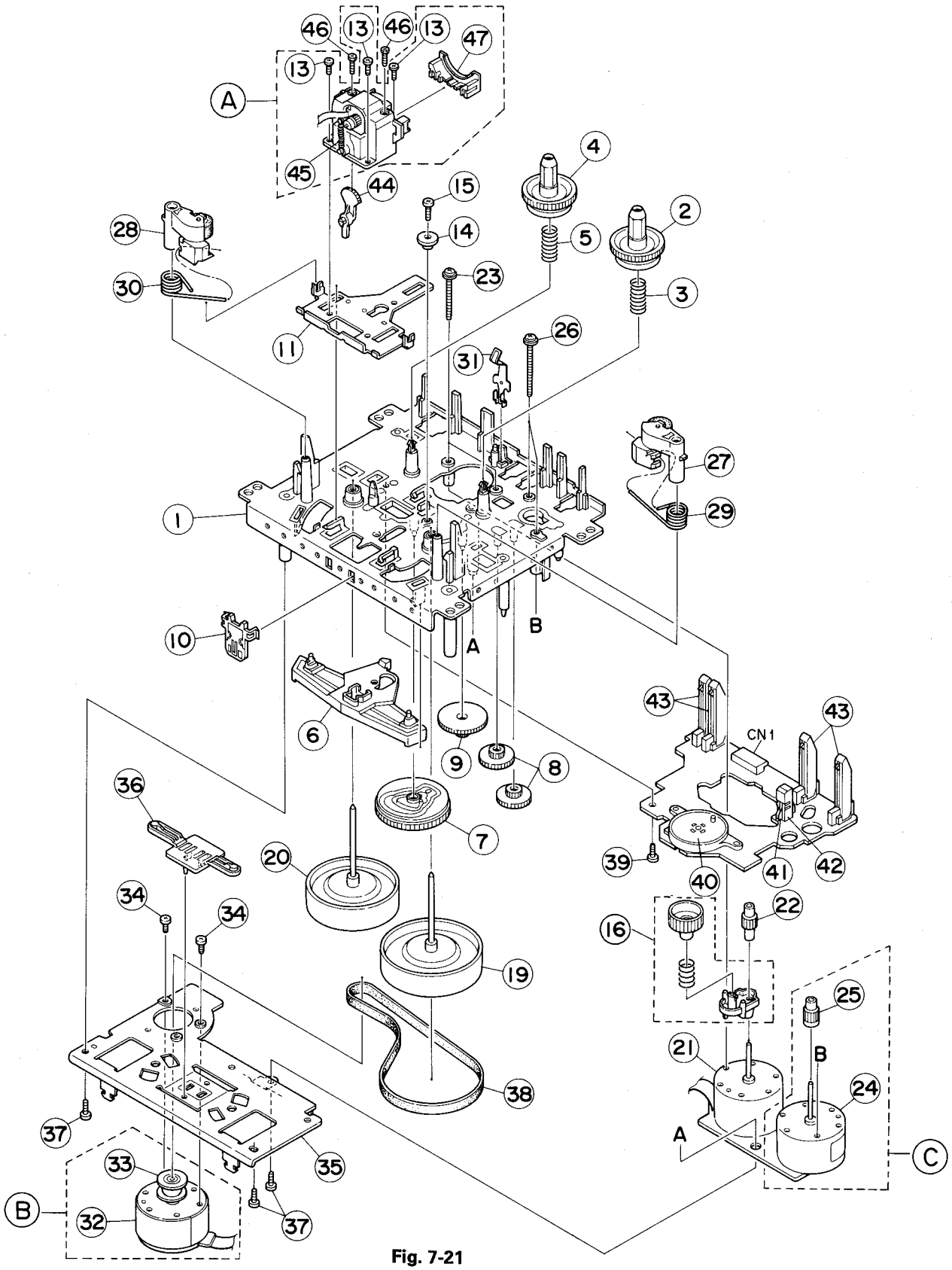


Fig. 7-21

■ Exploded View of Cassette Mechanism Parts List

BLOCK NO. MSMM

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	QTY	SUFFIX	CLR
	A	VKS3629-00B	HEAD MOUNT ASSY	REF.13,45,47	1		
	B	MSI5B2LW-SA1	DC MOTOR	REF.32,33	1		
	C	MSN5D257A-SA1	ACT.MOTOR ASS'Y	REF.24,25	1		
	1	VKS1126-00B	CHASSIS B ASS'Y		1		
	2	VKS5428-00B	T-UP REEL ASSY		1		
	3	VKW5043-001	B.T. SPRING		1		
	4	VKS3617-002	REEL		1		
	5	VKW5043-001	B.T. SPRING		1		
	6	VKS3627-001	PINCH LEVER		1		
	7	VKS2224-001	CONTROL CAM		1		
	8	VKS5454-001	ACT GEAR(2)		2		
	9	VKS5455-001	ACT GEAR(3)		1		
	10	VKS3655-002	F.P.C. HOLDER		1		
	11	VKM3632-001	HEAD BASE		1		
	13	SDST2004Z	SCREW		3		
	14	VKH5713-001	FLANGE COLLAR		1		
	15	SDSF2606Z	SCREW		1		
	16	VKS5430-00B	FR ARM ASY		1		
	19	VKF3184-00H	FLYWHEEL(R)ASY		1		
	20	VKF3186-00H	FLYWHEEL(L)ASY		1		
	21	MMN-6F4RA38	D.C.MOTOR	FOR REEL	1		
	22	VKS5432-001	REEL MOT. GEAR		1		
	23	VKZ4705-001	SPECIAL SCREW		2		
	24	MSN-5D257A	D.C.MOTOR	FOR ACT	1		
	25	VKS5433-001	ACT.MOTOR GEAR		1		
	26	VKZ4705-002	SPECIAL SCREW		2		
	27	VKP4227-00B	PINCH R.(R) ASY		1		
	28	VKP4229-00B	PINCH R.(L) ASY		1		
	29	VKW5045-003	P.R. SP.(R)	FOR PINCH (R)	1		
	30	VKW5046-003	P.R. SP.(L)	FOR PINCH (L)	1		
	31	VKY4670-001	CASSETTE SPRING		1		
	32	MSI-5B2LW	D.C.MOTOR	FOR CAPSTAN	1		
	33	VKR4364-002	MOTOR PULLEY		1		
	34	SPSP2603Z	SCREW		2		
	35	VKM3636-002	FM. BRACKET		1		
	36	VKS5327-004	THRUST PLATE		1		
	37	SDSF2608Z	SCREW		3		
	38	VKB3001-051	BELT		1		
	39	SDST2612Z	SCREW		1		
	40	VKS3616-00A	CAM SW UNIT		1		
	41	DN6851-HI	HALL IC		1		
	42	VKS3630-001	IC HOLDER		1		
	43	VSH1170-001	CASSETTE SWITCH		4		
	44	VKS3614-001	TURN OVER GEAR		1		
	45	VKW5063-003	HEAD SPRING		1		
	46	VKZ4629-003	SPECIAL SCREW		2		
	47	VKS3654-001	HEAD MT. COVER		1		

■ **Head mount assembly (A)** (Fig. 7-21, 7-22)
Remove three screws (13) retaining the head mount assembly (A) from the chassis base assembly.
Note: After replacing the head mount assembly, make sure to adjust the azimuth screw (46).

■ **Pinch roller assembly** (Fig. 7-23)
1. Expand the pawl (A) retaining the pinch roller assembly (27) on the right side in the direction of the arrow while pulling out the pinch roller assembly upwards.
2. In the same manner as above, expand the pawl retaining the pinch roller assembly (28) on the left side to remove the left pinch roller assembly. (Fig. 7-21, too)

■ **Capstan motor and Flywheel** (Fig. 7-25 through 7-27)
1. Place the cassette mechanism upside down to expose the bottom. (Fig. 7-25)
2. Remove three screws (37) retaining the FR bracket assembly from the chassis base. (Fig. 7-25)
3. Expand two pawls (B, C) retaining the FR bracket assembly in the direction of the arrow to remove theem. (Fig. 7-25)
4. Remove the FR bracket assembly.
5. Remove two screws (34) retaining the capstan motor (32) from the FR bracket assembly. (Fig. 7-24)
6. Disengage the belt (38) and pull out the flywheels (19, 20). (Fig. 7-26, 7-27)
Note: When disengaging the belt, carefully do it not to stain it with oil, etc.
For reengaging the belt, refer to Fig. 7-27.

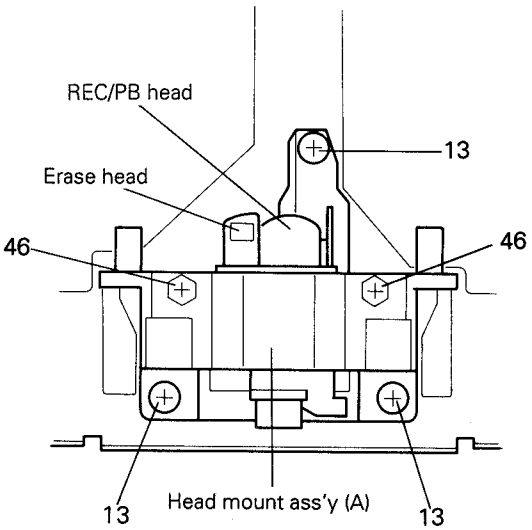


Fig. 7-22

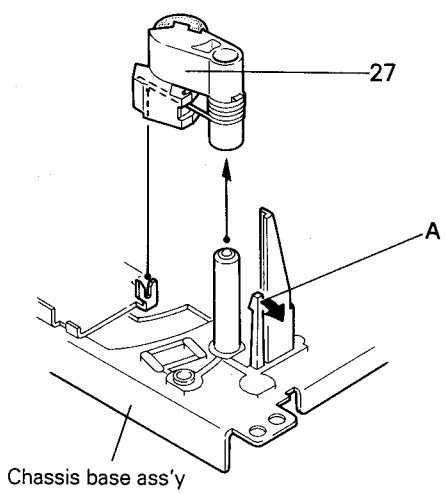


Fig. 7-23

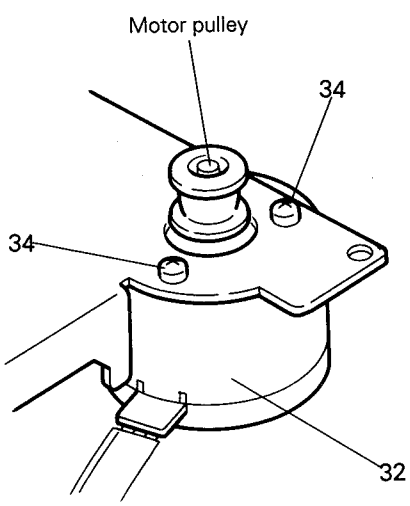


Fig. 7-25

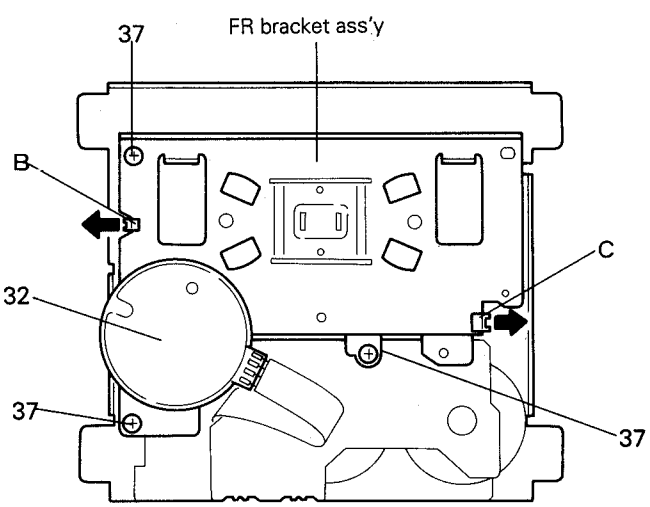


Fig. 7-24

■ **Reel and Actuator motor assembly** (Fig. 7-28, 7-29)

1. Remove four screws (23, 26) retaining the reel motor (21) and the actuator motor assembly (24). (Fig. 7-28)
2. When removing the reel motor, unsolder the two points (D) on the back side. (Fig. 7-29)
3. When removing the actuator motor, unsolder the two points (E) in the same manner. (Fig. 7-29)

■ **Leaf switch board** (Fig. 7-30)

1. Remove a screw (39) retaining the leaf switch board from the chassis basis.
2. Expand five pawls (F to J) retaining the leaf switch board in the direction of the arrow while removing the leaf switch board.

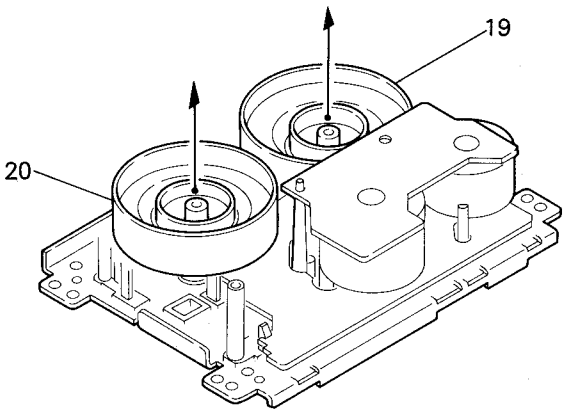


Fig. 7-26

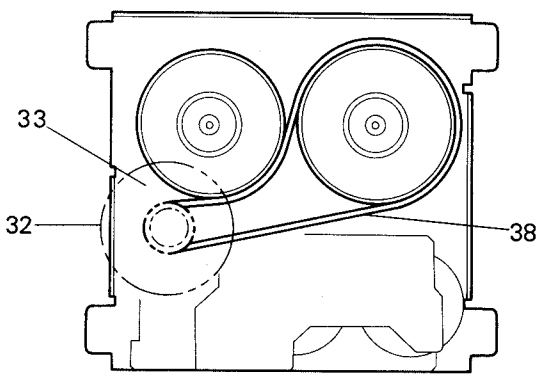


Fig. 7-27

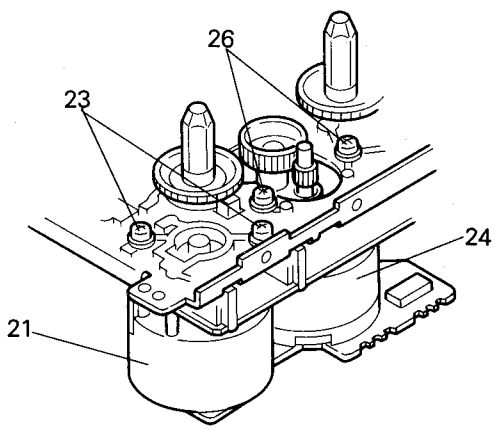


Fig. 7-28

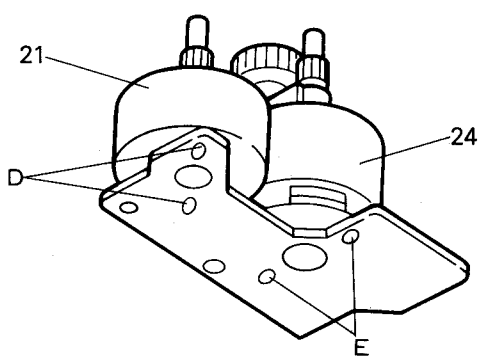


Fig. 7-29

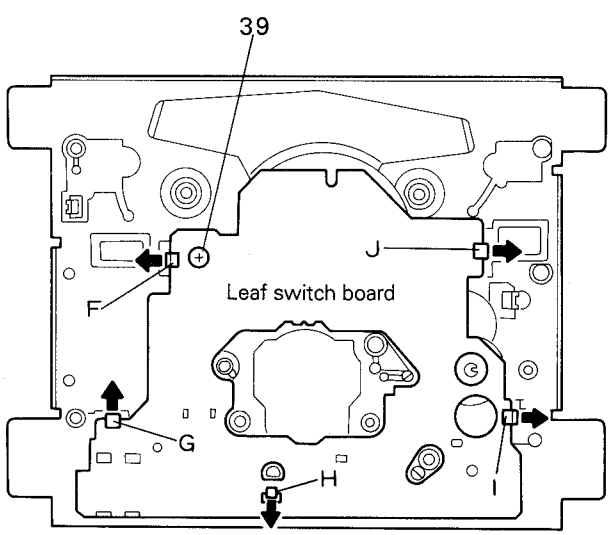


Fig. 7-30

■ Speaker Box : Block No. M6

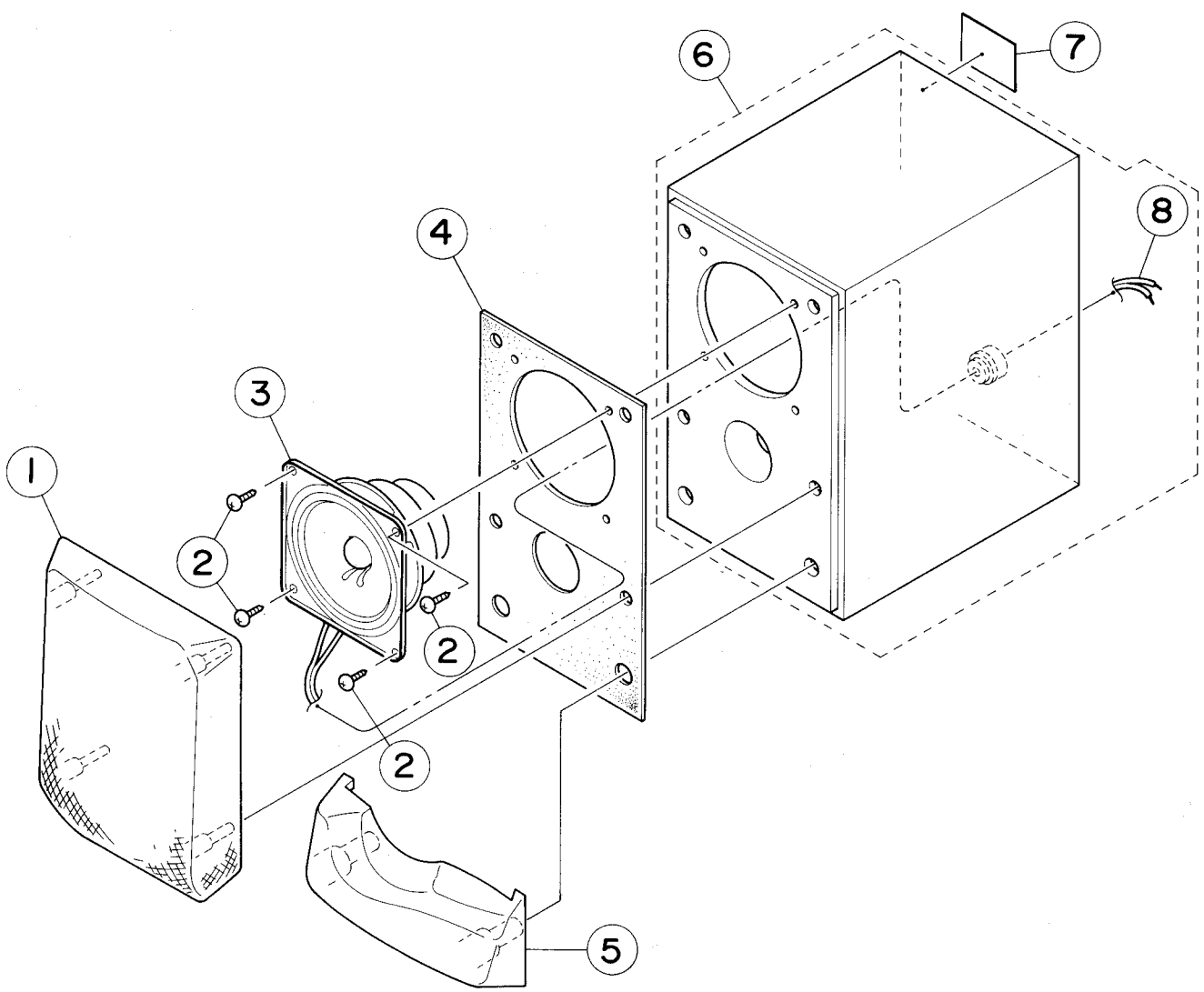


Fig. 7-31

■ Speaker Box Parts List

BLOCK NO. M6MM□□□

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	QTY	SUFFIX	CLR
	1	DH903-LUX-T1	SPEAKER NET	BLACK:R	1		
		DH903-LUX-T1-W	SPEAKER NET	WHITE:L	1		
		DH903-RUX-T1	SPEAKER NET	BLACK:R	1		
		DH903-RUX-T1-W	SPEAKER NET	WHITE:R	1		
	2	SDSA4014M	SCREW		4		
	3	VGS1001-018	CONE SPEAKER		1		
	4	DH429-UX-T1	RUBBER PACKING		1		
	5	DH401-LUX-T1	LOWER PANEL	BLACK:L	1		
		DH401-LUX-T1-W	LOWER PANEL	WHITE:L	1		
		DH401-RUX-T1	LOWER PANEL	BLACK:R	1		
		DH401-RUX-T1-W	LOWER PANEL	WHITE:R	1		
	6	DH500-UX-T1	SPEAKER BOX	INCLUDE REF.8	1		
		DH505-UX-T1-W	SPEAKER BOX	WHITE	1		
	7	DH610-UX-B1005J	NAME PLATE		1		
	8	DH180-020013	SPEAKER CORD		1		

● Removal of Speaker Assembly

1. Carefully lift the speaker net assembly (1) upwards by fingers as shown in Fig. 7-32 to separate it from the speaker box assembly (6) gradually.
   Note: If the speaker net assembly is separated at a stretch, it may damage bosses of the speaker net assembly.
2. Insert an ordinary (–) screwdriver or a thin iron plate into the gap between the speaker box assembly and the speaker net assembly that is slightly separated upwards as shown in Fig. 7-32, while carefully disengaging bosses one by one to separate them (see Fig. 7-32, too).
   Notes:
   When using a screwdriver or the like to separate them, make sure to insert it between the front baffle plate and the packing to prevent the speaker box assembly from getting damaged. (Fig. 7-33)

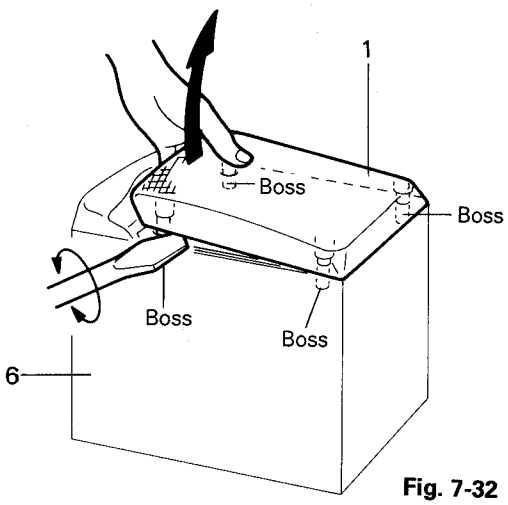


Fig. 7-32

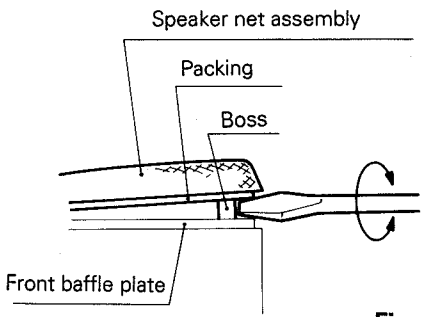


Fig. 7-33

3. Insert the ordinary screwdriver into the gap between the notch of the lower panel (5) and the speaker box assembly while turning it in the direction of the arrow to separate them (Fig. 7-34).

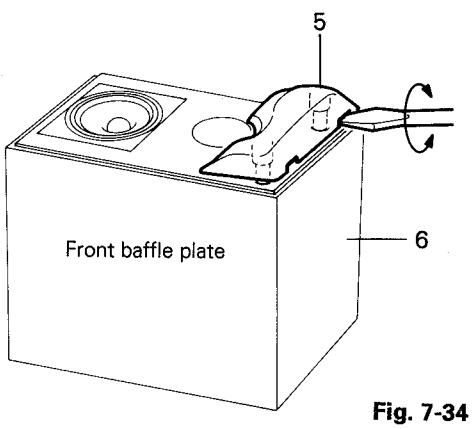


Fig. 7-34

4. Remove four screws (2) retaining the speaker unit (3) from the speaker box assembly as shown in Fig. 7-35.
5. Slide the speaker unit outwards while slowly pulling the speaker cord (8) from the speaker terminal for disconnection (Fig. 7-36).

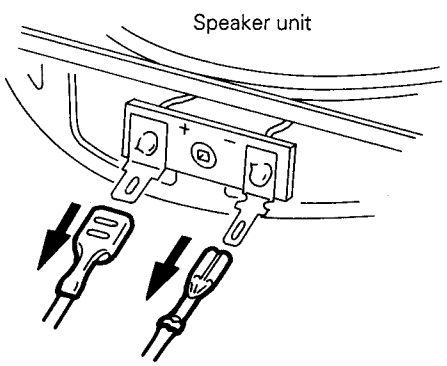


Fig. 7-36

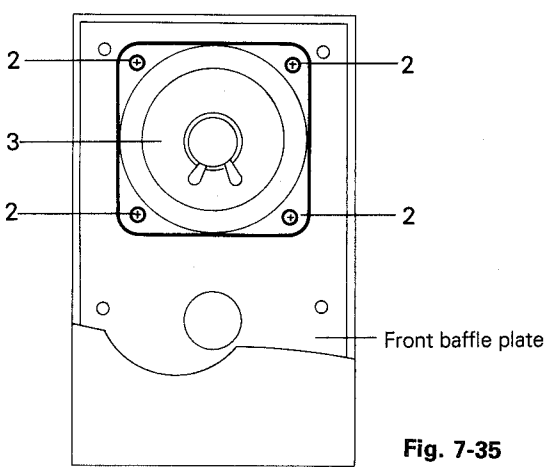


Fig. 7-35

■ CD Mechanism : Block No. M7

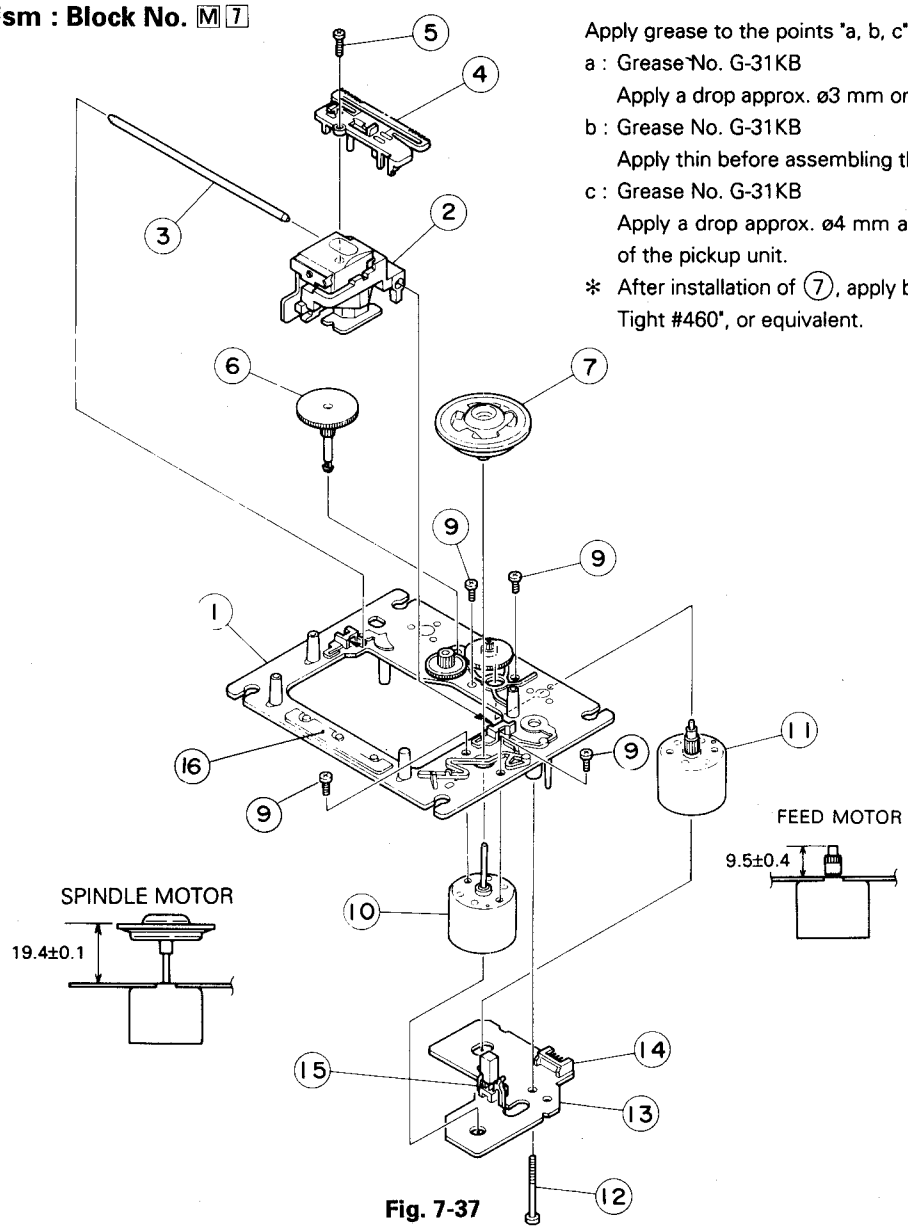


Fig. 7-37

■ CD Mechanism Parts List

BLOCK NO. M7MM□□□

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	QTY	SUFFIX	CLR
	1	EPB-002A	MECHA BASE ASSY		1		
	2	OPTIMA-6S	OPTICAL PICK-UP		1		
	3	E406777-001	GUIDE SHAFT		1		
	4	E307746-001	CD RACK		1		
	5	SDSF2006Z	SCREW		1		
	6	EPB-003A	MECHA GEAR		1		
	7	E75807-301	TURN TABLE		1		
	8	SDSP2003N	SCREW		1		
	10	E406783-001	DC MOTOR	SPINDLE	1		
	11	E406784-001SA	DC MOTOR ASSY	FEED	1		
	12	E75832-001	SPECIAL SCREW		1		
	13	EMW10190-001	PRINTED BOARD	LEAF SWICTH	1		
	14	EMV5109-006B	CONN.TERMINAL		1		
	15	ESB1100-005	LEAF SWITCH		1		
	16	E407212-001	DAMPER		1		

8 Main Adjustments

■ Test Instruments reqired for adjustment

1. Low frequency oscillator
   (oscillation frequency: 50Hz to 20kHz)
   (Output : 0 dBs with 600 Ω terminator)
2. Attenuator(Impedance : 600 Ω)
3. Test Tapes
   VTT712 ····· For tape speed,wow and flutter measurement
   VTT724 ····· For play back output level
   VTT736 ····· For playback frequency response check
   VTT703L ····· For head azimuth measurement
4. Electronic voltmeter, Distortion meter
5. Resistor...600 Ω for attenuator matching
6. Torque gauge····· Cassette type for CTG – N mechanism adjustment
7. Wow and Flutter meter , Frequency counter
8. Extension cord for check ····· EXTUXT1 – KIT
9. Blank tape····· Normal:UR,Chrome: AC513

■ Measuring conditions (Amplifier section)

Supply voltage ····· AC230V (50/60 Hz)
AC240V(50/60Hz)
(UX – T1B)

Reference output : Speaker ·····9dBs (2.15V) / 8 Ω
: Headphone · – 10 dBs (0.245V)/ 32 Ω

● Standard position of functionswitches

Function switch ····· TAPE
Active hyper bassswitch·····OFF

● Standard position of volume control

BASS, TREBLE ·····Flat position‹Bass:0, Treble:0›
Microphone mixing ·····To minimum
Main volume adjust ····· – 10 dBs (headphone out)
Standard test frequency·····1 kHz
; unless otherwise specified.
Reference input level·····TP(CN344) : – 18dBs
Input for REC/PB, Check &measuring ·····CN344
: – 18dBs
Output for measuring unless otherwise specified
: At headphone jack JA301(Dummy load 32 Ω

■ Measuring condition (Radio section)

Power source to tuner·····Tuner+B : DC 5.7V
Reference output ·····Speaker : 50mW(0.63 V) / 8 Ω
Headphon : (0.06V)/ 32 Ω
AM frequency ·····400Hz modulation 30%
FM frequency ·····400Hz modulation
frequency deviation 22.5kHz

● Standard position of switches and controllers

Function·····RADIO
Mode ····· STEREO

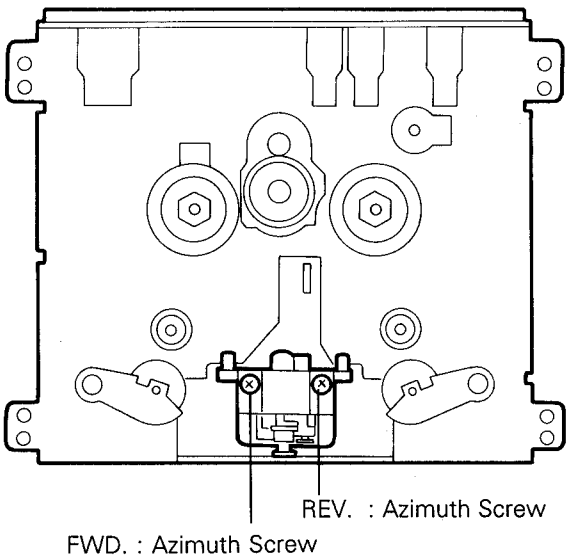
● Careful points for adjustment

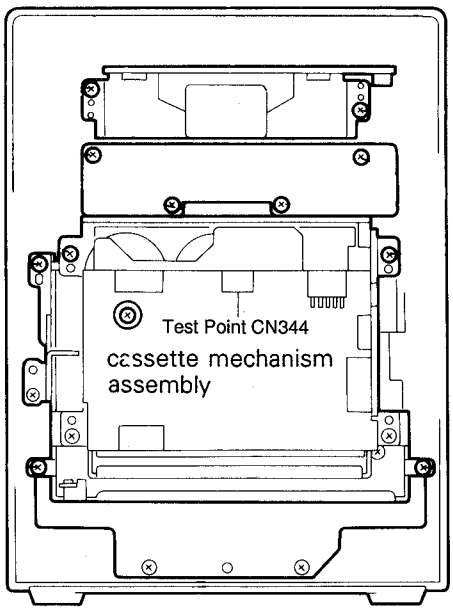
1. Connect 30 pF capacitor and 33 k Ω resistor to the output side of the IF sweeper in series while 0.082 μF capacitor and 100k Ω resistor to the input side in series.
2. Set output level of the IF sweeper as minimum as adjustable.
3. RF Alignment order
   Procedure of the steps of tracking should be kept.

	CLR

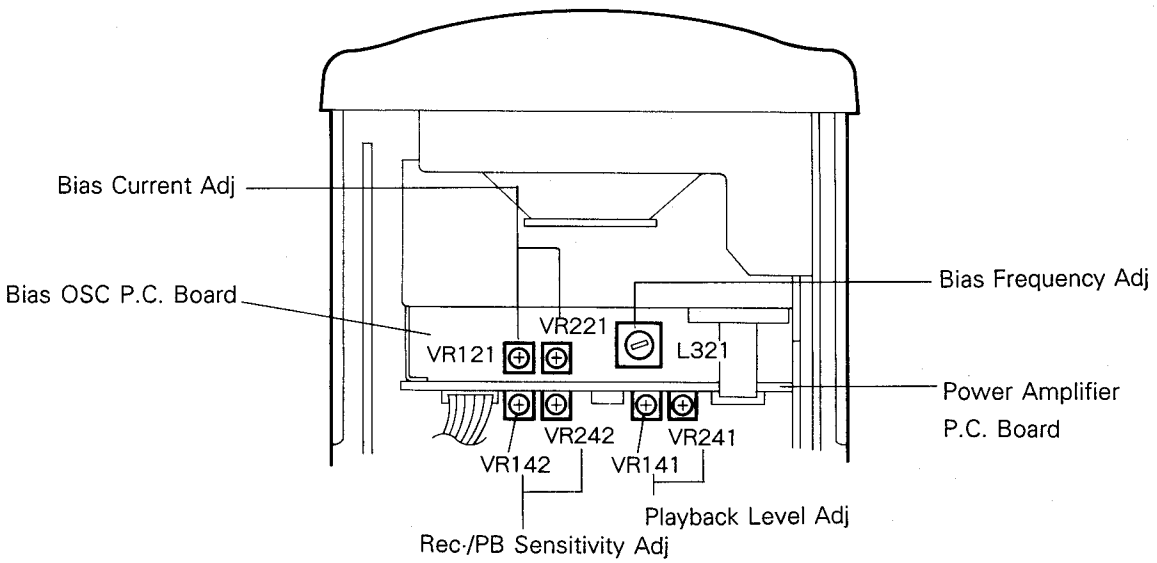
■ Arrangement of Adjusting Position

● Cassette mechanism Part

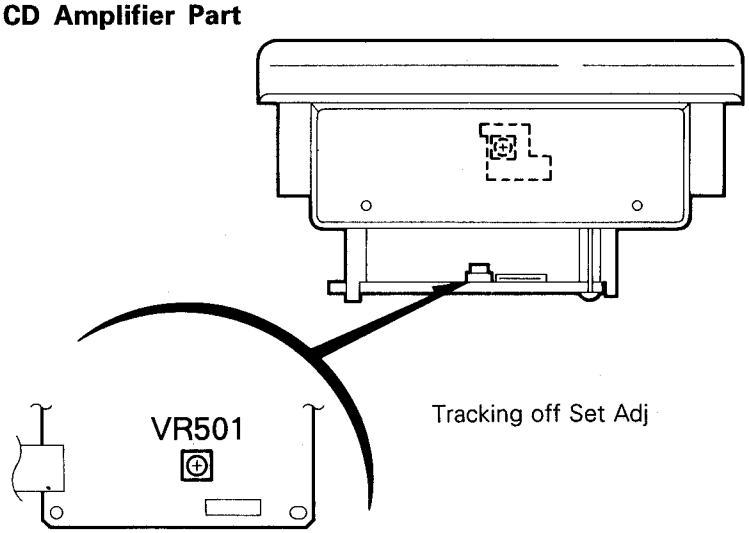




● Amplifier Part



● CD Amplifier Part



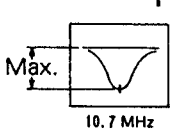
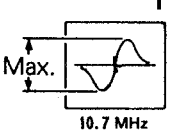
■ Mechanism & Amplifier Sections

Item	Conditions	Adjustment & Confirmation Methods	Stand. values	Adjust
Head azimuth adjustment	Test tape :VTT703L (10 kHz) Test point :Headphone (Dummy load 32 Ω)	Play test tape VTT703L(10kHz) and adjust the head azimuth so that output level is maximum and phase discrepancy is minimum between the two channels.	Output :maximum Phase difference :minimum	Head adjusting screw
Tape speed adjustment	Test tape : VTT712(3kHz) Test point : Headphone (Dummy load 32 Ω)	Play test tape VTT712 (3kHz) and near the end posiition. Should the following tape speed is out of specification, it is necessary to adjust the VR851 so that standard value obtain 2940~3090 Hz.	Normal speed :2940~3090H	VR851
Wow and flutter check	Test tape :VTT712(3kHz) Test point :Headphone (Dummy load 32 Ω)	Play test tape VTT712(3kHz) to tape start, middle and end position. Wow and fiutter should be within the following allowance at the three positions.	Playback FWD / REV should be less than o.2% (JIS RMS)	–
Playback output level adjustment	Test tape :VTT722(1kHz) Test point : DOLBY TP(CN344)	1. Play test tape VTT722(1kHz) and switch the tape select to Metal position. 2. Adjust VR241(LcH) and VR141(RcH) so that standard value obtain less than ± 2 dB. 3. L, R difference level to be less than ± 2dB.	Less than ± 2 dB Less than ± 2dB	Lch : VR241 Rch : VR141
Frequency response check	Test tape :TMT – 7036 (1kHz//10kHz) Test point : DOLBY TP (CN344)	Switch tape select to Normal position and volume at level 13 position. Play test tape TMT – 7036 then compare the level between 1 kHz and 63Hz , 1 kHz / 12.5kHz. Then defference level should be within 0dB ± 4 dB, 0 dB ± 3 dB.	63 Hz/ 1 kHz level : within 0 ± 4dB 1kHz / 12.5kHz : within 0 ± 3dB	–

Item	Conditions	Adjustment & Confirmation Methods	Stand. values	Adjust
Bias frequency adjustment	• Adjust : FM mode •Confirm : AM mode Test point : DOLBY TP (CN344)	Switch tape select to Normal position. In case that the bias frequency is out of specification, L321 should be readjusted to standard and set to Tuner Rec. position for alignment. ① Adjust bias frequency at FM mode. ② Confirm bias frequency at AM mode.	Tuner frequency :FM / Bias frequency ; 101.0kHz : AM530(M1) /Bias frequency ; 97.2kHz	L321
Recording /playback frequency response check and adjustment	Test tape : UR(Normal tape) Standard frequency : 1kHz (REF. – 20dB) Test point : DOLBY TP (CN344)	Select function to tape mode . Reference level of – 20 dB, (1 kHz and 10 kHz) perform the REC/PB function. Play back the recorded signals, adjust VR221(Lch) and VR121 (Rch), so that the level of the 10 kHz signal is +7 dB ± 2 dB to the level of the 1 kHz signal.	10 kHz : +7 ± 2 dB	Lch : VR221 Rch : VR121
Recording /playback sensitivity check	Test tape : UR(Normal tape) Input : AUX Test point : DOLBY TP (CN344)	Supply 1 kHz, – 18 dBs signal to the AUX and record it. Play it back while checking that the level is within 0 ± 3 dB to the monitor level.	Reference level :Monitor levelWithin 0 ± 3 dB	–
Recording / playback distortion check	Test tape : UR(Normal tape) Input : AUX Test point : DOLBY TP (CN344)	Supply 1 kHz, – 18 dBs signal to the AUX and record it. Play it back while checking that distortion is less than 5 %.	Less than 5 %	–

■ Tuner Section (*AM,FM IF Adjust : No allignment is neccessary, in using the solid IF.)

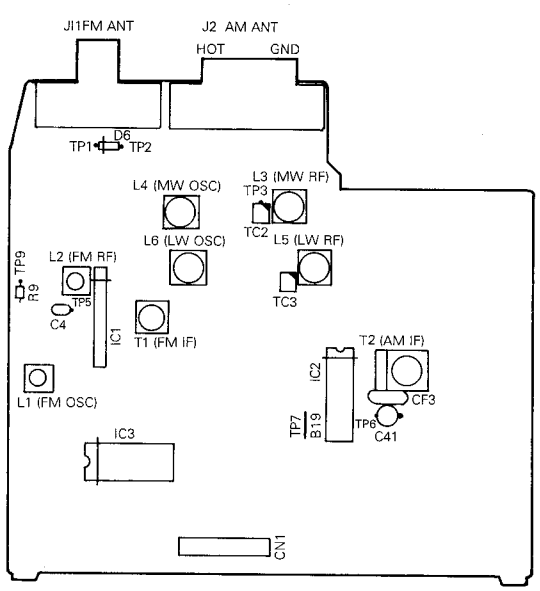
Item	Conditions	Adjustment & Confirmation Methods	Stand. values	Adjust
AM RF tracking check	Band select : AM Input position : Standard loop antenna Output position : Headphone jack	1. Receive 603kHz signal (preset No.3) from an AM oscillator by the set while adjusting L3 to maximize headphone output. 2. Next, receive 1404kHz signal (preset No.4) while adjusting TC2 to maximize headphone output. 3. Repeat the above steps 1. and 2. to obtain maximum outputs respectively.	utput level :Maximum	L3 TC2 L3 andTC2
FM RF tracking check (UX – T1B)	Band select :FM Input posision :Dummy antenna unbalanceed 75 Ω Positive side :TP1 Negative side : TP2	1. Receive 88MHz signal (preset No.3) from the FM oscillator by the set while adjusting L2 to maximize headphone output. 2. Next, receive 106MHz signal (preset No.5) . 3. Do the step 1, adjust for no further improvement.	Output level :maximum	L2
FM RF tracking check (UX – T1 E/EN)		1. Receive 87.5MHz signal (preset No.1) from an FM oscillator by the set while adjusting L1 to maximize headphone output. 2. Next, receive 108.0MHz signal (preset No.2). 3. Adjust L1 to obtain 1.3 ± 0.02V at TP9. 4. Receive 88MHz signal from an FM oscillator by the set while adjusting L2, L13 to maximize headphone output. 5.. Next, receive 106MHz signal while adjusting TC1, TC4 to maximize headphone output. 6. Repeat the above steps 4. and 5. to obtain maximum outputs respectively. **Note: After putting all shield plate on, repeat the step 4 and 5 again, adjust for no farther improvement.**	Output level :maximum 1.3 ± 0.02V	L1 L2, L13 TC1, TC4
FM RF tracking check (UX – T1 G/GI)	* Note for G/GI version After putting all shield plate on, repeat the step 4 and 5 again.	1. Receive 87.5MHz signal (preset No.1) from an FM oscillator by the set while adjusting L1 to maximize headphone output. 2. Next, receive 108.0MHz signal (preset No.2). 3. Adjust L1 to obtain 1.0 ± 0.02V at TP9. 4. Receive 88MHz signal from an FM oscillator by the set while adjusting L2, L13 to maximize headphone output. 5.. Next, receive 106MHz signal while adjusting TC1, TC4 to maximize headphone output. 6. Repeat the above steps 4. and 5. to obtain maximum outputs respectively.	Output level :maximum 1.0 ± 0.02V	L1 L2, L13 TC1, TC4

Item	Conditions	Adjustment & Confirmation Methods	Stand. values	Adjust
FM RF tracking check (UX – T1VX)	Band select : FM Input position :Dummy antenna unbalanced Test point : TP1 (Positive side) : TP2 (Negative side)	1. Receive 65.MHz signal (preset No.1) from an FM oscillator by the set . 2. Next, receive 108MHz signal (preset No.7). 3. Adjust L1 to obtain 5.1 ± 0.02V at TP9. 4. Receive 65MHz signal (preset No.1) while adjusting L2 to maximize test point TP9. 5. Next, receive 73MHz signal (preset No.3). 6. Repeat the above steps 4 to obtain maximum outputs respectively.	Output level :Maximum 5.1 ± 0.02V at TP9	 L1 L2 L2
FM IF adjustment (Except UX – T1 B/VX)	• Recieving : Near the upper band edge where no signal comes in. • Volume control :Minumum gain position.	• Input position : positive side to TP5 • Output position : Positive side to TP6 • Negative side to : TP7 1. Remove CF3 so that " S " Curve may be changed to IF wave from as shown Fig.a. Adjust T1 farther more to obtain maximum and balanced wave from/ 2. Put back CF3 so that " S " curve on the scope may obtain maximum and balanced wave from as shown Fig.b. **Note 1.** **① As to UX – T1 E/EN/G/GI, FM IF alignment is necessary.** **② As step 1. , do not remove CF3. Adjust T1 farther more to obtain maximum and balanced wave from as shown Fig.b.** **Note 2.** **① As to UX – T1 E/EN/G/GI, FM IF Alignment is neccessary.** **② Receive 98.0MHz 22.5 kHz Dev. , Input level : about – 3dB limitting sensitivity level.** **③ Adjust T1, no farther improvement.**	 Fig.a  Fig.b	T1

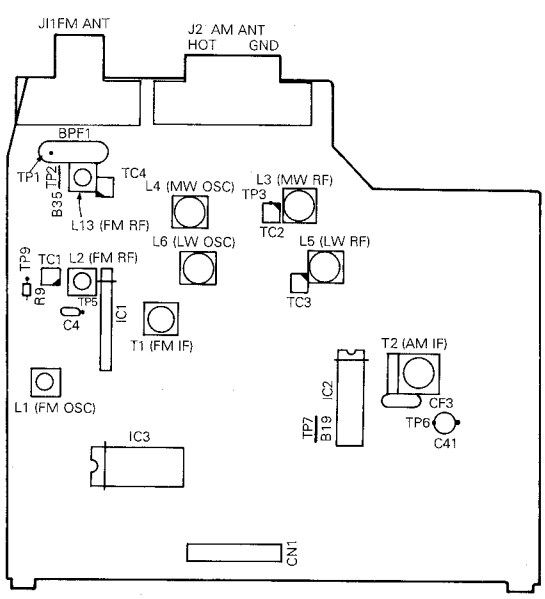
Item	Conditions	Adjustment & Confirmation Methods	Stand. values	Adjust
LW RF tracking	Band select : LW Input position : Standard loop antenna	1. Receive 144kHz signal (preset No.6) from an AM oscillator by the set while adjusting L6 to maximize test point TP9. 2. Next, receive 288kHz signal (preset No.7). 3. Adjust L6 to obtain 1.1 ± 0.02V at TP9. 4. Receive 144kHz signal (preset No.6) while adjusting L5 to maximize test point TP9. 5. Next, receive 288kHz signal (preset No.7) while adjusting TC3 to maximize test point TP9. 6. Repeat the above steps 4. and 5. to obtain maximum outputs respectively.	Output level :Maximum 1.1 ± 0.02V at TP9	 L6 L6 L5 TC3

■ Arrangement of adjusting positions : Tuner P.C. board (Top view)

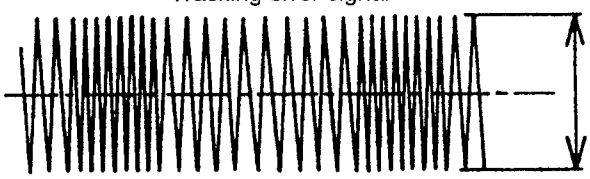
UX - T1 B/VX



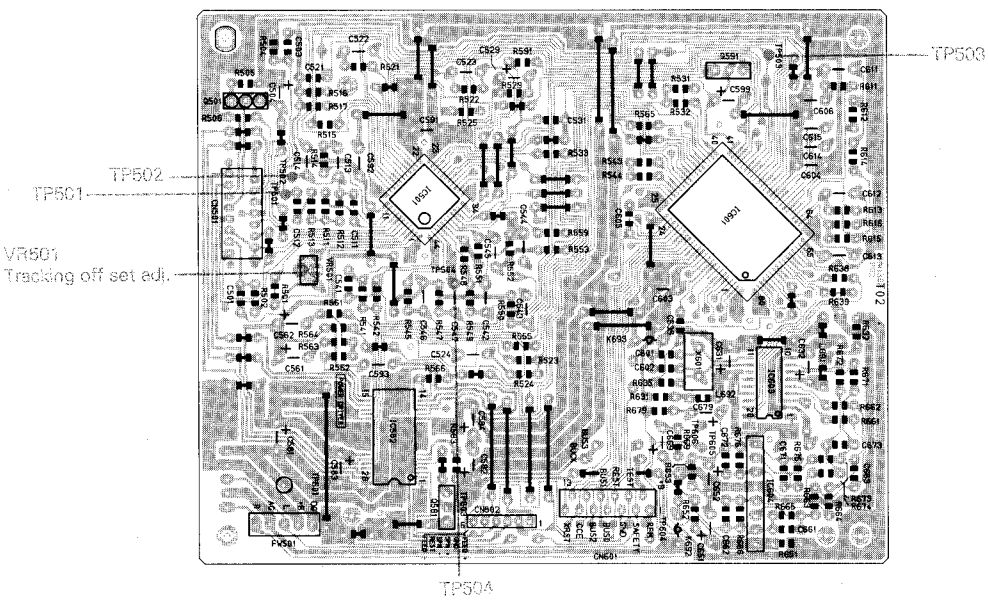
UX - T1 E/EN/G/GI



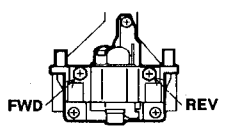
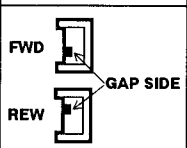
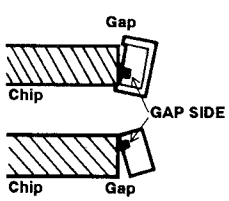
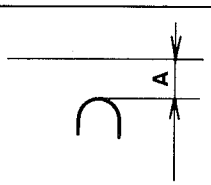
■ CD player Section

Item	Conditions	Adjustment & Confirmation Methods	Stand. values	Adjust
Tracking offset adjustment	Test disc :CTS1000 Oscilloscope	①Connect an oscilloscope across the test points TP503 (hot side)and TP501 (Earth side). ②Play the test disc CTS1000. ③Shortcircuit the TP504 to the TP501 while playing , then the tracking error signal will be emitted for about 3 seconds. ④Adjust the VR501 so that the waveform of the tracking error signal on the oscilloscope becomes symetrical to the DC zero level. ⑤Repeat the steps 2, 3, and 4 for the best result since the tracking error signal appears on the screen just for 3 sconds. Tracking error signal  Set the center of P-P to the DC zero level. Note : The oscilloscope shall be connected by DC coupling.	Set the center of P – P to the DC zero level.	VR501

■ Arrangement of adjusting positions: CD Amplifier P.C. board



■ Cassette mechanism part

Item	Conditions	Adjustment & Confirmation Methods	Stand. values	Adjust
1. Thrust gap flywheel		Check with finger feeling.	0.2 ~ 1.0mm (BOTH FWD, REV)	
2. Mecha operation	Mecha control	Following operation to be normal (Both FWD, REV) and, in that time, noise, vibration should not occur. (Running noise during PLAY, FF, REW, is accepted if noise can't be heard with loading cassette type.)	PLAY, DIR, FF, REW, SCAN (FF, REW), PAUSE, STOP	
3. Signal of auto stop	Mecha control	Lead light to be and off normally play (SIG) (Caution: Without tape fwd side only, led to be on and off.)		
4. Leaf switch position		1. All switch leds, should light when putting cassette gauge for confirming leaf SW on. 2. All SW leds should not light when putting cassette gauge for confirming leaf SW off.		
5–1. Azimuth	M300 gauge t=3.4mm chip VVT 704(12.5KHz)	Adjust azimuth to the peak point by play back 12.5KHz. At that time, difference Lch– Rch below 4dB and difference Lch– Rch FWD/REV below 3dB.		
5–2. Guide height	Head amp	t=3.4mm chip can be inserted into guide of R/P head after adjusting azimuth.(t=3.4mm chip can after be inserted into dummy guide, both FWD, REV.)		
5–3. Tape running		Curl running should not occur at guide of R/P head with loading C–90 at midle.(Both FWD, REV)		MECHA CONTROL
	Upper side curling of FWD, lower side curling of REV.	Curling at oposite of gap is corrected by turning azimuth screw within ½ turns can be acceptable.(After checking above item azimuth screw to be returned to previous position.)		C–90
	Lower side curing of FWD, upper side curling of REV	Curling at gap side is corrected by turning azimuth screw within ¼ turns can be acceptable (After checking above item, azimuth screw to be returned to be returned to previous position.)		
5–4. Stertching		Stretching not to occur at the beginning of C–90. (Without pad)	Sampling check	C–90
5–5. Head position	IN PLAY A 3.10~3.65mm (3.25~3.80) IN MS A 4.4~5.1mm (1.8~2.5)			Head position jig. Figuires in ( ) is against standard cassette guide
6. Separation		Reversing L and R crass talk not to occur by play back 1KHz.		Mecha control OSC scope VVT 752

9 Block Diagram

(UX - T1 E/EN)

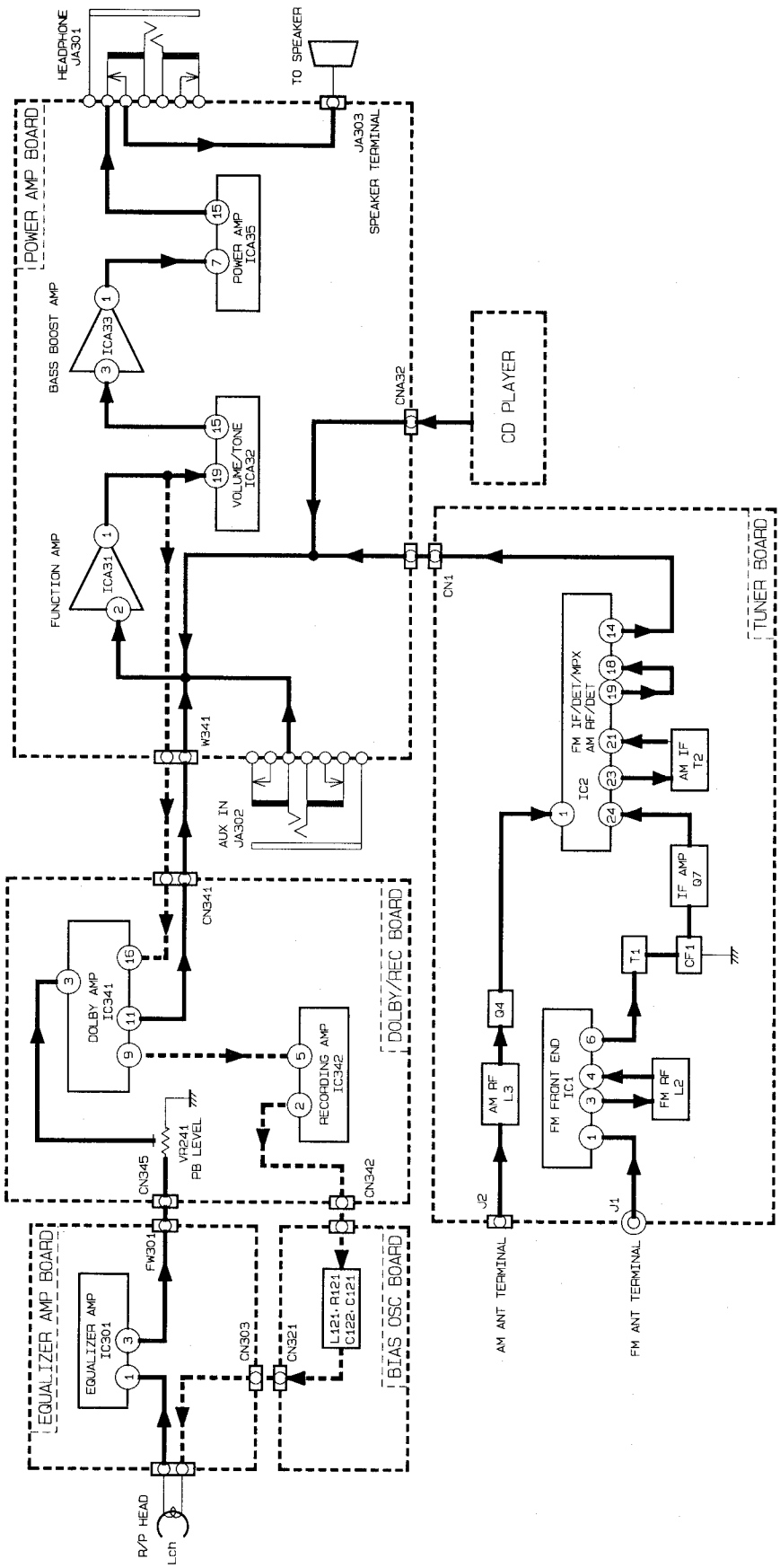


Fig. 9-1

(UX - T1 G/GI)

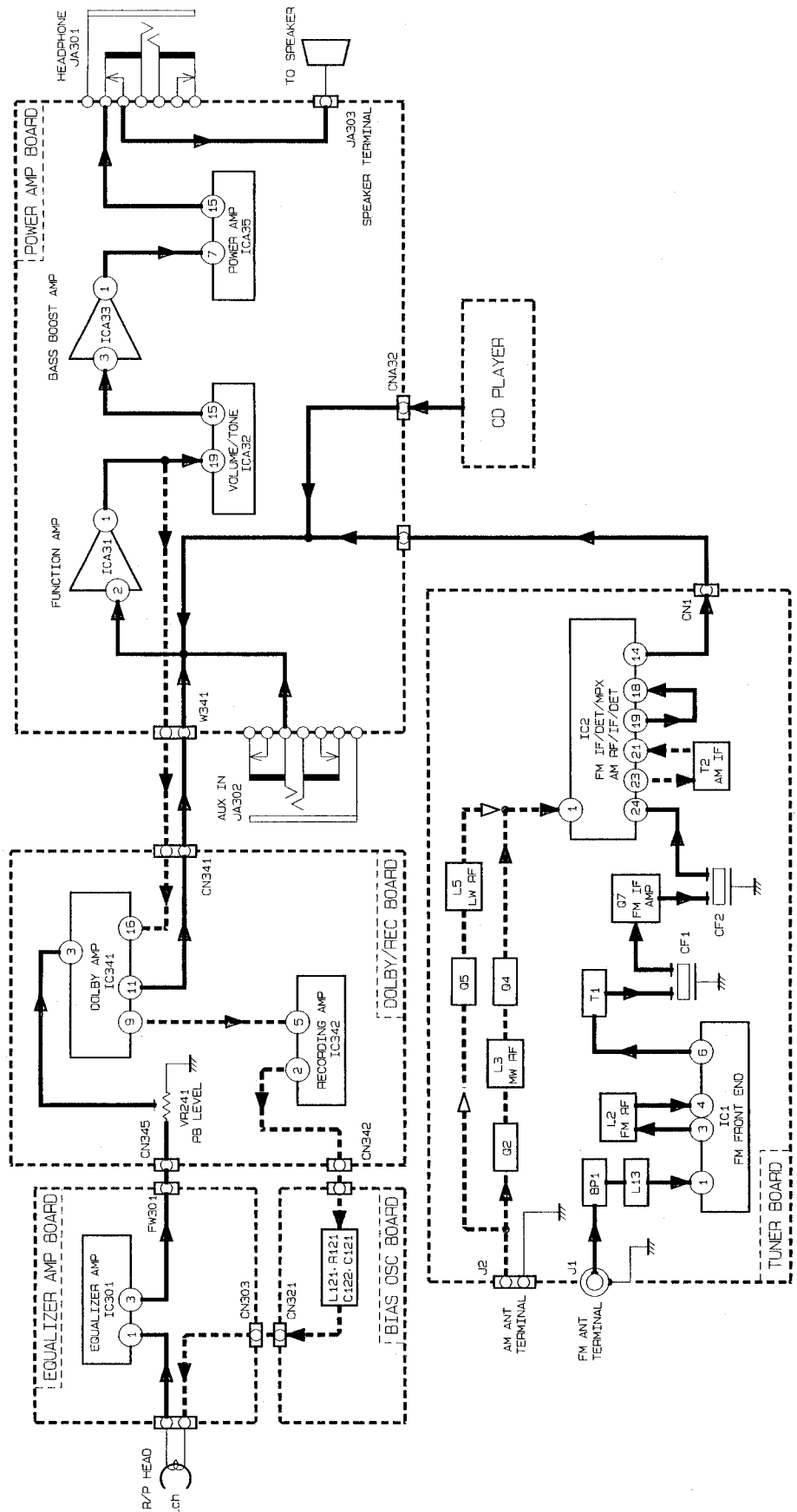


Fig. 9-2

(UX - T1 B/VX)

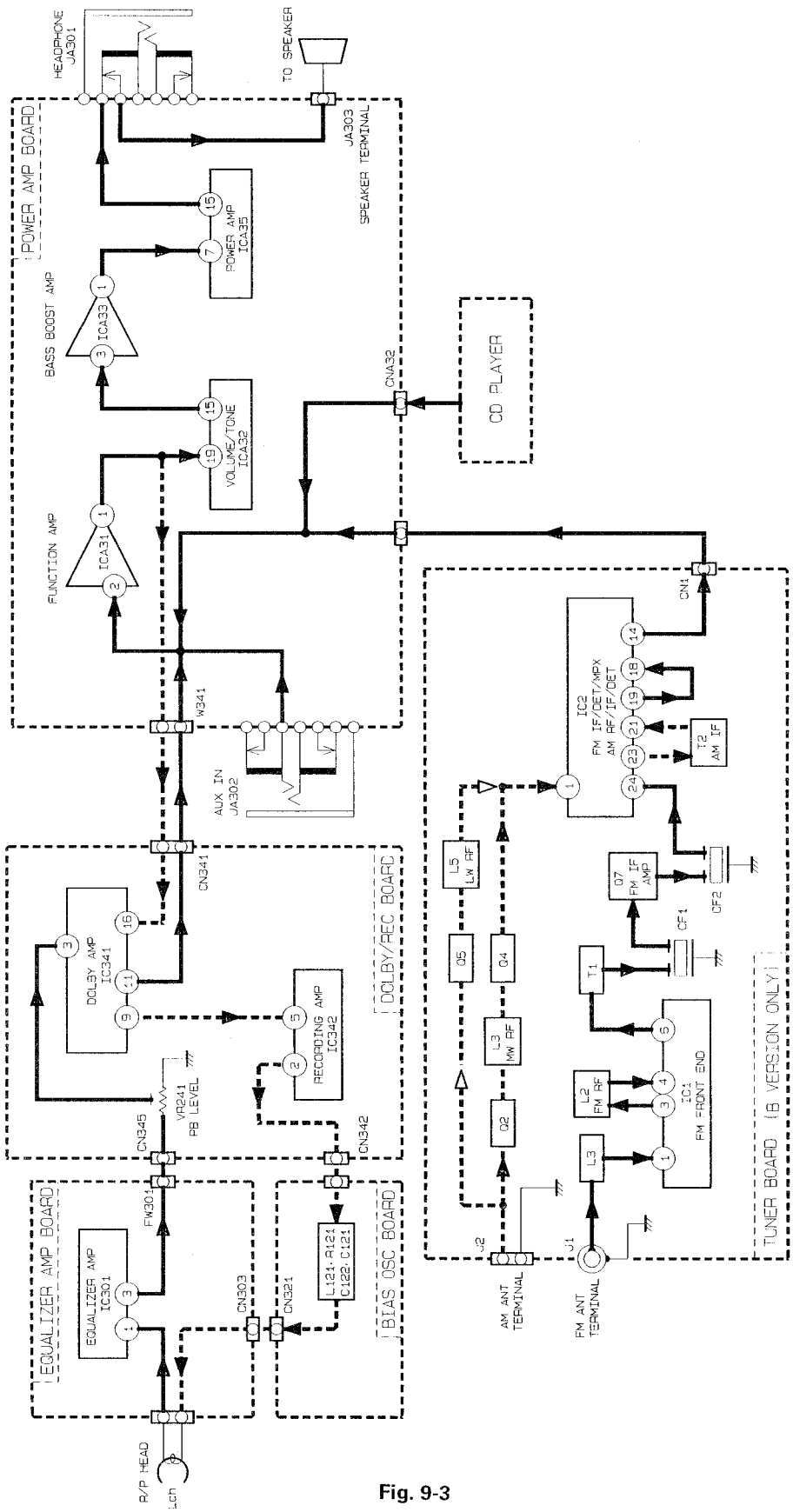


Fig. 9-3

10 Wiring Connections

■ Cassette Mechanism Part

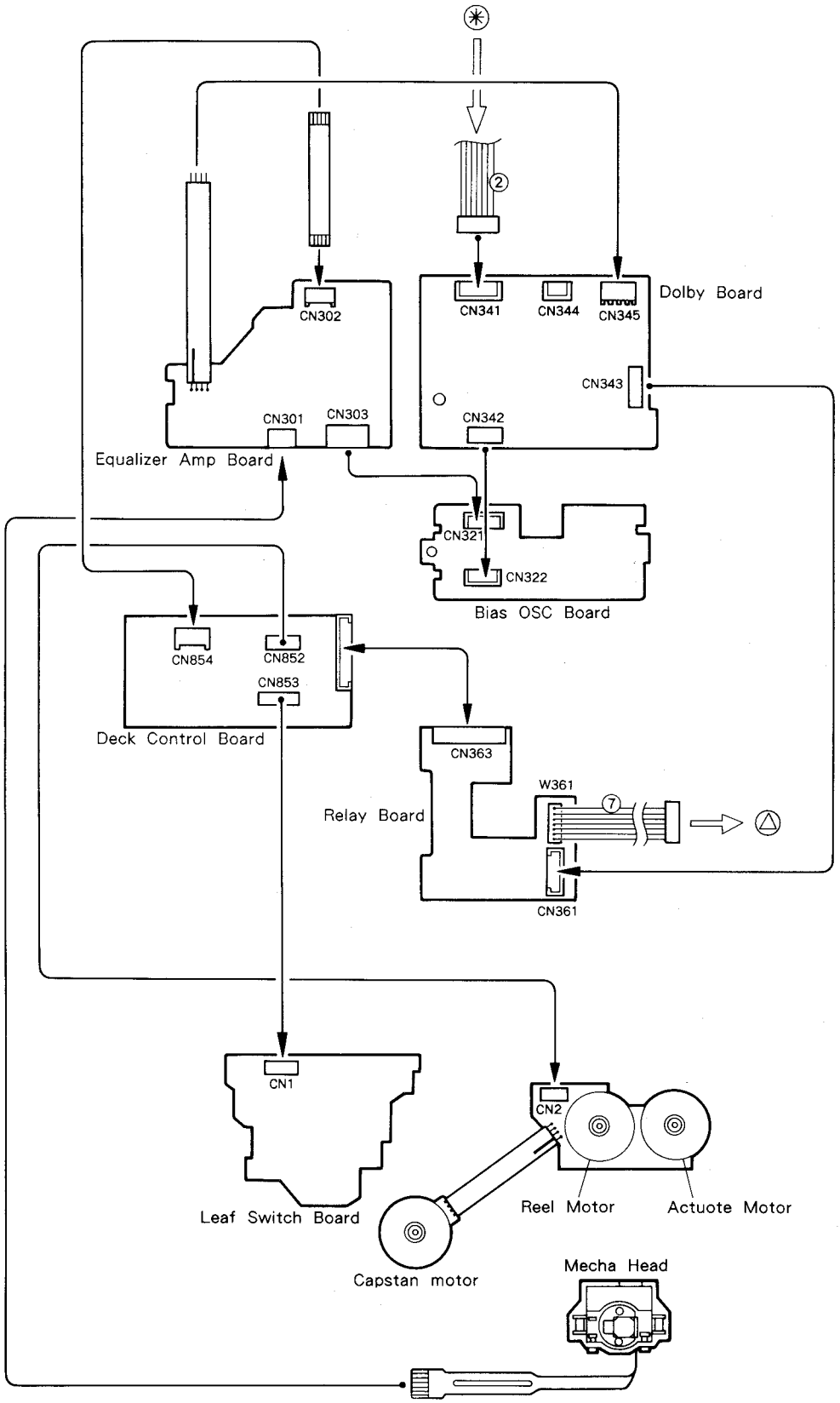


Fig. 10-1

■ CD Player Part

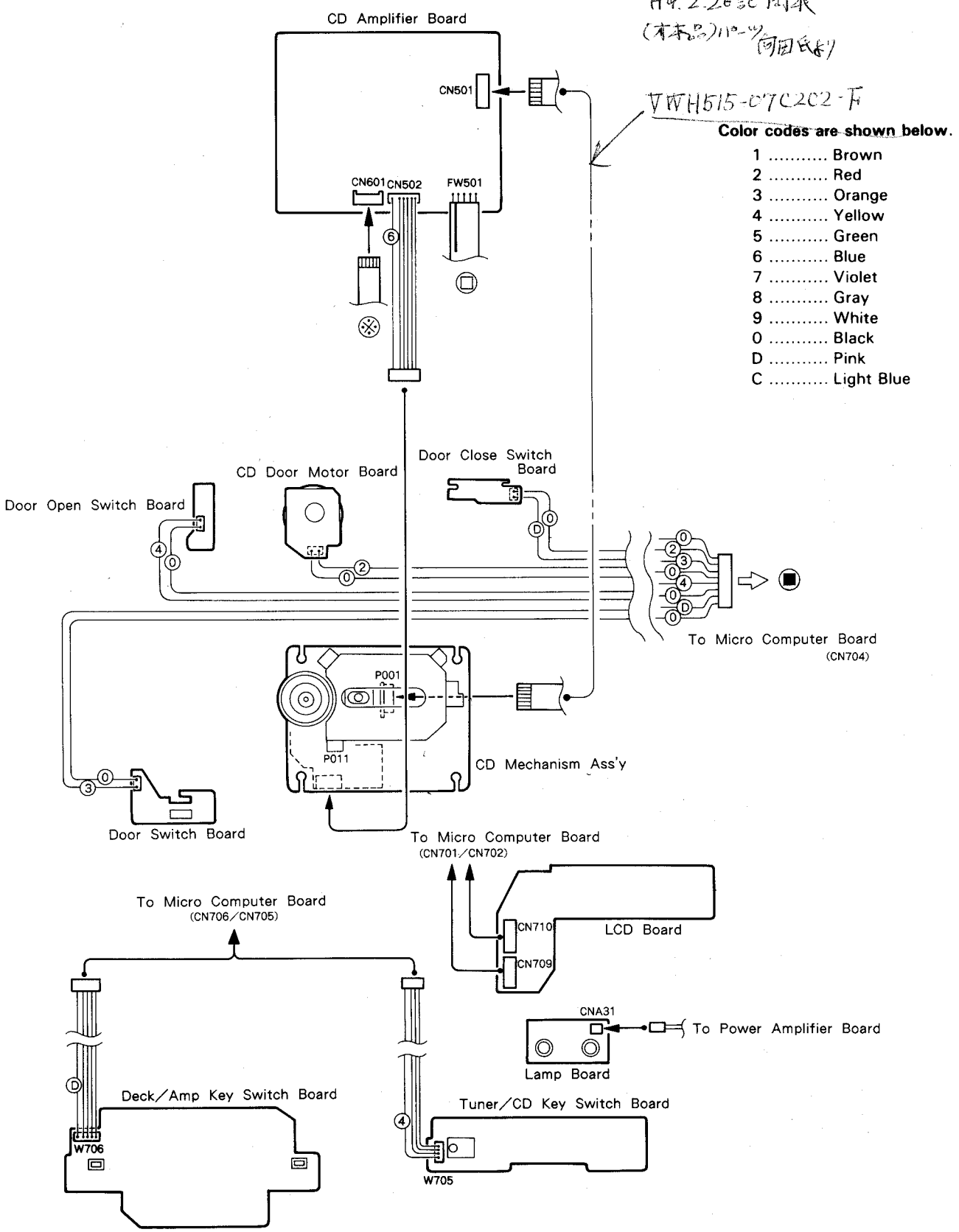


Fig. 10-2

6 7 8 9 10

■ Power Supply / Power Amplifier Part

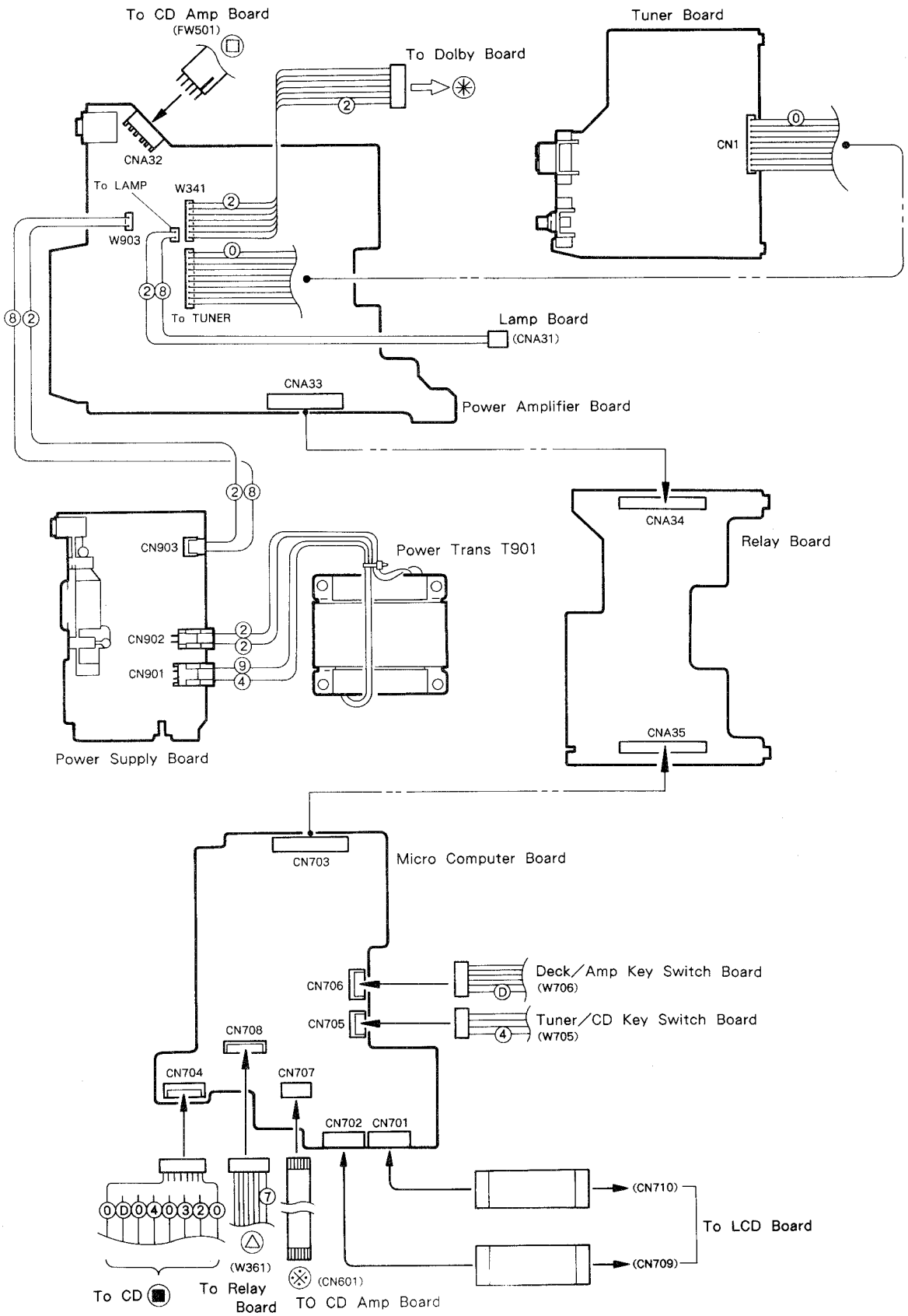
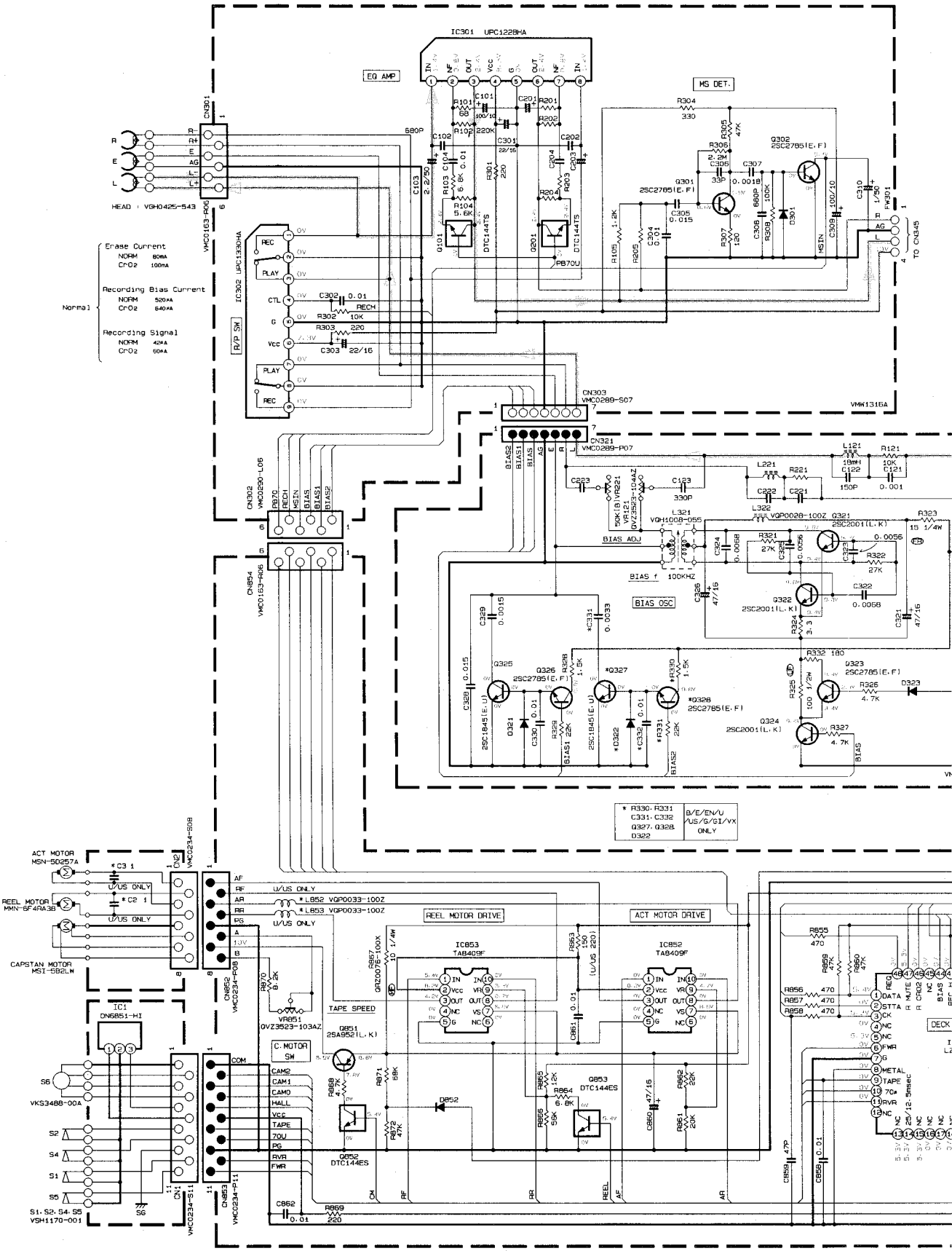
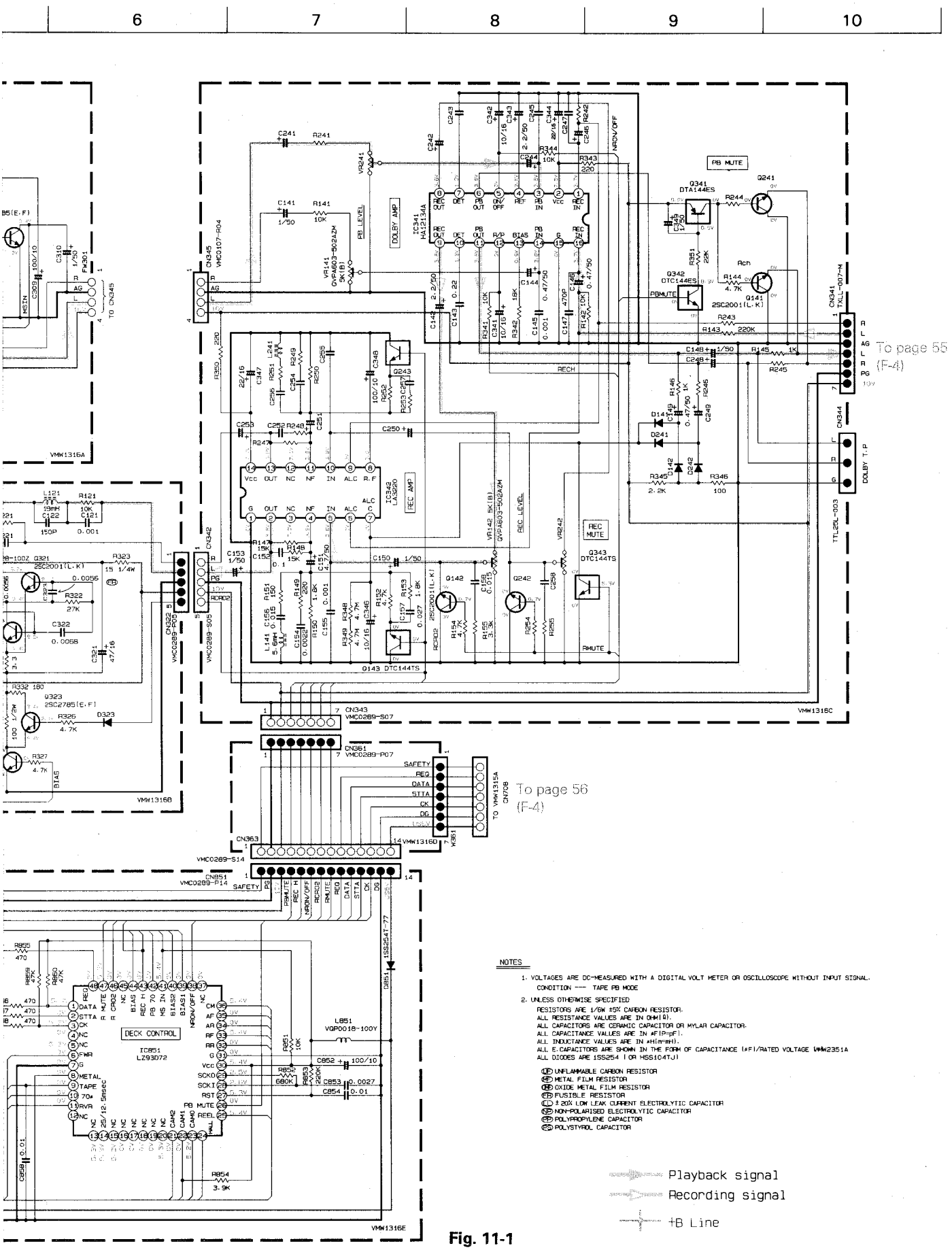


Fig. 10-3

11 Standard Schematic Diagrams

■ Pre-Amplifier Circuit : Drawing No. VDH9212-005PV





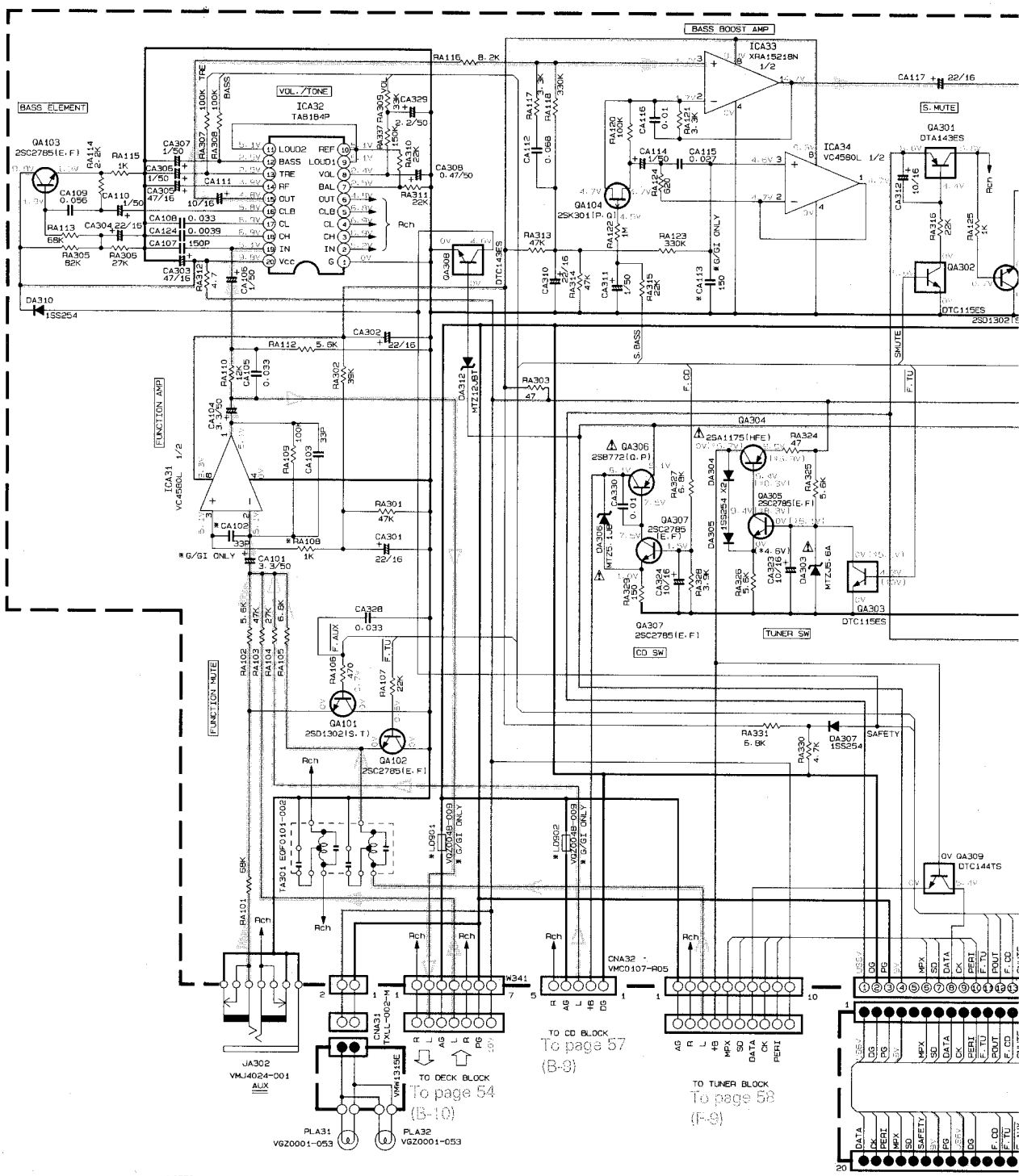
NOTES

1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER OR OSCILLOSCOPE WITHOUT INPUT SIGNAL.
   CONDITION ---- TAPE PB MODE
2. UNLESS OTHERWISE SPECIFIED
   RESISTORS ARE 1/6W ±5% CARBON RESISTOR.
   ALL RESISTANCE VALUES ARE IN OHM(Ω).
   ALL CAPACITORS ARE CERAMIC CAPACITOR OR MYLAR CAPACITOR.
   ALL CAPACITANCE VALUES ARE IN μF(P=pF).
   ALL INDUCTANCE VALUES ARE IN μH(m=mH).
   ALL E.CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE (μF)/RATED VOLTAGE (WW2351A
   ALL DIODES ARE 1SS254 (OR HSS104TJ)

(UF) UNFLAMMABLE CARBON RESISTOR
(MF) METAL FILM RESISTOR
(RS) OXIDE METAL FILM RESISTOR
(FS) FUSIBLE RESISTOR
(LL) ± 20% LOW LEAK CURRENT ELECTROLYTIC CAPACITOR
(NP) NON-POLARISED ELECTROLYTIC CAPACITOR
(PP) POLYPROPYLENE CAPACITOR
(PS) POLYSTYROL CAPACITOR

Fig. 11-1

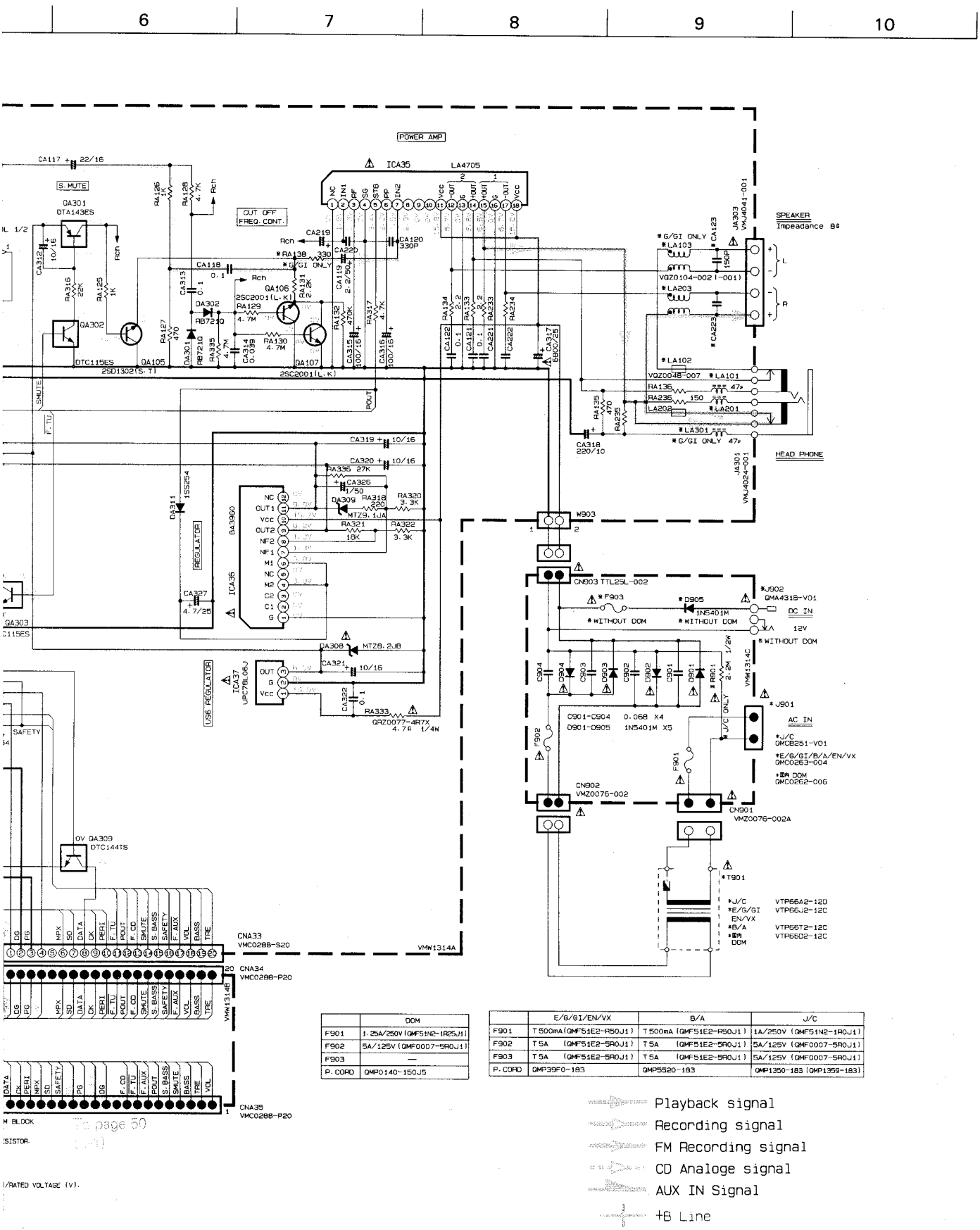
■ Power Amplifier Circuit : Drawing No. VDH9212-005AV



NOTES

1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER OR OSCILLOSCOPE WITHOUT INPUT SIGNAL.
   CONDITION —— CD MODE
   VOLTAGE VALUE MARKED * IS IN TUNER POSITON

2. UNLESS OTHERWISE SPECIFIED, RESISTORS ARE 1/6W ±5% CARBON RESISTOR.
   ALL RESISTANCE VALUES ARE IN OHM(Ω).
   ALL CAPACITORS ARE CERAMIC CAPACITOR OR MYLAR CAPACITOR.
   ALL CAPACITANCE VALUES ARE IN μF(P=pF).
   ALL INDUCTANCE VALUES ARE IN μH(m=mH).
   ALL E.CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE (μF)/RATED VOLTAGE (V).
   (OF) UNFLAMMABLE CARBON RESISTOR
   (MF) METAL FILM RESISTOR
   (MO) OXIDE METAL FILM RESISTOR
   (LL) ±20% LOW LEAK CURRENT ELECTROLYTIC CAPACITOR
   (NP) NON-POLARISED ELECTROLYTIC CAPACITOR
   (PP) POLYPROPYLENE CAPACITOR
   (PS) POLYSTYROL CAPACITOR



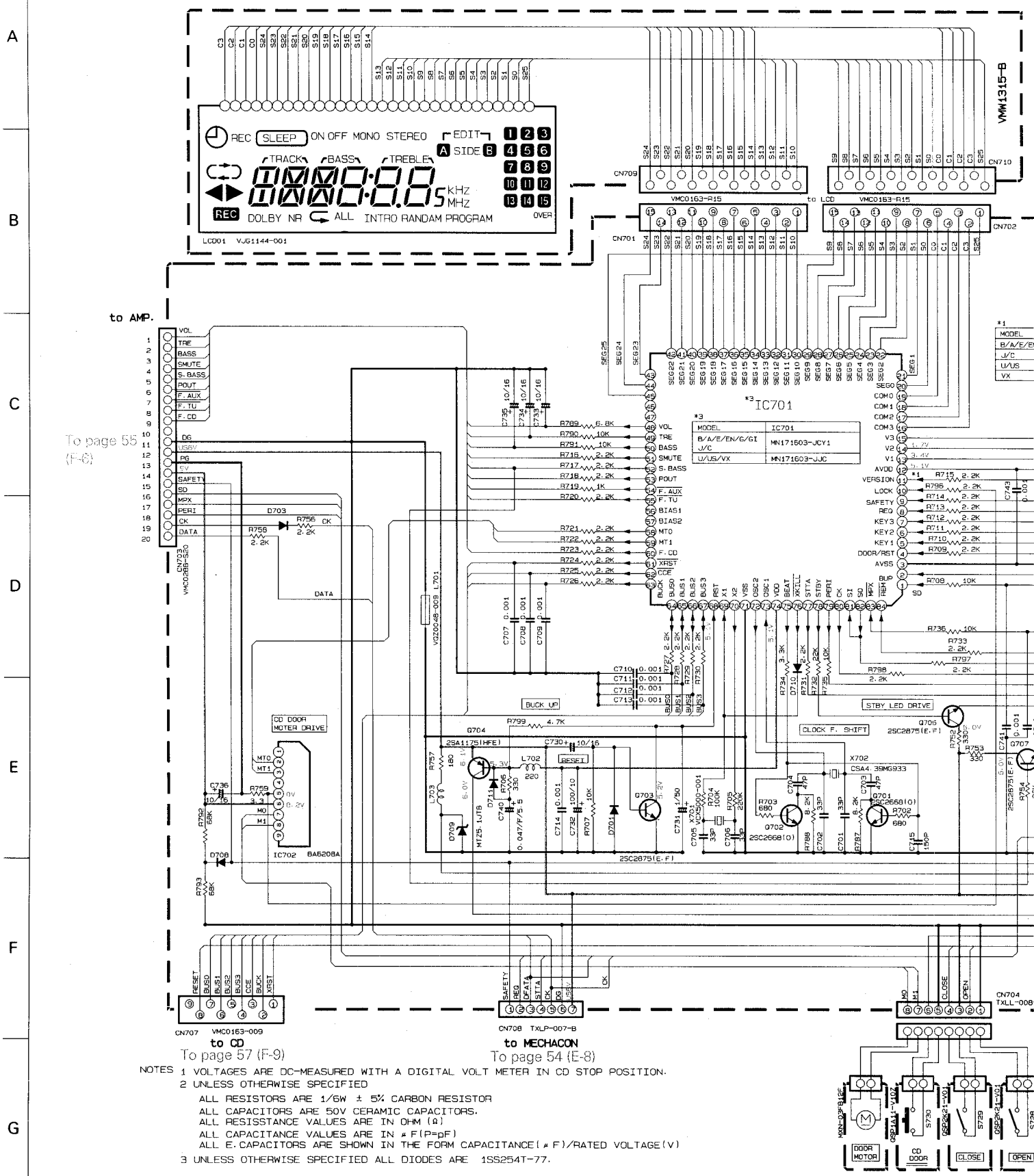
	DOM
F901	1.25A/250V (QMF51N2-1R25J1)
F902	5A/125V (QMF0007-5R0J1)
F903	—
P. CORD	QMP0140-150J5

	E/G/GI/EN/VX	B/A	J/C
F901	T500mA (QMF51E2-R50J1)	T500mA (QMF51E2-R50J1)	1A/250V (QMF51N2-1R0J1)
F902	T5A (QMF51E2-5R0J1)	T5A (QMF51E2-5R0J1)	5A/125V (QMF0007-5R0J1)
F903	T5A (QMF51E2-5R0J1)	T5A (QMF51E2-5R0J1)	5A/125V (QMF0007-5R0J1)
P. CORD	QMP39F0-183	QMP5520-183	QMP1350-183 (QMP1359-183)

Playback signal
Recording signal
FM Recording signal
CD Analoge signal
AUX IN Signal
+B Line

Fig. 11-2

■ LCD/Micro Computer Circuit : Drawing No. TDH9212-005SV



NOTES 1 VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER IN CD STOP POSITION.
2 UNLESS OTHERWISE SPECIFIED
ALL RESISTORS ARE 1/6W ± 5% CARBON RESISTOR
ALL CAPACITORS ARE 50V CERAMIC CAPACITORS.
ALL RESISSTANCE VALUES ARE IN OHM (Ω)
ALL CAPACITANCE VALUES ARE IN μF(P=pF)
ALL E.CAPACITORS ARE SHOWN IN THE FORM CAPACITANCE(μF)/RATED VOLTAGE(V)
3 UNLESS OTHERWISE SPECIFIED ALL DIODES ARE 1SS254T-77.

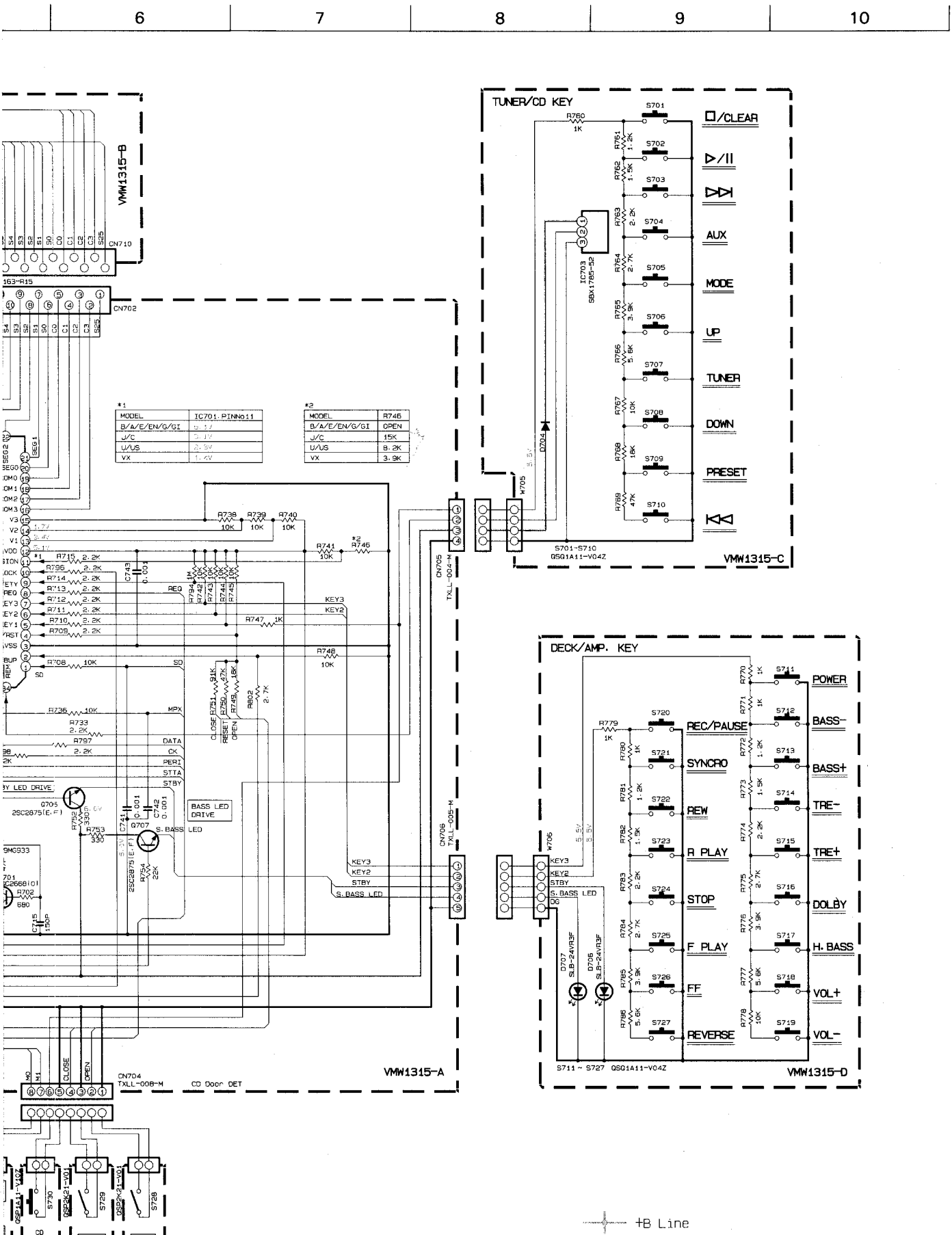
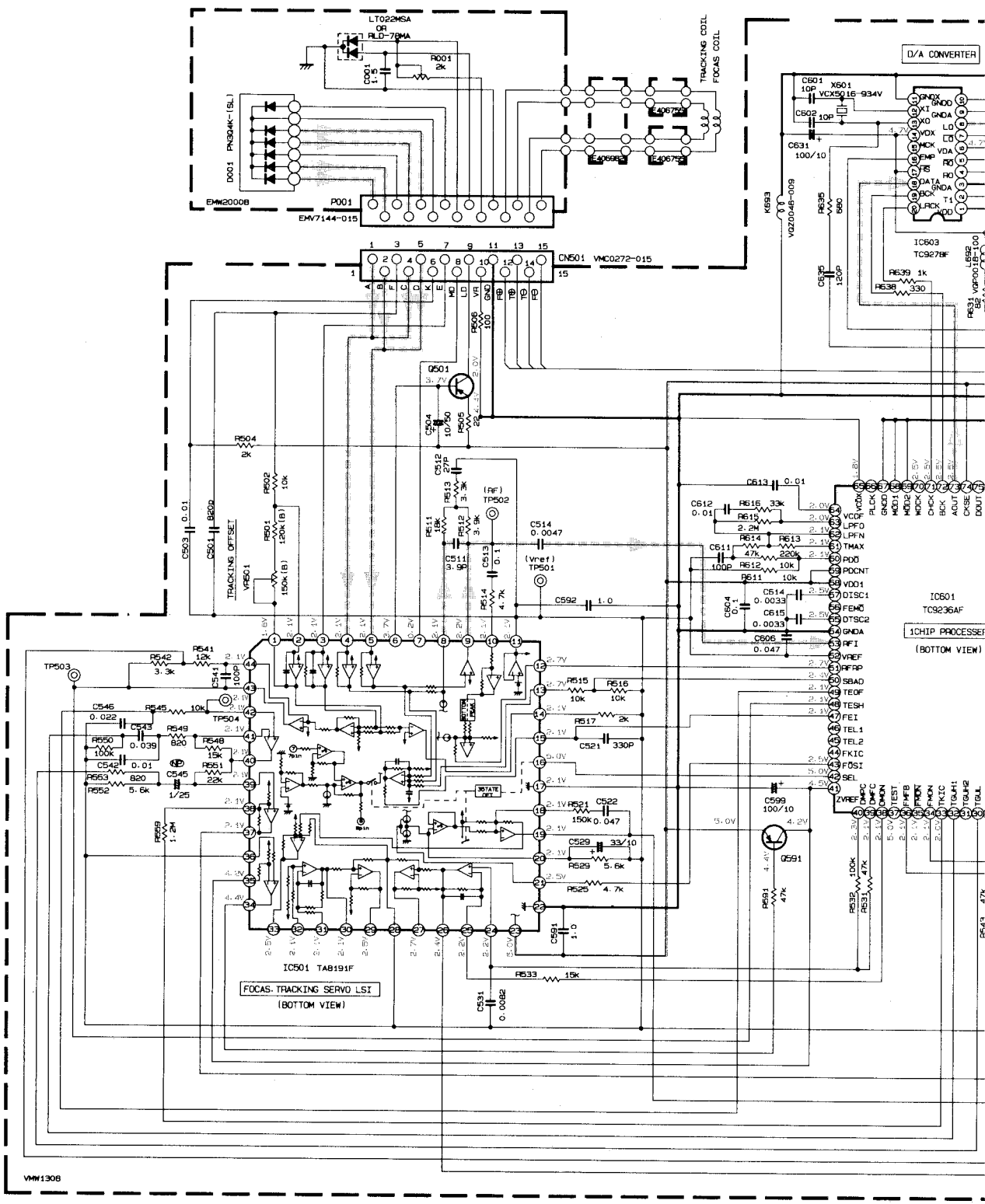

6
7
8
9
10
VMW1315-B
CN710
CN702
TUNER/CD KEY
S701
S702
S703
S704
S705
S706
S707
S708
S709
S710
□/CLEAR
▷/II
▷▷|
AUX
MODE
UP
TUNER
DOWN
PRESET
|◁◁
IC703 SBX1785-52
D704
W705
S701~S710 QSQ1A11-V04Z
VMW1315-C
*1
MODEL | IC701 PIN No11
B/A/E/EN/G/GI | 5.1V
J/C | 5.1V
U/US | 2.3V
VX | 1.4V
*2
MODEL | R746
B/A/E/EN/G/GI | OPEN
J/C | 15K
U/US | 8.2K
VX | 3.9K
CN705 TXLL-004-M
KEY3
KEY2
REQ
SD
MPX
DATA
CK
PERI
STTA
STBY
S.BASS LED
BASS LED DRIVE
CN706 TXLL-005-M
DECK/AMP. KEY
S711 POWER
S712 BASS-
S713 BASS+
S714 TRE-
S715 TRE+
S716 DOLBY
S717 H.BASS
S718 VOL+
S719 VOL-
S720 REC/PAUSE
S721 SYNCRO
S722 REW
S723 R PLAY
S724 STOP
S725 F PLAY
S726 FF
S727 REVERSE
W706
D707 SLR-24VR3F
D706 SLR-24VR3F
S711~S727 QSQ1A11-V04Z
VMW1315-D
CN704 TXLL-008-M
CD Door DET
CLOSE
OPEN
S730
S729
S728
CD DOOR
VMW1315-A
+B Line

Fig. 11-3

■ CD Amplifier Circuit : Drawing No. VDH9212-005CV



Q501	2SA952(L.K)
Q581	
Q591	2SA1309(R.S) OR 2SA1175(HFE) OR 2SA933S(RS)

Fig.

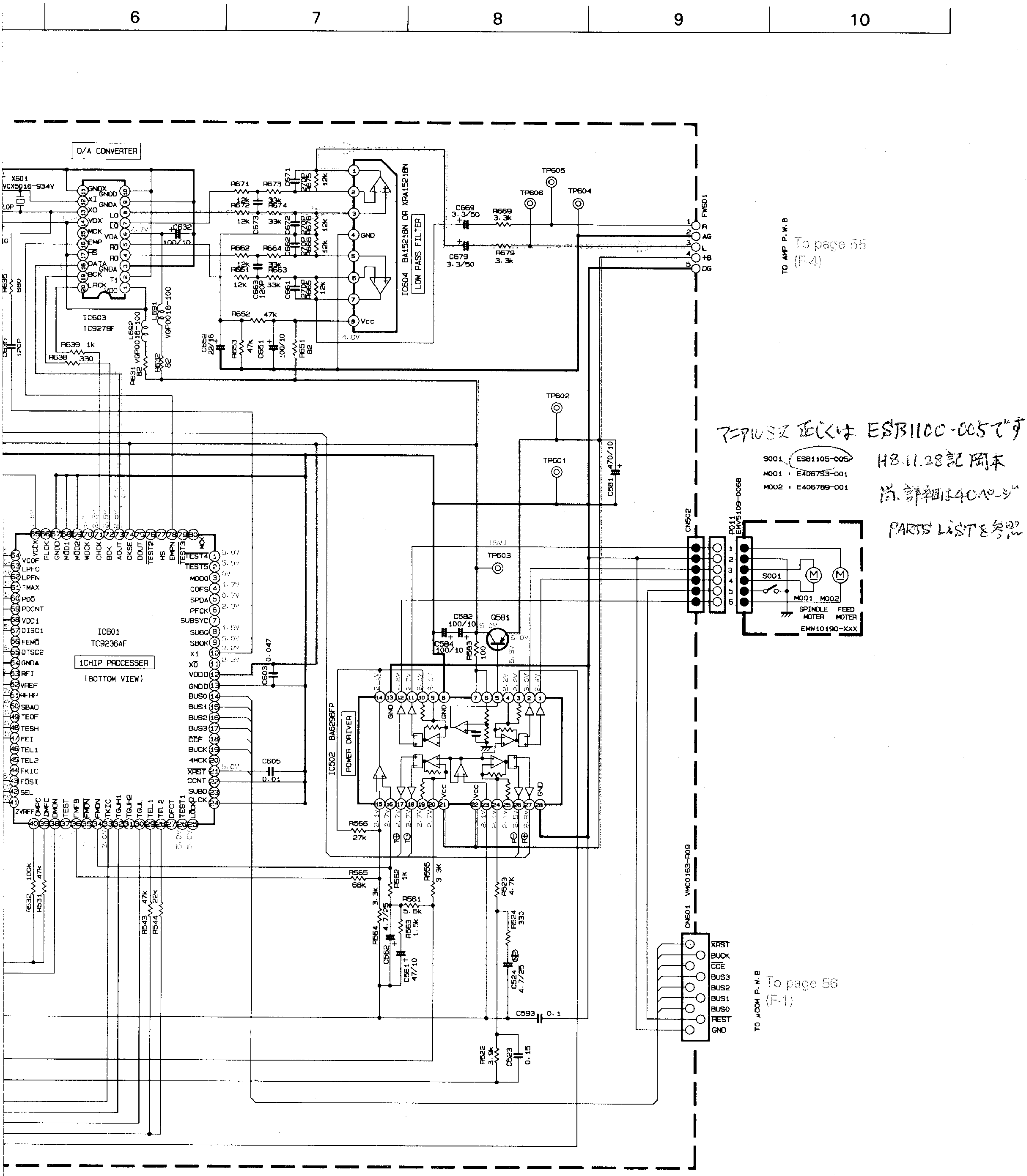
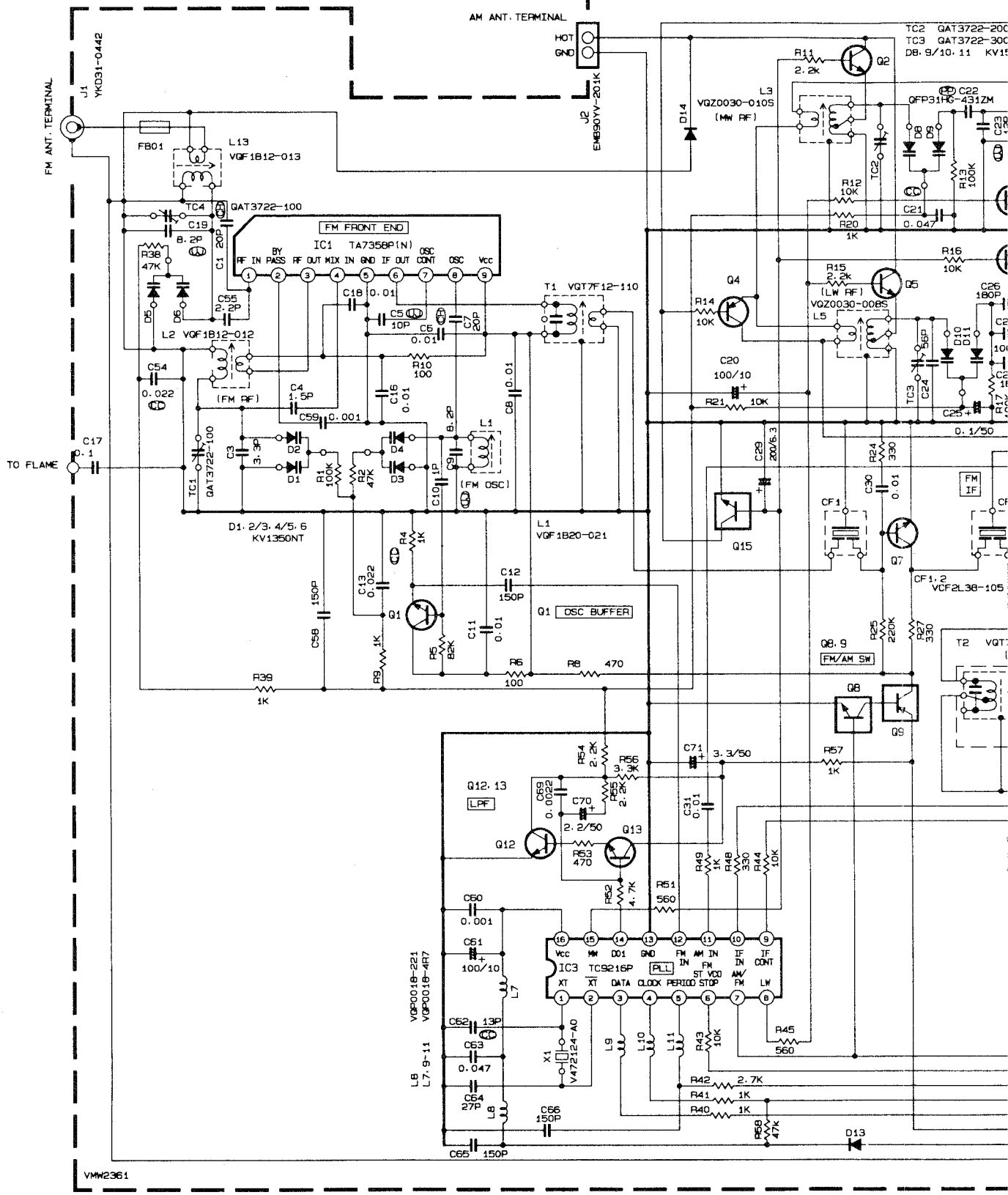


Fig. 11-4

CD Analog signal
CD Digital signal
+B LINE

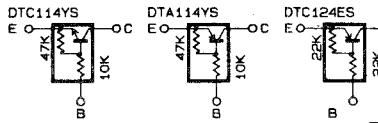
■ Tuner circuit : Drawing No. VDH9212-005TW (UX-T1 E/EN)

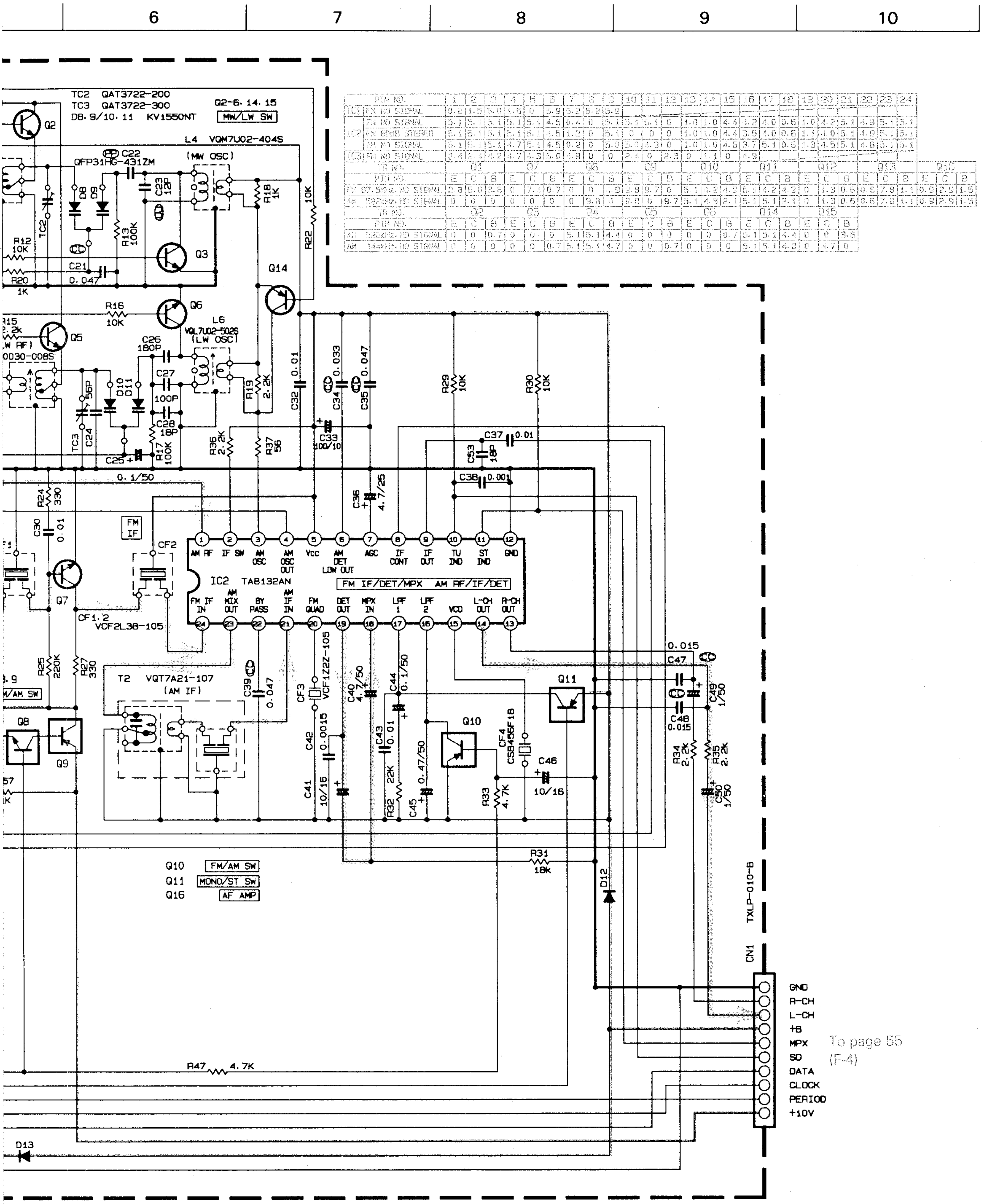


NOTES
1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER.
2. ALL RESISTORS ARE 1/6W ±5% CARBON RESISTOR.
3. ALL RESISTANCE VALUES ARE IN OHM (Ω).
4. ALL CAPACITANCE VALUES ARE IN μF (P=pF).
5. ALL E.CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE (μF)/RATED VOLTAGE (V)
6. SI.DIODES(▶|) ARE ALL 1SS254T THAT CAN BE CHANGED TO SIMILAR DIODE SUCH AS MA165 OR HSS104J.
7. PARTS NO. OF TRANSISTOR ARE AS FOLLOWS.

Q1	2SC2668(O)	Q4. 14	2SC1175(HFE)
Q6. 8. 12. 13. 16	2SC2785(E.F)	Q9-11	DTA114YS
Q3. 7	2SC2668(O)	Q2. 5	2SD1302(S.T)
Q8	DTC114YN	Q15	DTC124ES

8. INSIDE OF DIGITAL TRANSISTORS ARE SHOWN AS FOLLOWS.





PIN NO.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
IC1	FM NO SIGNAL	0.6	1.5	5.8	1.5	0	5.9	5.2	5.8	5.9															
IC2	FM NO SIGNAL	5.1	5.1	5.1	5.1	5.1	4.5	0.4	0	5.1	5.1	0.1	0	1.0	1.0	4.4	4.2	4.0	0.6	1.0	4.2	5.1	4.9	5.1	5.1
IC2	FM 60dB STEREO	5.1	5.1	5.1	5.1	5.1	4.5	1.2	0	5.1	0	0	0	1.0	1.0	4.4	3.5	4.0	0.6	1.1	4.0	5.1	4.9	5.1	5.1
IC2	AM NO SIGNAL	5.1	5.1	5.1	4.7	5.1	4.5	0.2	0	5.0	5.0	4.3	0	1.0	1.0	4.6	3.7	5.1	0.6	1.3	4.5	5.1	4.6	5.1	5.1
IC3	FM NO SIGNAL	2.4	2.4	4.2	4.7	4.3	5.0	4.9	0	0	2.4	0	2.3	0	1.1	0	4.9								

TR NO.	Q1			Q7			Q8			Q9			Q10			Q11			Q12			Q13			Q16		
PIN NO.	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B
FM 87.5MHz NO SIGNAL	2.8	5.6	2.6	0	7.4	0.7	0	0	4.9	9.8	9.7	0	5.1	4.2	4.9	5.1	4.2	4.3	0	1.3	0.6	0.6	7.8	1.1	0.9	2.9	1.5
AM 522kHz NO SIGNAL	0	0	0	0	0	0	0	9.8	0	9.8	0	9.7	5.1	4.9	2.1	5.1	5.1	2.1	0	1.3	0.6	0.6	7.8	1.1	0.9	2.9	1.5

TR NO.	Q2			Q3			Q4			Q5			Q6			Q14			Q15		
PIN NO.	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B
AM 522kHz NO SIGNAL	0	0	0.7	0	0	0	5.1	5.1	4.4	0	0	0	0	0	0.7	5.1	5.1	4.4	0	0	3.6
AM 1440kHz NO SIGNAL	0	0	0	0	0	0.7	5.1	5.1	4.7	0	0	0.7	0	0	0	5.1	5.1	4.3	0	4.7	0

STORS ARE SHOWN AS FOLLOWS.

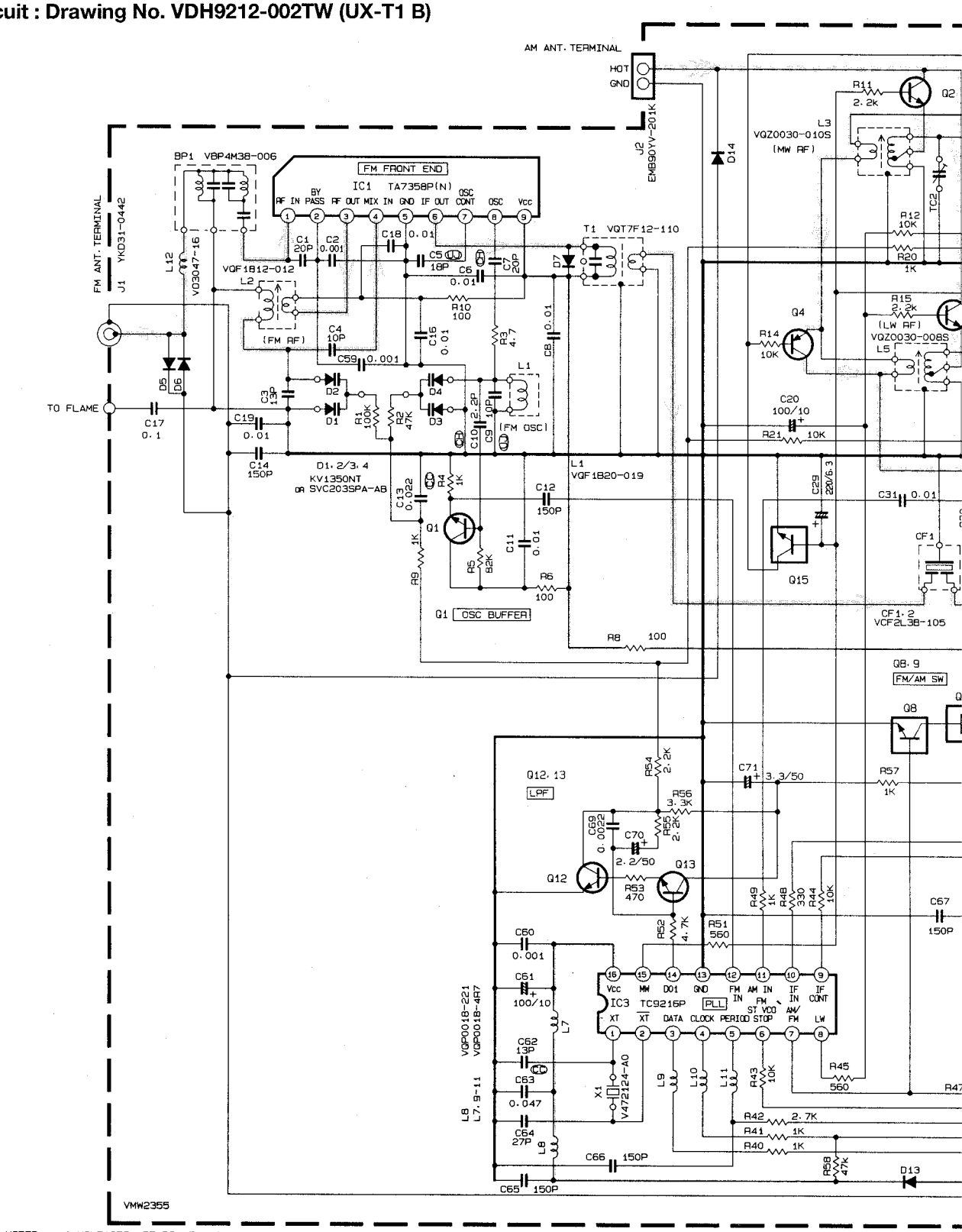
4YS DTC124ES

9. LAST NO.
R 58 C 71 Q 15 D 14
BLANK NO.
R 3, 7, 23, 26, 28, 46, 50
C 2, 14, 15, 51, 52, 56, 57, 67, 68

AM Radio signal
FM Radio signal
+B LINE

Fig. 11-5

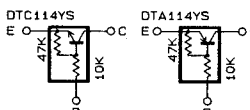
■ Tuner circuit : Drawing No. VDH9212-002TW (UX-T1 B)



NOTES
1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER.
2. ALL RESISTORS ARE 1/6W ±5% CARBON RESISTOR.
3. ALL RESISTANCE VALUES ARE IN OHM (Ω).
4. ALL CAPACITANCE VALUES ARE IN ×F (P=pF).
5. ALL E.CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE (×F)/RATED VOLTAGE (V)
6. SI.DIODES(▶|)ARE ALL 1SS254T THAT CAN BE CHANGED TO SIMILAR DIODE SUCH AS MA165 OR HSS104J.
7. PARTS NO. OF TRANSISTOR ARE AS FOLLOWS.

Q1	2SC2668(O)	Q4, 14	2SA1175(HFE)
Q6, 8, 12, 13	2SC2785(E, F)	Q9-11	DTA114YS
Q3, 7	2SC2668(O)	Q2, 5	2SD1302(S, T)
Q8	DTC114YN	Q15	DTC124ES

8. INSIDE OF DIGITAL TRANSISTORS ARE SH



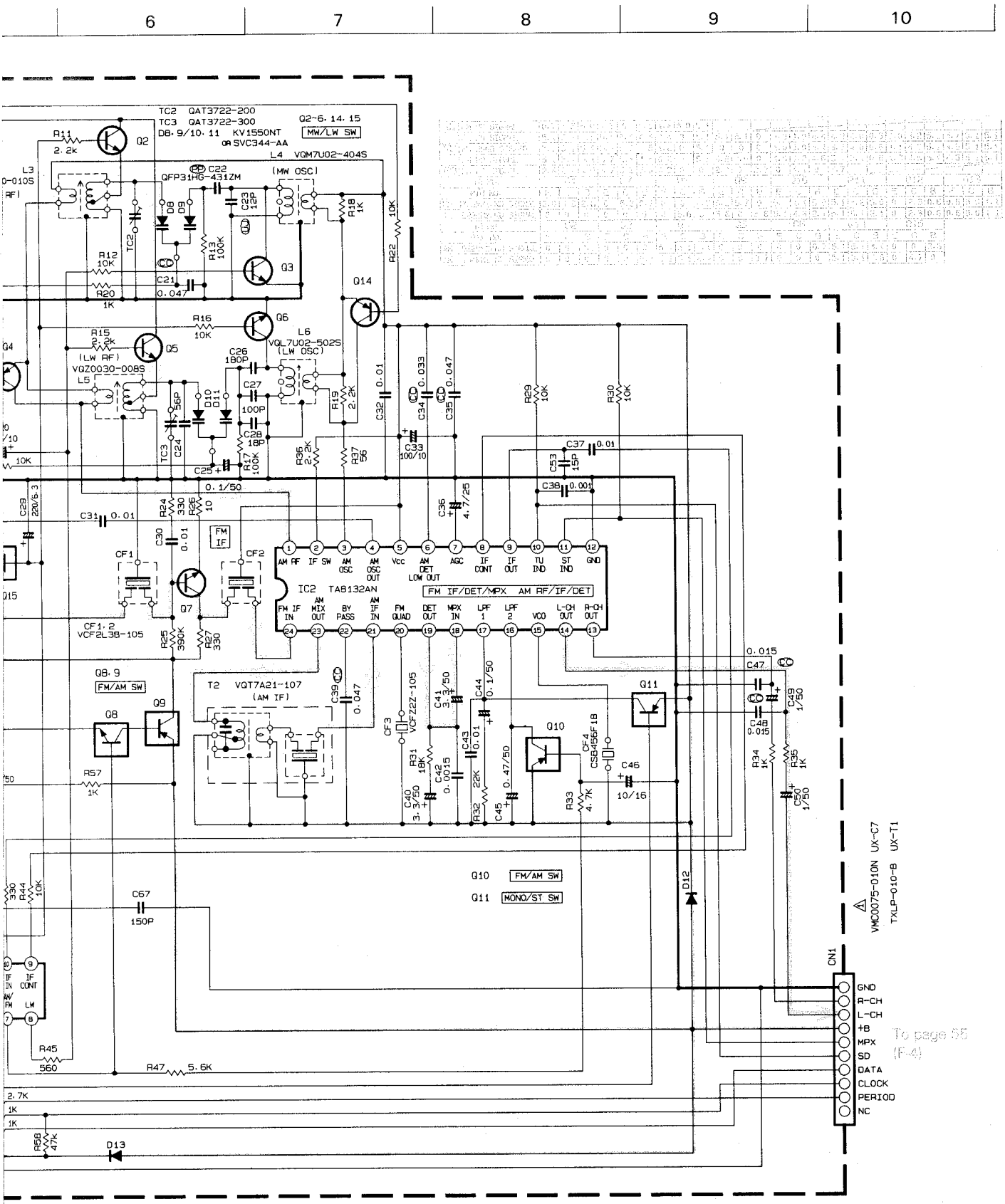
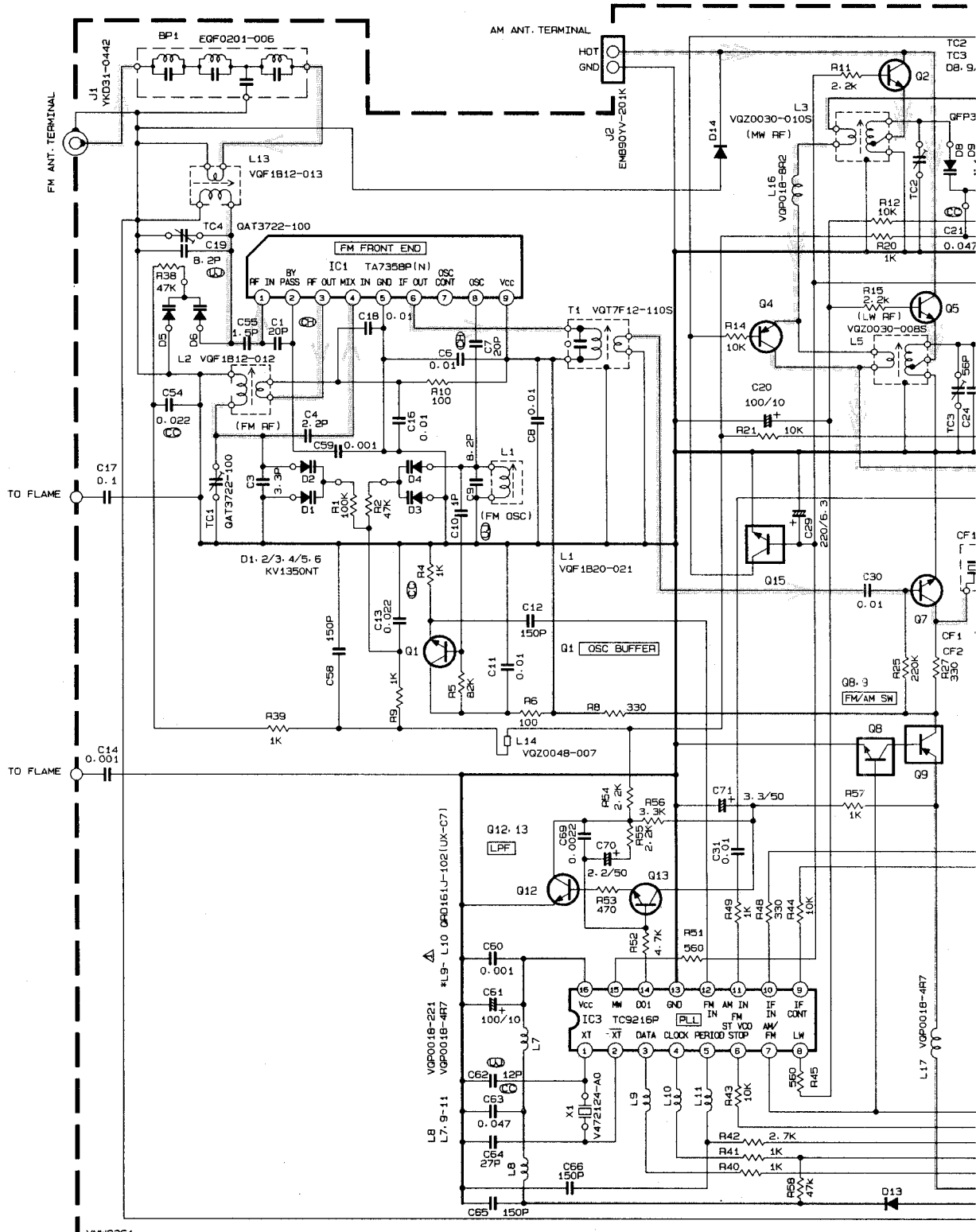

6
7
8
9
10
IC2 TA8132AN
FM IF/DET/MPX AM RF/IF/DET
CF1.2 VCF2L38-105
T2 VQT7A21-107 (AM IF)
Q8.9 FM/AM SW
Q10 FM/AM SW
Q11 MONO/ST SW
CN1
GND
R-CH
L-CH
+B
MPX
SD
DATA
CLOCK
PERIOD
NC
To page 55 (F-4)
FM Radio signal
AM Radio signal
+B Line

Fig. 11-6

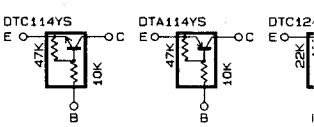
■ Tuner circuit : Drawing No. VDH9212-008TW (UX-T1 G/GI)

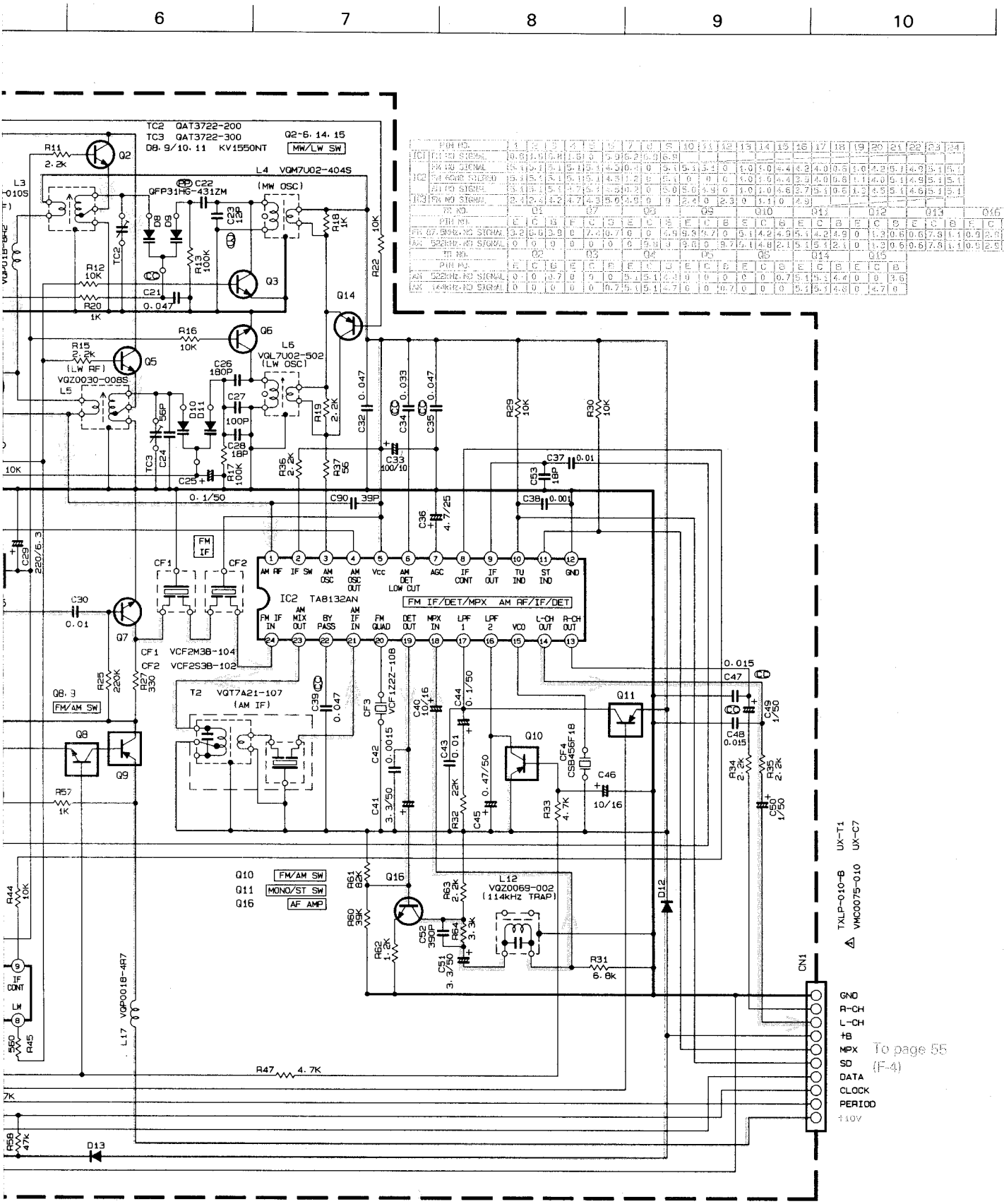


NOTES
1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER.
2. ALL RESISTORS ARE 1/6W ±5% CARBON RESISTOR.
3. ALL RESISTANCE VALUES ARE IN OHM (Ω).
4. ALL CAPACITANCE VALUES ARE IN μF (P=pF).
5. ALL E.CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE (μF)/RATED VOLTAGE (V)
6. SI.DIODES(▶|) ARE ALL 1SS254T THAT CAN BE CHANGED TO SIMILAR DIODE SUCH AS MA165 OR HSS104TJ.
7. PARTS NO. OF TRANSISTOR ARE AS FOLLOWS.

Q1. 3. 7	2SC2668(O)	Q4. 14	2SA1175(HFE)
Q6. 8. 12. 13. 16	2SC2785(E. F)	Q9~11	DTA114YS
Q8	DTC114YS	Q2. 5	2SD1302(S. T)
		Q15	DTC124ES

8. INSIDE OF DIGITAL TRANSISTORS ARE SHOWN





PIN NO.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
IC1 FM IN SIGNAL	0.6	1.0	0.8	1.6	0	3.9	6.2	5.9	6.9															
IC2 FM IN SIGNAL	5.1	4.1	5.1	5.1	4.5	0.1	0	5.1	5.1	5.1	0	1.0	1.0	4.4	4.2	4.0	0.6	1.1	4.2	5.1	4.9	5.1	5.1	
AUTO STEREO	5.1	5.1	5.1	5.1	5.1	4.5	1.2	0	5.1	0	0	0	1.0	1.0	4.4	2.3	4.0	0.6	1.1	4.0	5.1	4.9	5.1	5.1
IC3 FM IN SIGNAL	5.1	5.1	5.1	5.1	5.1	4.5	0.3	0	5.0	5.0	4.9	0	1.0	1.0	4.6	3.7	5.1	0.6	1.2	4.5	5.1	4.6	5.1	5.1
IC3 FM NO SIGNAL	5.1	5.1	5.1	4.7	4.3	5.0	4.9	0	0	2.4	0	2.3	0	1.1	0	4.9								

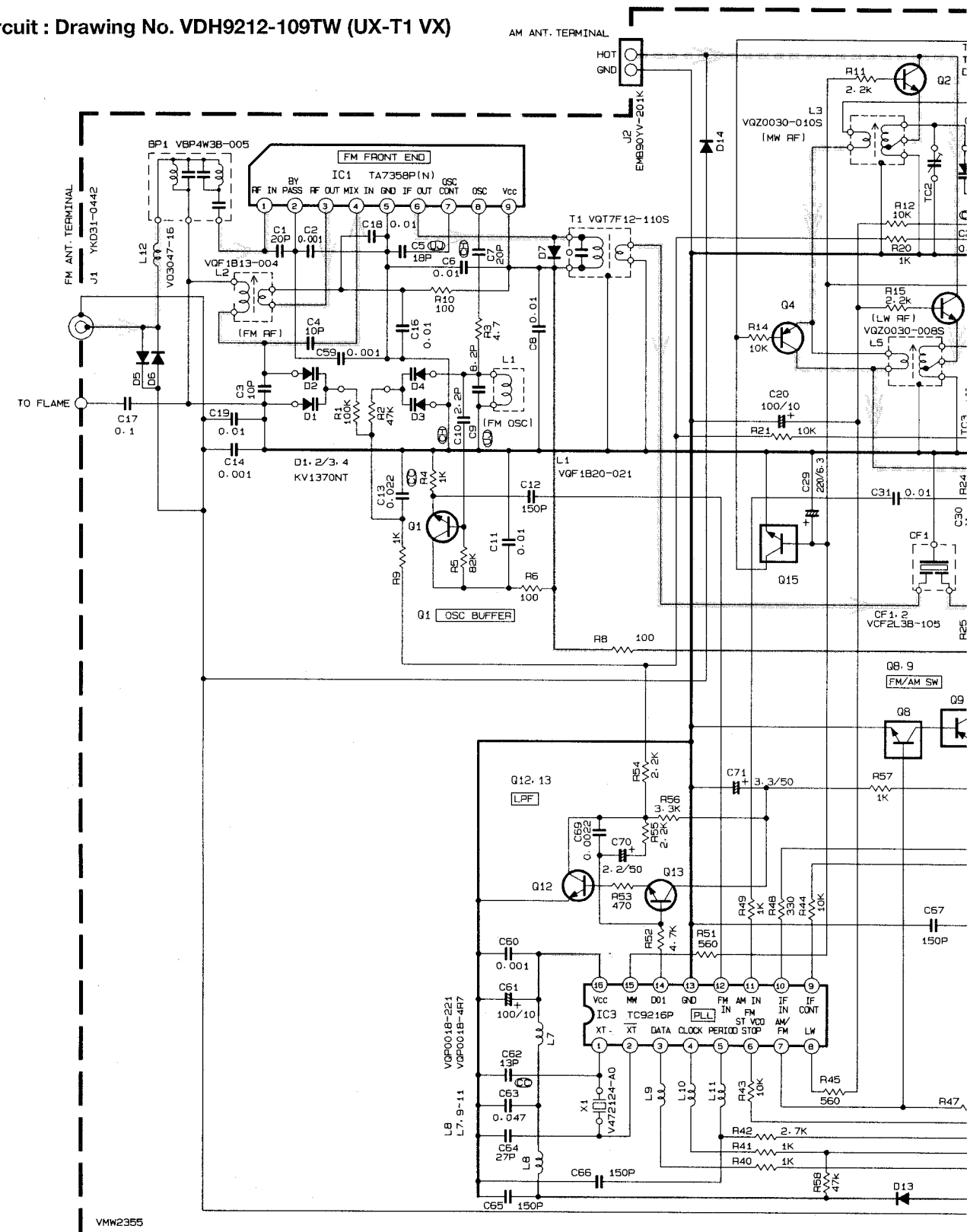
IC NO.	IC1			IC2			IC3			IC4			IC5			IC6			IC7			IC8		
PIN NO.	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B
FM IF SIGNAL	3.2	0.6	3.9	0	7.4	0.7	10	0	6.9	9.9	9.7	0	5.1	4.2	4.5	5.1	4.2	4.9	0	1.3	0.6	0.6	7.8	1.1
AM 522kHz IF SIGNAL	0	0	0	0	0	0	0	5.1	0	9.8	0	9.7	5.1	4.8	2.1	5.1	5.1	2.1	0	1.3	0.6	0.6	7.8	1.1

IC NO.	IC9			IC10			IC11			IC12			IC13			IC14			IC15			IC16		
PIN NO.	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B
AM 522kHz IF SIGNAL	0	0	0.7	0	0	0	5.1	5.1	4.4	0	0	0	0	0	0.7	5.1	5.1	4.4	0	0	3.6			
AM 144kHz IF SIGNAL	0	0	0	0	0	0.7	5.1	5.1	4.7	0	0	0.7	0	0	0	5.1	5.1	4.6	0	0	4.7	0		

IGITAL TRANSISTORS ARE SHOWN AS FOLLOWS. 9. LAST NO.
R 58 C 90 Q 15 D 14
BLANK NO.
R 3. 7. 23. 26. 28. 46. 50
C 2. 5. 15. 51. 56. 57. 67. 68. 72 ~89
D 7

Fig. 11-7

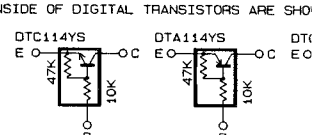
■ Tuner circuit : Drawing No. VDH9212-109TW (UX-T1 VX)

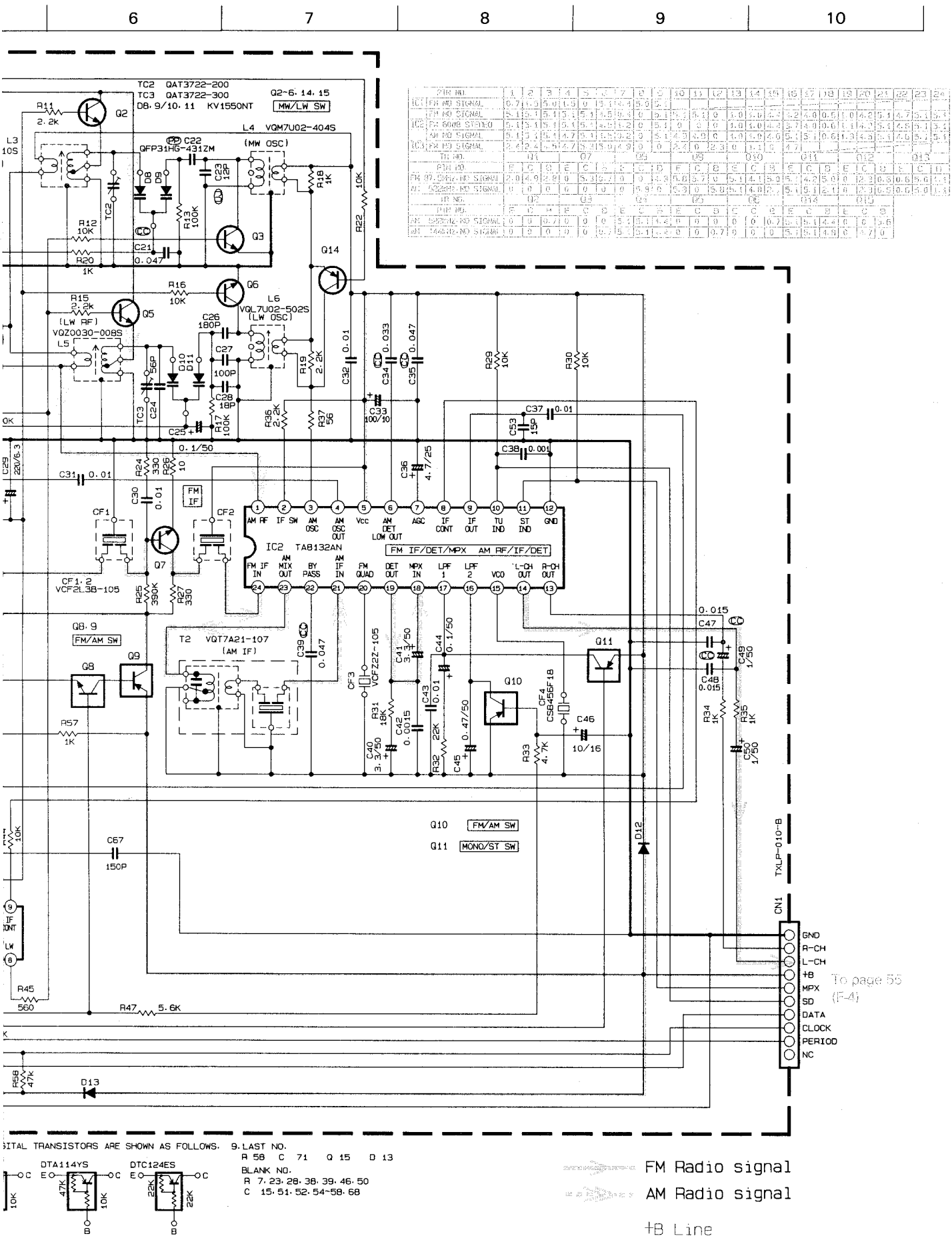


NOTES
1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER.
2. ALL RESISTORS ARE 1/6W ±5% CARBON RESISTOR.
3. ALL RESISTANCE VALUES ARE IN OHM (Ω).
4. ALL CAPACITANCE VALUES ARE IN μF (P=pF).
5. ALL E. CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE (μF)/RATED VOLTAGE (V)
6. SI. DIODES(▶|)ARE ALL 1SS254T THAT CAN BE CHANGED TO SIMILAR DIODE SUCH AS MA165 OR HSS104J.
7. PARTS NO. OF TRANSISTOR ARE AS FOLLOWS.

Q1	2SC2668(O)	Q4. 14	2SA1175(HFE)
Q6. 8. 12. 13	2SC2785(E. F)	Q9-11	DTA114YS
Q3. 7	2SC2668(O)	Q2. 5	2SD1302(S. T)
Q8	DTC114YS	Q15	DTC124ES

8. INSIDE OF DIGITAL TRANSISTORS ARE SHO





PIN NO.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
IC1 FM NO SIGNAL	0.7	1.5	5.0	1.5	0	5.1	4.4	5.0	5															
FM NO SIGNAL	5.1	5.1	5.1	5.1	5.1	4.5	0.4	0	5.1	5.1	5.1	0	1.0	1.0	4.2	5.2	4.0	0.5	1.0	4.2	5.1	4.7	5.1	5.1
IC2 FM 600Ω STEREO	5.1	5.1	5.1	5.1	5.1	4.5	1.2	0	5.1	0	0	0	1.0	1.0	4.2	5.1	4.0	0.6	1.1	4.2	5.1	4.6	5.1	5.1
AM NO SIGNAL	5.1	5.1	5.1	4.7	5.1	4.5	0.2	0	5.1	4.3	4.9	0	1.0	1.0	4.6	5.1	5.1	0.6	1.3	4.5	5.1	4.6	5.1	5.1
IC3 FM NO SIGNAL	2.4	2.4	0.5	2.7	5.2	5.0	4.9	0	0	2.2	0	2.3	0	1.1	1.0	4.7								
TU NO.					Q1				Q7				Q6				Q5				Q10			
PIN NO.	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B
FM 97.9MHz NO SIGNAL	2.0	4.9	2.9	0	5.3	5.7	0	0	4.3	5.8	5.7	0	5.1	4.1	5.0	5.1	4.2	5.0	0	2.3	0.5	0.6	5.6	5.1
AM 522kHz NO SIGNAL	0	1.0	0	0	0	1.0	0	5.9	0	5.3	0	5.0	5.1	4.8	0	5.1	5.1	2.1	0	2.3	0.5	0.6	5.0	5.1
IR NO.			Q2			Q3			Q4			Q5			Q6			Q14						
PIN NO.	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B			
AM 522kHz NO SIGNAL	0	1	0.7	0	1	0	5.1	4.4	0	1	0	0	0	0.7	5	5.1	4.8	0	1.6	1.6				
AM 1404kHz NO SIGNAL	0	1	0	0	1	0	5	5.1	4.4	0	1	0	0	0.7	0	1	0	5.1	5.1	4.8	0	1.7	1.0	

DITAL TRANSISTORS ARE SHOWN AS FOLLOWS. 9. LAST NO.
R 58 C 71 Q 15 D 13
BLANK NO.
R 7. 23. 28. 38. 39. 46. 50
C 15. 51. 52. 54~58. 68

DTA114YS DTC124ES

FM Radio signal
AM Radio signal
+B Line

Fig. 11-8

12 Location of P.C. Board Parts

■ Power Amplifier P.C. Board

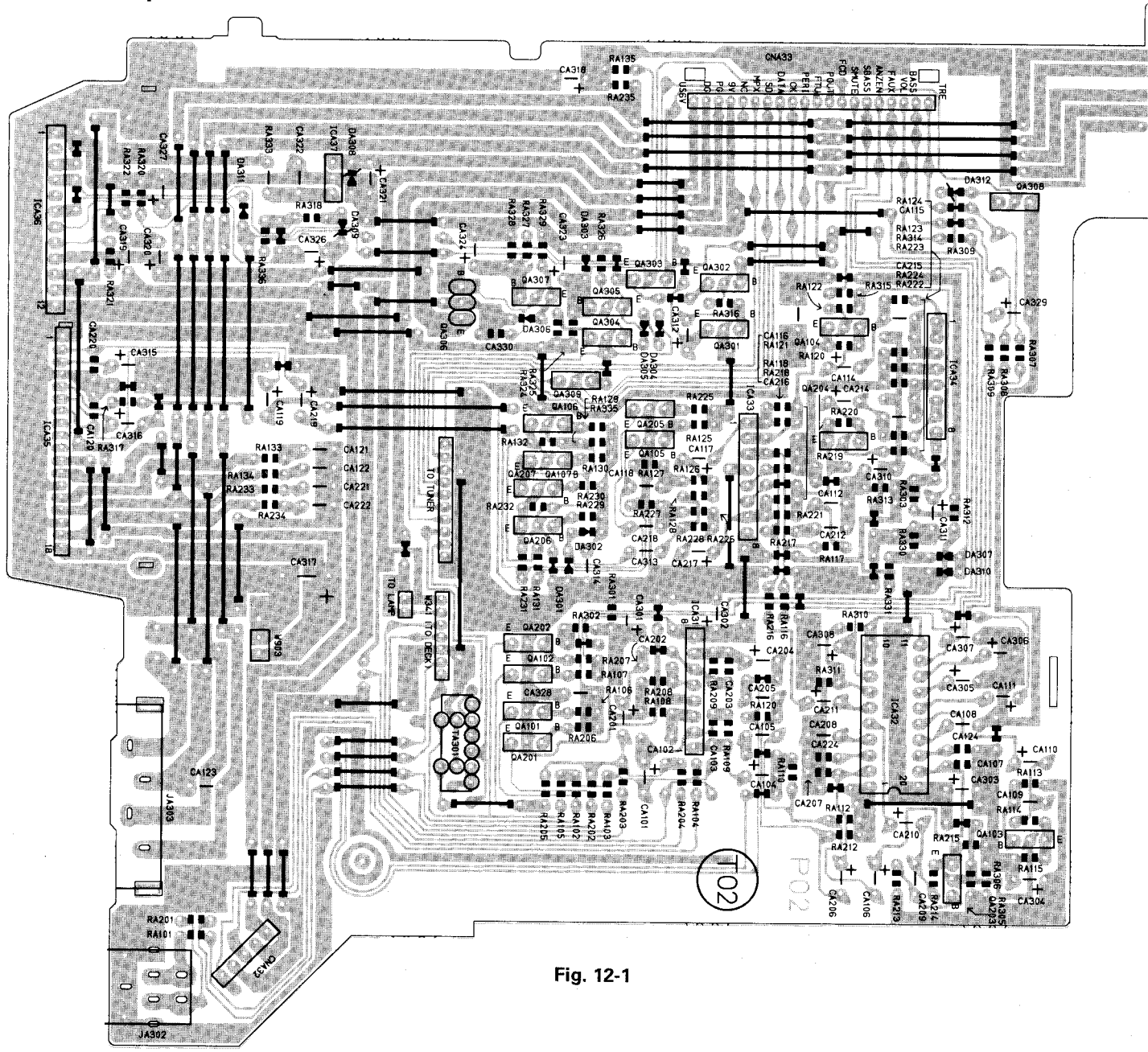


Fig. 12-1

■ Door Motor P.C. Board

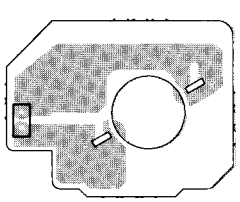


Fig. 12-3

■ Door Open Switch P.C. Board

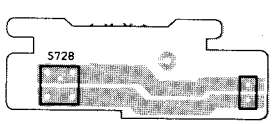


Fig. 12-4

■ Door Motor Switch P.C. Board

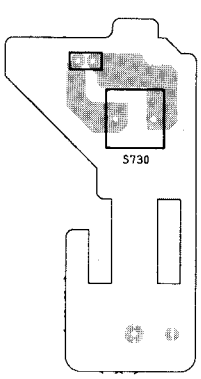


Fig. 12-5

■ Door Close Switch P.C. Board

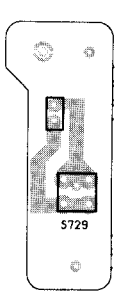


Fig. 12-6

6 7 8 9 10

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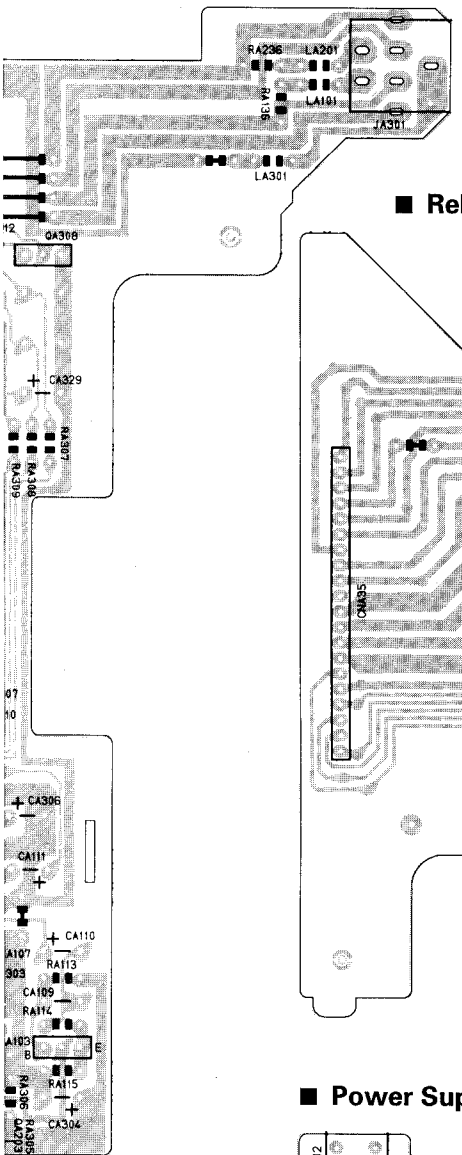

■ Relay P.C. Board

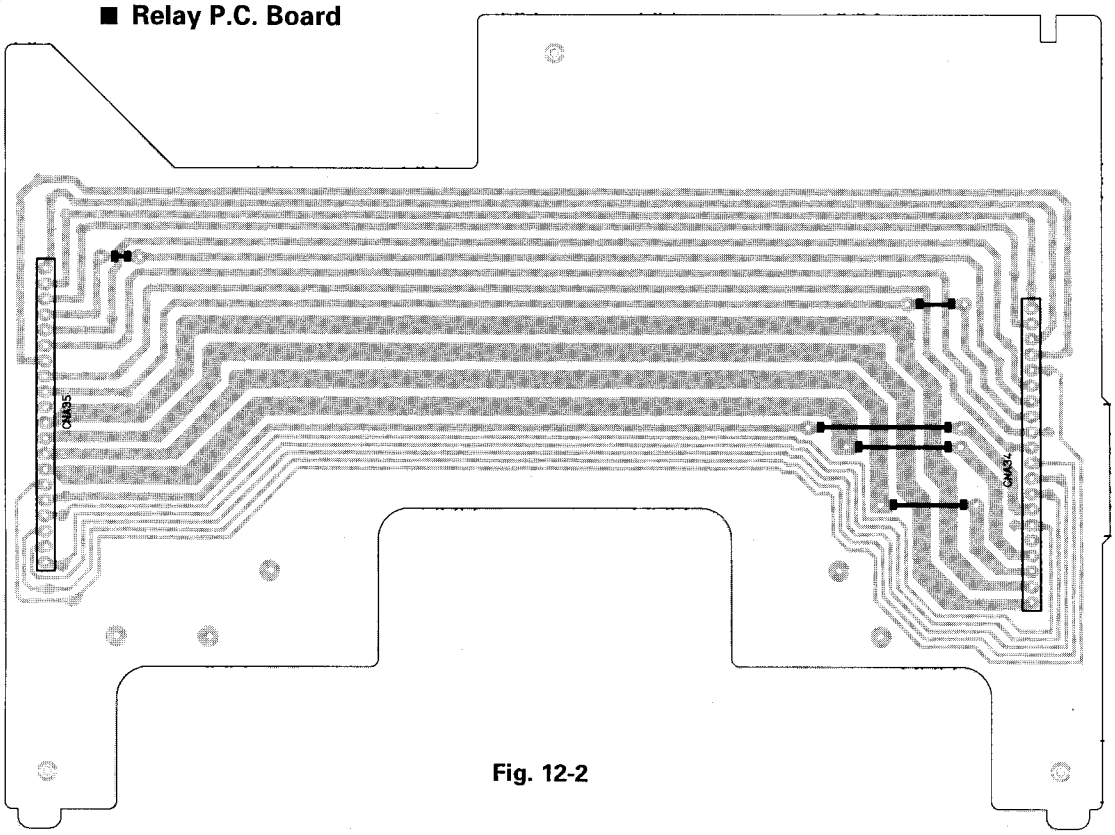

Fig. 12-2

■ Power Supply P.C. Board

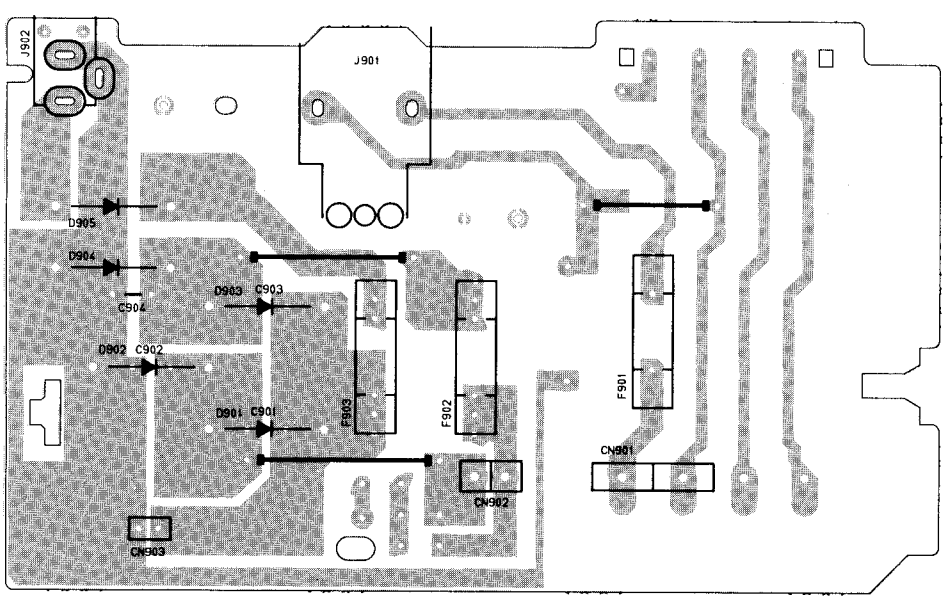

Fig. 12-7

Close Switch Board

Fig. 12-6

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■ Micro Computer P.C. Board VMV1315A

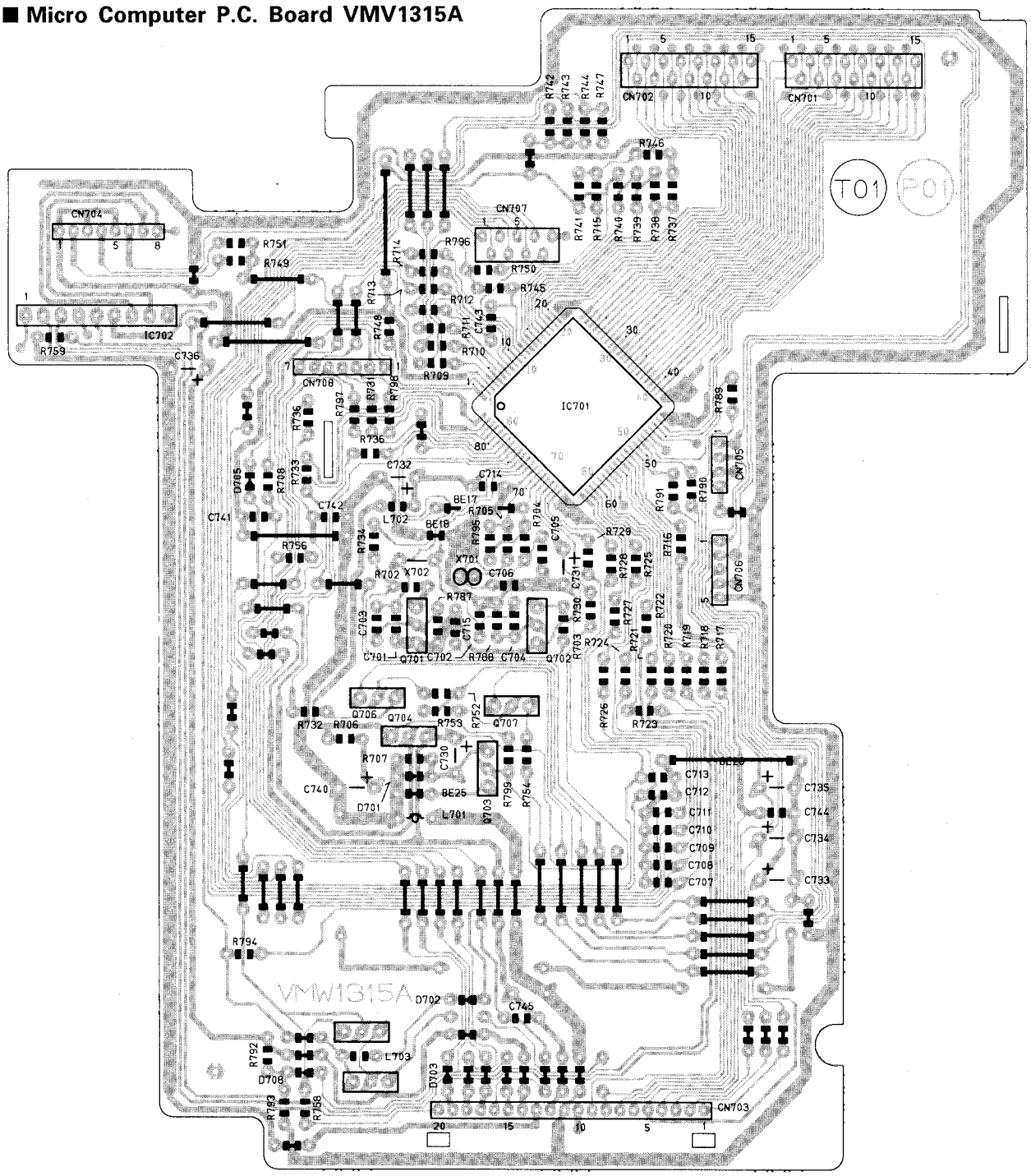

Fig. 12-8

6 7 8 9 10

■ LCD P.C. Board VMW1315B

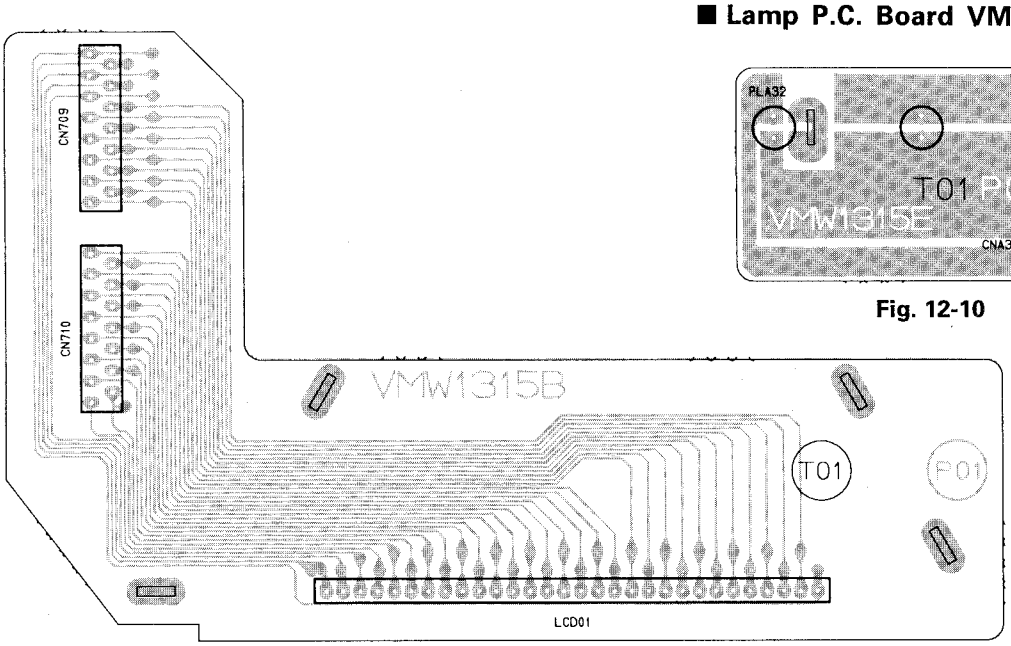

Fig. 12-9

■ Lamp P.C. Board VMW1315E

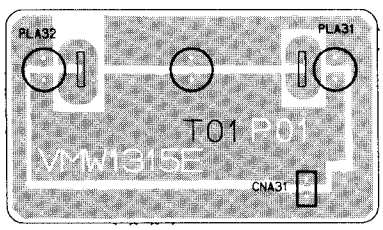

Fig. 12-10

■ Tuner/CD Switch P.C. Board VMW1315C

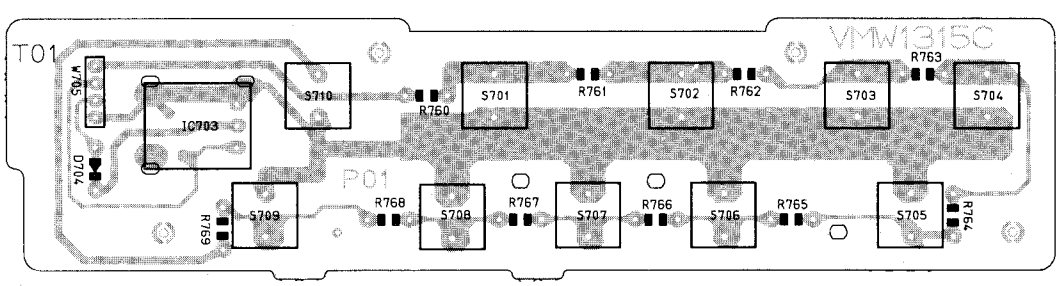

Fig. 12-11

■ Deck Amplifier Operation Switch P.C. Board VMW1315D

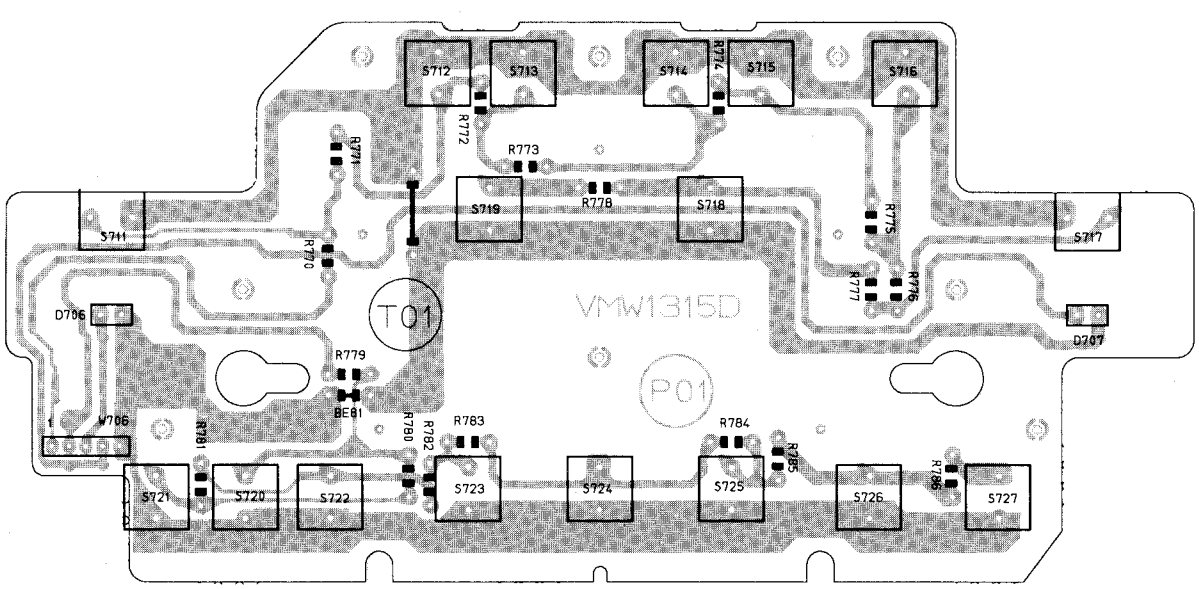

Fig. 12-12

■ Equalizer Amplifier P.C. Board VWW1316A

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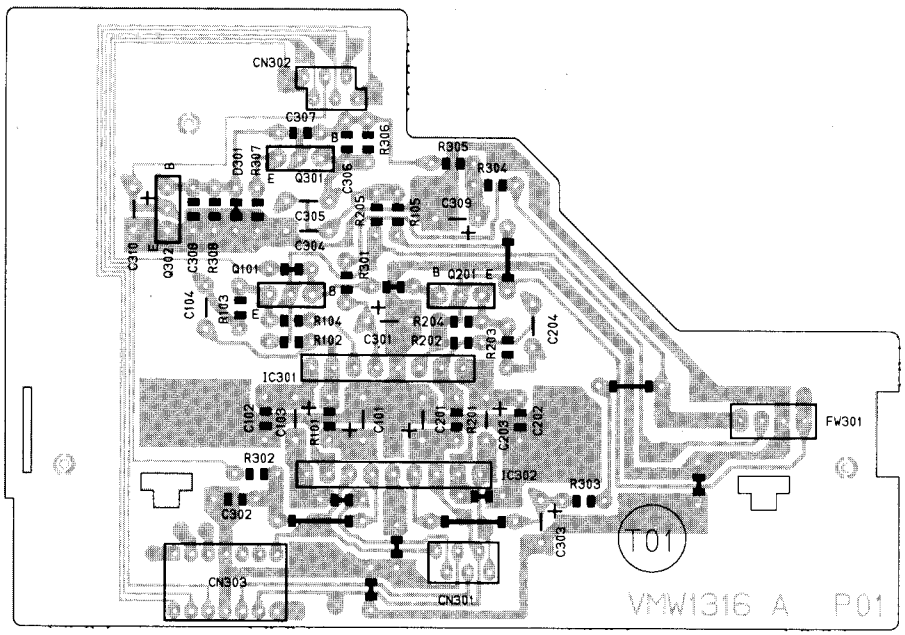

Fig. 12-13

■ Bias OSC P.C. Board VMW1316B

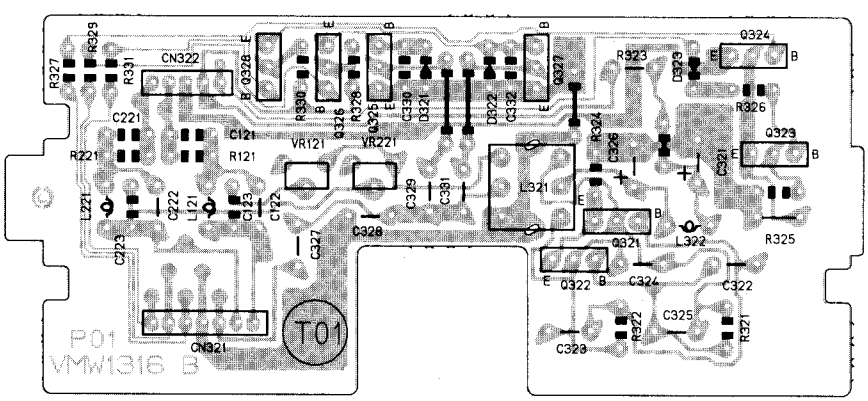

Fig. 12-14

■ Deck Control P.C. Board VMW1316E

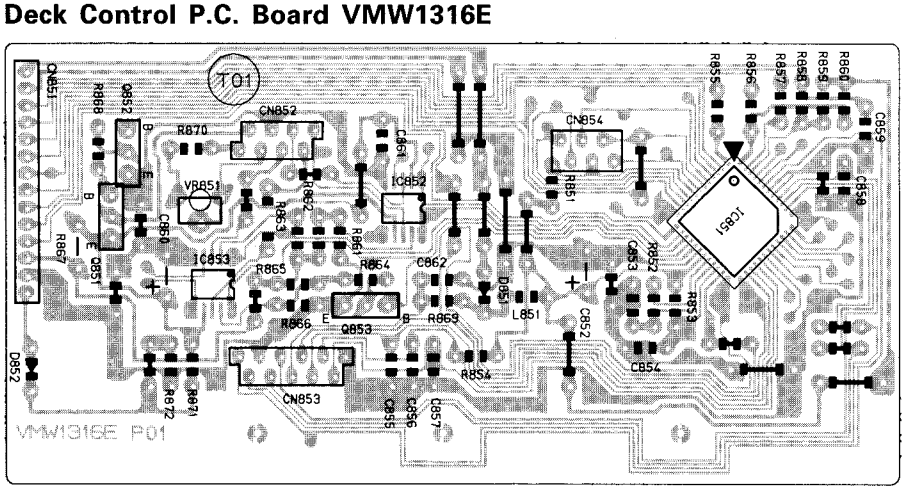

Fig. 12-15

■ Dolby P.C. Board VMW1316

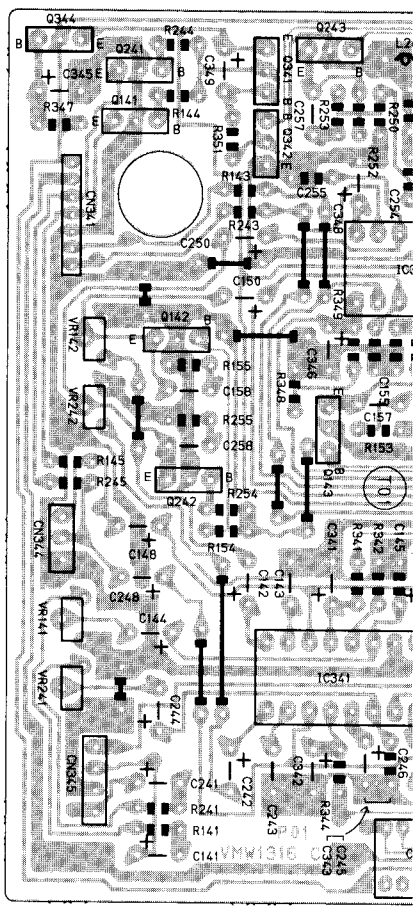

Fig. 12-16

■ Actuator/Reel Motor P.C B

: refer to page 36

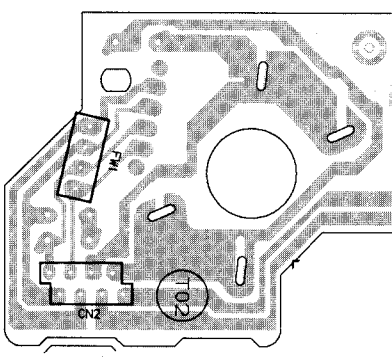

Fig. 12-17

6 7 8 9 10

■ Relay P.C. Board VMW1316D

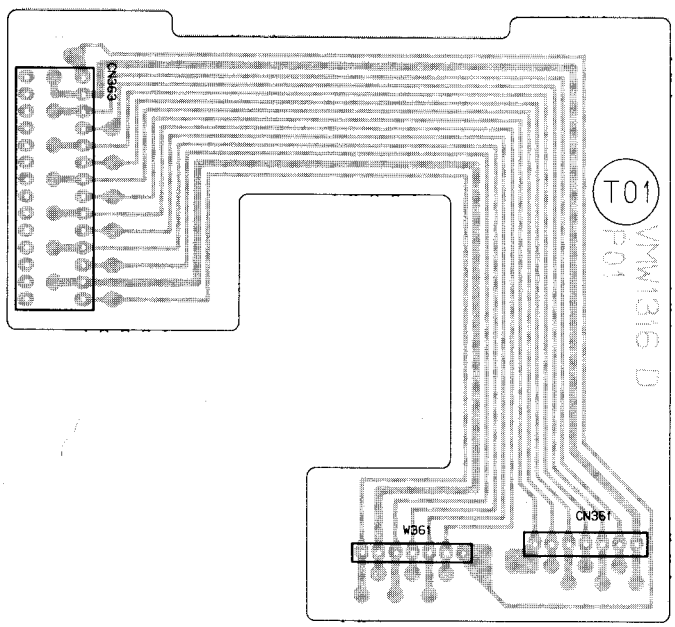

Fig. 12-18

■ Leaf Swich P.C. Board VMW1312A

: Block No. 0 6 , refer to page 36

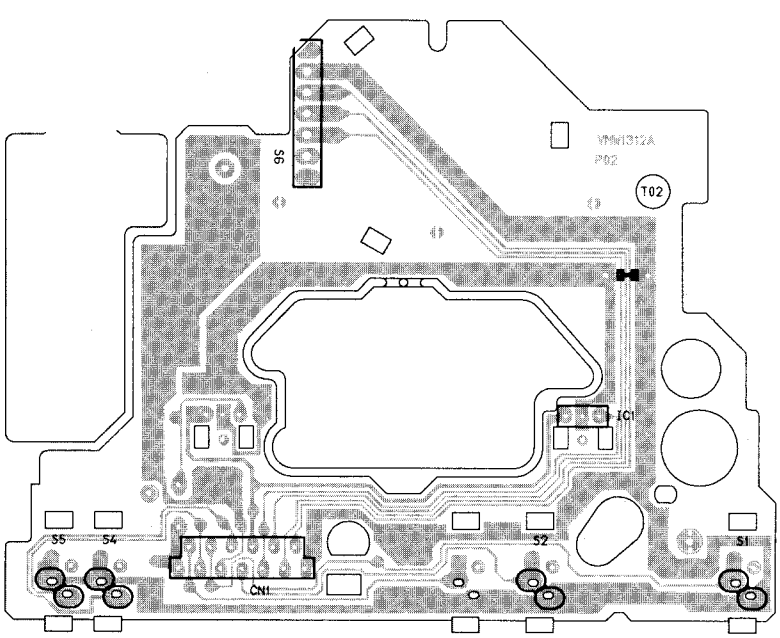

Fig. 12-19

C. Board VMW1316C

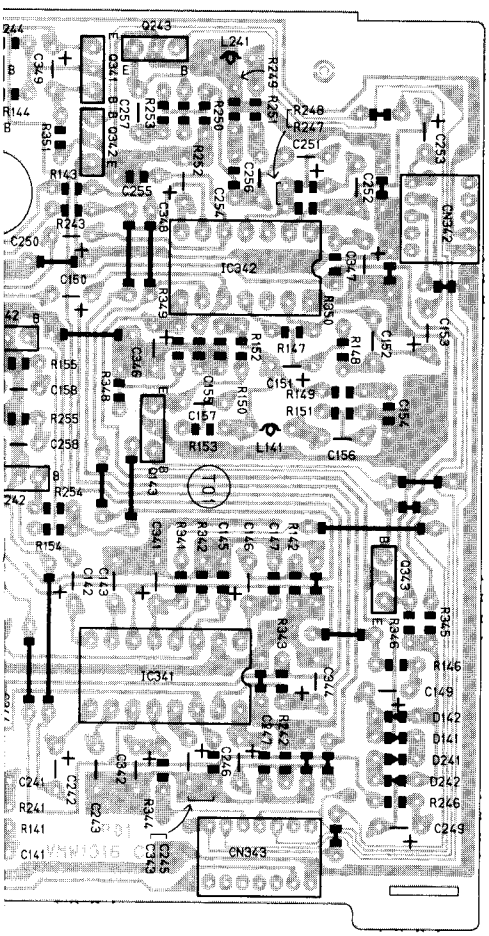

Fig. 12-16

Reel Motor P.C Board VMW1312B

age 36

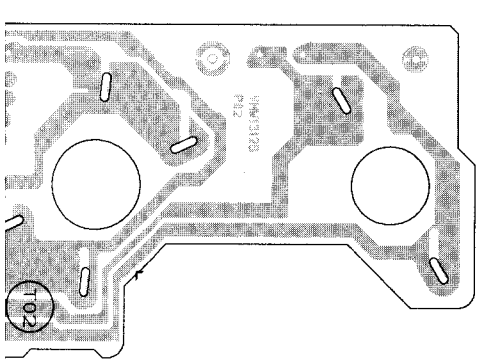

Fig. 12-17

■ CD Amplifier P.C. Board : Block No. 0 4

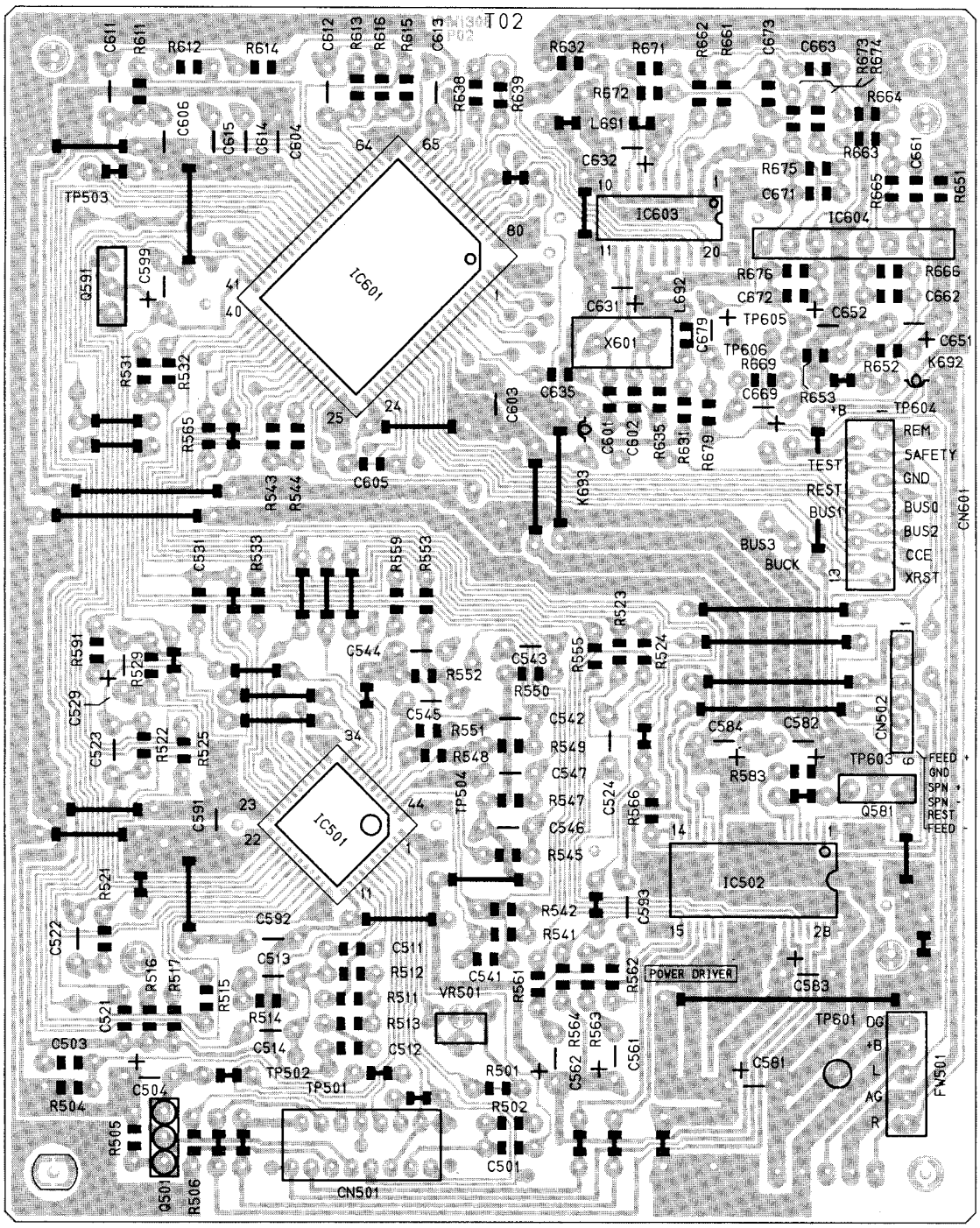

Fig. 12-20

6	7	8	9	10

■ Tuner P.C. board (UX-T1 E/EN)) : Block No. [0][5]

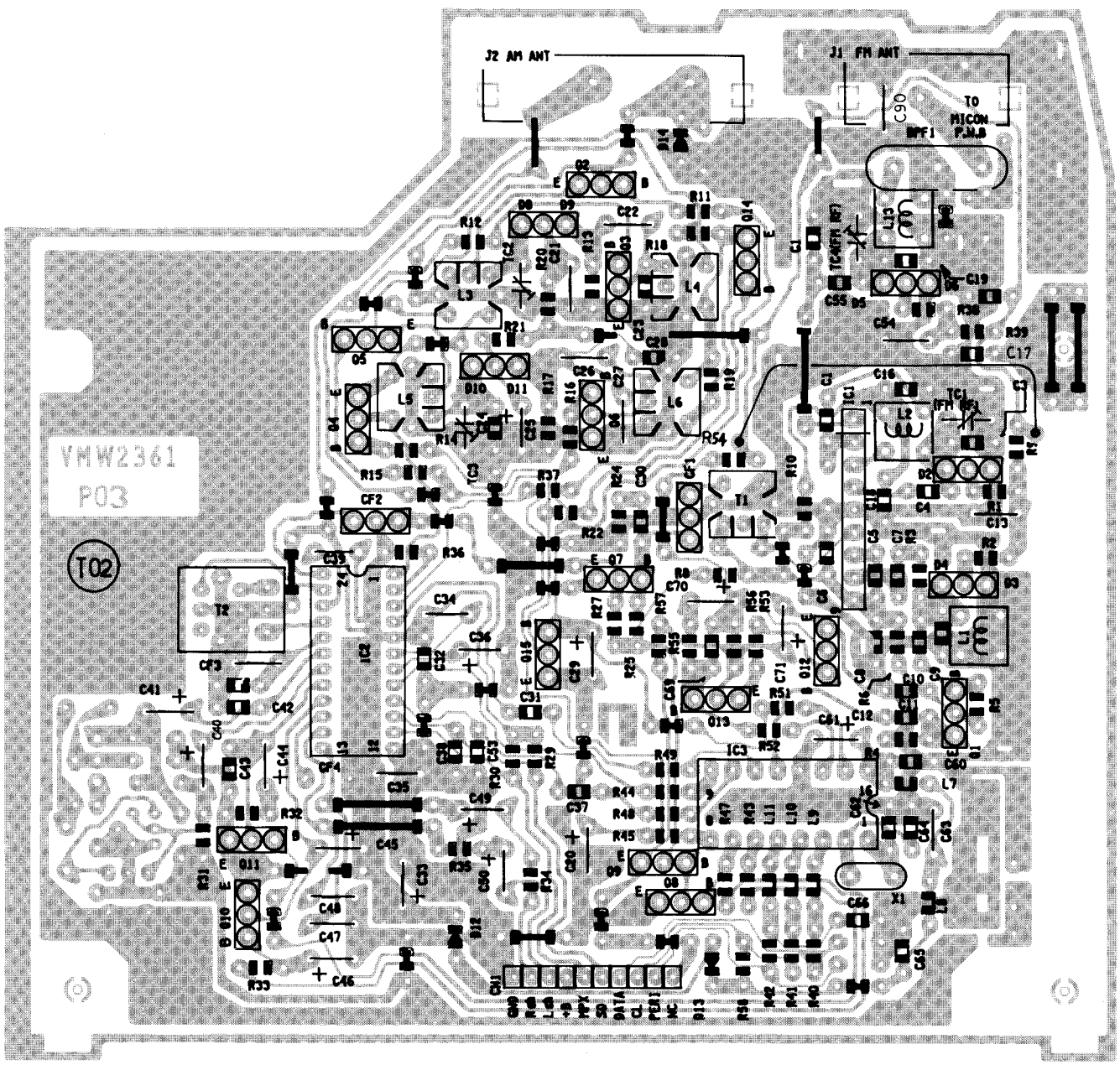

Fig. 12-21

■ Tuner P.C. board (UX-T1 VX) : Block No. 07

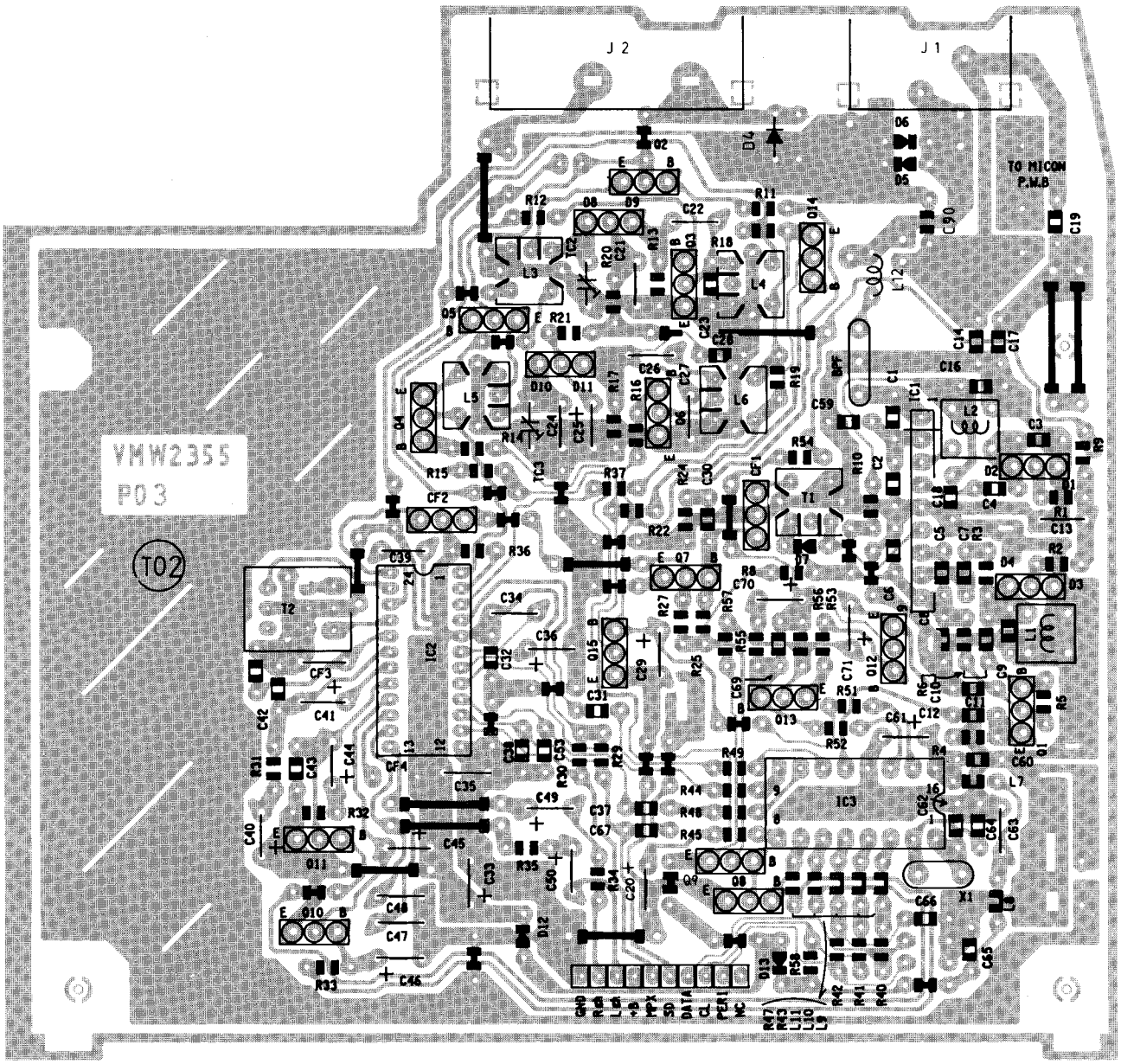

Fig. 12-22

■ Tuner P.C. board (UX-T1 G/GI) : Block No. 0 8

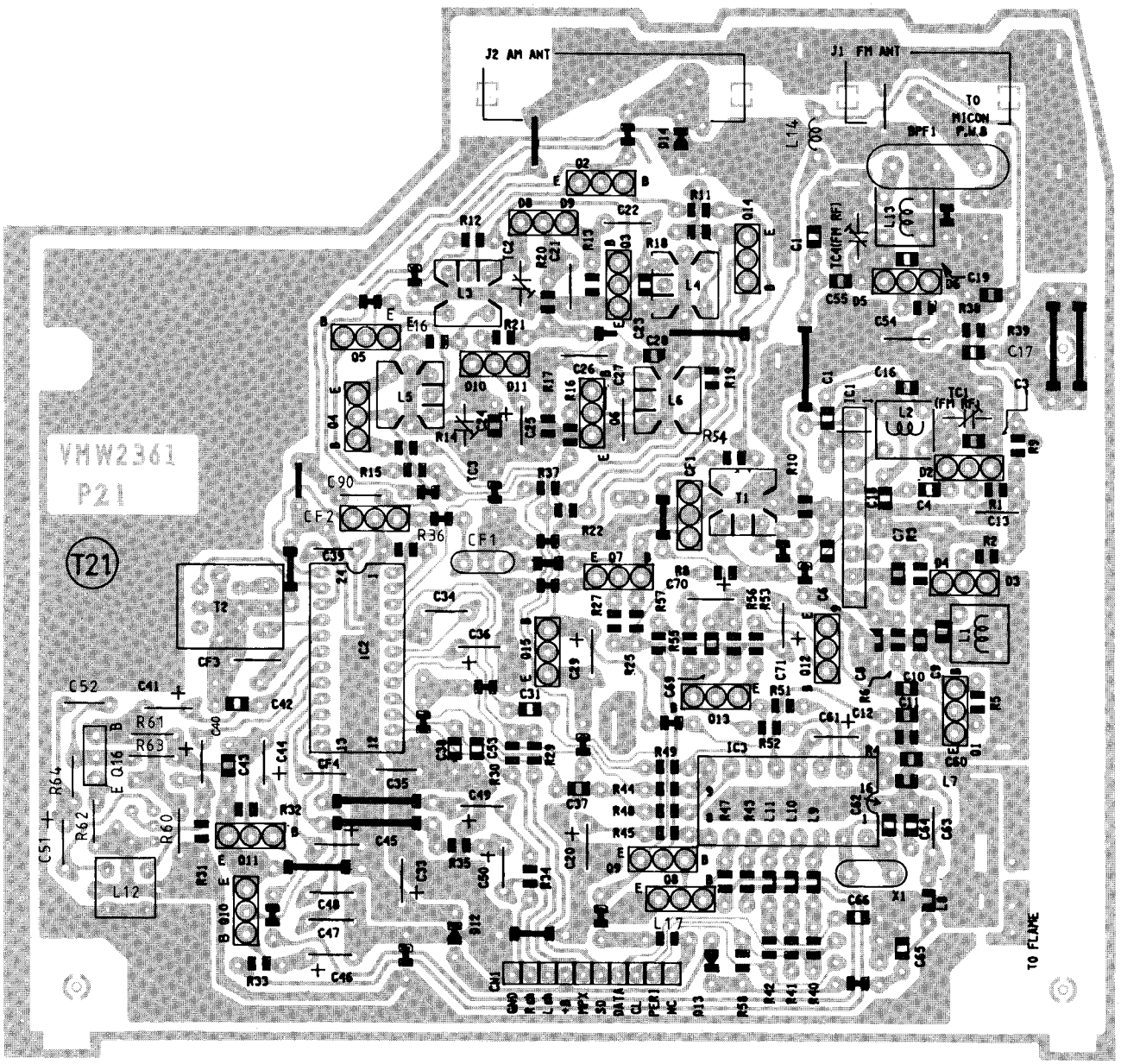

Fig. 12-23

■ Tuner P.C. board (UX-T1 B) : Block No. [0][9]

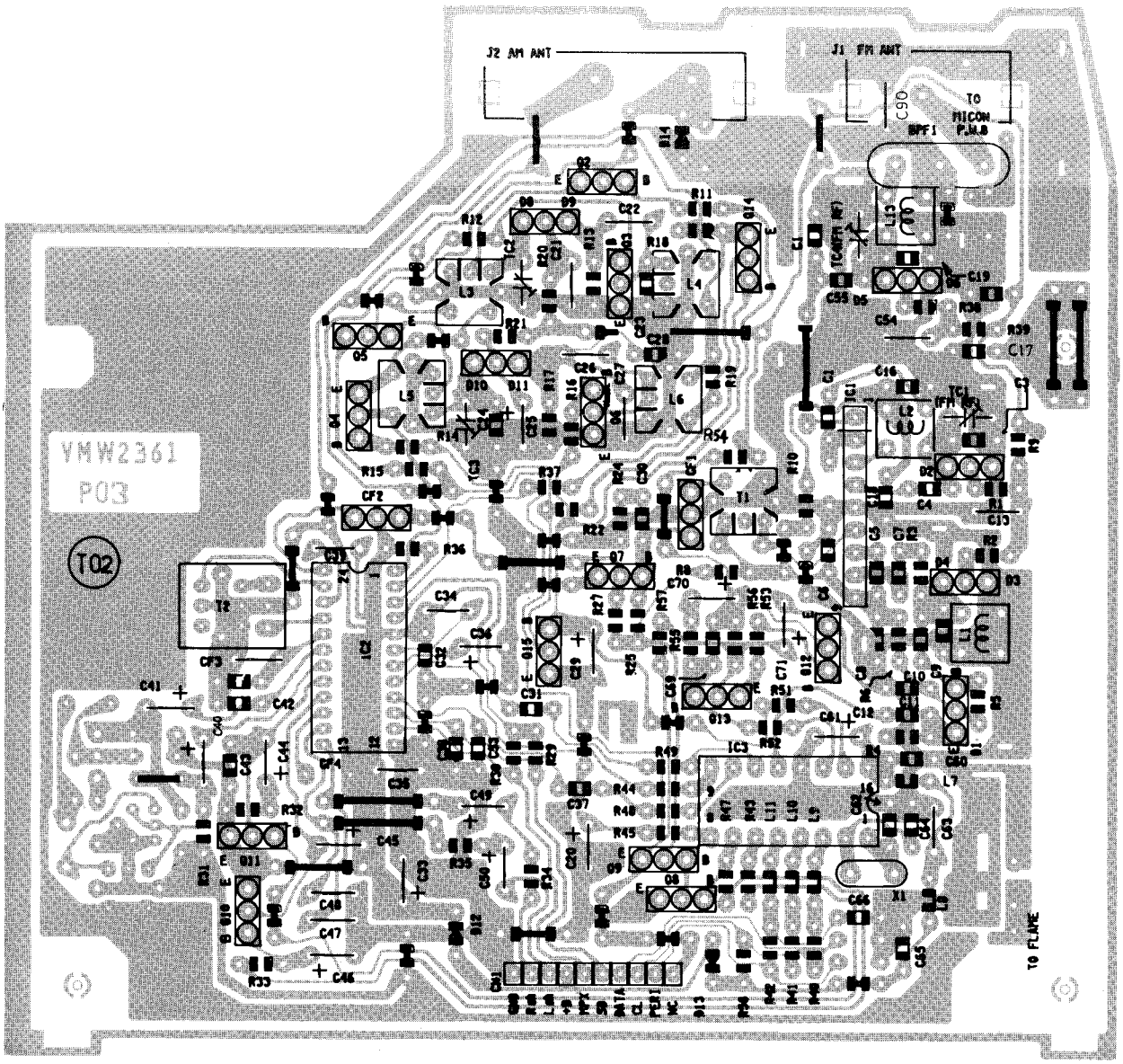

Fig. 12-24

■ Power Amplifier P.C. board

⚠Parts are safety assurance parts.
When replacing theose parts, make sure to use the soecified one.

BLOCK NO. 01

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
	C 901	QFLC1HJ-683ZM	M.CAPACITOR	.068MF 5% 50V	
	C 902	QFLC1HJ-683ZM	M.CAPACITOR	.068MF 5% 50V	
	C 903	QFLC1HJ-683ZM	M.CAPACITOR	.068MF 5% 50V	
	C 904	QFLC1HJ-683ZM	M.CAPACITOR	.068MF 5% 50V	
	CA101	QEK61HM-335ZN	E.CAPACITOR	3.3MF 20% 50V	
	CA103	QCS11HJ-330	C.CAPACITOR	33PF 5% 50V	
	CA104	QEK61HM-335ZN	E.CAPACITOR	3.3MF 20% 50V	
	CA105	QFV71HJ-683ZM	FILM CAPACITOR	.068MF 5% 50V	
	CA106	QEK41HM-105	E.CAPACITOR	1.0MF 20% 50V	
	CA107	QCBB1HK-151Y	C.CAPACITOR	150PF 10% 50V	
	CA108	QFV41HJ-333	FILM CAPACITOR	.033MF 5% 50V	
	CA109	QFV11HJ-563AZM	FILM CAPACITOR	.056MF 5% 50V	
	CA110	QEK41HM-105	E.CAPACITOR	1.0MF 20% 50V	
	CA111	QEK41CM-106	E.CAPACITOR	10MF 20% 16V	
	CA112	QFV71HJ-683ZM	FILM CAPACITOR	.068MF 5% 50V	
	CA114	QEK41HM-105	E.CAPACITOR	1.0MF 20% 50V	
	CA115	QFV11HJ-273AZM	FILM CAPACITOR	.027MF 5% 50V	
	CA116	QCVB1CM-103Y	C.CAPACITOR	.010MF 20% 16V	
	CA117	QEK41CM-226	E.CAPACITOR	22MF 20% 16V	
	CA118	QFV41HJ-104ZM	FILM CAPACITOR	.10MF 5% 50V	
	CA119	QEK41HM-225	E.CAPACITOR	2.2MF 20% 50V	
	CA120	QCBB1HK-331Y	C.CAPACITOR	330PF 10% 50V	
	CA121	QCC11EM-104V	C.CAPACITOR	.10MF 20% 25V	
	CA122	QCC11EM-104V	C.CAPACITOR	.10MF 20% 25V	
	CA124	QCXB1CM-392Y	C.CAPACITOR	3900PF 20% 16V	
	CA201	QEK61HM-335ZN	E.CAPACITOR	3.3MF 20% 50V	
	CA203	QCS11HJ-330	C.CAPACITOR	33PF 5% 50V	
	CA204	QEK61HM-335ZN	E.CAPACITOR	3.3MF 20% 50V	
	CA205	QFV71HJ-683ZM	FILM CAPACITOR	.068MF 5% 50V	
	CA206	QEK41HM-105	E.CAPACITOR	1.0MF 20% 50V	
	CA207	QCBB1HK-151Y	C.CAPACITOR	150PF 10% 50V	
	CA208	QFV41HJ-333	FILM CAPACITOR	.033MF 5% 50V	
	CA209	QFV11HJ-563AZM	FILM CAPACITOR	.056MF 5% 50V	
	CA210	QEK41HM-105	E.CAPACITOR	1.0MF 20% 50V	
	CA211	QEK41CM-106	E.CAPACITOR	10MF 20% 16V	
	CA212	QFV71HJ-683ZM	FILM CAPACITOR	.068MF 5% 50V	
	CA214	QEK41HM-105	E.CAPACITOR	1.0MF 20% 50V	
	CA215	QFV11HJ-273AZM	FILM CAPACITOR	.027MF 5% 50V	
	CA216	QCVB1CM-103Y	C.CAPACITOR	.010MF 20% 16V	
	CA217	QEK41CM-226	E.CAPACITOR	22MF 20% 16V	
	CA218	QFV41HJ-104ZM	FILM CAPACITOR	.10MF 5% 50V	
	CA219	QEK41HM-225	E.CAPACITOR	2.2MF 20% 50V	
	CA220	QCBB1HK-331Y	C.CAPACITOR	330PF 10% 50V	
	CA221	QCC11EM-104V	C.CAPACITOR	.10MF 20% 25V	
	CA222	QCC11EM-104V	C.CAPACITOR	.10MF 20% 25V	
	CA224	QCXB1CM-392Y	C.CAPACITOR	3900PF 20% 16V	
	CA301	QEK41CM-226	E.CAPACITOR	22MF 20% 16V	
	CA302	QEK41CM-226	E.CAPACITOR	22MF 20% 16V	
	CA303	QEK41CM-476	E.CAPACITOR	47MF 20% 16V	
	CA304	QEK41CM-226	E.CAPACITOR	22MF 20% 16V	
	CA305	QEK41CM-476	E.CAPACITOR	47MF 20% 16V	
	CA306	QEK41HM-105	E.CAPACITOR	1.0MF 20% 50V	
	CA307	QEK41HM-105	E.CAPACITOR	1.0MF 20% 50V	
	CA308	QEK41HM-474	E.CAPACITOR	.47MF 20% 50V	
	CA310	QEK41CM-226	E.CAPACITOR	22MF 20% 16V	

BLOCK NO. 01

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
	CA311	QEK41HM-105	E.CAPACITOR	1.0MF 20% 50V	
	CA312	QEK41CM-106	E.CAPACITOR	10MF 20% 16V	
	CA313	QFV41HJ-104ZM	FILM CAPACITOR	.10MF 5% 50V	
	CA314	QFV11HJ-393AZM	FILM CAPACITOR	.039MF 5% 50V	
	CA315	QET41CM-107	E.CAPACITOR	100MF 20% 16V	
	CA316	QET41CM-107	E.CAPACITOR	100MF 20% 16V	
⚠	CA317	QETB1EM-688N	E.CAPACITOR	6800MF 20% 25V	
	CA318	QET41AM-227	E.CAPACITOR	220MF 20% 10V	
	CA319	QEK41CM-106	E.CAPACITOR	10MF 20% 16V	
	CA320	QEK41CM-106	E.CAPACITOR	10MF 20% 16V	
	CA321	QEK41CM-106	E.CAPACITOR	10MF 20% 16V	
	CA322	QFV41HJ-104ZM	FILM CAPACITOR	.10MF 5% 50V	
	CA323	QEK41CM-106	E.CAPACITOR	10MF 20% 16V	
	CA324	QEK41CM-106	E.CAPACITOR	10MF 20% 16V	
	CA326	QEK41HM-105	E.CAPACITOR	1.0MF 20% 50V	
	CA327	QEK41EM-475	E.CAPACITOR	4.7MF 20% 25V	
	CA328	QFV41HJ-333	FILM CAPACITOR	.033MF 5% 50V	
	CA329	QEK41HM-225	E.CAPACITOR	2.2MF 20% 50V	
	CA330	QCVB1CM-103Y	C.CAPACITOR	.010MF 20% 16V	
	CNA31	TXLL-002-M	CONNECTOR	TO LAMP	
	CNA32	VMC0107-R05	SOCKET	TO CD	
	CNA33	VMC0288-S20	CONNECTOR	TO RELAY	
	CNA34	VMC0288-P20	CONNECTOR	TO MAIN	
	CNA35	VMC0288-P20	CONNECTOR	TO MICOM	
⚠	CN901	VMZ0076-002A	CONNECTOR	TO TRANS	
⚠	CN902	VMZ0076-002	CONNECTOR	FROM TRANS	
⚠	CN903	TTL25L-002	CONNECTOR	TO AMP	
⚠	D 901	1N5401M	SI DIODE		
⚠	D 902	1N5401M	SI DIODE		
⚠	D 903	1N5401M	SI DIODE		
⚠	D 904	1N5401M	SI DIODE		
⚠	D 905	1N5401M	SI DIODE		
	DA301	RB721Q	DIODE		
	DA302	RB721Q	DIODE		
⚠	DA303	MTZ5.6JA	ZENER DIODE		
	DA304	1SS133	SI DIODE		
	DA305	1SS133	SI DIODE		
⚠	DA306	MTZ5.1JB	ZENER DIODE		
	DA307	1SS133	SI DIODE		
⚠	DA308	MTZ8.2JB	ZENER DIODE		
	DA309	MTZ9.1JA	ZENER DIODE		
	DA310	1SS133	SI DIODE		
	DA311	1SS133	SI DIODE		
	DA312	MTZ12JB	ZENER DIODE		
	ICA31	VC4580L	IC	FUNCTION	
	ICA32	TA8184P	IC	VOL/TONE	
	ICA33	BA15218N	IC	BASS BOOST	
	ICA34	VC4580L	IC	BASS BOOST	
⚠	ICA35	LA4705	IC	POWER AMP	
⚠	ICA36	BA3960	IC	REGULATOR	
⚠	ICA37	UPC78L06J	IC	US6V	
⚠	J 901	QMC0263-004BS	AC SOCKET	AC IN	
⚠	J 902	QMA431B-V01	FILM CAPACITOR	DC IN(12V)	
	JA301	VMJ4024-001	JACK	HEAD PHONE	
	JA302	VMJ4024-001	JACK	AUX	

BLOCK NO. 01

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
⚠	JA303	VMJ4041-001	SPK.TERMINAL		
	QA101	2SD1302	TRANSISTOR		
	QA102	2SC2785	TRANSISTOR		
	QA103	2SC2785	TRANSISTOR		
	QA104	2SK301(P,Q)	TRANSISTOR(FET)		
	QA105	2SD1302	TRANSISTOR		
	QA106	2SC2001(L,K)	TRANSISTOR		
	QA107	2SC2001(L,K)	TRANSISTOR		
	QA201	2SD1302	TRANSISTOR		
	QA202	2SC2785	TRANSISTOR		
	QA203	2SC2785	TRANSISTOR		
	QA204	2SK301(P,Q)	TRANSISTOR(FET)		
	QA205	2SD1302	TRANSISTOR		
	QA206	2SC2001(L,K)	TRANSISTOR		
	QA207	2SC2001(L,K)	TRANSISTOR		
	QA301	DTA143ES	TRANSISTOR		
	QA302	DTC115ES	TRANSISTOR		
	QA303	DTC115ES	TRANSISTOR		
⚠	QA304	2SA1175	TRANSISTOR		
	QA305	2SC2785	TRANSISTOR		
⚠	QA306	2SB772(Q,P)	TRANSISTOR		
	QA307	2SC2785	TRANSISTOR		
	QA308	DTC143ES	TRANSISTOR		
	QA309	DTC144TS	TRANSISTOR		
	RA101	QRD161J-683	CARBON RESISTOR	68K 5% 1/6W	
	RA102	QRD167J-562	CARBON RESISTOR	5.6K 5% 1/6W	
	RA103	QRD161J-473	CARBON RESISTOR	47K 5% 1/6W	
	RA104	QRD161J-273	CARBON RESISTOR	27K 5% 1/6W	
	RA105	QRD167J-682	CARBON RESISTOR	6.8K 5% 1/6W	
	RA106	QRD161J-471	CARBON RESISTOR	470 5% 1/6W	
	RA107	QRD161J-223	CARBON RESISTOR	22K 5% 1/6W	
	RA109	QRD161J-104	CARBON RESISTOR	100K 5% 1/6W	
	RA110	QRD161J-123	CARBON RESISTOR	12K 5% 1/6W	
	RA112	QRD167J-562	CARBON RESISTOR	5.6K 5% 1/6W	
	RA113	QRD161J-683	CARBON RESISTOR	68K 5% 1/6W	
	RA114	QRD161J-222	CARBON RESISTOR	2.2K 5% 1/6W	
	RA115	QRD161J-102	CARBON RESISTOR	1.0K 5% 1/6W	
	RA116	QRD161J-822	CARBON RESISTOR	8.2K 5% 1/6W	
	RA117	QRD167J-332	CARBON RESISTOR	3.3K 5% 1/6W	
	RA118	QRD161J-334	CARBON RESISTOR	330K 5% 1/6W	
	RA120	QRD161J-104	CARBON RESISTOR	100K 5% 1/6W	
	RA121	QRD167J-332	CARBON RESISTOR	3.3K 5% 1/6W	
	RA122	QRD161J-105	CARBON RESISTOR	1.0M 5% 1/6W	
	RA123	QRD161J-334	CARBON RESISTOR	330K 5% 1/6W	
	RA124	QRD161J-621	CARBON RESISTOR	620 5% 1/6W	
	RA125	QRD161J-102	CARBON RESISTOR	1.0K 5% 1/6W	
	RA126	QRD161J-102	CARBON RESISTOR	1.0K 5% 1/6W	
	RA127	QRD161J-471	CARBON RESISTOR	470 5% 1/6W	
	RA128	QRD161J-472	CARBON RESISTOR	4.7K 5% 1/6W	
	RA129	QRD161J-475	CARBON RESISTOR	4.7M 5% 1/6W	
	RA130	QRD161J-475	CARBON RESISTOR	4.7M 5% 1/6W	
	RA131	QRD161J-222	CARBON RESISTOR	2.2K 5% 1/6W	
	RA132	QRD161J-474	CARBON RESISTOR	470K 5% 1/6W	
	RA133	QRD161J-2R2	CARBON RESISTOR	2.2 5% 1/6W	
	RA134	QRD161J-2R2	CARBON RESISTOR	2.2 5% 1/6W	

BLOCK NO. 01

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
	RA135	QRD161J-471	CARBON RESISTOR	470 5% 1/6W	
	RA136	QRD161J-151	CARBON RESISTOR	150 5% 1/6W	
	RA201	QRD161J-683	CARBON RESISTOR	68K 5% 1/6W	
	RA202	QRD167J-562	CARBON RESISTOR	5.6K 5% 1/6W	
	RA203	QRD161J-473	CARBON RESISTOR	47K 5% 1/6W	
	RA204	QRD161J-273	CARBON RESISTOR	27K 5% 1/6W	
	RA205	QRD167J-682	CARBON RESISTOR	6.8K 5% 1/6W	
	RA206	QRD161J-471	CARBON RESISTOR	470 5% 1/6W	
	RA207	QRD161J-223	CARBON RESISTOR	22K 5% 1/6W	
	RA209	QRD161J-104	CARBON RESISTOR	100K 5% 1/6W	
	RA210	QRD161J-123	CARBON RESISTOR	12K 5% 1/6W	
	RA212	QRD167J-562	CARBON RESISTOR	5.6K 5% 1/6W	
	RA213	QRD161J-683	CARBON RESISTOR	68K 5% 1/6W	
	RA214	QRD161J-222	CARBON RESISTOR	2.2K 5% 1/6W	
	RA215	QRD161J-102	CARBON RESISTOR	1.0K 5% 1/6W	
	RA216	QRD161J-822	CARBON RESISTOR	8.2K 5% 1/6W	
	RA217	QRD167J-332	CARBON RESISTOR	3.3K 5% 1/6W	
	RA218	QRD161J-334	CARBON RESISTOR	330K 5% 1/6W	
	RA220	QRD161J-104	CARBON RESISTOR	100K 5% 1/6W	
	RA221	QRD167J-332	CARBON RESISTOR	3.3K 5% 1/6W	
	RA222	QRD161J-105	CARBON RESISTOR	1.0M 5% 1/6W	
	RA223	QRD161J-334	CARBON RESISTOR	330K 5% 1/6W	
	RA224	QRD161J-621	CARBON RESISTOR	620 5% 1/6W	
	RA225	QRD161J-102	CARBON RESISTOR	1.0K 5% 1/6W	
	RA226	QRD161J-102	CARBON RESISTOR	1.0K 5% 1/6W	
	RA227	QRD161J-471	CARBON RESISTOR	470 5% 1/6W	
	RA228	QRD161J-472	CARBON RESISTOR	4.7K 5% 1/6W	
	RA229	QRD161J-475	CARBON RESISTOR	4.7M 5% 1/6W	
	RA230	QRD161J-475	CARBON RESISTOR	4.7M 5% 1/6W	
	RA231	QRD161J-222	CARBON RESISTOR	2.2K 5% 1/6W	
	RA232	QRD161J-474	CARBON RESISTOR	470K 5% 1/6W	
	RA233	QRD161J-2R2	CARBON RESISTOR	2.2 5% 1/6W	
	RA234	QRD161J-2R2	CARBON RESISTOR	2.2 5% 1/6W	
	RA235	QRD161J-471	CARBON RESISTOR	470 5% 1/6W	
	RA236	QRD161J-151	CARBON RESISTOR	150 5% 1/6W	
	RA301	QRD161J-473	CARBON RESISTOR	47K 5% 1/6W	
	RA302	QRD161J-393	CARBON RESISTOR	39K 5% 1/6W	
	RA303	QRD161J-470	CARBON RESISTOR	47 5% 1/6W	
	RA305	QRD161J-823	CARBON RESISTOR	82K 5% 1/6W	
	RA306	QRD161J-273	CARBON RESISTOR	27K 5% 1/6W	
	RA307	QRD161J-104	CARBON RESISTOR	100K 5% 1/6W	
	RA308	QRD161J-104	CARBON RESISTOR	100K 5% 1/6W	
	RA309	QRD161J-333	CARBON RESISTOR	33K 5% 1/6W	
	RA310	QRD161J-223	CARBON RESISTOR	22K 5% 1/6W	
	RA311	QRD161J-223	CARBON RESISTOR	22K 5% 1/6W	
	RA312	QRD167J-4R7	CARBON RESISTOR	4.7 5% 1/6W	
	RA313	QRD161J-473	CARBON RESISTOR	47K 5% 1/6W	
	RA314	QRD161J-473	CARBON RESISTOR	47K 5% 1/6W	
	RA315	QRD161J-223	CARBON RESISTOR	22K 5% 1/6W	
	RA316	QRD161J-223	CARBON RESISTOR	22K 5% 1/6W	
	RA317	QRD161J-472	CARBON RESISTOR	4.7K 5% 1/6W	
	RA318	QRD161J-221	CARBON RESISTOR	220 5% 1/6W	
	RA320	QRD167J-332	CARBON RESISTOR	3.3K 5% 1/6W	
	RA321	QRD161J-183	CARBON RESISTOR	18K 5% 1/6W	
	RA322	QRD167J-332	CARBON RESISTOR	3.3K 5% 1/6W	

BLOCK NO. 01

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
	RA324	QRD161J-470	CARBON RESISTOR	47 5% 1/6W	
	RA325	QRD167J-562	CARBON RESISTOR	5.6K 5% 1/6W	
	RA326	QRD167J-562	CARBON RESISTOR	5.6K 5% 1/6W	
	RA327	QRD167J-682	CARBON RESISTOR	6.8K 5% 1/6W	
	RA328	QRD161J-392	CARBON RESISTOR	3.9K 5% 1/6W	
	RA329	QRD161J-151	CARBON RESISTOR	150 5% 1/6W	
	RA330	QRD161J-472	CARBON RESISTOR	4.7K 5% 1/6W	
	RA331	QRD167J-682	CARBON RESISTOR	6.8K 5% 1/6W	
⚠	RA333	QRZ0077-4R7X	FUSE RESISTOR	4.7 1/0W	
	RA335	QRD161J-475	CARBON RESISTOR	4.7M 5% 1/6W	
	RA336	QRD161J-273	CARBON RESISTOR	27K 5% 1/6W	
	RA337	QRD161J-154	CARBON RESISTOR	150K 5% 1/6W	
	RA501	QRD161J-100	CARBON RESISTOR	10 5% 1/6W	
	RA502	QRD161J-272	CARBON RESISTOR	2.7K 5% 1/6W	
	TA301	EQF0101-002	FILTER		

■ Equalizer Amplifier P.C. board

BLOCK NO. 02

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
	C 101	QEK61AM-107ZM	E CAPACITOR	100MF 20% 10V	
	C 102	QCBB1HK-102Y	C CAPACITOR	1000PF 10% 50V	
	C 103	QEK41HM-225	E CAPACITOR	2.2MF 20% 50V	
	C 104	QFV71HJ-103	FILM CAPACITOR	.010MF 5% 50V	
	C 121	QCBB1HK-102Y	C CAPACITOR	1000PF 10% 50V	
	C 122	QCS32HJ-151ZV	C CAPACITOR	150PF 5% 500V	
	C 123	QCBB1HK-331Y	C CAPACITOR	330PF 10% 50V	
	C 141	QEK41HM-105	E CAPACITOR	1.0MF 20% 50V	
	C 142	QEK41HM-225	E CAPACITOR	2.2MF 20% 50V	
	C 143	QFV41HJ-224	TF CAPACITOR	.22MF 5% 50V	
	C 144	QEK41HM-474	E CAPACITOR	.47MF 20% 50V	
	C 145	QCBB1HK-102Y	C CAPACITOR	1000PF 10% 50V	
	C 146	QEK41HM-474	E CAPACITOR	.47MF 20% 50V	
	C 147	QCBB1HK-471Y	C CAPACITOR	470PF 10% 50V	
	C 148	QEK41HM-105	E CAPACITOR	1.0MF 20% 50V	
	C 149	QEK41HM-474	E CAPACITOR	.47MF 20% 50V	
	C 150	QEK41HM-105	E CAPACITOR	1.0MF 20% 50V	
	C 151	QEK61HM-475ZN	E.CAPACITOR	4.7MF 20% 50V	
	C 152	QFV41HJ-104ZM	TF CAPACITOR	.10MF 5% 50V	
	C 153	QEK41HM-105	E CAPACITOR	1.0MF 20% 50V	
	C 154	QCXB1CM-222Y	C CAPACITOR	2200PF 20% 16V	
	C 155	QCBB1HK-102Y	C CAPACITOR	1000PF 10% 50V	
	C 156	QFV41HJ-153ZM	FILM CAPACITOR	.015MF 5% 50V	
	C 157	QFV81HJ-223	FILM CAPACITOR	.022MF 5% 50V	
	C 158	QFV81HJ-273	TF.CAPACITOR	.027MF 5% 50V	
	C 201	QEK61AM-107ZM	E CAPACITOR	100MF 20% 10V	
	C 202	QCBB1HK-102Y	C CAPACITOR	1000PF 10% 50V	
	C 203	QEK41HM-225	E CAPACITOR	2.2MF 20% 50V	
	C 204	QFV71HJ-103	FILM CAPACITOR	.010MF 5% 50V	
	C 221	QCBB1HK-102Y	C CAPACITOR	1000PF 10% 50V	
	C 222	QCS32HJ-151ZV	C CAPACITOR	150PF 5% 500V	
	C 223	QCBB1HK-331Y	C CAPACITOR	330PF 10% 50V	
	C 241	QEK41HM-105	E CAPACITOR	1.0MF 20% 50V	
	C 242	QEK41HM-225	E CAPACITOR	2.2MF 20% 50V	
	C 243	QFV41HJ-224	TF CAPACITOR	.22MF 5% 50V	
	C 244	QEK41HM-474	E CAPACITOR	.47MF 20% 50V	
	C 245	QCBB1HK-102Y	C CAPACITOR	1000PF 10% 50V	
	C 246	QEK41HM-474	E CAPACITOR	.47MF 20% 50V	
	C 247	QCBB1HK-471Y	C CAPACITOR	470PF 10% 50V	
	C 248	QEK41HM-105	E CAPACITOR	1.0MF 20% 50V	
	C 249	QEK41HM-474	E CAPACITOR	.47MF 20% 50V	
	C 250	QEK41HM-105	E CAPACITOR	1.0MF 20% 50V	
	C 251	QEK61HM-475ZN	E.CAPACITOR	4.7MF 20% 50V	
	C 252	QFV41HJ-104ZM	TF CAPACITOR	.10MF 5% 50V	
	C 253	QEK41HM-105	E CAPACITOR	1.0MF 20% 50V	
	C 254	QCXB1CM-222Y	C CAPACITOR	2200PF 20% 16V	
	C 255	QCBB1HK-102Y	C CAPACITOR	1000PF 10% 50V	
	C 256	QFV41HJ-153ZM	FILM CAPACITOR	.015MF 5% 50V	
	C 257	QFV81HJ-223	FILM CAPACITOR	.022MF 5% 50V	
	C 258	QFV81HJ-273	TF.CAPACITOR	.027MF 5% 50V	
	C 301	QEK41CM-226	E CAPACITOR	22MF 20% 16V	
	C 302	QCVB1CM-103Y	C CAPACITOR	.010MF 20% 16V	
	C 303	QEK41CM-226	E CAPACITOR	22MF 20% 16V	
	C 304	QFV71HJ-103	FILM CAPACITOR	.010MF 5% 50V	
	C 305	QFV41HJ-153ZM	FILM CAPACITOR	.015MF 5% 50V	

BLOCK NO. 02

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
	C 306	QCS11HJ-330	C CAPACITOR	33PF 5% 50V	
	C 307	QCXB1CM-182Y	C.CAPACITOR	1800PF 20% 16V	
	C 308	QCBB1HK-681Y	C CAPACITOR	680PF 10% 50V	
	C 309	QEK61AM-107ZM	E CAPACITOR	100MF 20% 10V	
	C 310	QEK41HM-105	E CAPACITOR	1.0MF 20% 50V	
	C 321	QEK41CM-476	E CAPACITOR	47MF 20% 16V	
	C 322	QFN41HJ-682	M CAPACITOR	6800PF 5% 50V	
	C 323	QFN81HJ-562	M CAPACITOR	5600PF 5% 50V	
	C 324	QFN41HJ-682	M CAPACITOR	6800PF 5% 50V	
	C 325	QFN81HJ-562	M CAPACITOR	5600PF 5% 50V	
	C 326	QEK41CM-476	E CAPACITOR	47MF 20% 16V	
	C 327	QFV41HJ-224	TF CAPACITOR	.22MF 5% 50V	
	C 328	QFP32AJ-153ZM	PP CAPACITOR	.015MF 5% 100V	
	C 329	QFN81HJ-152	M CAPACITOR	1500PF 5% 50V	
	C 330	QCVB1CM-103Y	C CAPACITOR	.010MF 20% 16V	
	C 331	QFN41HJ-332	M CAPACITOR	3300PF 5% 50V	
	C 332	QCVB1CM-103Y	C CAPACITOR	.010MF 20% 16V	
	C 341	QEK41CM-106	E CAPACITOR	10MF 20% 16V	
	C 342	QEK41CM-106	E CAPACITOR	10MF 20% 16V	
	C 343	QEK41HM-225	E CAPACITOR	2.2MF 20% 50V	
	C 344	QEK41CM-226	E CAPACITOR	22MF 20% 16V	
	C 345	QEK61AM-227ZM	E CAPACITOR	220MF 20% 10V	
	C 346	QEK41CM-106	E CAPACITOR	10MF 20% 16V	
	C 347	QEK41CM-226	E CAPACITOR	22MF 20% 16V	
	C 348	QEK61AM-107ZM	E CAPACITOR	100MF 20% 10V	
	C 349	QEK41HM-105	E CAPACITOR	1.0MF 20% 50V	
	C 852	QEK61AM-107ZM	E CAPACITOR	100MF 20% 10V	
	C 853	QCXB1CM-272Y	C.CAPACITOR	2700PF 20% 16V	
	C 854	QCVB1CM-103Y	C CAPACITOR	.010MF 20% 16V	
	C 855	QCFB1HZ-104Y	C CAPACITOR	.10MF +80:-20%	
	C 856	QCFB1HZ-104Y	C CAPACITOR	.10MF +80:-20%	
	C 857	QCFB1HZ-104Y	C CAPACITOR	.10MF +80:-20%	
	C 858	QCVB1CM-103Y	C CAPACITOR	.010MF 20% 16V	
	C 859	QCS11HJ-470	C CAPACITOR	47PF 5% 50V	
	C 860	QEK41CM-476	E CAPACITOR	47MF 20% 16V	
	C 861	QCVB1CM-103Y	C CAPACITOR	.010MF 20% 16V	
	C 862	QCVB1CM-103Y	C CAPACITOR	.010MF 20% 16V	
	CN301	VMC0163-R06	CONNECTOR		
	CN302	VMC0290-L06	CONNECTOR		
	CN303	VMC0289-S07	CONNECTOR		
	CN321	VMC0289-P07	CONNECTOR		
	CN322	VMC0289-P05	CONNECTOR		
	CN341	TXLL-007-M	CONNECTOR		
	CN342	VMC0289-S05	CONNECTOR		
	CN343	VMC0289-S07	CONNECTOR		
	CN344	TTL25L-003	CONNECTOR		
	CN345	VMC0107-R04	SOCKET		
	CN361	VMC0289-P07	CONNECTOR		
	CN363	VMC0289-P14	CONNECTOR		
	CN851	VMC0289-S14	CONNECTOR		
	CN852	VMC0234-P08	CONNECTOR		
	CN853	VMC0234-P11	CONNECTOR		
	CN854	VMC0163-R06	CONNECTOR		
	D 141	1SS133	SI DIODE		
	D 142	1SS133	SI DIODE		

BLOCK NO. 02

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
	D 241	1SS133	SI DIODE		
	D 242	1SS133	SI DIODE		
	D 301	1SS133	SI DIODE		
	D 321	1SS133	SI DIODE		
	D 322	1SS133	SI DIODE		
	D 323	1SS133	SI DIODE		
	D 851	1SS133	SI DIODE		
	D 852	1SS133	SI DIODE		
	IC301	UPC1228HA	IC		
	IC302	UPC1330HA	IC		
	IC341	HA12134A	IC		
	IC342	LA3220	IC		
	IC851	LZ93D72	IC		
	IC852	TA8409F	IC		
	IC853	TA8409F	IC		
	L 121	VQP0001-183	INDUCTOR		
	L 141	VQP0001-562ZS	INDUCTOR		
	L 221	VQP0001-183	INDUCTOR		
	L 241	VQP0001-562ZS	INDUCTOR		
	L 321	VQH1008-055	OSC COIL(BIAS)		
	L 322	VQP0028-100Z	INDUCTOR		
	L 851	VQP0018-100	INDUCTOR		
	Q 101	DTC144TS	TRANSISTOR		
	Q 141	2SC2001(L,K)	TRANSISTOR		
	Q 142	2SC2001(L,K)	TRANSISTOR		
	Q 143	DTC144TS	TRANSISTOR		
	Q 201	DTC144TS	TRANSISTOR		
	Q 241	2SC2001(L,K)	TRANSISTOR		
	Q 242	2SC2001(L,K)	TRANSISTOR		
	Q 243	DTC144TS	TRANSISTOR		
	Q 301	2SC2785	TRANSISTOR		
	Q 302	2SC2785	TRANSISTOR		
	Q 321	2SC2001(L,K)	TRANSISTOR		
	Q 322	2SC2001(L,K)	TRANSISTOR		
	Q 323	2SC2001(L,K)	TRANSISTOR		
	Q 324	2SC2001(L,K)	TRANSISTOR		
	Q 325	2SC1845	TRANSISTOR		
	Q 326	2SC2785	TRANSISTOR		
	Q 327	2SC1845	TRANSISTOR		
	Q 328	2SC2785	TRANSISTOR		
	Q 341	DTA144ES	TRANSISTOR		
	Q 342	DTC144ES	TRANSISTOR		
	Q 343	DTC144TS	TRANSISTOR		
	Q 344	2SC2785	TRANSISTOR		
	Q 851	2SA952(L,K)	TRANSISTOR		
	Q 852	DTC144ES	TRANSISTOR		
	Q 853	DTC144ES	TRANSISTOR		
	R 101	QRD161J-680	CARBON RESISTOR	68 5% 1/6W	
	R 102	QRD161J-224	CARBON RESISTOR	220K 5% 1/6W	
	R 103	QRD167J-682	CARBON RESISTOR	6.8K 5% 1/6W	
	R 104	QRD167J-562	CARBON RESISTOR	5.6K 5% 1/6W	
	R 105	QRD161J-122	CARBON RESISTOR	1.2K 5% 1/6W	
	R 121	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W	
	R 141	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W	
	R 142	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W	

BLOCK NO. 02

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
	R 143	QRD161J-224	CARBON RESISTOR	220K 5% 1/6W	
	R 144	QRD161J-472	CARBON RESISTOR	4.7K 5% 1/6W	
	R 145	QRD161J-102	CARBON RESISTOR	1.0K 5% 1/6W	
	R 146	QRD161J-102	CARBON RESISTOR	1.0K 5% 1/6W	
	R 147	QRD161J-153	CARBON RESISTOR	15K 5% 1/6W	
	R 148	QRD161J-153	CARBON RESISTOR	15K 5% 1/6W	
	R 149	QRD161J-221	CARBON RESISTOR	220 5% 1/6W	
	R 150	QRD161J-182	CARBON RESISTOR	1.8K 5% 1/6W	
	R 151	QRD161J-221	CARBON RESISTOR	220 5% 1/6W	
	R 152	QRD161J-392	CARBON RESISTOR	3.9K 5% 1/6W	
	R 153	QRD161J-182	CARBON RESISTOR	1.8K 5% 1/6W	
	R 154	QRD161J-472	CARBON RESISTOR	4.7K 5% 1/6W	
	R 155	QRD161J-222	CARBON RESISTOR	2.2K 5% 1/6W	
	R 201	QRD161J-680	CARBON RESISTOR	68 5% 1/6W	
	R 202	QRD161J-224	CARBON RESISTOR	220K 5% 1/6W	
	R 203	QRD167J-682	CARBON RESISTOR	6.8K 5% 1/6W	
	R 204	QRD167J-562	CARBON RESISTOR	5.6K 5% 1/6W	
	R 205	QRD161J-122	CARBON RESISTOR	1.2K 5% 1/6W	
	R 221	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W	
	R 241	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W	
	R 242	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W	
	R 243	QRD161J-224	CARBON RESISTOR	220K 5% 1/6W	
	R 244	QRD161J-472	CARBON RESISTOR	4.7K 5% 1/6W	
	R 245	QRD161J-102	CARBON RESISTOR	1.0K 5% 1/6W	
	R 246	QRD161J-102	CARBON RESISTOR	1.0K 5% 1/6W	
	R 247	QRD161J-153	CARBON RESISTOR	15K 5% 1/6W	
	R 248	QRD161J-153	CARBON RESISTOR	15K 5% 1/6W	
	R 249	QRD161J-221	CARBON RESISTOR	220 5% 1/6W	
	R 250	QRD161J-182	CARBON RESISTOR	1.8K 5% 1/6W	
	R 251	QRD161J-221	CARBON RESISTOR	220 5% 1/6W	
	R 252	QRD161J-392	CARBON RESISTOR	3.9K 5% 1/6W	
	R 253	QRD161J-182	CARBON RESISTOR	1.8K 5% 1/6W	
	R 254	QRD161J-472	CARBON RESISTOR	4.7K 5% 1/6W	
	R 255	QRD161J-222	CARBON RESISTOR	2.2K 5% 1/6W	
	R 301	QRD161J-221	CARBON RESISTOR	220 5% 1/6W	
	R 302	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W	
	R 303	QRD161J-221	CARBON RESISTOR	220 5% 1/6W	
	R 304	QRD161J-331	CARBON RESISTOE	330 5% 1/6W	
	R 305	QRD161J-473	CARBON RESISTOR	47K 5% 1/6W	
	R 306	QRD161J-225	CARBON RESISTOR	2.2M 5% 1/6W	
	R 307	QRD161J-121	CARBON RESISTOR	120 5% 1/6W	
	R 308	QRD161J-104	CARBON RESISTOR	100K 5% 1/6W	
	R 321	QRD161J-273	CARBON RESISTOR	27K 5% 1/6W	
	R 322	QRD161J-273	CARBON RESISTOR	27K 5% 1/6W	
	R 323	QRZ0077-150X	F.RESISTOR	15 1/0W	
	R 324	QRD161J-3R3	CARBON RESISTOR	3.3 5% 1/6W	
	R 325	QRD14CJ-121SX	C RESISTOR	120 5% 1/4W	
	R 326	QRD161J-472	CARBON RESISTOR	4.7K 5% 1/6W	
	R 327	QRD161J-472	CARBON RESISTOR	4.7K 5% 1/6W	
	R 328	QRD161J-152	CARBON RESISTOR	1.5K 5% 1/6W	
	R 329	QRD161J-223	CARBON RESISTOR	22K 5% 1/6W	
	R 330	QRD161J-152	CARBON RESISTOR	1.5K 5% 1/6W	
	R 331	QRD161J-223	CARBON RESISTOR	22K 5% 1/6W	
	R 332	QRD161J-181	CARBON RESISTOR	180 5% 1/6W	
	R 341	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W	

BLOCK NO. 02

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
	R 342	QRD161J-183	CARBON RESISTOR	18K 5% 1/6W	
	R 343	QRD161J-221	CARBON RESISTOR	220 5% 1/6W	
	R 344	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W	
	R 345	QRD161J-222	CARBON RESISTOR	2.2K 5% 1/6W	
	R 346	QRD161J-101	CARBON RESISTOR	100 5% 1/6W	
	R 347	QRD161J-102	CARBON RESISTOR	1.0K 5% 1/6W	
	R 348	QRD161J-475	CARBON RESISTOR	4.7M 5% 1/6W	
	R 349	QRD161J-475	CARBON RESISTOR	4.7M 5% 1/6W	
	R 350	QRD161J-221	CARBON RESISTOR	220 5% 1/6W	
	R 351	QRD161J-223	CARBON RESISTOR	22K 5% 1/6W	
	R 851	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W	
	R 852	QRD161J-684	CARBON RESISTOR	680K 5% 1/6W	
	R 853	QRD161J-224	CARBON RESISTOR	220K 5% 1/6W	
	R 854	QRD161J-392	CARBON RESISTOR	3.9K 5% 1/6W	
	R 855	QRD161J-471	CARBON RESISTOR	470 5% 1/6W	
	R 856	QRD161J-471	CARBON RESISTOR	470 5% 1/6W	
	R 857	QRD161J-471	CARBON RESISTOR	470 5% 1/6W	
	R 858	QRD161J-471	CARBON RESISTOR	470 5% 1/6W	
	R 859	QRD161J-473	CARBON RESISTOR	47K 5% 1/6W	
	R 860	QRD161J-473	CARBON RESISTOR	47K 5% 1/6W	
	R 861	QRD161J-203	CARBON RESISTOR	20K 5% 1/6W	
	R 862	QRD161J-223	CARBON RESISTOR	22K 5% 1/6W	
	R 863	QRD161J-151	CARBON RESISTOR	150 5% 1/6W	
	R 864	QRD167J-682	CARBON RESISTOR	6.8K 5% 1/6W	
	R 865	QRD161J-123	CARBON RESISTOR	12K 5% 1/6W	
	R 866	QRD161J-563	CARBON RESISTOR	56K 5% 1/6W	
	R 867	QRZ0076-100X	FUSI RESISTOR	10 1/0W	
	R 868	QRD161J-472	CARBON RESISTOR	4.7K 5% 1/6W	
	R 869	QRD161J-221	CARBON RESISTOR	220 5% 1/6W	
	R 870	QRD161J-822	CARBON RESISTOR	8.2K 5% 1/6W	
	R 871	QRD161J-683	CARBON RESISTOR	68K 5% 1/6W	
	R 872	QRD161J-473	CARBON RESISTOR	47K 5% 1/6W	
	VR121	QVPA601-503A	V RESISTOR		
	VR141	QVPA603-502AZM	SEMI.V.RESISTOR	RCH:PB LEVEL	
	VR142	QVPA603-502AZM	SEMI.V.RESISTOR	RCH:REC LEVEL	
	VR221	QVPA601-503A	V RESISTOR		
	VR241	QVPA603-502AZM	SEMI.V.RESISTOR	LCH:PB LEVEL	
	VR242	QVPA603-502AZM	SEMI.V.RESISTOR	LCH:REC LEVEL	
	VR851	QVZ3523-103AZ	V RESISTOR	MOTOR SPEED ADJ	

■ Micro Computer P.C. board

BLOCK NO. 03

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
	C 701	QCS11HJ-330	C CAPACITOR	33PF 5% 50V	
	C 702	QCS11HJ-330	C CAPACITOR	33PF 5% 50V	
	C 703	QCS11HJ-470	C CAPACITOR	47PF 5% 50V	
	C 704	QCS11HJ-470	C CAPACITOR	47PF 5% 50V	
	C 705	QCS11HJ-330	C CAPACITOR	33PF 5% 50V	
	C 706	QCS11HJ-330	C CAPACITOR	33PF 5% 50V	
	C 707	QCBB1HK-102Y	C CAPACITOR	1000PF 10% 50V	
	C 708	QCBB1HK-102Y	C CAPACITOR	1000PF 10% 50V	
	C 709	QCBB1HK-102Y	C CAPACITOR	1000PF 10% 50V	
	C 710	QCBB1HK-102Y	C CAPACITOR	1000PF 10% 50V	
	C 711	QCBB1HK-102Y	C CAPACITOR	1000PF 10% 50V	
	C 712	QCBB1HK-102Y	C CAPACITOR	1000PF 10% 50V	
	C 713	QCBB1HK-102Y	C CAPACITOR	1000PF 10% 50V	
	C 714	QCBB1HK-102Y	C CAPACITOR	1000PF 10% 50V	
	C 715	QCBB1HK-151Y	C CAPACITOR	150PF 10% 50V	
	C 730	QEK41EM-475	E.CAPACITOR	4.7MF 20% 25V	
	C 731	QEK41HM-104	E CAPACITOR	.10MF 20% 50V	
	C 732	QEK61AM-107ZM	E CAPACITOR	100MF 20% 10V	
	C 733	QEK41CM-106	E CAPACITOR	10MF 20% 16V	
	C 734	QEK41CM-106	E CAPACITOR	10MF 20% 16V	
	C 735	QEK41CM-106	E CAPACITOR	10MF 20% 16V	
	C 736	QEK41CM-106	E CAPACITOR	10MF 20% 16V	
	C 740	EECS5R5T473	SUPER CAP.		
	C 741	QCBB1HK-102Y	C CAPACITOR	1000PF 10% 50V	
	C 742	QCBB1HK-102Y	C CAPACITOR	1000PF 10% 50V	
	C 743	QCBB1HK-102Y	C CAPACITOR	1000PF 10% 50V	
	C 744	QCVB1CN-103Y	C CAPACITOR	.010MF 30% 16V	
	C 745	QCBB1HK-102Y	C CAPACITOR	1000PF 10% 50V	
	CN701	VMC0163-R15	CONNECTOR		
	CN702	VMC0163-R15	CONNECTOR		
	CN703	VMC0288-S20	CONNECTOR		
	CN704	TXLL-008-M	CONNECTOR		
	CN705	TXLL-004-M	CONNECTOR		
	CN706	TXLL-005-M	CONNECTOR		
	CN707	VMC0163-R09	CONNECTOR		
	CN708	TXLP-007-B	CONNECTOR		
	CN709	VMC0163-R15	CONNECTOR		
	CN710	VMC0163-R15	CONNECTOR		
	D 701	1SS133	SI DIODE		
	D 702	1SS133	SI DIODE		
	D 703	1SS133	SI DIODE		
	D 704	1SS133	SI DIODE		
	D 705	1SS133	SI DIODE		
	D 706	SLB-24VR3F	LED	STANDBY	
	D 707	SLB-24VR3F	LED	H.BASS	
	D 708	1SS133	SI DIODE		
	IC701	MN171603JCY1	IC		
	IC702	BA6208A	IC		
	IC703	SBX1785-52A	RM RECIVER		
	L 701	VQZ0048-009	INDUCTOR		
	L 702	VQP0018-221	INDUCTOR		
	L 703	VQP0018-4R7	INDUCTOR		
	Q 701	2SC2668(O)	TRANSISTOR		
	Q 702	2SC2668(O)	TRANSISTOR		
	Q 703	2SC2785	TRANSISTOR		

BLOCK NO. 03

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
	Q 704	2SA1175	TRANSISTOR		
	Q 706	2SC2785	TRANSISTOR		
	Q 707	2SC2785	TRANSISTOR		
	R 702	QRD161J-681	CARBON RESISTOR	680 5% 1/6W	
	R 703	QRD161J-681	CARBON RESISTOR	680 5% 1/6W	
	R 704	QRD161J-104	CARBON RESISTOR	100K 5% 1/6W	
	R 705	QRD161J-224	CARBON RESISTOR	220K 5% 1/6W	
	R 706	QRD161J-331	CARBON RESISTOE	330 5% 1/6W	
	R 707	QRD161J-104	CARBON RESISTOR	100K 5% 1/6W	
	R 708	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W	
	R 709	QRD161J-222	CARBON RESISTOR	2.2K 5% 1/6W	
	R 710	QRD161J-222	CARBON RESISTOR	2.2K 5% 1/6W	
	R 711	QRD161J-222	CARBON RESISTOR	2.2K 5% 1/6W	
	R 712	QRD161J-222	CARBON RESISTOR	2.2K 5% 1/6W	
	R 713	QRD161J-222	CARBON RESISTOR	2.2K 5% 1/6W	
	R 714	QRD161J-222	CARBON RESISTOR	2.2K 5% 1/6W	
	R 715	QRD161J-222	CARBON RESISTOR	2.2K 5% 1/6W	
	R 716	QRD161J-222	CARBON RESISTOR	2.2K 5% 1/6W	
	R 717	QRD161J-222	CARBON RESISTOR	2.2K 5% 1/6W	
	R 718	QRD161J-222	CARBON RESISTOR	2.2K 5% 1/6W	
	R 719	QRD161J-102	CARBON RESISTOR	1.0K 5% 1/6W	
	R 720	QRD161J-222	CARBON RESISTOR	2.2K 5% 1/6W	
	R 721	QRD161J-222	CARBON RESISTOR	2.2K 5% 1/6W	
	R 722	QRD161J-222	CARBON RESISTOR	2.2K 5% 1/6W	
	R 723	QRD161J-222	CARBON RESISTOR	2.2K 5% 1/6W	
	R 724	QRD161J-222	CARBON RESISTOR	2.2K 5% 1/6W	
	R 725	QRD161J-222	CARBON RESISTOR	2.2K 5% 1/6W	
	R 726	QRD161J-222	CARBON RESISTOR	2.2K 5% 1/6W	
	R 727	QRD161J-222	CARBON RESISTOR	2.2K 5% 1/6W	
	R 728	QRD161J-222	CARBON RESISTOR	2.2K 5% 1/6W	
	R 729	QRD161J-222	CARBON RESISTOR	2.2K 5% 1/6W	
	R 730	QRD161J-222	CARBON RESISTOR	2.2K 5% 1/6W	
	R 731	QRD161J-222	CARBON RESISTOR	2.2K 5% 1/6W	
	R 732	QRD161J-223	CARBON RESISTOR	22K 5% 1/6W	
	R 733	QRD161J-222	CARBON RESISTOR	2.2K 5% 1/6W	
	R 734	QRD167J-332	CARBON RESISTOR	3.3K 5% 1/6W	
	R 735	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W	
	R 736	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W	
	R 737	QRD161J-182	CARBON RESISTOR	1.8K 5% 1/6W	
	R 738	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W	
	R 739	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W	
	R 740	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W	
	R 741	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W	
	R 742	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W	
	R 743	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W	
	R 744	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W	
	R 745	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W	
	R 747	QRD161J-102	CARBON RESISTOR	1.0K 5% 1/6W	
	R 748	QRD161J-105	CARBON RESISTOR	1.0M 5% 1/6W	
	R 749	QRD161J-183	CARBON RESISTOR	18K 5% 1/6W	
	R 750	QRD161J-473	CARBON RESISTOR	47K 5% 1/6W	
	R 751	QRD161J-104	CARBON RESISTOR	100K 5% 1/6W	
	R 752	QRD161J-331	CARBON RESISTOE	330 5% 1/6W	
	R 753	QRD161J-331	CARBON RESISTOE	330 5% 1/6W	
	R 754	QRD161J-223	CARBON RESISTOR	22K 5% 1/6W	

BLOCK NO. 03

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
	R 756	QRD161J-222	CARBON RESISTOR	2.2K 5% 1/6W	
	R 758	QRD161J-222	CARBON RESISTOR	2.2K 5% 1/6W	
	R 759	QRD167J-4R7	CARBON RESISTOR	4.7 5% 1/6W	
	R 760	QRD161J-102	CARBON RESISTOR	1.0K 5% 1/6W	
	R 761	QRD161J-122	CARBON RESISTOR	1.2K 5% 1/6W	
	R 762	QRD161J-152	CARBON RESISTOR	1.5K 5% 1/6W	
	R 763	QRD161J-222	CARBON RESISTOR	2.2K 5% 1/6W	
	R 764	QRD161J-272	CARBON RESISTOR	2.7K 5% 1/6W	
	R 765	QRD161J-392	CARBON RESISTOR	3.9K 5% 1/6W	
	R 766	QRD167J-562	CARBON RESISTOR	5.6K 5% 1/6W	
	R 767	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W	
	R 768	QRD161J-183	CARBON RESISTOR	18K 5% 1/6W	
	R 769	QRD161J-473	CARBON RESISTOR	47K 5% 1/6W	
	R 770	QRD161J-102	CARBON RESISTOR	1.0K 5% 1/6W	
	R 771	QRD161J-102	CARBON RESISTOR	1.0K 5% 1/6W	
	R 772	QRD161J-122	CARBON RESISTOR	1.2K 5% 1/6W	
	R 773	QRD161J-152	CARBON RESISTOR	1.5K 5% 1/6W	
	R 774	QRD161J-222	CARBON RESISTOR	2.2K 5% 1/6W	
	R 775	QRD161J-272	CARBON RESISTOR	2.7K 5% 1/6W	
	R 776	QRD161J-392	CARBON RESISTOR	3.9K 5% 1/6W	
	R 777	QRD167J-562	CARBON RESISTOR	5.6K 5% 1/6W	
	R 778	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W	
	R 779	QRD161J-102	CARBON RESISTOR	1.0K 5% 1/6W	
	R 780	QRD161J-102	CARBON RESISTOR	1.0K 5% 1/6W	
	R 781	QRD161J-122	CARBON RESISTOR	1.2K 5% 1/6W	
	R 782	QRD161J-152	CARBON RESISTOR	1.5K 5% 1/6W	
	R 783	QRD161J-222	CARBON RESISTOR	2.2K 5% 1/6W	
	R 784	QRD161J-272	CARBON RESISTOR	2.7K 5% 1/6W	
	R 785	QRD161J-392	CARBON RESISTOR	3.9K 5% 1/6W	
	R 786	QRD167J-562	CARBON RESISTOR	5.6K 5% 1/6W	
	R 787	QRD161J-822	CARBON RESISTOR	8.2K 5% 1/6W	
	R 788	QRD161J-822	CARBON RESISTOR	8.2K 5% 1/6W	
	R 789	QRD167J-682	CARBON RESISTOR	6.8K 5% 1/6W	
	R 790	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W	
	R 791	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W	
	R 792	QRD161J-683	CARBON RESISTOR	68K 5% 1/6W	
	R 793	QRD161J-683	CARBON RESISTOR	68K 5% 1/6W	
	R 794	QRD161J-105	CARBON RESISTOR	1.0M 5% 1/6W	
	R 796	QRD161J-222	CARBON RESISTOR	2.2K 5% 1/6W	
	R 797	QRD161J-222	CARBON RESISTOR	2.2K 5% 1/6W	
	R 798	QRD161J-222	CARBON RESISTOR	2.2K 5% 1/6W	
	R 799	QRD161J-473	CARBON RESISTOR	47K 5% 1/6W	
	S 701	QSQ1A11-V04Z	TACT SW	STOP/CLEAR	
	S 702	QSQ1A11-V04Z	TACT SW	PLAY/PAUSE	
	S 703	QSQ1A11-V04Z	TACT SW	F SKIP	
	S 704	QSQ1A11-V04Z	TACT SW	AUX	
	S 705	QSQ1A11-V04Z	TACT SW	MODE	
	S 706	QSQ1A11-V04Z	TACT SW	UP	
	S 707	QSQ1A11-V04Z	TACT SW	TUNER	
	S 708	QSQ1A11-V04Z	TACT SW	DOWN	
	S 709	QSQ1A11-V04Z	TACT SW	MANUAL	
	S 710	QSQ1A11-V04Z	TACT SW	B SKIP	
	S 711	QSQ1A11-V04Z	TACT SW	POWER	
	S 712	QSQ1A11-V04Z	TACT SW	BASS-	
	S 713	QSQ1A11-V04Z	TACT SW	BASS+	

BLOCK NO. 03

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
	S 714	QSQ1A11-V04Z	TACT SW	TRE-	
	S 715	QSQ1A11-V04Z	TACT SW	TRE+	
	S 716	QSQ1A11-V04Z	TACT SW	DOLBY	
	S 717	QSQ1A11-V04Z	TACT SW	H.BASS	
	S 718	QSQ1A11-V04Z	TACT SW	VOL+	
	S 719	QSQ1A11-V04Z	TACT SW	VOL-	
	S 720	QSQ1A11-V04Z	TACT SW	REC/PAUSE	
	S 721	QSQ1A11-V04Z	TACT SW	SYNCHRO	
	S 722	QSQ1A11-V04Z	TACT SW	REW	
	S 723	QSQ1A11-V04Z	TACT SW	R PLAY	
	S 724	QSQ1A11-V04Z	TACT SW	STOP	
	S 725	QSQ1A11-V04Z	TACT SW	F PLAY	
	S 726	QSQ1A11-V04Z	TACT SW	FF	
	S 727	QSQ1A11-V04Z	TACT SW	REVERSE	
	S 728	QSP2K21-V01	PUSH SWITCH		
	S 729	QSP2K21-V01	PUSH SWITCH		
	S 730	QSP1A11-V10Z	TACT SW	CD DOOR	
	X 701	VCX5000-001	CRYSTAL		
	X 702	CSA4.19MG933	CERA LOCK		

■ CD Amplifier P.C. board

BLOCK NO. 04

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
	C 501	QCBB1HK-821Y	C CAPACITOR	820PF 10% 50V	
	C 503	QCVB1CM-103Y	C CAPACITOR	.010MF 20% 16V	
	C 504	QETC1CM-106ZN	E CAPACITOR	10MF 20% 16V	
	C 511	QCSB1HJ-3R9	C CAPACITOR	3.9PF 10% 50V	
	C 512	QCS11HJ-270	C.CAPACITOR	27PF 5% 50V	
	C 513	QFLC1HJ-104ZM	M CAPACITOR	.10MF 5% 50V	
	C 514	QFN41HJ-472	M CAPACITOR	4700PF 5% 50V	
	C 521	QCBB1HK-331Y	C CAPACITOR	330PF 10% 50V	
	C 522	QFLC1HJ-473ZM	M CAPACITOR	.047MF 5% 50V	
	C 523	QFV81HJ-154	TF CAPACITOR	.15MF 5% 50V	
	C 524	QEN61ER-475ZN	NP.E.CAPACITOR	4.7MF +30:-10%	
	C 529	QETC1AM-336ZN	E CAPACITOR	33MF 20% 10V	
	C 531	QCVB1CM-822Y	C.CAPACITOR	8200PF 20% 16V	
	C 541	QCBB1HK-101Y	C CAPACITOR	100PF 10% 50V	
	C 542	QFLC1HJ-103ZM	M CAPACITORR	.010MF 5% 50V	
	C 543	QFLC1HJ-393ZM	M CAPACITOR	.039MF 5% 50V	
	C 545	QEN61HM-105Z	NP.E.CAPACITOR	1.0MF 20% 50V	
	C 546	QFLC1HJ-223ZM	M CAPACITOR	.022MF 5% 50V	
	C 561	QETC1AM-476ZN	E CAPACITOR	47MF 20% 10V	
	C 562	QETC1HM-475ZN	E CAPACITOR	4.7MF 20% 50V	
	C 581	QETC1AM-477ZN	E CAPACITOR	470MF 20% 10V	
	C 582	QETC1AM-107ZN	E CAPACITOR	100MF 20% 10V	
	C 584	QETC1AM-107ZN	E CAPACITOR	100MF 20% 10V	
	C 591	VCP0012-105Z	C CAPACITOR		
	C 592	VCP0012-105Z	C CAPACITOR		
	C 593	QCC11EM-104V	C CAPACITOR	.10MF 20% 25V	
	C 599	QETC1AM-107ZN	E CAPACITOR	100MF 20% 10V	
	C 601	QCS11HJ-100	C CAPACITOR	FOR CRYSTAL	
	C 602	QCS11HJ-100	C CAPACITOR	FOR CRYSTAL	
	C 603	QCC11EM-473V	C CAPACITOR	.047MF 20% 25V	
	C 604	QCC11EM-104V	C CAPACITOR	.10MF 20% 25V	
	C 605	QCVB1CM-103Y	C CAPACITOR	.010MF 20% 16V	
	C 606	QCC11EM-473V	C CAPACITOR	.047MF 20% 25V	
	C 611	QCS11HJ-101	C CAPACITOR	100PF 5% 50V	
	C 612	QFLC1HJ-103ZM	M CAPACITORR	.010MF 5% 50V	
	C 613	QFLC1HJ-103ZM	M CAPACITORR	.010MF 5% 50V	
	C 614	QFN41HJ-332	M CAPACITOR	3300PF 5% 50V	
	C 615	QFN41HJ-332	M CAPACITOR	3300PF 5% 50V	
	C 631	QETC1AM-107ZN	E CAPACITOR	100MF 20% 10V	
	C 632	QETC1AM-107ZN	E CAPACITOR	100MF 20% 10V	
	C 635	QCBB1HK-121Y	C CAPACITOR	120PF 10% 50V	
	C 651	QETC1AM-107ZN	E CAPACITOR	100MF 20% 10V	
	C 652	QETC1CM-226ZN	E CAPACITOR	22MF 20% 16V	
	C 661	QCBB1HK-271Y	C CAPACITOR	270PF 10% 50V	
	C 662	QCBB1HK-271Y	C CAPACITOR	270PF 10% 50V	
	C 663	QCBB1HK-121Y	C CAPACITOR	120PF 10% 50V	
	C 669	QETC1EM-335ZN	E CAPACITOR	3.3MF 20% 25V	
	C 671	QCBB1HK-271Y	C CAPACITOR	270PF 10% 50V	
	C 672	QCBB1HK-271Y	C CAPACITOR	270PF 10% 50V	
	C 673	QCBB1HK-121Y	C CAPACITOR	120PF 10% 50V	
	C 679	QETC1EM-335ZN	E CAPACITOR	3.3MF 20% 25V	
	CN501	VMC0272-015	CONNECTOR	TO PICK UP	
	CN601	VMC0163-R09	CONNECTOR	TO CPU	
	IC501	TA8191F	IC	SERVO LSI	
	IC502	BA6298FP	IC	POWER DRIVER	

BLOCK NO. 04

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
	IC601	TC9236AF	IC	1 CHIP PROCESSE	
	IC603	TC9278F	IC	D/A CONVERTER	
	IC604	XRA15218N	IC	L.P.F	
	K 693	VQZ0048-009	INDUCTOR	FOR FTZ	
	L 691	VQP0018-100	INDUCTOR	FOR FTZ	
	L 692	VQP0018-100	INDUCTOR	FOR FTZ	
	Q 501	2SA952(L,K)	TRANSISTOR		
	Q 581	2SA952(L,K)	TRANSISTOR	5V REGULATOR	
	Q 591	2SA1309(RS)	TRANSISTOR		
	R 501	QRD161J-124	CARBON RESISTOR	120K 5% 1/6W	
	R 502	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W	
	R 504	QRD161J-202	CARBON RESISTOR	2.0K 5% 1/6W	
	R 505	QRD161J-220	CARBON RESISTOR	22 5% 1/6W	
	R 506	QRD161J-101	CARBON RESISTOR	100 5% 1/6W	
	R 511	QRD161J-183	CARBON RESISTOR	18K 5% 1/6W	
	R 512	QRD161J-392	CARBON RESISTOR	3.9K 5% 1/6W	
	R 513	QRD167J-332	CARBON RESISTOR	3.3K 5% 1/6W	
	R 514	QRD161J-472	CARBON RESISTOR	4.7K 5% 1/6W	
	R 515	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W	
	R 516	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W	
	R 517	QRD161J-202	CARBON RESISTOR	2.0K 5% 1/6W	
	R 521	QRD161J-154	CARBON RESISTOR	150K 5% 1/6W	
	R 522	QRD161J-392	CARBON RESISTOR	3.9K 5% 1/6W	
	R 523	QRD161J-472	CARBON RESISTOR	4.7K 5% 1/6W	
	R 524	QRD161J-331	CARBON RESISTOE	330 5% 1/6W	
	R 525	QRD161J-472	CARBON RESISTOR	4.7K 5% 1/6W	
	R 529	QRD167J-562	CARBON RESISTOR	5.6K 5% 1/6W	
	R 531	QRD161J-473	CARBON RESISTOR	47K 5% 1/6W	
	R 532	QRD161J-104	CARBON RESISTOR	100K 5% 1/6W	
	R 533	QRD161J-153	CARBON RESISTOR	15K 5% 1/6W	
	R 541	QRD161J-123	CARBON RESISTOR	12K 5% 1/6W	
	R 542	QRD167J-332	CARBON RESISTOR	3.3K 5% 1/6W	
	R 543	QRD161J-473	CARBON RESISTOR	47K 5% 1/6W	
	R 544	QRD161J-223	CARBON RESISTOR	22K 5% 1/6W	
	R 545	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W	
	R 548	QRD161J-153	CARBON RESISTOR	15K 5% 1/6W	
	R 549	QRD161J-821	CARBON RESISTOR	820 5% 1/6W	
	R 550	QRD161J-104	CARBON RESISTOR	100K 5% 1/6W	
	R 551	QRD161J-223	CARBON RESISTOR	22K 5% 1/6W	
	R 552	QRD167J-562	CARBON RESISTOR	5.6K 5% 1/6W	
	R 553	QRD161J-821	CARBON RESISTOR	820 5% 1/6W	
	R 555	QRD167J-332	CARBON RESISTOR	3.3K 5% 1/6W	
	R 559	QRD161J-125	CARBON RESISTOR	1.2M 5% 1/6W	
	R 561	QRD167J-562	CARBON RESISTOR	5.6K 5% 1/6W	
	R 562	QRD161J-102	CARBON RESISTOR	1.0K 5% 1/6W	
	R 563	QRD161J-152	CARBON RESISTOR	1.5K 5% 1/6W	
	R 564	QRD167J-332	CARBON RESISTOR	3.3K 5% 1/6W	
	R 565	QRD161J-683	CARBON RESISTOR	68K 5% 1/6W	
	R 566	QRD161J-273	CARBON RESISTOR	27K 5% 1/6W	
	R 583	QRD161J-101	CARBON RESISTOR	100 5% 1/6W	
	R 591	QRD161J-473	CARBON RESISTOR	47K 5% 1/6W	
	R 611	QRD161J-102	CARBON RESISTOR	1.0K 5% 1/6W	
	R 612	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W	
	R 613	QRD161J-224	CARBON RESISTOR	220K 5% 1/6W	
	R 614	QRD161J-473	CARBON RESISTOR	47K 5% 1/6W	

BLOCK NO. 04

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
	R 615	QRD161J-225	CARBON RESISTOR	2.2M 5% 1/6W	
	R 616	QRD161J-333	CARBON RESISTOR	33K 5% 1/6W	
	R 631	QRD161J-820	CARBON RESISTOR	82 5% 1/6W	
	R 632	QRD161J-820	CARBON RESISTOR	82 5% 1/6W	
	R 635	QRD161J-681	CARBON RESISTOR	680 5% 1/6W	
	R 638	QRD161J-331	CARBON RESISTOE	330 5% 1/6W	
	R 639	QRD161J-102	CARBON RESISTOR	1.0K 5% 1/6W	
	R 651	QRD161J-820	CARBON RESISTOR	82 5% 1/6W	
	R 652	QRD161J-473	CARBON RESISTOR	47K 5% 1/6W	
	R 653	QRD161J-473	CARBON RESISTOR	47K 5% 1/6W	
	R 661	QRD161J-123	CARBON RESISTOR	12K 5% 1/6W	
	R 662	QRD161J-123	CARBON RESISTOR	12K 5% 1/6W	
	R 663	QRD161J-333	CARBON RESISTOR	33K 5% 1/6W	
	R 664	QRD161J-333	CARBON RESISTOR	33K 5% 1/6W	
	R 665	QRD161J-123	CARBON RESISTOR	12K 5% 1/6W	
	R 666	QRD161J-123	CARBON RESISTOR	12K 5% 1/6W	
	R 669	QRD167J-332	CARBON RESISTOR	3.3K 5% 1/6W	
	R 671	QRD161J-123	CARBON RESISTOR	12K 5% 1/6W	
	R 672	QRD161J-123	CARBON RESISTOR	12K 5% 1/6W	
	R 673	QRD161J-333	CARBON RESISTOR	33K 5% 1/6W	
	R 674	QRD161J-333	CARBON RESISTOR	33K 5% 1/6W	
	R 675	QRD161J-123	CARBON RESISTOR	12K 5% 1/6W	
	R 676	QRD161J-123	CARBON RESISTOR	12K 5% 1/6W	
	R 679	QRD167J-332	CARBON RESISTOR	3.3K 5% 1/6W	
	VR501	QVZ3523-154AZ	V RESISTOR	TRACKING OFFSET	
	X 601	VCX5016-934V	CRYSTAL	16.9344MHZ	

■ Tuner P.C. board

BLOCK NO. 05

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
	C 001	QCS11HJ-200	C CAPACITOR	20PF 5% 50V	
	C 003	QCSB1HK-3R3Y	C CAPACITOR	3.3PF 10% 50V	
	C 004	QCSB1HM-1R5Y	C CAPACITOR	1.5PF 20% 50V	
	C 005	QCT05UJ-100	C.CAPACITOR	10PF 5% 50V	
	C 006	QCVB1CN-103Y	C CAPACITOR	.010MF 30% 16V	
	C 007	QCT30CH-200Y	C CAPACITOR	20PF 5% 50V	
	C 008	QCVB1CN-103Y	C CAPACITOR	.010MF 30% 16V	
	C 009	QCT30UJ-8R2Y	C.CAPACITOR	8.2PF 5% 50V	
	C 010	QCSB1HM-1R0Y	C CAPACITOR	1.0PF 20% 50V	
	C 011	QCVB1CN-103Y	C CAPACITOR	.010MF 30% 16V	
	C 012	QCBB1HK-151Y	C CAPACITOR	150PF 10% 50V	
	C 013	QCC11EM-223V	C CAPACITOR	.022MF 20% 25V	
	C 016	QCVB1CN-103Y	C CAPACITOR	.010MF 30% 16V	
	C 017	QCFB1HZ-104Y	C CAPACITOR	.10MF +80:-20%	
	C 018	QCVB1CN-103Y	C CAPACITOR	.010MF 30% 16V	
	C 019	QCT30UJ-8R2Y	C.CAPACITOR	8.2PF 5% 50V	
	C 020	QEK61AM-107ZM	E CAPACITOR	100MF 20% 10V	
	C 021	QCC11EM-473V	C CAPACITOR	.047MF 20% 25V	
	C 022	QFP31HG-431ZM	PP CAPACITOR	430PF 2% 50V	
	C 023	QCT30UJ-120Y	C.CAPACITOR	12PF 5% 50V	
	C 024	QCS11HJ-560	C.CAPACITOR	56PF 5% 50V	
	C 025	QEK41HM-104	E CAPACITOR	.10MF 20% 50V	
	C 026	QCS11HJ-181	C.CAPACITOR	180PF 5% 50V	
	C 027	QCS11HJ-101	C CAPACITOR	100PF 5% 50V	
	C 028	QCS11HJ-180	C CAPACITOR	18PF 5% 50V	
	C 029	QEK40JM-227	E CAPACITOR	220MF 20% 6.3V	
	C 030	QCVB1CN-103Y	C CAPACITOR	.010MF 30% 16V	
	C 031	QCVB1CN-103Y	C CAPACITOR	.010MF 30% 16V	
	C 032	QCVB1CN-103Y	C CAPACITOR	.010MF 30% 16V	
	C 033	QEK61AM-107ZM	E CAPACITOR	100MF 20% 10V	
	C 034	QCC31EM-333ZV	C CAPACITOR	.033MF 20% 25V	
	C 035	QCC11EM-473V	C CAPACITOR	.047MF 20% 25V	
	C 036	QEK41EM-475	E.CAPACITOR	4.7MF 20% 25V	
	C 037	QCVB1CN-103Y	C CAPACITOR	.010MF 30% 16V	
	C 038	QCBB1HK-102Y	C CAPACITOR	1000PF 10% 50V	
	C 039	QCC11EM-473V	C CAPACITOR	.047MF 20% 25V	
	C 040	QEK61HM-475ZN	E.CAPASITOR	4.7MF 20% 50V	
	C 041	QEK41CM-106	E CAPACITOR	10MF 20% 16V	
	C 042	QCXB1CM-152Y	C CAPACITOR	1500PF 20% 16V	
	C 043	QCVB1CN-103Y	C CAPACITOR	.010MF 30% 16V	
	C 044	QEK41HM-104	E CAPACITOR	.10MF 20% 50V	
	C 045	QEK41HM-474	E CAPACITOR	.47MF 20% 50V	
	C 046	QEK41CM-106	E CAPACITOR	10MF 20% 16V	
	C 047	QCC11EK-153ZV	C CAPACITOR	.015MF 10% 25V	
	C 048	QCC11EK-153ZV	C CAPACITOR	.015MF 10% 25V	
	C 049	QEK41HM-105	E CAPACITOR	1.0MF 20% 50V	
	C 050	QEK41HM-105	E CAPACITOR	1.0MF 20% 50V	
	C 053	QCS11HJ-150	C CAPACITOR	15PF 5% 50V	
	C 054	QCC11EM-223V	C CAPACITOR	.022MF 20% 25V	
	C 055	QCSB1HK-2R2Y	C CAPACITOR	2.2PF 10% 50V	
	C 058	QCBB1HK-151Y	C CAPACITOR	150PF 10% 50V	
	C 059	QCBB1HK-102Y	C CAPACITOR	1000PF 10% 50V	
	C 060	QCBB1HK-102Y	C CAPACITOR	1000PF 10% 50V	
	C 061	QEK61AM-107ZM	E CAPACITOR	100MF 20% 10V	
	C 062	QCSB1HJ-130Y	C CAPACITOR	13PF 5% 50V	

BLOCK NO. 05

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
	C 063	QCC11EM-473V	C CAPACITOR	.047MF 20% 25V	
	C 064	QCS11HJ-270	C.CAPACITOR	27PF 5% 50V	
	C 065	QCBB1HK-151Y	C CAPACITOR	150PF 10% 50V	
	C 066	QCBB1HK-151Y	C CAPACITOR	150PF 10% 50V	
	C 069	QCXB1CM-222Y	C CAPACITOR	2200PF 20% 16V	
	C 070	QEK41HM-225	E CAPACITOR	2.2MF 20% 50V	
	C 071	QEK41HM-335	E CAPACITOR	3.3MF 20% 50V	
	C 090	QCBB1HK-102Y	C CAPACITOR	1000PF 10% 50V	
	CF 01	VCF2M3B-104	C FILTER		
	CF 02	VCF2S3B-102	C FILTER		
	CF 03	VCF1Z2Z-105Z	C FILTER		
	CF 04	CSB456F18	CERA LOCK		
	CN 01	TXLP-010-B	CONNECTOR	TO FUNCTION PWB	
	D 001	KV1350NT	VARI CAP		
	D 002	KV1350NT	VARI CAP		
	D 003	KV1350NT	VARI CAP		
	D 004	KV1350NT	VARI CAP		
	D 005	KV1350NT	VARI CAP		
	D 006	KV1350NT	VARI CAP		
	D 008	KV1550NTA	VARI.CAPACITOR		
	D 009	KV1550NTA	VARI.CAPACITOR		
	D 010	KV1550NTA	VARI.CAPACITOR		
	D 011	KV1550NTA	VARI.CAPACITOR		
	D 012	1SS133	SI DIODE		
	D 013	1SS133	SI DIODE		
	D 014	1SS133	SI DIODE		
	FB 01	VQZ0048-003	INDUCTOR		
	IC 01	TA7358P(N)	IC		
	IC 02	TA8132AN	IC		
	IC 03	TC9216P	IC		
	J 001	YKD31-0442	ANT TERMINAL	FM ANT	
	J 002	EMB40YV-201K	ANT TERMINAL	AM ANT	
	L 001	VQF1B20-021	OSC COIL	FM OSC	
	L 002	VQF1B12-012	RF COIL	FM RF	
	L 003	VQZ0030-010	RF COIL(MW)	MW RF	
	L 004	VQM7U02-404	OSC COIL(MW)	MW OSC	
	L 005	VQZ0030-008	RF COIL(LW)	LW RF	
	L 006	VQL7U02-502	OSC COIL(LW)	LW OSC	
	L 007	VQP0018-4R7	INDUCTOR		
	L 008	VQP0018-221	INDUCTOR		
	L 009	VQP0018-4R7	INDUCTOR		
	L 010	VQP0018-4R7	INDUCTOR		
	L 011	VQP0018-4R7	INDUCTOR		
	L 013	VQF1B12-013	RF COIL		
	Q 001	2SC2668(O)	TRANSISTOR		
	Q 002	2SD1302	TRANSISTOR		
	Q 003	2SC2668(O)	TRANSISTOR		
	Q 004	2SA1175	TRANSISTOR		
	Q 005	2SD1302	TRANSISTOR		
	Q 006	2SC2785	TRANSISTOR		
	Q 007	2SC2668(O)	TRANSISTOR		
	Q 008	DTC114YS	TRANSISTOR		
	Q 009	DTA114YS	TRANSISTOR		
	Q 010	DTA114YS	TRANSISTOR		
	Q 011	DTA114YS	TRANSISTOR		

BLOCK NO. 05

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
	Q 012	2SC2785	TRANSISTOR		
	Q 013	2SC2785	TRANSISTOR		
	Q 014	2SA1175	TRANSISTOR		
	Q 015	DTC124ES	TRANSISTOR		
	R 001	QRD161J-104	CARBON RESISTOR	100K 5% 1/6W	
	R 002	QRD161J-473	CARBON RESISTOR	47K 5% 1/6W	
	R 004	QRD161J-102	CARBON RESISTOR	1.0K 5% 1/6W	
	R 005	QRD161J-823	CARBON RESISTOR	82K 5% 1/6W	
	R 006	QRD161J-101	CARBON RESISTOR	100 5% 1/6W	
	R 008	QRD161J-471	CARBON RESISTOR	470 5% 1/6W	
	R 009	QRD161J-102	CARBON RESISTOR	1.0K 5% 1/6W	
	R 010	QRD161J-101	CARBON RESISTOR	100 5% 1/6W	
	R 011	QRD161J-222	CARBON RESISTOR	2.2K 5% 1/6W	
	R 012	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W	
	R 013	QRD161J-104	CARBON RESISTOR	100K 5% 1/6W	
	R 014	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W	
	R 015	QRD161J-222	CARBON RESISTOR	2.2K 5% 1/6W	
	R 016	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W	
	R 017	QRD161J-104	CARBON RESISTOR	100K 5% 1/6W	
	R 018	QRD161J-102	CARBON RESISTOR	1.0K 5% 1/6W	
	R 019	QRD161J-222	CARBON RESISTOR	2.2K 5% 1/6W	
	R 020	QRD161J-102	CARBON RESISTOR	1.0K 5% 1/6W	
	R 021	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W	
	R 022	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W	
	R 024	QRD161J-331	CARBON RESISTOE	330 5% 1/6W	
	R 025	QRD161J-224	CARBON RESISTOR	220K 5% 1/6W	
	R 027	QRD161J-331	CARBON RESISTOE	330 5% 1/6W	
	R 029	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W	
	R 030	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W	
	R 031	QRD161J-183	CARBON RESISTOR	18K 5% 1/6W	
	R 032	QRD161J-223	CARBON RESISTOR	22K 5% 1/6W	
	R 033	QRD161J-472	CARBON RESISTOR	4.7K 5% 1/6W	
	R 034	QRD161J-222	CARBON RESISTOR	2.2K 5% 1/6W	
	R 035	QRD161J-222	CARBON RESISTOR	2.2K 5% 1/6W	
	R 036	QRD161J-222	CARBON RESISTOR	2.2K 5% 1/6W	
	R 037	QRD161J-560	CARBON RESISTOR	56 5% 1/6W	
	R 038	QRD161J-473	CARBON RESISTOR	47K 5% 1/6W	
	R 039	QRD161J-102	CARBON RESISTOR	1.0K 5% 1/6W	
	R 040	QRD161J-102	CARBON RESISTOR	1.0K 5% 1/6W	
	R 041	QRD161J-102	CARBON RESISTOR	1.0K 5% 1/6W	
	R 042	QRD161J-222	CARBON RESISTOR	2.2K 5% 1/6W	
	R 043	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W	
	R 044	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W	
	R 045	QRD161J-561	CARBON RESISTOR	560 5% 1/6W	
	R 047	QRD167J-562	CARBON RESISTOR	5.6K 5% 1/6W	
	R 048	QRD161J-331	CARBON RESISTOE	330 5% 1/6W	
	R 049	QRD161J-102	CARBON RESISTOR	1.0K 5% 1/6W	
	R 051	QRD161J-561	CARBON RESISTOR	560 5% 1/6W	
	R 052	QRD161J-472	CARBON RESISTOR	4.7K 5% 1/6W	
	R 053	QRD161J-471	CARBON RESISTOR	470 5% 1/6W	
	R 054	QRD161J-222	CARBON RESISTOR	2.2K 5% 1/6W	
	R 055	QRD161J-222	CARBON RESISTOR	2.2K 5% 1/6W	
	R 056	QRD167J-332	CARBON RESISTOR	3.3K 5% 1/6W	
	R 057	QRD161J-102	CARBON RESISTOR	1.0K 5% 1/6W	
	R 058	QRD161J-473	CARBON RESISTOR	47K 5% 1/6W	

BLOCK NO. 05

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
	T 001	VQT7F12-110	IFT	FM IF	
	T 002	VQT7A21-107	IFT		
	TC 01	QAT3722-100M	T CAPACITOR		
	TC 02	QAT3722-200ZM	T CAPACITOR	MW RF	
	TC 03	QAT3722-300ZM	T CAPACITOR	LW RF	
	TC 04	QAT3722-100M	T CAPACITOR		
	X 001	V472124-A0	CRYSTAL		

■ Leaf Switch P.C. board

BLOCK NO. 06

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
	CN 1	VMC0234-R11	CONNECTOR	LEAF SW BOARD	
	CN 2	VMC0234-R08	CONNECTOR	ACT/REEL MOTOR	
	S 1	VSH1170-001	LEAF SWITCH		
	S 2	VSH1170-001	LEAF SWITCH		
	S 3	VSH1170-001	LEAF SWITCH		
	S 4	VSH1170-001	LEAF SWITCH		
	S 5	VSH1170-001	LEAF SWITCH		
	S 6	VKS3616-00A	CAM SWITCH		

■ Tuner P.C. board (UX-T1 VX)

BLOCK NO. 07

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
	BP 01	VBP4W3B-005	B.PASS FILTER		
	C 001	QCS11HJ-200	C.CAPACITOR	20PF 5% 50V	
	C 002	QCBB1HK-102Y	C.CAPACITOR	1000PF 10% 50V	
	C 003	QCSB1HJ-100Y	C.CAPACITOR	10PF 10% 50V	
	C 004	QCSB1HJ-100Y	C.CAPACITOR	10PF 10% 50V	
	C 005	QCS11HJ-180	C.CAPACITOR	18PF 5% 50V	
	C 006	QCVB1CN-103Y	C.CAPACITOR	.010MF 30% 16V	
	C 007	QCS11HJ-200	C.CAPACITOR	20PF 5% 50V	
	C 008	QCVB1CN-103Y	C.CAPACITOR	.010MF 30% 16V	
	C 009	QCSB1HK-8R2Y	C.CAPACITOR	8.2PF 10% 50V	
	C 010	QCT30CH-2R2Y	C.CAPACITOR	2.2PF 5% 50V	
	C 011	QCVB1CN-103Y	C.CAPACITOR	.010MF 30% 16V	
	C 012	QCBB1HK-151Y	C.CAPACITOR	150PF 10% 50V	
	C 013	QCC11EM-223V	C.CAPACITOR	.022MF 20% 25V	
	C 014	QCBB1HK-102Y	C.CAPACITOR	1000PF 10% 50V	
	C 016	QCVB1CN-103Y	C.CAPACITOR	.010MF 30% 16V	
	C 017	QCFB1HZ-104Y	C.CAPACITOR	.10MF +80:-20%	
	C 018	QCVB1CN-103Y	C.CAPACITOR	.010MF 30% 16V	
	C 019	QCBB1HK-151Y	C.CAPACITOR	150PF 10% 50V	
	C 020	QEK61AM-107ZM	E.CAPACITOR	100MF 20% 10V	
	C 021	QCC11EM-473V	C.CAPACITOR	.047MF 20% 25V	
	C 022	QFP31HG-431ZM	PP.CAPACITOR	430PF 2% 50V	
	C 023	QCT30UJ-120Y	C.CAPACITOR	12PF 5% 50V	
	C 024	QCS11HJ-560	C.CAPACITOR	56PF 5% 50V	
	C 025	QEK41HM-104	E.CAPACITOR	.10MF 20% 50V	
	C 026	QCS11HJ-181	C.CAPACITOR	180PF 5% 50V	
	C 027	QCS11HJ-101	C.CAPACITOR	100PF 5% 50V	
	C 028	QCS11HJ-180	C.CAPACITOR	18PF 5% 50V	
	C 029	QEK40JM-227	E.CAPACITOR	220MF 20% 6.3V	
	C 030	QCVB1CN-103Y	C.CAPACITOR	.010MF 30% 16V	
	C 031	QCVB1CN-103Y	C.CAPACITOR	.010MF 30% 16V	
	C 032	QCVB1CN-103Y	C.CAPACITOR	.010MF 30% 16V	
	C 033	QEK61AM-107ZM	E.CAPACITOR	100MF 20% 10V	
	C 034	QCC31EM-333ZV	C.CAPACITOR	.033MF 20% 25V	
	C 035	QCC11EM-473V	C.CAPACITOR	.047MF 20% 25V	
	C 036	QEK41EM-475	E.CAPACITOR	4.7MF 20% 25V	
	C 037	QCVB1CN-103Y	C.CAPACITOR	.010MF 30% 16V	
	C 038	QCBB1HK-102Y	C.CAPACITOR	1000PF 10% 50V	
	C 039	QCC11EM-473V	C.CAPACITOR	.047MF 20% 25V	
	C 040	QEK61HM-335ZN	E.CAPACITOR	3.3MF 20% 50V	
	C 041	QEK61HM-335ZN	E.CAPACITOR	3.3MF 20% 50V	
	C 042	QCXB1CM-152Y	C.CAPACITOR	1500PF 20% 16V	
	C 043	QCVB1CN-103Y	C.CAPACITOR	.010MF 30% 16V	
	C 044	QEK41HM-104	E.CAPACITOR	.10MF 20% 50V	
	C 045	QEK41HM-474	E.CAPACITOR	.47MF 20% 50V	
	C 046	QEK41CM-106	E.CAPACITOR	10MF 20% 16V	
	C 047	QCC11EK-153ZV	C.CAPACITOR	.015MF 10% 25V	
	C 048	QCC11EK-153ZV	C.CAPACITOR	.015MF 10% 25V	
	C 049	QEK41HM-105	E.CAPACITOR	1.0MF 20% 50V	
	C 050	QEK41HM-105	E.CAPACITOR	1.0MF 20% 50V	
	C 053	QCS11HJ-150	C.CAPACITOR	15PF 5% 50V	
	C 059	QCBB1HK-102Y	C.CAPACITOR	1000PF 10% 50V	
	C 060	QCBB1HK-102Y	C.CAPACITOR	1000PF 10% 50V	
	C 061	QEK61AM-107ZM	E.CAPACITOR	100MF 20% 10V	
	C 062	QCSB1HJ-130Y	C.CAPACITOR	13PF 5% 50V	

BLOCK NO. 07

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
	C 063	QCC11EM-473V	C.CAPACITOR	.047MF 20% 25V	
	C 064	QCS11HJ-270	C.CAPACITOR	27PF 5% 50V	
	C 065	QCBB1HK-151Y	C.CAPACITOR	150PF 10% 50V	
	C 066	QCBB1HK-151Y	C.CAPACITOR	150PF 10% 50V	
	C 067	QCBB1HK-151Y	C.CAPACITOR	150PF 10% 50V	
	C 069	QCXB1CM-222Y	C.CAPACITOR	2200PF 20% 16V	
	C 070	QEK41HM-225	E.CAPACITOR	2.2MF 20% 50V	
	C 071	QEK61HM-335ZN	E.CAPACITOR	3.3MF 20% 50V	
	CF 01	VCF2L3B-105	CERAMIC FILTER		
	CF 02	VCF2L3B-105	CERAMIC FILTER		
	CF 03	VCF1Z2Z-105Z	CERAMIC FILTER		
	CF 04	CSB456F18	CERA LOCK		
	CN 01	TXLP-010-B	CONNECTOR	TO FUNCTION PWB	
	D 001	KV1370NT	VARI.CAPACITOR		
	D 002	KV1370NT	VARI.CAPACITOR		
	D 003	KV1370NT	VARI.CAPACITOR		
	D 004	KV1370NT	VARI.CAPACITOR		
	D 005	1SS133	SI DIODE		
	D 006	1SS133	SI DIODE		
	D 007	1SS133	SI DIODE		
	D 008	KV1550NTA	VARI.CAPACITOR		
	D 009	KV1550NTA	VARI.CAPACITOR		
	D 010	KV1550NTA	VARI.CAPACITOR		
	D 011	KV1550NTA	VARI.CAPACITOR		
	D 012	1SS133	SI DIODE		
	D 013	1SS133	SI DIODE		
	D 014	1SS133	SI DIODE		
	IC 01	TA7358P	IC		
	IC 02	TA8132AN	IC		
	IC 03	TC9216P	IC		
	J 001	YKD31-0442	ANT TERMINAL	FM ANT	
	J 002	EMB40YV-201K	ANT TERMINAL	AM ANT	
	L 001	VQF1B20-021	OSC COIL	FM OSC	
	L 002	VQF1B13-004	RF COIL	FM RF	
	L 003	VQZ0030-010	RF COIL(MW)	MW RF	
	L 004	VQM7U02-404	OSC COIL(MW)	MW OSC	
	L 005	VQZ0030-008	RF COIL(LW)	LW RF	
	L 006	VQL7U02-502	OSC COIL(LW)	LW OSC	
	L 007	VQP0018-4R7	INDUCTOR		
	L 008	VQP0018-221	INDUCTOR		
	L 009	VQP0018-4R7	INDUCTOR		
	L 010	VQP0018-4R7	INDUCTOR		
	L 011	VQP0018-4R7	INDUCTOR		
	L 012	V03047-16	RF COIL		
	Q 001	2SC2668(O)	TRANSISTOR		
	Q 002	2SD1302	TRANSISTOR		
	Q 003	2SC2668(O)	TRANSISTOR		
	Q 004	2SA1175	TRANSISTOR		
	Q 005	2SD1302	TRANSISTOR		
	Q 006	2SC2785	TRANSISTOR		
	Q 007	2SC2668(O)	TRANSISTOR		
	Q 008	DTC114YS	TRANSISTOR		
	Q 009	DTA114YS	TRANSISTOR		
	Q 010	DTA114YS	TRANSISTOR		
	Q 011	DTA114YS	TRANSISTOR		

BLOCK NO. 07

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
	Q 012	2SC2785	TRANSISTOR		
	Q 013	2SC2785	TRANSISTOR		
	Q 014	2SA1175	TRANSISTOR		
	Q 015	DTC124ES	TRANSISTOR		
	R 001	QRD161J-104	CARBON RESISTOR	100K 5% 1/6W	
	R 002	QRD161J-473	CARBON RESISTOR	47K 5% 1/6W	
	R 003	QRD167J-4R7	CARBON RESISTOR	4.7 5% 1/6W	
	R 004	QRD161J-102	CARBON RESISTOR	1.0K 5% 1/6W	
	R 005	QRD161J-823	CARBON RESISTOR	82K 5% 1/6W	
	R 006	QRD161J-101	CARBON RESISTOR	100 5% 1/6W	
	R 008	QRD161J-101	CARBON RESISTOR	100 5% 1/6W	
	R 009	QRD161J-102	CARBON RESISTOR	1.0K 5% 1/6W	
	R 010	QRD161J-101	CARBON RESISTOR	100 5% 1/6W	
	R 011	QRD161J-222	CARBON RESISTOR	2.2K 5% 1/6W	
	R 012	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W	
	R 013	QRD161J-104	CARBON RESISTOR	100K 5% 1/6W	
	R 014	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W	
	R 015	QRD161J-222	CARBON RESISTOR	2.2K 5% 1/6W	
	R 016	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W	
	R 017	QRD161J-104	CARBON RESISTOR	100K 5% 1/6W	
	R 018	QRD161J-102	CARBON RESISTOR	1.0K 5% 1/6W	
	R 019	QRD161J-222	CARBON RESISTOR	2.2K 5% 1/6W	
	R 020	QRD161J-102	CARBON RESISTOR	1.0K 5% 1/6W	
	R 021	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W	
	R 022	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W	
	R 024	QRD161J-331	CARBON RESISTOE	330 5% 1/6W	
	R 025	QRD161J-394	CARBON RESISTOR	390K 5% 1/6W	
	R 027	QRD161J-331	CARBON RESISTOE	330 5% 1/6W	
	R 029	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W	
	R 030	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W	
	R 031	QRD161J-183	CARBON RESISTOR	18K 5% 1/6W	
	R 032	QRD161J-223	CARBON RESISTOR	22K 5% 1/6W	
	R 033	QRD161J-472	CARBON RESISTOR	4.7K 5% 1/6W	
	R 034	QRD161J-222	CARBON RESISTOR	2.2K 5% 1/6W	
	R 035	QRD161J-222	CARBON RESISTOR	2.2K 5% 1/6W	
	R 036	QRD161J-222	CARBON RESISTOR	2.2K 5% 1/6W	
	R 037	QRD161J-560	CARBON RESISTOR	56 5% 1/6W	
	R 040	QRD161J-102	CARBON RESISTOR	1.0K 5% 1/6W	
	R 041	QRD161J-102	CARBON RESISTOR	1.0K 5% 1/6W	
	R 042	QRD161J-222	CARBON RESISTOR	2.2K 5% 1/6W	
	R 043	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W	
	R 044	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W	
	R 045	QRD161J-561	CARBON RESISTOR	560 5% 1/6W	
	R 047	QRD167J-562	CARBON RESISTOR	5.6K 5% 1/6W	
	R 048	QRD161J-331	CARBON RESISTOE	330 5% 1/6W	
	R 049	QRD161J-102	CARBON RESISTOR	1.0K 5% 1/6W	
	R 051	QRD161J-561	CARBON RESISTOR	560 5% 1/6W	
	R 052	QRD161J-472	CARBON RESISTOR	4.7K 5% 1/6W	
	R 053	QRD161J-471	CARBON RESISTOR	470 5% 1/6W	
	R 054	QRD161J-222	CARBON RESISTOR	2.2K 5% 1/6W	
	R 055	QRD161J-222	CARBON RESISTOR	2.2K 5% 1/6W	
	R 056	QRD167J-332	CARBON RESISTOR	3.3K 5% 1/6W	
	R 057	QRD161J-102	CARBON RESISTOR	1.0K 5% 1/6W	
	R 058	QRD161J-473	CARBON RESISTOR	47K 5% 1/6W	
	T 001	VQT7F12-110	IFT	FM IF	
	T 002	VQT7A21-107	IFT		
	TC 02	QAT3722-200ZM	T.CAPACITOR	MW RF	
	TC 03	QAT3722-300ZM	T.CAPACITOR	LW RF	
	X 001	V472124-A0	CRYSTAL		

■ Tuner P.C. board (UX-T1 G/GI)

BLOCK NO. 08

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
	BP 01	EQF0201-006	B.P.FILTER		
	C 001	QCT30CH-200Y	C.CAPACITOR	20PF 5% 50V	
	C 003	QCSB1HK-3R3Y	C.CAPACITOR	3.3PF 10% 50V	
	C 004	QCSB1HM-1R5Y	C.CAPACITOR	1.5PF 20% 50V	
	C 006	QCVB1CN-103Y	C.CAPACITOR	.010MF 30% 16V	
	C 007	QCT30CH-200Y	C.CAPACITOR	20PF 5% 50V	
	C 008	QCVB1CN-103Y	C.CAPACITOR	.010MF 30% 16V	
	C 009	QCT30UJ-8R2Y	C.CAPACITOR	8.2PF 5% 50V	
	C 010	QCSB1HM-1R0Y	C.CAPACITOR	1.0PF 20% 50V	
	C 011	QCVB1CN-103Y	C.CAPACITOR	.010MF 30% 16V	
	C 012	QCBB1HK-151Y	C.CAPACITOR	150PF 10% 50V	
	C 013	QCC11EM-223V	C.CAPACITOR	.022MF 20% 25V	
	C 014	QCBB1HK-102Y	C.CAPACITOR	1000PF 10% 50V	
	C 016	QCVB1CN-103Y	C.CAPACITOR	.010MF 30% 16V	
	C 017	QCFB1HZ-104Y	C.CAPACITOR	.10MF +80:-20%	
	C 018	QCVB1CN-103Y	C.CAPACITOR	.010MF 30% 16V	
	C 019	QCT30UJ-8R2Y	C.CAPACITOR	8.2PF 5% 50V	
	C 020	QEK61AM-107ZM	E.CAPACITOR	100MF 20% 10V	
	C 021	QCC11EM-473V	C.CAPACITOR	.047MF 20% 25V	
	C 022	QFP31HG-431ZM	PP.CAPACITOR	430PF 2% 50V	
	C 023	QCT30UJ-120Y	C.CAPACITOR	12PF 5% 50V	
	C 024	QCS11HJ-560	C.CAPACITOR	56PF 5% 50V	
	C 025	QEK41HM-104	E.CAPACITOR	.10MF 20% 50V	
	C 026	QCS11HJ-181	C.CAPACITOR	180PF 5% 50V	
	C 027	QCS11HJ-101	C.CAPACITOR	100PF 5% 50V	
	C 028	QCS11HJ-180	C.CAPACITOR	18PF 5% 50V	
	C 029	QEK40JM-227	E.CAPACITOR	220MF 20% 6.3V	
	C 030	QCF11HP-103	C.CAPACITOR	.010MF +100:-0%	
	C 031	QCVB1CN-103Y	C.CAPACITOR	.010MF 30% 16V	
	C 032	QCC11EM-473V	C.CAPACITOR	.047MF 20% 25V	
	C 033	QEK61AM-107ZM	E.CAPACITOR	100MF 20% 10V	
	C 034	QCC31EM-333ZV	C.CAPACITOR	.033MF 20% 25V	
	C 035	QCC11EM-473V	C.CAPACITOR	.047MF 20% 25V	
	C 036	QEK41EM-475	E.CAPACITOR	4.7MF 20% 25V	
	C 037	QCVB1CN-103Y	C.CAPACITOR	.010MF 30% 16V	
	C 038	QCBB1HK-102Y	C.CAPACITOR	1000PF 10% 50V	
	C 039	QCC11EM-473V	C.CAPACITOR	.047MF 20% 25V	
	C 040	QEK61HM-335ZN	E.CAPACITOR	3.3MF 20% 50V	
	C 041	QEK41CM-106	E.CAPACITOR	10MF 20% 16V	
	C 042	QCBB1HK-102Y	C.CAPACITOR	1000PF 10% 50V	
	C 043	QCVB1CN-103Y	C.CAPACITOR	.010MF 30% 16V	
	C 044	QEK41HM-104	E.CAPACITOR	.10MF 20% 50V	
	C 045	QEK41HM-474	E.CAPACITOR	.47MF 20% 50V	
	C 046	QEK41CM-106	E.CAPACITOR	10MF 20% 16V	
	C 047	QCC31EM-153ZV	C.CAPACITOR	.015MF 20% 25V	
	C 048	QCC31EM-153ZV	C.CAPACITOR	.015MF 20% 25V	
	C 049	QEK41HM-105	E.CAPACITOR	1.0MF 20% 50V	
	C 050	QEK41HM-105	E.CAPACITOR	1.0MF 20% 50V	
	C 051	QEK61HM-335ZN	E.CAPACITOR	3.3MF 20% 50V	
	C 052	QCBB1HK-391Y	C.CAPACITOR	390PF 10% 50V	
	C 053	QCS11HJ-180	C.CAPACITOR	18PF 5% 50V	
	C 054	QCC11EM-223V	C.CAPACITOR	.022MF 20% 25V	
	C 055	QCSB1HM-1R5Y	C.CAPACITOR	1.5PF 20% 50V	
	C 058	QCBB1HK-151Y	C.CAPACITOR	150PF 10% 50V	
	C 059	QCBB1HK-102Y	C.CAPACITOR	1000PF 10% 50V	

BLOCK NO. 08

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
	C 060	QCBB1HK-102Y	C.CAPACITOR	1000PF 10% 50V	
	C 061	QEK61AM-107ZM	E.CAPACITOR	100MF 20% 10V	
	C 062	QCT30UJ-120Y	C.CAPACITOR	12PF 5% 50V	
	C 063	QCC11EM-473V	C.CAPACITOR	.047MF 20% 25V	
	C 064	QCS11HJ-270	C.CAPACITOR	27PF 5% 50V	
	C 065	QCBB1HK-151Y	C.CAPACITOR	150PF 10% 50V	
	C 066	QCBB1HK-151Y	C.CAPACITOR	150PF 10% 50V	
	C 069	QCXB1CM-222Y	C.CAPACITOR	2200PF 20% 16V	
	C 070	QEK41HM-225	E.CAPACITOR	2.2MF 20% 50V	
	C 071	QEK61HM-335ZN	E.CAPACITOR	3.3MF 20% 50V	
	C 090	QCS31HJ-390Z	C.CAPACITOR	39PF 5% 50V	
	CF 01	VCF2M3B-104	CERAMIC FILTER		
	CF 02	VCF2S3B-102	C FILTER		
	CF 03	VCF1Z2Z-108Z	CERAMIC FILTER		
	CF 04	CSB456F18	CERA LOCK		
	CN 01	TXLP-010-B	CONNECTOR	TO FUNCTION PWB	
	D 001	KV1350NT	VARI.CAPACITOR		
	D 002	KV1350NT	VARI.CAPACITOR		
	D 003	KV1350NT	VARI.CAPACITOR		
	D 004	KV1350NT	VARI.CAPACITOR		
	D 005	KV1350NT	VARI.CAPACITOR		
	D 006	KV1350NT	VARI.CAPACITOR		
	D 008	KV1550NTA	VARI.CAPACITOR		
	D 009	KV1550NTA	VARI.CAPACITOR		
	D 010	KV1550NTA	VARI.CAPACITOR		
	D 011	KV1550NTA	VARI.CAPACITOR		
	D 012	1SS133	SI DIODE		
	D 013	1SS133	SI DIODE		
	D 014	1SS133	SI DIODE		
	IC 01	TA7358P	I.C(MONO-ANA)		
	IC 02	TA8132AN	IC		
	IC 03	TC9216P	IC		
	J 001	YKD31-0442	ANT TERMINAL	FM ANT	
	J 002	EMB40YV-201K	ANT TERMINAL	AM ANT	
	L 001	VQF1B20-021	OSC COIL	FM OSC	
	L 002	VQF1B12-012	RF COIL	FM RF	
	L 003	VQZ0030-010	RF COIL(MW)	MW RF	
	L 004	VQM7U02-404	OSC COIL(MW)	MW OSC	
	L 005	VQZ0030-008	RF COIL(LW)	LW RF	
	L 006	VQL7U02-502	OSC COIL(LW)	LW OSC	
	L 007	VQP0018-4R7	INDUCTOR		
	L 008	VQP0018-221	INDUCTOR		
	L 009	VQP0018-4R7	INDUCTOR		
	L 010	VQP0018-4R7	INDUCTOR		
	L 011	VQP0018-4R7	INDUCTOR		
	L 012	VQZ0069-002	TRAP COIL	114KHZ TRAP	
	L 013	VQF1B12-013	RF COIL	FM RF	
	L 014	VQZ0048-007	INDUCTOR		
	L 017	VQP0018-4R7	INDUCTOR		
	Q 001	2SC2668(O)	TRANSISTOR		
	Q 002	2SD1302	TRANSISTOR		
	Q 003	2SC2668(O)	TRANSISTOR		
	Q 004	2SA1175	TRANSISTOR		
	Q 005	2SD1302	TRANSISTOR		
	Q 006	2SC2785	TRANSISTOR		

BLOCK NO. 08

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
	Q 007	2SC2668(O)	TRANSISTOR		
	Q 008	DTC114YS	TRANSISTOR		
	Q 009	DTA114YS	TRANSISTOR		
	Q 010	DTA114YS	TRANSISTOR		
	Q 011	DTA114YS	TRANSISTOR		
	Q 012	2SC2785	TRANSISTOR		
	Q 013	2SC2785	TRANSISTOR		
	Q 014	2SA1175	TRANSISTOR		
	Q 015	DTC124ES	TRANSISTOR		
	Q 016	2SC2785	TRANSISTOR		
	R 001	QRD161J-104	CARBON RESISTOR	100K 5% 1/6W	
	R 002	QRD161J-473	CARBON RESISTOR	47K 5% 1/6W	
	R 004	QRD161J-102	CARBON RESISTOR	1.0K 5% 1/6W	
	R 005	QRD161J-823	CARBON RESISTOR	82K 5% 1/6W	
	R 006	QRD161J-101	CARBON RESISTOR	100 5% 1/6W	
	R 008	QRD161J-331	CARBON RESISTOE	330 5% 1/6W	
	R 009	QRD161J-102	CARBON RESISTOR	1.0K 5% 1/6W	
	R 010	QRD161J-101	CARBON RESISTOR	100 5% 1/6W	
	R 011	QRD161J-222	CARBON RESISTOR	2.2K 5% 1/6W	
	R 012	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W	
	R 013	QRD161J-104	CARBON RESISTOR	100K 5% 1/6W	
	R 014	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W	
	R 015	QRD161J-222	CARBON RESISTOR	2.2K 5% 1/6W	
	R 016	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W	
	R 017	QRD161J-104	CARBON RESISTOR	100K 5% 1/6W	
	R 018	QRD161J-102	CARBON RESISTOR	1.0K 5% 1/6W	
	R 019	QRD161J-222	CARBON RESISTOR	2.2K 5% 1/6W	
	R 020	QRD161J-102	CARBON RESISTOR	1.0K 5% 1/6W	
	R 021	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W	
	R 022	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W	
	R 025	QRD161J-224	CARBON RESISTOR	220K 5% 1/6W	
	R 027	QRD161J-331	CARBON RESISTOE	330 5% 1/6W	
	R 029	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W	
	R 030	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W	
	R 031	QRD167J-682	CARBON RESISTOR	6.8K 5% 1/6W	
	R 032	QRD161J-223	CARBON RESISTOR	22K 5% 1/6W	
	R 033	QRD161J-472	CARBON RESISTOR	4.7K 5% 1/6W	
	R 034	QRD161J-222	CARBON RESISTOR	2.2K 5% 1/6W	
	R 035	QRD161J-222	CARBON RESISTOR	2.2K 5% 1/6W	
	R 036	QRD161J-222	CARBON RESISTOR	2.2K 5% 1/6W	
	R 037	QRD161J-560	CARBON RESISTOR	56 5% 1/6W	
	R 038	QRD161J-473	CARBON RESISTOR	47K 5% 1/6W	
	R 039	QRD161J-102	CARBON RESISTOR	1.0K 5% 1/6W	
	R 040	QRD161J-102	CARBON RESISTOR	1.0K 5% 1/6W	
	R 041	QRD161J-102	CARBON RESISTOR	1.0K 5% 1/6W	
	R 042	QRD161J-222	CARBON RESISTOR	2.2K 5% 1/6W	
	R 043	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W	
	R 044	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W	
	R 045	QRD161J-561	CARBON RESISTOR	560 5% 1/6W	
	R 047	QRD161J-472	CARBON RESISTOR	4.7K 5% 1/6W	
	R 048	QRD161J-331	CARBON RESISTOE	330 5% 1/6W	
	R 049	QRD161J-102	CARBON RESISTOR	1.0K 5% 1/6W	
	R 051	QRD161J-561	CARBON RESISTOR	560 5% 1/6W	
	R 052	QRD161J-472	CARBON RESISTOR	4.7K 5% 1/6W	
	R 053	QRD161J-471	CARBON RESISTOR	470 5% 1/6W	

BLOCK NO. 08

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
	R 054	QRD161J-222	CARBON RESISTOR	2.2K 5% 1/6W	
	R 055	QRD161J-222	CARBON RESISTOR	2.2K 5% 1/6W	
	R 056	QRD167J-332	CARBON RESISTOR	3.3K 5% 1/6W	
	R 057	QRD161J-102	CARBON RESISTOR	1.0K 5% 1/6W	
	R 058	QRD161J-473	CARBON RESISTOR	47K 5% 1/6W	
	R 060	QRD161J-393	CARBON RESISTOR	39K 5% 1/6W	
	R 061	QRD161J-823	CARBON RESISTOR	82K 5% 1/6W	
	R 062	QRD161J-122	CARBON RESISTOR	1.2K 5% 1/6W	
	R 063	QRD161J-222	CARBON RESISTOR	2.2K 5% 1/6W	
	R 064	QRD167J-332	CARBON RESISTOR	3.3K 5% 1/6W	
	T 001	VQT7F12-110	IFT	FM IF	
	T 002	VQT7A21-107	IFT		
	TC 01	QAT3722-100M	T.CAPACITOR		
	TC 02	QAT3722-200ZM	T.CAPACITOR	MW RF	
	TC 03	QAT3722-300ZM	T.CAPACITOR	LW RF	
	TC 04	QAT3722-100M	T.CAPACITOR	FM RF	
	X 001	V472124-A0	CRYSTAL		

■ Tuner P.C. board (UX-T1 B)

BLOCK NO. 09

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
	BP 01	VBP4M3B-005	B.PASS FILTER		
	C 001	QCS11HJ-200	C.CAPACITOR	20PF 5% 50V	
	C 002	QCBB1HK-102Y	C.CAPACITOR	1000PF 10% 50V	
	C 003	QCSB1HJ-130Y	C.CAPACITOR	13PF 5% 50V	
	C 004	QCT30UJ-100Y	C.CAPACITOR	10PF 5% 50V	
	C 005	QCT30UJ-180Y	C.CAPACITOR	18PF 5% 50V	
	C 006	QCVB1CN-103Y	C.CAPACITOR	.010MF 30% 16V	
	C 007	QCT30CH-200Y	C.CAPACITOR	20PF 5% 50V	
	C 008	QCVB1CN-103Y	C.CAPACITOR	.010MF 30% 16V	
	C 009	QCT30UJ-100Y	C.CAPACITOR	10PF 5% 50V	
	C 010	QCT30CH-2R2Y	C.CAPACITOR	2.2PF 5% 50V	
	C 011	QCVB1CN-103Y	C.CAPACITOR	.010MF 30% 16V	
	C 012	QCBB1HK-151Y	C.CAPACITOR	150PF 10% 50V	
	C 013	QCC11EM-223V	C.CAPACITOR	.022MF 20% 25V	
	C 014	QCBB1HK-102Y	C.CAPACITOR	1000PF 10% 50V	
	C 016	QCVB1CN-103Y	C.CAPACITOR	.010MF 30% 16V	
	C 017	QCFB1HZ-104Y	C.CAPACITOR	.10MF +80:-20%	
	C 018	QCVB1CN-103Y	C.CAPACITOR	.010MF 30% 16V	
	C 019	QCBB1HK-151Y	C.CAPACITOR	150PF 10% 50V	
	C 020	QEK61AM-107ZM	E.CAPACITOR	100MF 20% 10V	
	C 021	QCC11EM-473V	C.CAPACITOR	.047MF 20% 25V	
	C 022	QFP31HG-431ZM	PP.CAPACITOR	430PF 2% 50V	
	C 023	QCT30UJ-120Y	C.CAPACITOR	12PF 5% 50V	
	C 024	QCS11HJ-560	C.CAPACITOR	56PF 5% 50V	
	C 025	QEK41HM-104	E.CAPACITOR	.10MF 20% 50V	
	C 026	QCS11HJ-181	C.CAPACITOR	180PF 5% 50V	
	C 027	QCS11HJ-101	C.CAPACITOR	100PF 5% 50V	
	C 028	QCS11HJ-180	C.CAPACITOR	18PF 5% 50V	
	C 029	QEK40JM-227	E.CAPACITOR	220MF 20% 6.3V	
	C 030	QCVB1CN-103Y	C.CAPACITOR	.010MF 30% 16V	
	C 031	QCVB1CN-103Y	C.CAPACITOR	.010MF 30% 16V	
	C 032	QCVB1CN-103Y	C.CAPACITOR	.010MF 30% 16V	
	C 033	QEK61AM-107ZM	E.CAPACITOR	100MF 20% 10V	
	C 034	QCC31EM-333ZV	C.CAPACITOR	.033MF 20% 25V	
	C 035	QCC11EM-473V	C.CAPACITOR	.047MF 20% 25V	
	C 036	QEK41EM-475	E.CAPACITOR	4.7MF 20% 25V	
	C 037	QCVB1CN-103Y	C.CAPACITOR	.010MF 30% 16V	
	C 038	QCBB1HK-102Y	C.CAPACITOR	1000PF 10% 50V	
	C 039	QCC11EM-473V	C.CAPACITOR	.047MF 20% 25V	
	C 040	QEK61HM-335ZN	E.CAPACITOR	3.3MF 20% 50V	
	C 041	QEK61HM-335ZN	E.CAPACITOR	3.3MF 20% 50V	
	C 042	QCXB1CM-152Y	C.CAPACITOR	1500PF 20% 16V	
	C 043	QCVB1CN-103Y	C.CAPACITOR	.010MF 30% 16V	
	C 044	QEK41HM-104	E.CAPACITOR	.10MF 20% 50V	
	C 045	QEK41HM-474	E.CAPACITOR	.47MF 20% 50V	
	C 046	QEK41CM-106	E.CAPACITOR	10MF 20% 16V	
	C 047	QCC11EK-153ZV	C.CAPACITOR	.015MF 10% 25V	
	C 048	QCC11EK-153ZV	C.CAPACITOR	.015MF 10% 25V	
	C 049	QEK41HM-105	E.CAPACITOR	1.0MF 20% 50V	
	C 050	QEK41HM-105	E.CAPACITOR	1.0MF 20% 50V	
	C 053	QCS11HJ-150	C.CAPACITOR	15PF 5% 50V	
	C 059	QCBB1HK-102Y	C.CAPACITOR	1000PF 10% 50V	
	C 060	QCBB1HK-102Y	C.CAPACITOR	1000PF 10% 50V	
	C 061	QEK61AM-107ZM	E.CAPACITOR	100MF 20% 10V	
	C 062	QCSB1HJ-130Y	C.CAPACITOR	13PF 5% 50V	

BLOCK NO. 09

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
	C 063	QCC11EM-473V	C.CAPACITOR	.047MF 20% 25V	
	C 064	QCS11HJ-270	C.CAPACITOR	27PF 5% 50V	
	C 065	QCBB1HK-151Y	C.CAPACITOR	150PF 10% 50V	
	C 066	QCBB1HK-151Y	C.CAPACITOR	150PF 10% 50V	
	C 067	QCBB1HK-151Y	C.CAPACITOR	150PF 10% 50V	
	C 069	QCXB1CM-222Y	C.CAPACITOR	2200PF 20% 16V	
	C 070	QEK41HM-225	E.CAPACITOR	2.2MF 20% 50V	
	C 071	QEK61HM-335ZN	E.CAPACITOR	3.3MF 20% 50V	
	C 090	QCBB1HK-102Y	C.CAPACITOR	1000PF 10% 50V	
	CF 01	VCF2L3B-105	CERAMIC FILTER		
	CF 02	VCF2L3B-105	CERAMIC FILTER		
	CF 03	VCF1Z2Z-105Z	CERAMIC FILTER		
	CF 04	CSB456F18	CERA LOCK		
	CN 01	TXLP-010-B	CONNECTOR	TO FUNCTION PWB	
	D 001	KV1350NT	VARI.CAPACITOR		
	D 002	KV1350NT	VARI.CAPACITOR		
	D 003	KV1350NT	VARI.CAPACITOR		
	D 004	KV1350NT	VARI.CAPACITOR		
	D 005	1SS133	SI DIODE		
	D 006	1SS133	SI DIODE		
	D 007	1SS133	SI DIODE		
	D 008	KV1550NTA	VARI.CAPACITOR		
	D 009	KV1550NTA	VARI.CAPACITOR		
	D 010	KV1550NTA	VARI.CAPACITOR		
	D 011	KV1550NTA	VARI.CAPACITOR		
	D 012	1SS133	SI DIODE		
	D 013	1SS133	SI DIODE		
	D 014	1SS133	SI DIODE		
	IC 01	TA7358P	IC		
	IC 02	TA8132AN	IC		
	IC 03	TC9216P	IC		
	J 001	YKD31-0442	ANT TERMINAL	FM ANT	
	J 002	EMB40YV-201K	ANT TERMINAL	AM ANT	
	L 001	VQF1B20-019	OSC COIL	FM OSC	
	L 002	VQF1B12-012	RF COIL	FM RF	
	L 003	VQZ0030-010	RF COIL(MW)	MW RF	
	L 004	VQM7U02-404	OSC COIL(MW)	MW OSC	
	L 005	VQZ0030-008	RF COIL(LW)	LW RF	
	L 006	VQL7U02-502	OSC COIL(LW)	LW OSC	
	L 007	VQP0018-4R7	INDUCTOR		
	L 008	VQP0018-221	INDUCTOR		
	L 009	VQP0018-4R7	INDUCTOR		
	L 010	VQP0018-4R7	INDUCTOR		
	L 011	VQP0018-4R7	INDUCTOR		
	L 012	V03047-16	RF COIL		
	Q 001	2SC2668(O)	TRANSISTOR		
	Q 002	2SD1302	TRANSISTOR		
	Q 003	2SC2668(O)	TRANSISTOR		
	Q 004	2SA1175	TRANSISTOR		
	Q 005	2SD1302	TRANSISTOR		
	Q 006	2SC2785	TRANSISTOR		
	Q 007	2SC2668(O)	TRANSISTOR		
	Q 008	DTC114YS	TRANSISTOR		
	Q 009	DTA114YS	TRANSISTOR		
	Q 010	DTA114YS	TRANSISTOR		

BLOCK NO. 09

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
	Q 011	DTA114YS	TRANSISTOR		
	Q 012	2SC2785	TRANSISTOR		
	Q 013	2SC2785	TRANSISTOR		
	Q 014	2SA1175	TRANSISTOR		
	Q 015	DTC124ES	TRANSISTOR		
	R 001	QRD161J-104	CARBON RESISTOR	100K 5% 1/6W	
	R 002	QRD161J-473	CARBON RESISTOR	47K 5% 1/6W	
	R 003	QRD167J-4R7	CARBON RESISTOR	4.7 5% 1/6W	
	R 004	QRD161J-102	CARBON RESISTOR	1.0K 5% 1/6W	
	R 005	QRD161J-823	CARBON RESISTOR	82K 5% 1/6W	
	R 006	QRD161J-101	CARBON RESISTOR	100 5% 1/6W	
	R 008	QRD161J-101	CARBON RESISTOR	100 5% 1/6W	
	R 009	QRD161J-102	CARBON RESISTOR	1.0K 5% 1/6W	
	R 010	QRD161J-101	CARBON RESISTOR	100 5% 1/6W	
	R 011	QRD161J-222	CARBON RESISTOR	2.2K 5% 1/6W	
	R 012	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W	
	R 013	QRD161J-104	CARBON RESISTOR	100K 5% 1/6W	
	R 014	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W	
	R 015	QRD161J-222	CARBON RESISTOR	2.2K 5% 1/6W	
	R 016	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W	
	R 017	QRD161J-104	CARBON RESISTOR	100K 5% 1/6W	
	R 018	QRD161J-102	CARBON RESISTOR	1.0K 5% 1/6W	
	R 019	QRD161J-222	CARBON RESISTOR	2.2K 5% 1/6W	
	R 020	QRD161J-102	CARBON RESISTOR	1.0K 5% 1/6W	
	R 021	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W	
	R 022	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W	
	R 024	QRD161J-331	CARBON RESISTOE	330 5% 1/6W	
	R 025	QRD161J-394	CARBON RESISTOR	390K 5% 1/6W	
	R 026	QRD161J-100	CARBON RESISTOR	10 5% 1/6W	
	R 027	QRD161J-331	CARBON RESISTOE	330 5% 1/6W	
	R 029	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W	
	R 030	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W	
	R 031	QRD161J-183	CARBON RESISTOR	18K 5% 1/6W	
	R 032	QRD161J-223	CARBON RESISTOR	22K 5% 1/6W	
	R 033	QRD161J-472	CARBON RESISTOR	4.7K 5% 1/6W	
	R 034	QRD161J-222	CARBON RESISTOR	2.2K 5% 1/6W	
	R 035	QRD161J-222	CARBON RESISTOR	2.2K 5% 1/6W	
	R 036	QRD161J-222	CARBON RESISTOR	2.2K 5% 1/6W	
	R 037	QRD161J-560	CARBON RESISTOR	56 5% 1/6W	
	R 040	QRD161J-102	CARBON RESISTOR	1.0K 5% 1/6W	
	R 041	QRD161J-102	CARBON RESISTOR	1.0K 5% 1/6W	
	R 042	QRD161J-222	CARBON RESISTOR	2.2K 5% 1/6W	
	R 043	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W	
	R 044	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W	
	R 045	QRD161J-561	CARBON RESISTOR	560 5% 1/6W	
	R 047	QRD167J-562	CARBON RESISTOR	5.6K 5% 1/6W	
	R 048	QRD161J-331	CARBON RESISTOE	330 5% 1/6W	
	R 049	QRD161J-102	CARBON RESISTOR	1.0K 5% 1/6W	
	R 051	QRD161J-561	CARBON RESISTOR	560 5% 1/6W	
	R 052	QRD161J-472	CARBON RESISTOR	4.7K 5% 1/6W	
	R 053	QRD161J-471	CARBON RESISTOR	470 5% 1/6W	
	R 054	QRD161J-222	CARBON RESISTOR	2.2K 5% 1/6W	
	R 055	QRD161J-222	CARBON RESISTOR	2.2K 5% 1/6W	
	R 056	QRD167J-332	CARBON RESISTOR	3.3K 5% 1/6W	
	R 057	QRD161J-102	CARBON RESISTOR	1.0K 5% 1/6W	

BLOCK NO. 09

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
	R 058	QRD161J-473	CARBON RESISTOR	47K 5% 1/6W	
	T 001	VQT7F12-110	IFT	FM IF	
	T 002	VQT7A21-107	IFT		
	TC 02	QAT3722-200ZM	T.CAPACITOR	MW RF	
	TC 03	QAT3722-300ZM	T.CAPACITOR	LW RF	
	X 001	V472124-A0	CRYSTAL		

14 Illustration of Packing and Parts List

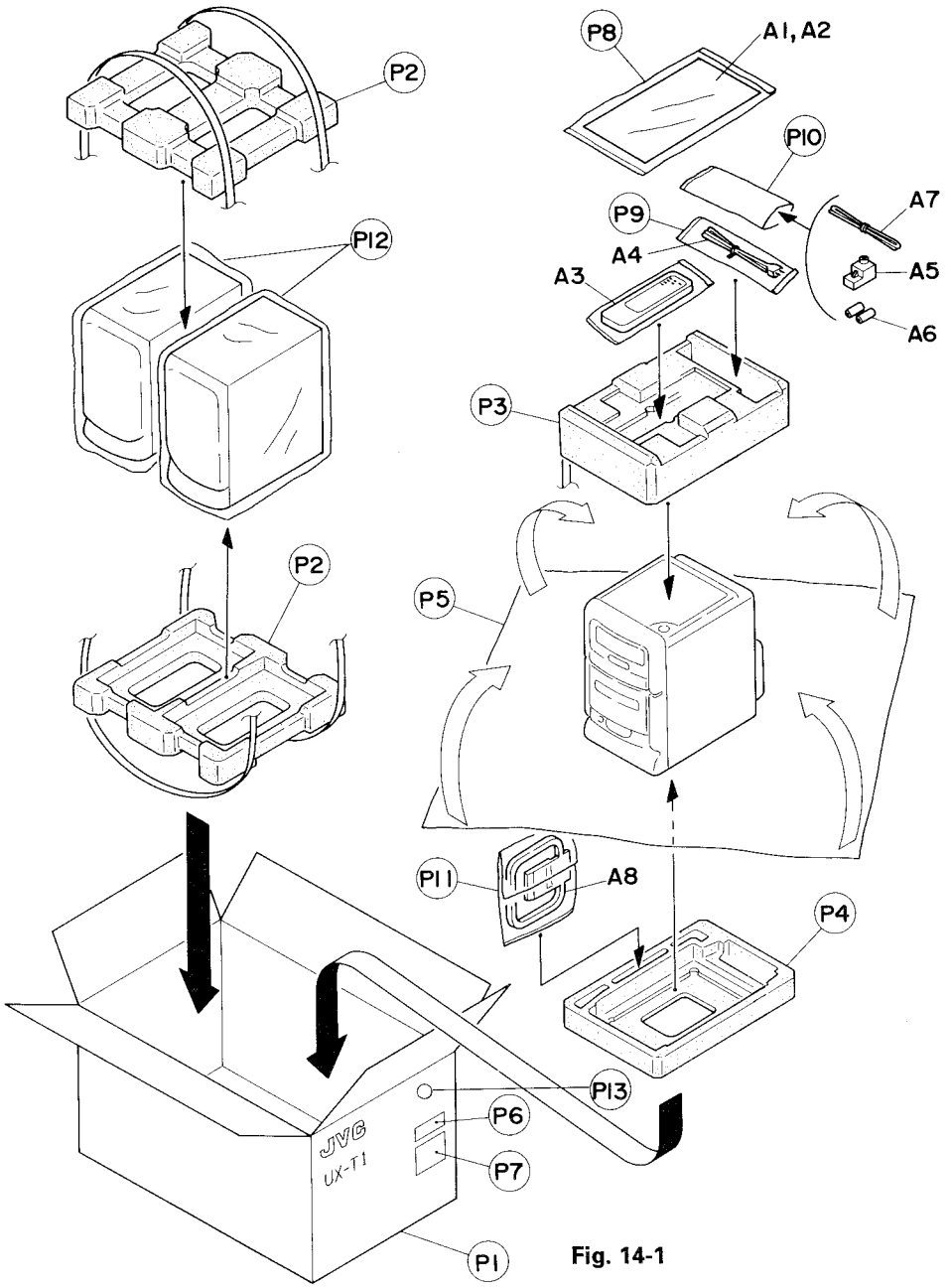

Fig. 14-1

■ Packing parts list

BLOCK NO. M8MM□□□

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	QTY	SUFFIX	CLR
	P 1	VPC9212-005	CARTON ASSY	BLACK	1		
		VPC9212-M105VE	CARTON ASSY	WHITE	1		
	P 2	DH404-UX-T1	SIDE CUSHION	FOR SPEAKER	2		
	P 3	VPH1632-001	CUSHION		1		
	P 4	VPH1633-001	CUSHION		1		
	P 5	VPE3005-071	POLY SHEET	FOR SET	1		
	P 6	VND3025-186	BAR CODE LABEL	BLACK	1		
		VND3025-203	BAR CODE LABEL	WHITE	1		
	P 7	VND3044-003	SERIAL TICKET		1	E	
		VND3044-004	SERIAL TICKET		1	B	
		VND3044-005	SERIAL TICKET		1	G	
		VND3044-001	SERIAL TICKET		1	GI,VX,EN	
	P 8	VPE3005-007	POLY BAG	INSTRUCTIONS	1		
	P 9	QPGA015-03503	POLY BAG	FOR POWER CORD	1		
	P 10	QPGA010-03003	POLY.BAG	ACCESSORIES	1		
	P 11	VPE3005-042	POLY BAG	FOR AM ANT	1		
	P 12	MIRRORBAG-SK015	POLY BAG	FOR SPEAKER	2		
	P 13	QZLA001-012	APPROVAL MARK		1		

■ Accessories

BLOCK NO. M9MM

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	QTY	SUFFIX	CLR
	A 1	VNN9212-264M	INSTRUCTIONS	DUTC,GERM,FREN	1	E,G	
		VNN9212-253M	INSTRUCTIONS	ENGL,SPAN,ITAL	1	B,GI	
		VNN9212-264M	INSTRUCTIONS		1	EN	
		VNN9212-272M	INSTRUCTIONS		1	EN	
		VNN9212-911M	INSTRUCTIONS		1	VX	
		VNN9212-921M	INSTRUCTIONS		1	VX	
	A 2	QZLA001-005	APPROVAL MARK		1	G	
		BT-20135	WARRANTY CARD		1	G	
		E43486-340B	SAFETY SHEET		1	B	
		BT-20066A	WARRANTY CARD		1	B,G	
		BT20060	WARRANTY CARD		1	B	
	A 3	VGR0020-102	REMOCON UNIT	BLACK	1		
		VGR0020-103	REMOCON UNIT	WHITE	1		
⚠	A 4	QMP39F0-183	POWER CORD		1	E,G,GI,EN,VX	
⚠		QMP5520-183BS	POWER CORD		1	B	
	A 5	EMZ2001-014	ADAPTER	FOR FM ANT	1		
	A 6	UM-3(DJ)-2PSA	BATTERY	FOR REMOCON	1		
	A 7	EWP502-001	FM ANTENNA	FM ANT	1		
	A 8	EQB4001-015	AM LOOP ANT	AM ANT	1		

JVC

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