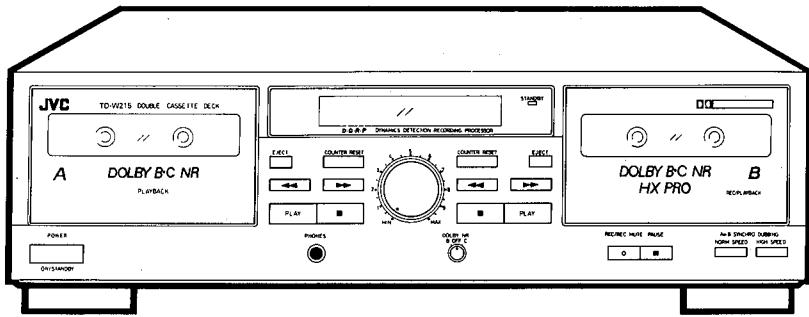


# JVC

## SERVICE MANUAL

### DOUBLE CASSETTE DECK

**TD-W215TN** A/B/C/E/EN/G/J/U/UT  
**TD-W216BK**



**COMPU LINK**  
*Component*

Area Suffix	
A	Australia
B	U.K.
C	Canada
E	Continental Europe
EN	North Europe
G	Germany
J	U.S.A.
U	Other Areas
UT	Taiwan

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## 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 manufacturer's warranty and will further relieve the manufacturer 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 (Δ) on the schematic diagram and by (Δ) 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, particularly any exposed metal part having a return path to the chassis, to a known good earth ground.

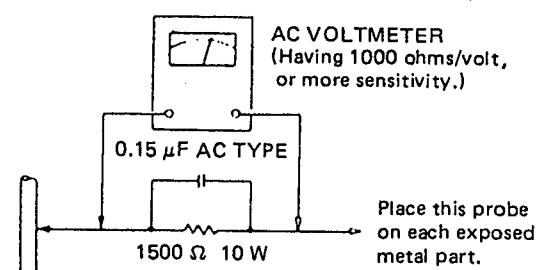
Any leakage current must not exceed 0.5mA AC(r.m.s.)

- Alternate check method

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

Good earth ground

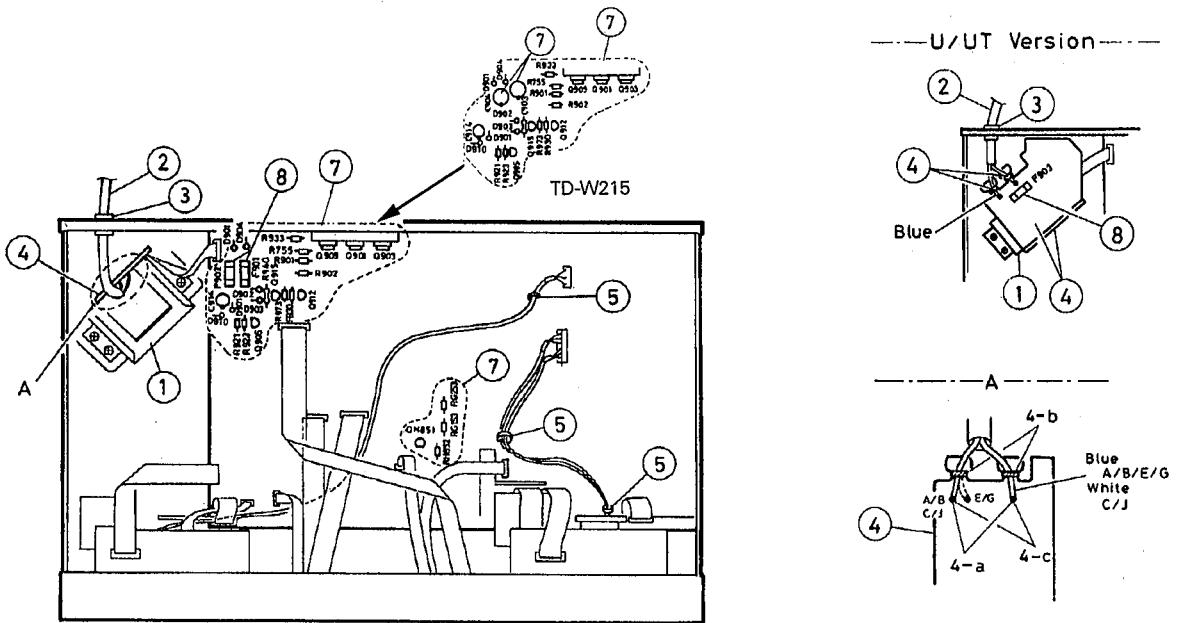
exposed metal part, particularly any exposed metal part having a return path to the chassis, and measure the AC voltage across the resistor. Now, reverse the plug in the AC outlet and repeat each measurement. Any voltage measured must not exceed 0.75V AC(r.m.s.). This corresponds to 0.5mA AC(r.m.s.).



## 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 maintained.
3. Repairs must be made in accordance with the relevant safety standards.
4. It is essential that safety critical components are replaced by approved parts.
5. If mains voltage selector is provided, check setting for local voltage.

## ■ Important Management Points Regarding Safety (Items Demanding Special Safety Precautions)



1. Securely fix the power transformer while confirming its marking specified in the following.

Suffix	Marking	Description
J	5216507	UL approved No.
C	VTP52A5-011F	
A/B/E/EN/G	VTP52Z5-011F	
U/UT	VTP54G5-011F	

2. Power cord : Make sure of the following markings and inspect exterior scratch and damage.

	Power cord	Attachment plug
J	SPT-1	KP-10W or SU-1P
C	SPT-1	KP-10 or SU-1
E/EN/G	◀ VDE ▶	KP-419C or SE-1
B	BASEC BS6500	KP-610 3A
U/UT	◀ VDE ▶	KP-8H
A	LTSA-2F	KP-560

3. Install the cord bushing by the specified tool while confirming the marking. Bushing : NIFCO2271

4. Wiring terminal

a) When installing the power cord, wind it around the terminal by the end before soldering.

b) Arrange the wires while binding them nearby the terminal.

c) The end of respective power cords is soldered in the air and the space from others must be 3.2 mm or more in the distance.

5. When arranging every wire and cable, avoid the active power parts, mobiles, heat generating parts, sharp-edged parts, etc.

7. Since the following parts are heat generation ones, they must not contact with electrolytic capacitors, wires, etc.

● Parts in parentheses ( ) are inflammables. Make sure of their lift-up condition for the purpose.

● Parts in box are out of JVC's control.

D901 [D902] D903 D904 [D909] D910 Q901 Q903 [Q905]  
Q909 [Q912] Q915 [QH851] [R901] [R902] R921 R923  
R933 R937 R938 R940 R755 [RH852] [RG153] [RG253]  
C914

Other parts

C903 C904 2200μF/25V, C914 330μF/25V C/J version  
(VEND TYPE)

8. All fuses must securely be connected. In A/B/E/EN/G/U/UT version, F901 and F902 must be specified by the rating of 800 mA shown on the surface as well as by the marking of Ⓛ or in U/UT version, F903 must be specified by the rating of 315 mA shown on the surface as well as by the marking Ⓛ or Ⓜ.

## ■ Features

1. Double cassette mechanism for recording/playback and playback
2. Full logic mechanism
3. Dolby\* HX PRO headroom extension
4. Dolby B & C noise reduction system
5. DDRP (Dynamics Detection Recording Processor) compatibility
- The DDRP function is possible only when used with a suitable JVC CD player.
6. 2-color FL peak level indicator
7. Digital tape counter respectively for deck A and deck B
8. Synchro start (normal-/high-speed) dubbing
9. Auto tape select mechanism (decks A and B)
10. Continuous playback with auto rewind
11. COMPU LINK-3 compatible

\* Dolby noise reduction and HX Pro headroom extension manufactured under license from Dolby Laboratories Licensing Corporation. HX Pro originated by Bang & Olufsen. "Dolby", the double-D symbol  and "HX PRO" are trademarks of Dolby Laboratories Licensing Corporation.

### **COMPU LINK Control System**

COMPU LINK control system is the convenient system using COMPU LINK-3/SYNCHRO terminals on the rear panel. (See pages 4 and 8.)

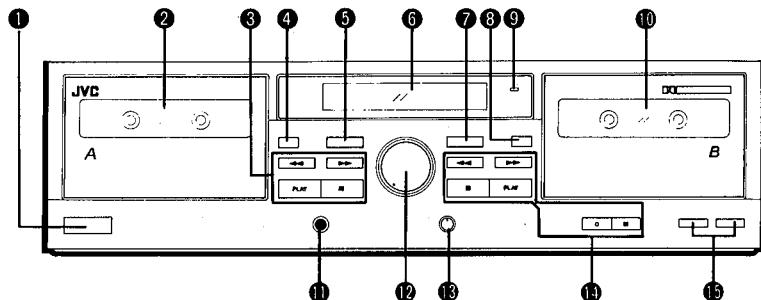
## ■ Specifications

Type	: Double cassette deck	Motors	: Electric governed DC motor for capstan × 1
Track system	: 4-track, 2-channel		DC motor for reel × 1
Tape speed	: 4.8 cm/sec (1-7/8 inch/sec) (Normal) 9.5 cm/sec (3-3/4 inch/sec) (High)		DC motor for mechanism drive × 1
Frequency response : (-20 dB recording)			(For both decks A and B)
	Type IV tape ; 20 - 17,000 Hz 30 - 16,000 Hz (±3 dB)	Fast forward/ Rewind time	: Approx. 110 sec. with C-60 cassette
	Type II tape; 20 - 16,000 Hz 30 - 15,000 Hz (±3 dB)	Input terminals	: Input sensitivity; 80 mV (0 VU) Input impedance; 50 kΩ
	Type I tape ; 20 - 16,000 Hz 30 - 15,000 Hz (±3 dB)	Output terminals	: Output level; 300 mV (0 VU) Output impedance; 5 kΩ
S/N ratio	: 58 dB (S = 315 Hz, K3 = 3 %, N = A-weighted, Type IV tape) The S/N is improved by about 15 dB at 500 Hz and by max. 20 dB at 1 kHz ~ 10 kHz with Dolby C NR on and improved by 5 dB at 1 kHz and by 10 dB at above 5 kHz with DOLBY B NR on.		: Output level; 0.3 mW/8 Ω (0 VU) Matching impedance 8 Ω - 1 kΩ
Improvement of MOL	: 4 dB at 10 kHz with Dolby C NR on.	Other terminals	: COMPU LINK-3/SYNCHRO × 2
Wow and flutter	: 0.08% (WRMS), ±0.2% (DIN/IEC)	Power requirement	: AC 240 V, 50/60 Hz (Australia/U.K.) AC 120 V, 60 Hz (U.S.A.)
Channel separation	: 40 dB (1 kHz)	Power consumption	: With power switch on 17 W With power switch standby 4.3 W
Crosstalk	: 60 dB (1 kHz)	Dimensions	: (W × H × D) 435 × 134 × 328 mm (17-3/16 × 5-5/16 × 12-15/16")
Harmonic distortion	: K3; 0.8% (Type IV tape, 315Hz, 0 VU)	Weight	: 4.9 kg (10.9 lbs.)
Heads	: Deck A; METAPERM head for playback × 1 Deck B; METAPERM head for recording/playback × 1 2-gap ferrite head for erasure × 1	Accessories	: Pin plug cord ..... 2 Remote cable ..... 1

Design and specifications are subject to change without notice.

# ■ Instructions(Extraction)

## ■ Control Name of Their Function



**① POWER switch (ON/STANDBY)**

② Cassette holder (deck A)

③ Cassette operation buttons (deck A)

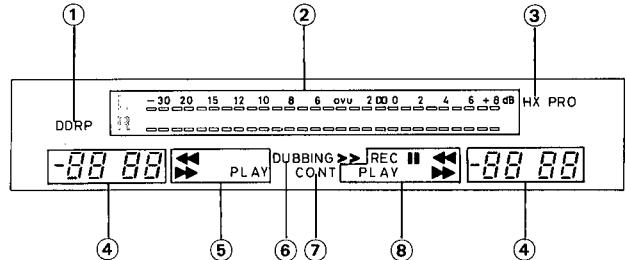
- ◀◀ (rewind) : Press to rewind the tape.
- PLAY : Press to play the tape.
- ▶▶ (fast forward) : Press to fast forward the tape.
- (stop) : Press to stop the tape.  
(The tape automatically stops when it reaches the end.)

④ EJECT button (deck A)

⑤ COUNTER RESET button (deck A)

Press this button to set the digital counter to "0000".  
Even if the POWER switch is set to STANDBY, the counter value at that time is stored in memory.

⑥ Indicators



① DDRP indicator

② Peak level indicator

These indicators light according to the level of the signal being recorded or the level of the signal recorded on the tape.

Note:

0 dB: IEC (DIN) STANDARD LEVEL (250 nWb/m)

0 VU: Signal level at 160 nWb/m

□ : DOLBY NR STANDARD LEVEL

③ HX PRO indicator

④ Digital counter

The counter reading increases while the tape is running forward and decreases when it is running in reverse.

⑤ Mechanism mode indicators (Deck A)

- ▶▶ : This lights when in the fast-forward.
- ◀◀ : This lights when in the rewind.

PLAY : This lights when in the playback.

⑥ DUBBING ▶▶: "▶▶" lights when in the normal-speed dubbing mode.  
"▶▶" lights when in the high-speed dubbing mode.

⑦ CONT : Lights when the unit is continuous play mode.

⑧ Mechanism mode indicators (Deck B)

- PLAY : Lights when the unit is in the playback and record modes.
- REC : Lights when the unit is in the record and record-pause modes; blinks during record muting.
- : Pause indicator
- ▶▶ : This lights when in the fast forward.
- ◀◀ : This lights when in the rewind.

⑨ COUNTER RESET button (deck B)

⑩ EJECT button (deck B)

⑪ STANDBY indicator

Lights when in the power standby mode.

⑫ Cassette holder (deck B)

⑬ PHONES jack

Connect headphones (with an impedance of 8 Ω to 1 kΩ).

⑭ INPUT LEVEL control

⑮ DOLBY NR switch

Set to B or C for recording using the Dolby NR system or for playing back a tape that was recorded using the Dolby NR system.

Set to OFF when the Dolby NR system is not used.

⑯ Cassette operation buttons (deck B)

◀◀ (rewind) : Press to rewind the tape.

▶▶ (fast forward) : Press to fast forward the tape.

■ (stop) : Press to stop the tape.

Also press to stop both decks simultaneously during dubbing.

PLAY : Press to start playback/recording.

⑰ REC/REC MUTE: Press the PLAY button while pressing this button to start recording, and press to leave an appropriate non-recorded section. (See page 8)

⑱ PAUSE : Press to stop the tape temporarily during recording and playback.

Press the PLAY button to release the pause mode.

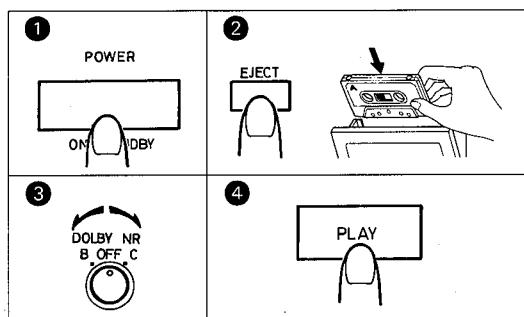
⑲ A ▶ B SYNCHRO DUBBING buttons

Press to dub from deck A to deck B.

•NORM SPEED: Press to perform normal-speed dubbing.

•HIGH SPEED : Press to perform high-speed dubbing.

## ■ Playback



### Playback of deck A

- Operate in the order of the numbers in the illustration.
- ① Press the POWER switch to set to ON.
  - ② Insert a prerecorded tape into deck A, with the side to be played back facing you.
  - ③ Set the DOLBY NR switch to the same position as when the tape was recorded.
  - ④ Press the PLAY button of deck A to start playback.
- When the deck contains a tape, the deck is turned on automatically and the tape is played back by only pressing the PLAY button.

### Playback of deck B

Perform steps ② to ③ of the above procedure for deck B.  
And press the PLAY button of deck B.

### Continuous play

- Load cassette tapes in both decks and press the PLAY button of the deck to be played first for continuous play of both decks.
- At this time, the CONT indicator lights in the multi-mode display.
  - During playback, when deck A reaches the end of the tape, the deck enters the auto rewind mode. When the tape has been rewound, the deck enters stop mode. Meanwhile, as soon as deck A enters the auto rewind mode, deck B starts playback simultaneously.
  - When deck B reaches the end of its tape, deck B enters rewind mode, and deck A starts playback simultaneously.

### Note:

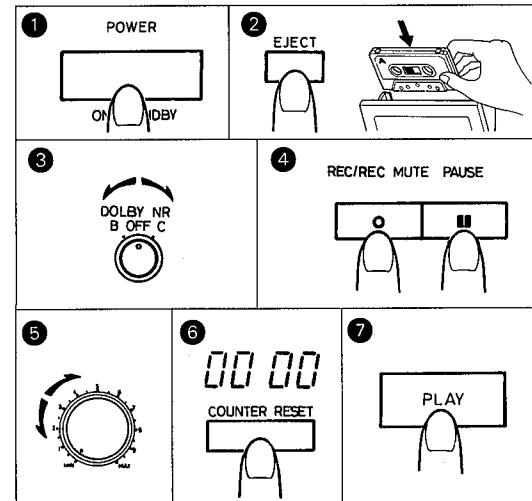
- Use tapes recorded using the same NR mode in decks A and B.

## ■ Recording

### Deck B only

Operate in the order of the numbers in the illustration.

- Make sure the safety tab of the cassette has not been broken off.



### Manual recording

- ① Press the POWER switch to set to ON.
- ② Load a cassette for recording with the side to be recorded facing you.
- ③ Set the DOLBY NR switch as required.
- ④ Press the ■ PAUSE button and ○ REC/REC MUTE button (record-pause mode).  
REC and ■ indicators light.
- ⑤ Adjust the recording level. (See page 8.)
- ⑥ Press to "0000".
- ⑦ Press the PLAY button to start recording.

It should be noted that it may be unlawful to re-record pre-recorded tapes, records, or discs without the consent of the owner of copyright in the sound or video recording, broadcast or cable programme and in any literary, dramatic, musical, or artistic work embodied therein.

### DDRP (Dynamics Detection Recording Processor) recording

DDRP recording is performed with suitable JVC CD players and the recording level adjustment is performed automatically.

Since recording level adjustment is performed automatically for different types of tape (normal, CrO<sub>2</sub> and metal), the adjustment of INPUT LEVEL control is not required.

Read the instruction book of your CD player carefully.

### Erasing

When recording on a prerecorded tape, the previous recording is automatically erased and only the new program is recorded on the tape.

#### To erase a tape without making a new recording...

Follow the section "RECORDING" but in step ⑥, set the INPUT LEVEL control to MIN.

**DOLBY NR and DOLBY HX PRO****Dolby NR System**

To reduce the hiss inherent in tape recording, use the Dolby NR System when making recordings. When listening to a tape recorded with the Dolby NR System, set the DOLBY NR switch to B or C according to the system selected in the recording mode.

**Note:**

The sound quality will change if the positions of the DOLBY NR switch are different in recording and playback.

**Dolby HX PRO headroom extension**

When a source which contains many high-frequency components is recorded, these high-frequency signals have the same function as bias and therefore, the effective bias current changes.

This will result in phenomena such as changes in the level of low-frequency signal and subsequent distortion and reduction of the high-frequency saturation level.

Dolby HX PRO headroom extension system controls the bias current so that the effective bias is constant even when there are fluctuations in the high-frequency components of the input signal.

This greatly improves the high-frequency saturation level while reducing the low-frequency signal level variations and distortion.

- The dynamic sound recorded with this system sounds the same even when the tape is played back in a deck that does not have Dolby HX PRO.
- This system automatically works when in recording; however, Dolby HX PRO is not a noise reduction system.

**RECORDING LEVEL ADJUSTMENT**

Adjust the recording level while observing the peak level indicator indication.

For example:

With metal tape



Because of metal tape's higher saturation level, it is OK that "+2" lights occasionally.

With normal or chrome tape



It is OK that "+0" lights occasionally.

- If "+4" lights too often because the recording level is too high, the recorded sound may be distorted and seem to be breaking up. If only "0" lights infrequently, the level is too low and the recording may contain tape hiss.

It is best to adjust so that the maximum sound level of the source to be recorded reaches the very limit of the saturation level of the tape to be used.

The best level varies depending on the type of music and type of tape so it is better to make test recording, using FM music, records, etc.

**AUTOMATIC RECORD MUTING (DECK B)**

This facility is used to eliminate undesired sections and leave an appropriate non-recorded section.

**A. To leave non-recorded sections of about 4-5 seconds automatically**

1. When the undesired section comes during recording, press the O REC/REC MUTE button and release it.
2. The REC indicator flashes and a non-recorded section is made during record muting operation. About 4-5 seconds later, the tape automatically stops, and the unit enters the record-pause mode.
3. Press the PLAY button to start recording again.

**B. To leave non-recorded sections of more than 4-5 seconds**

1. Keep the O REC/REC MUTE button pressed continuously as long as you want to make a non-recorded section. By releasing the finger from the button after the above operation, the unit enters the record-pause mode.
2. Press the PLAY button to start recording again.

**C. To leave non-recorded section of less than 4 seconds**

When the undesired section comes during recording.... After the O REC/REC MUTE button is pressed, press the PLAY button before the unit enters the pause mode to start recording again, or press the ■■ PAUSE button to enter the record-pause mode.

- The peak level indicator lights even during record muting according to the input level which can be heard from the speakers or headphones so that recording can be resumed at the exact point on the tape.

## ■ Compu link control system

### **COMPU LINK** Control System

The Compu Link Control System controls relative operations between components automatically and facilitates various operations.

This is a system originated and developed by JVC for facilitating various system operations. There are two versions of this system; version 1 and 3. (For version 1 components, "COMPU LINK-1/SYNCHRO" is marked on the rear panel. For version 3 components, "COMPU LINK-3/SYNCHRO" is marked on the rear panel. This unit belongs to version 3.) The version 3 system controls relative functions between this unit and an amplifier or receiver, in addition to all of the functions of version 1.

#### Automatic Power On/Off Function (COMPU LINK-3)

This function is available when an amplifier or receiver having a COMPU LINK-3/SYNCHRO terminal is connected. For example, if a deck contains a tape, the deck is turned on automatically and the tape is played back by only pressing the PLAY button. When the amplifier or receiver is switched STANDBY, the source unit is automatically switched STANDBY.

#### Automatic Source Selection (COMPU LINK-1, 3)

When the provided remote cables are used for connecting this unit to other components which have COMPU LINK-1 or 3/SYNCHRO terminals, the switch-over of all system components is possible with simple one-touch of the source selector button of JVC's amplifier or receiver.

By doing this, the corresponding component will start playing automatically.

The source select button of the remote control unit or the activation button of the desired component can be also used for this purpose. When the components have been switched over, the previous component will stop playing within five seconds.

#### Synchronized Recording (COMPU LINK-1, 3)

Synchronized recording refers to the process in which the deck starts recording in synchronism with the CD player. Perform the synchronized recording as follows:

1. Set the cassette deck to the record-pause mode in accordance with the recording procedures on page 8.
2. If you want the programmed recording, program the desired tunes in any order you wish to hear.
3. Press the PLAY/PAUSE button of the CD player. By so doing, the cassette deck is placed in the record mode and synchronized with the CD player for recording. Synchronized recording thus can be made possible.

#### DDRP (Dynamics Detection Recording Processor) recording

The DDRP function makes possible fully automatic recording when used with a suitable JVC CD player. When the DDRP button of a suitable JVC CD player is pressed, the recording level is first adjusted automatically, then recording starts; it is not necessary to start recording by the normal procedure.

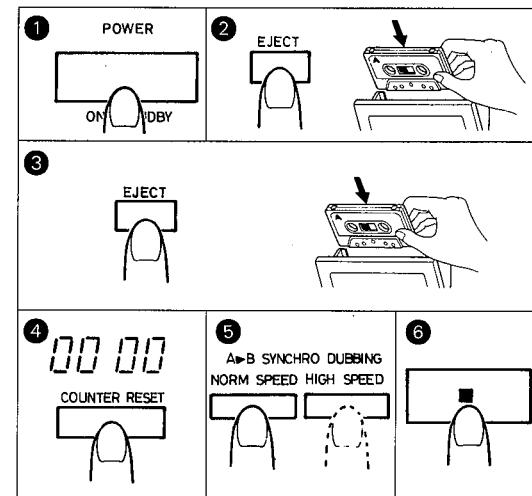
#### Notes:

- Synchronized recording or DDRP recording stops automatically when the CD player stops playing.
- To cancel synchronized recording or DDRP recording, press the STOP button of the CD player or cassette deck.
- Synchronized recording does not start except when the record-pause mode is set by simultaneously pressing the REC/REC MUTE and PAUSE buttons in the stop mode.
- The source is locked to the CD position during synchronized recording or DDRP recording to avoid accidental stops or switch-over to another component. To switch over the components, cancel synchronized recording or DDRP recording first.
- The INPUT LEVEL control does not function during DDRP recording.

## ■ Dubbing

### • Synchro dubbing

Operate in the order of the numbers in the illustration.



- ① Press the POWER switch to set to ON.
- ② Insert a prerecorded tape into the deck A, with the side to be played back facing you.
- ③ Insert a blank tape into deck B, with the side to be recorded facing you.
- ④ Press to "0000".
- ⑤ Press the SYNCHRO DUBBING (NORM or HIGH SPEED) button to start dubbing.
- ⑥ Press the ■ (stop) button of deck B to stop dubbing.

When deck B stops, the dubbing mode is automatically released.

#### • Synchro record muting

When deck A stops or enters any mode other than the playback mode during dubbing, deck B enters the record mute operation automatically and then enters the record-pause mode.

#### • Before pressing the SYNCHRO DUBBING button

Confirm that decks A and B are in the stop modes before starting dubbing.

#### Dubbing and DOLBY NR switch

During dubbing, the same NR mode selected for the playback cassette is applied to the recording cassette, regardless of the position of the NR switch.

#### Input level

Recording is performed at the same level as the playback tape during dubbing regardless of the position of the INPUT LEVEL control.

## ■ Connections

- Do not switch the power on until all the connections are completed.
- Insert the plugs firmly, or poor contact will result, causing noise.
- When the pin-plug cords are employed, always connect the white plug to the left channel terminal. This helps to avoid reversed connections.
- When using the Compu Link Control System version 3, do not connect the power cord to the SWITCHED AC OUT-LET of an amplifier or receiver. Otherwise, the automatic power on/off(STANDBY) function cannot be carried out.

### 1. Connection to a stereo amplifier

#### Note:

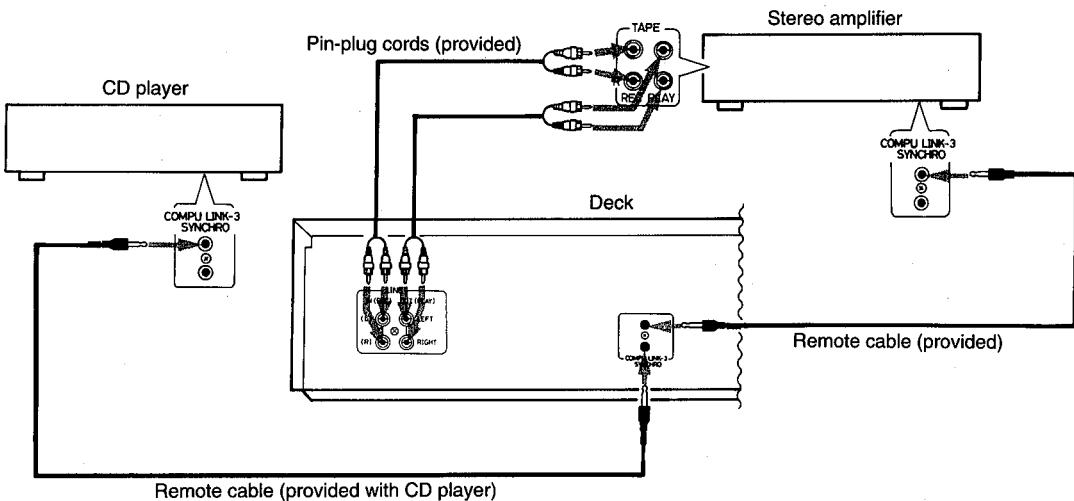
When installing the deck, be sure to install at a distance from your amplifier. If they are stacked, noise (hum) may occur.

### 2. Remote cable connection for COMPU LINK

- By connecting a remote cable, COMPU LINK functions (automatic power on/off(STANDBY), automatic source selection, synchronized recording and DDRP recording) can be performed.
- When making synchronized recording with a CD player, connect the remote cable to the COMPU LINK-3/SYNCHRO jacks.

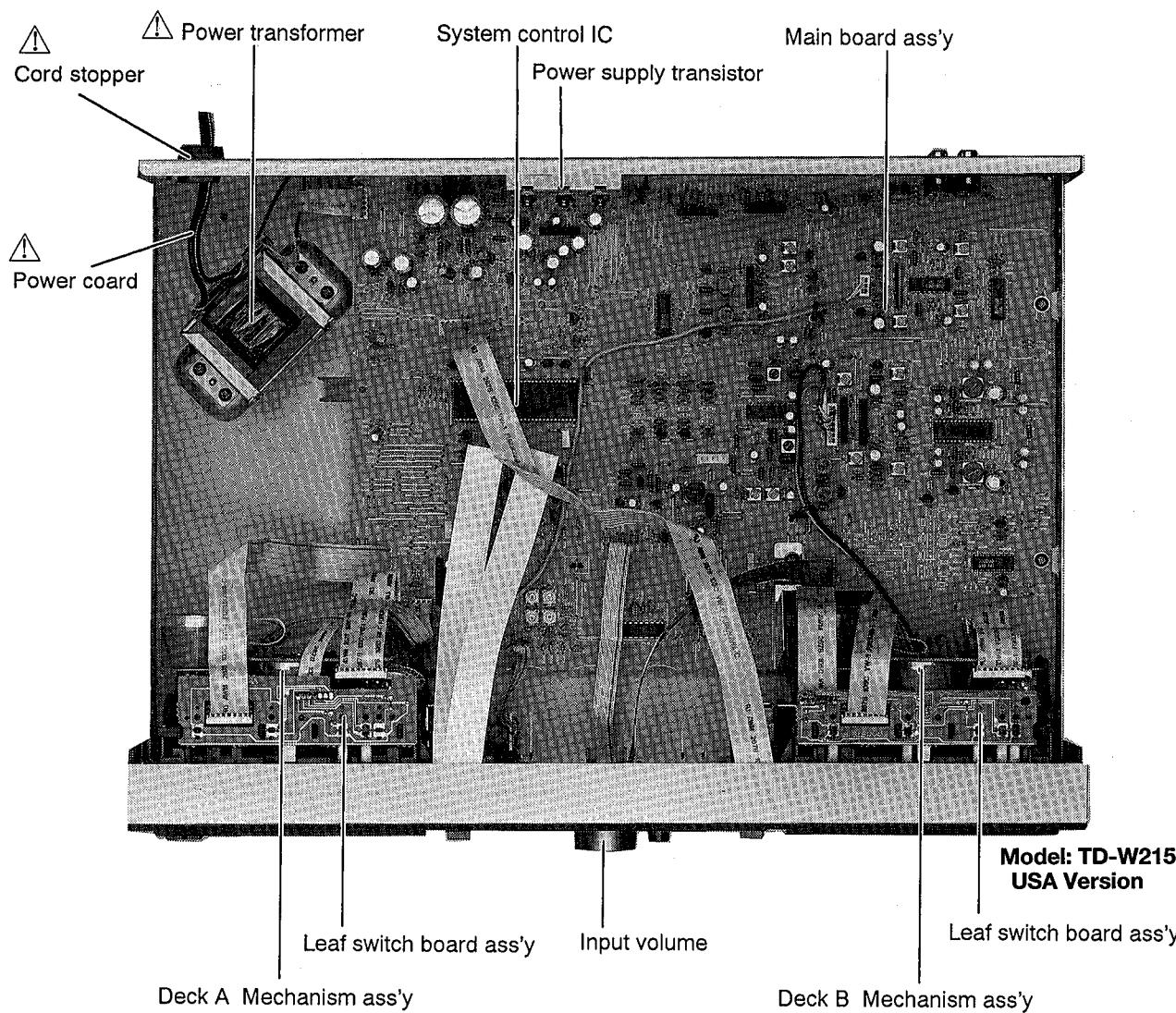
#### Notes:

1. When making synchronized recordings, only a single deck should be connected to the amplifier.
2. If a component is not a JVC COMPU LINK component, bypass it when making the remote cable connections.
3. This deck can be connected with an amplifier and a CD player which have the COMPU LINK-1/SYNCHRO jacks for COMPU LINK performance. (see page 8 for details)

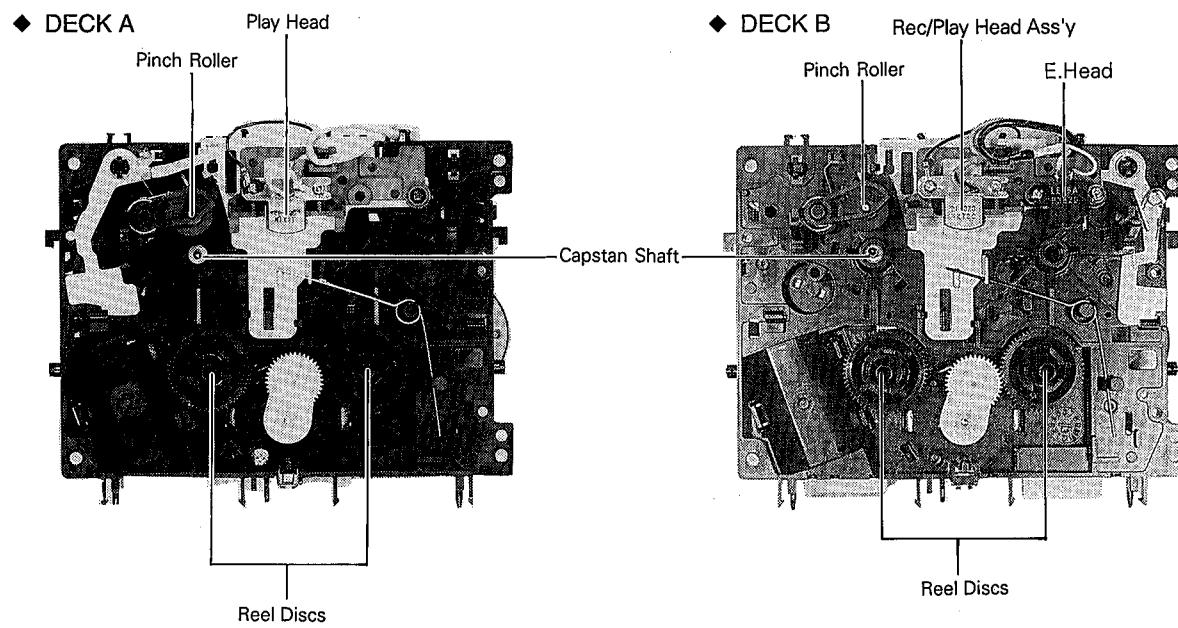


## 1 Location of Main Parts

### ■ Assembly Section



### ■ Mechanism section



## 2 Removal of main parts

### ■ Enclosure Section

#### ◆ Top cover(see Fig 2 – 1)

1. Remove four screws ① retaining the top cover from both side.
2. Remove two screws ② retaining the top cover from the back side.
3. To remove the top cover ,slide in direction of arrow and lift away(refer to Fig 2 – 1)

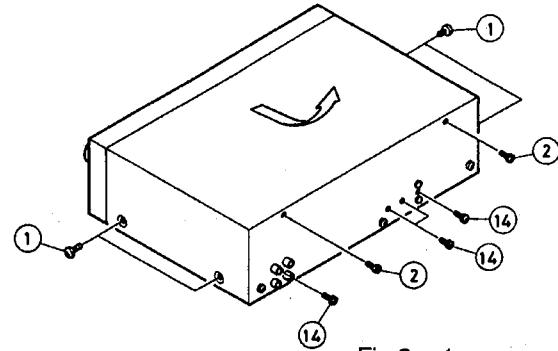


Fig 2 – 1

#### ◆ Front panel assembly (see Fig. 2-2)

1. Remove the top cover as described in above.
2. Remove three screws ④ retaining the front panel ass'y from bottom side.
3. Release the front panel ass'y from two pawls in the front and bottom sides and draw it to the front side.

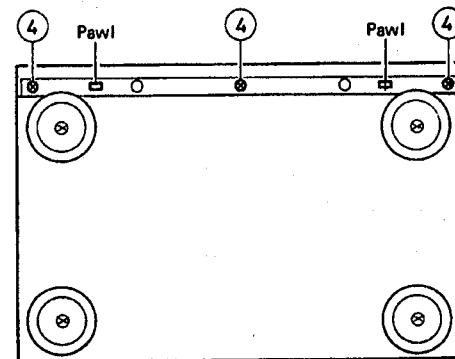


Fig 2 – 2

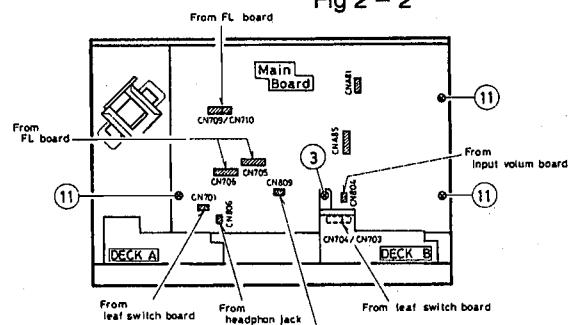
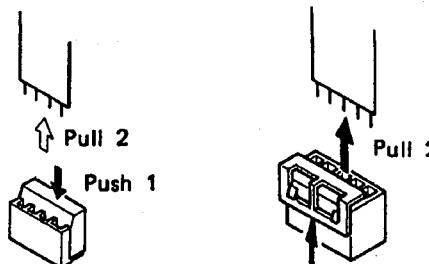


Fig 2 – 3



Push up with a screwdriver, etc. 1

Fig2 – 4

#### ◆ Mechanism assembly

★ Although the mechanism assembly can be removed without detaching the front panel ass'y, it is recommended to detach the front panel ass'y to do the work with ease.

1. Remove one screw ③ retaining the shield plate to DECK B side on main board. (see Fig. 2-3)
2. Remove two screws ⑤ or two screws ⑥ from the corners of the mechanism.(see Fig 2 – 5)
3. Open the door and remove the mechanism ass'y.  
(At this time, door lock arm spring and door lock arm are removed together with.)
4. For moving the mechanism ass'y only ,disconnect the following wirings.
  - a)Mechanism ass'y side(Refer to Fig 2 – 4)  
Top side connector of the cam switch board(CN2).  
Connector of the motor board(CN1).
  - b)Main board ass'y side(Refer Fig2 – 3)  
Disconnect wire coming from the leaf switch from CN703/CN704 at deckB and CN701 at deckA.  
Disconnect wire coming from the head relay board CNA81 at deckA and CNA85 at deckB.

◆ Eject arm ass'y

1. Remove two screws ⑦ retaining the eject arm ass'y and pull it out. (see Fig. 2-5)

◆ Mechanism holder and door ass'y

1. Remove four screws ⑧ retaining the mechanism holder. (see Fig. 2-8)

2. Remove the damper ass'y(for easy reassembling work).

Insert an originay( - )screwdriver or the like in to the gap between the damper and the front panel to disengage the pawl , and draw the damper ass'y outwards.(see Fig 2 - 6)

3. Remove the arm shaft of the cassette holder (door ass'y)from the mechanism holder.(The door spring is engaged with the door side by the bent side.)

◆ FL board/Volume board ass'y

1. After removing the mechanism holder, proceed to the following steps.

2. Pull out the INPUT volume knob.

3. Remove seven screws ⑨ retaining the P.C. board. (see Fig. 2-8)

4. Lift the board right upwards to remove it since it is connected to the mechanism control key board with connector pins(CN712/CN713). (see Fig. 2-9)

◆ Headphone jack ass'y

1. Remove the FL/Volume board ass'y.

2. Pull the jack ass'y outwards wile pushing it down toward the bottom side to remove it.

◆ Mechanism keyboard ass'y

1. Remove two screws ⑩ retaining the board ass'y. (see Fig. 2-8)

2. Do the same for the other side.

◆ Main board ass'y (see Fig2 – 3,Fig 2 – 1)

1. Remove three screws ⑪ retaining the board.

2. Remove four screws ⑫ retaining the board to the rear panel.

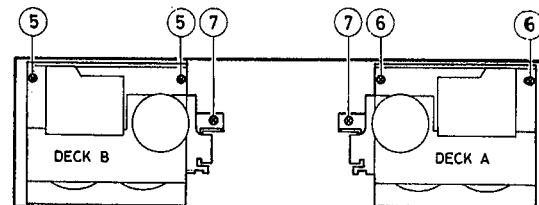


Fig 2 – 5

How to remove damper

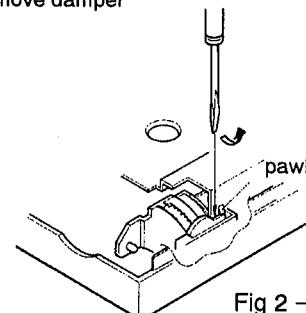


Fig 2 – 6

How to engage the door and eject spring

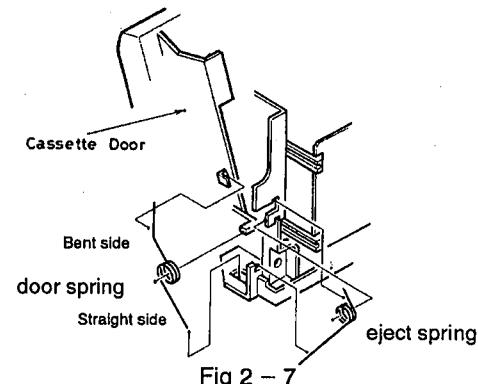


Fig 2 – 7

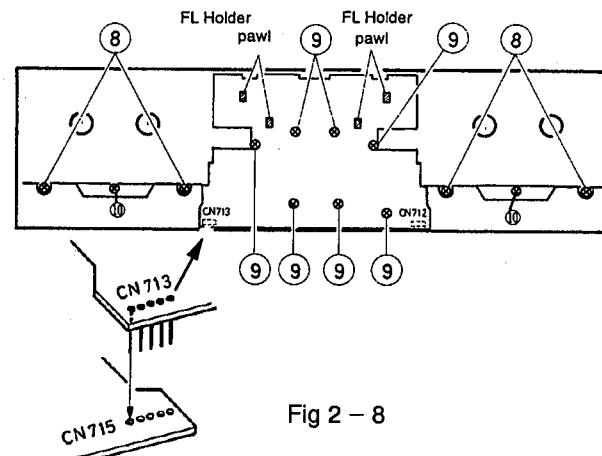


Fig 2 – 8

**● Reassembling procedure of the front panel ass'y**

1. Attach the mechanism control switch board to the panel with one screw.
2. Install the FL board .
3. Put the door ass'y and the mechanism holder together with on the front panel.
4. Attach the mechanism holder to the front panel ass'y with two screws.
5. Engage the door spring properly.
6. Install the damper .(Push the pawl side last to engage it.)
7. Install the eject arm ass'y.
8. Install the mechanism ass'y
9. Engage the eject spring.

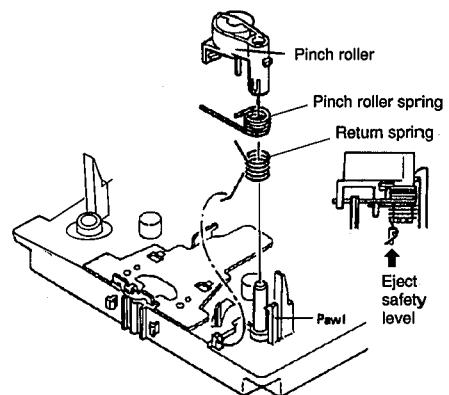


Fig 2 - 9

**■ Cassette mechanism section****◆ Pinch foller assembly (Fig. 2-9)**

1. Remove return spring by disengaging the pawlhooking it.
2. Remove the pinch roller spring.
3. For reengaging the spring.

◆ FM bracket/Capstan motor assembly (Fig. 2-10, 2-11)

1. Remove soldering to separate the drive motor and the motor ass'y. (Mechanism A or B)
2. Remove one screw ② retaining the FM bracket together.
3. Remove two screws ③ and disengage three pawls, and then the FM bracket and the capstan belt (mechanism A and B) can be removed.
4. Remove two screws ④ retaining the capstan motor from the FM bracket .
5. For reengaging the capstan belt, refer to Fig. 2-12.

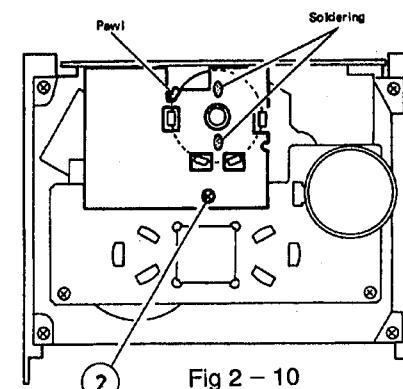


Fig 2 - 10

◆ Actuator motor assembly (Fig. 2-13)

1. Release the actuator motor ass'y from three pawls.

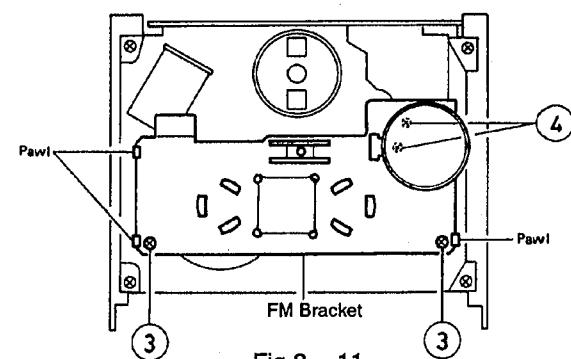


Fig 2 - 11

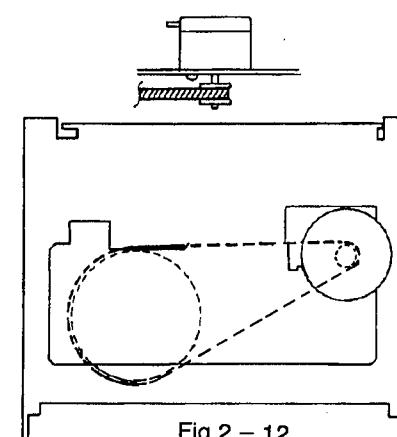


Fig 2 - 12

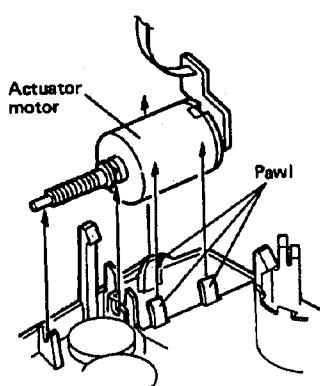


Fig 2 - 13

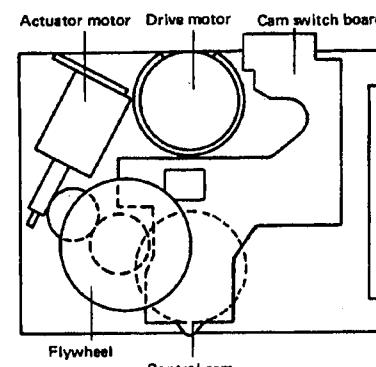


Fig 2 - 14

◆ Flywheel assembly (Fig. 2-14, Fig. 2-15)

1. Remove the capstan shaft and draw them out.

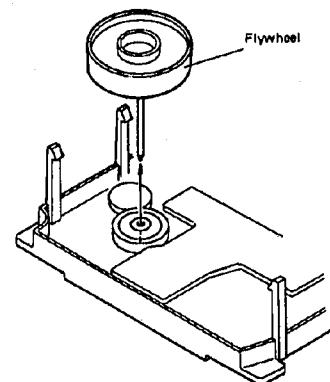


Fig 2 - 15

◆ Drive motor (Fig. 2-13, Fig. 2-16)

1. Pull out the gear and arm assembly from the drivemotor shaft.
2. Remove screw ⑤ retaining the drive motor.
3. Disengage four pawls the release the drive motor.

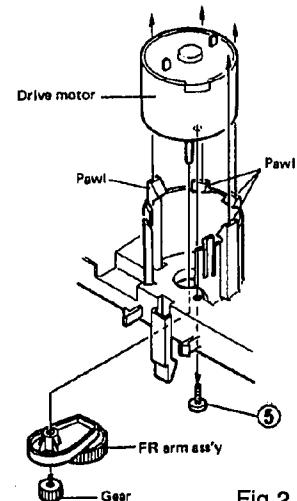


Fig 2 - 16

◆ Cam switch board (Fig. 2-15, Fig. 2-17)

1. Release the cam switch board from six pawls.
2. For gearing between the cam switch board and controlcam, see the magnified illustration in a circle.

◆ Actuator gear (large) (Fig. 2-14, Fig. 2-18)

1. Release the actuator gear (large) from three pawls.

◆ Control cam (Fig. 2-14, Fig. 2-18)

1. Release the control cam from two pawls.
2. For assembling the control cam, see the magnified illustration in a circle.

◆ Actuator gear (small) (Fig. 2-14, Fig. 2-18)

1. Release the actuator gear (small) from two pawls.

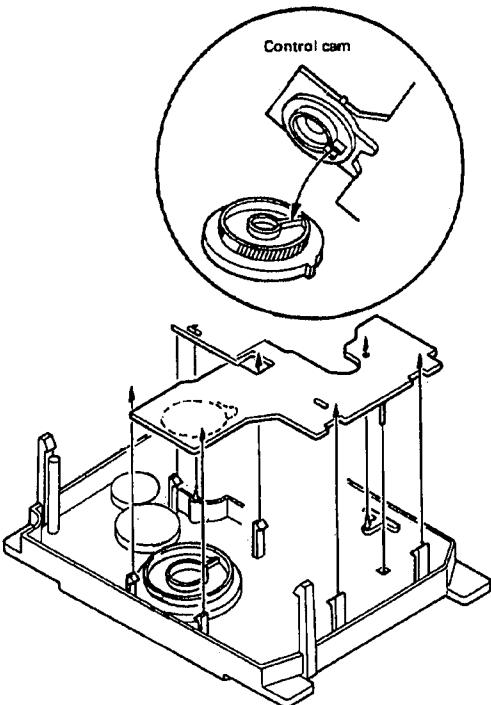


Fig 2 - 17

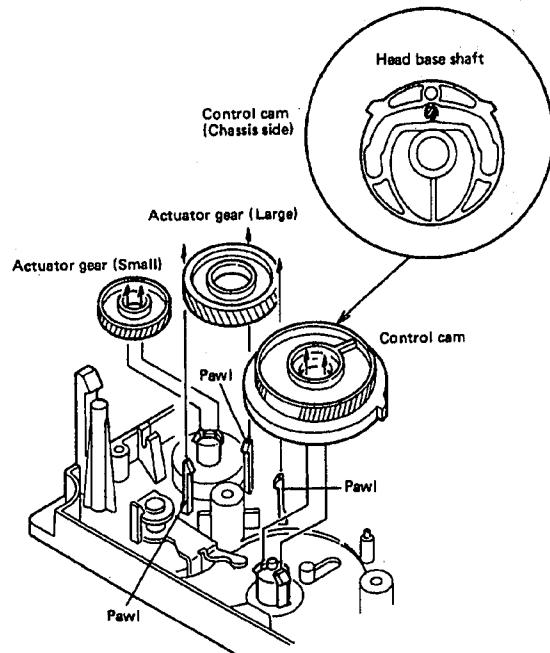


Fig 2 - 18

### 3 Main Adjustment

#### ■ Measuring instruments required for adjustment

- (1) Low frequency oscillator(oscillation frequency 50Hz – 20kHz, 0dB output with 600 Ω impedance )
- (2) Attenuator(600 Ω impedance)
- (3) Electronic voltmeter
- (4) Standard tapes
  - VTT712(tape speed, wow and flutter measurement)
  - VTT724(reference level)
  - TMT7063, TMT7064 (playback frequency)
  - TMT7063 (12.5 kHz) (azimuth)
- (5) Recording reference tapes
  - TS – 12(UD1), TS – 10(AC – 513)(SA),
  - TS – 11(AC – 712)(MA)or equivalent
- (6) 600 Ω resistors(for attenuator matching)
- (7) Distortion meter(bandpass filter)
- (8) Torque gauge(cassette)for CTG – N, TW2111, TW2121 and TW2231 mechanism adjustments

(9) Wow & flutter gauge

(10) Frequency counter gauge

(11) M300 gauge

(12) Band pass filter

◆ Power supply voltage

Set the line voltage selector switch to 240V/ 230V/ 220V/ 127V/ 120V/ 110V according to →

your local voltage.

AC240V, 50/60Hz :A/B version

AC240V, 50/60Hz :E/EN/G version

AC120V, 60Hz :C/J version

AC230/127/110V, 50/60Hz:U/UT version

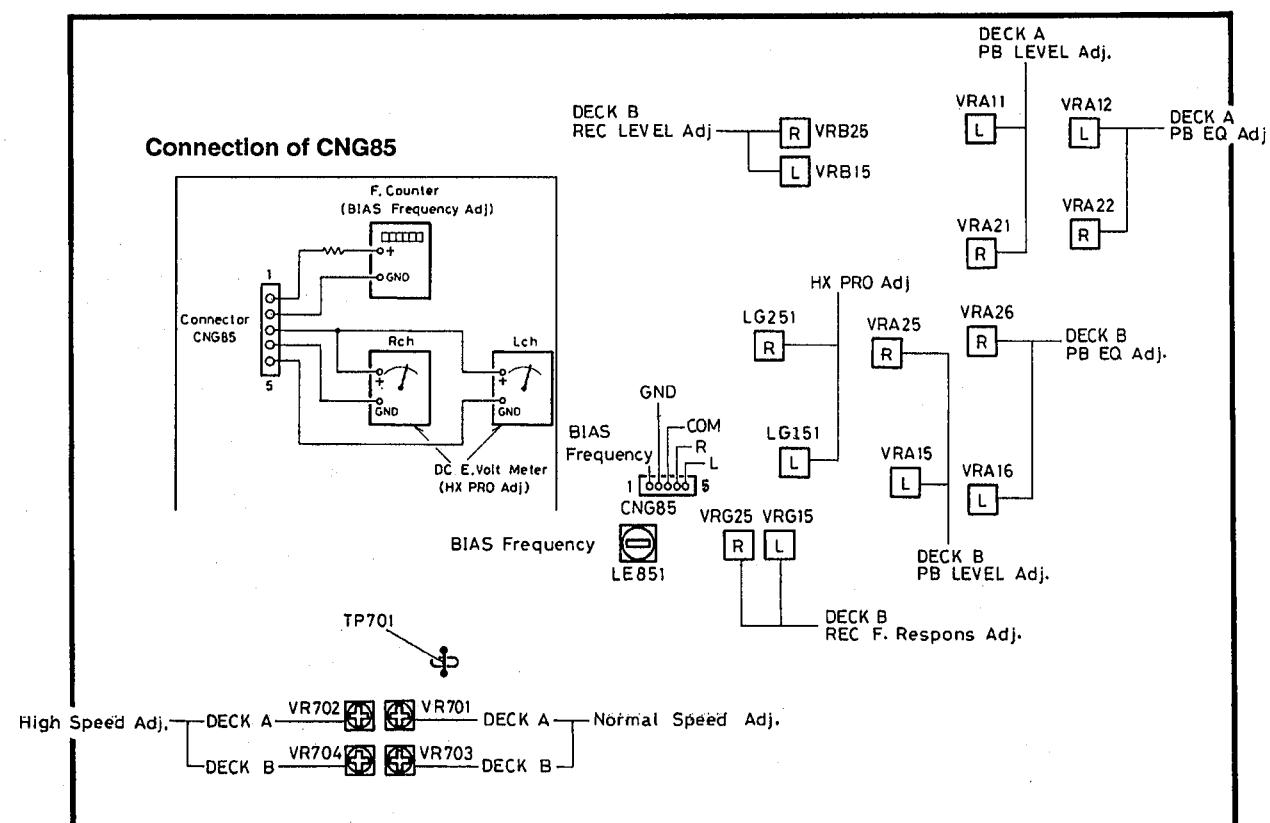
(13) Standard position of the switch and volume knob

Switches and volume knobs Setting position

INPUT LEVEL : MAXIMUM

DOLBY NR : OFF

#### ■ Location of Adjustment



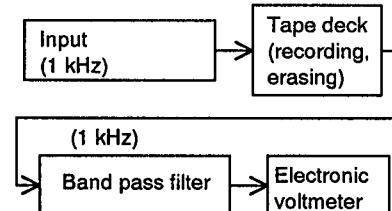
## ■ Mechanism Adjustment

Item	Conditions	Adjustment and Confirmation	Standad value	Adjust point
Adjusting Head azimuth	Test tape : TMT7063 (12.5kHz)	<ol style="list-style-type: none"> <li>Connect an electronic voltmeter to the LINE OUT terminals.</li> <li>Play back the TMT7063 (12.5 kHz) test tape.</li> <li>Adjust the head angle with the screw (FWD and REV) until the reading of the electronic voltmeter becomes maximum for both channels (phase difference must be "0".)</li> <li>Repeat the adjustment in FWD and REV modes as well as for the decks A and B.</li> </ol>	Maximum	Screws (FWD, REV)
Adjusting motor speed	<ol style="list-style-type: none"> <li>For high speed adjustment, set the deck for play mode and shortcircuit between TP701 and GND.</li> <li>Do not do anything while TP701 and GND are shortcircuited.</li> </ol>	<ol style="list-style-type: none"> <li>Connect a frequency counter to the LINEOUT terminals.</li> <li>Perform normal speed adjustment first, and then do high speed adjustment.</li> <li>Play back the VTT712 test tape.</li> <li>Adjust for deck <b>A</b> : Adjust VR701 for normal speed at 3000 Hz, and VR702 for high speed at 6000 Hz. Adjust for deck <b>B</b> : Adjust VR703 for normal speed at 3000Hz, and VR704 for high speed at 6000Hz.</li> </ol>	<p>Normal speed: Deck <b>A</b>, <b>B</b> : <math>3000 \pm 15\text{Hz}</math></p> <p>High speed: Deck <b>A</b>, <b>B</b> : <math>6000 \pm 30\text{Hz}</math></p>	<p>Deck <b>A</b> : Normal;VR701 High ; VR702</p> <p>Deck <b>B</b>: Normal;VR703 High; VR704</p>
Checking wow and flutter		Connect a wow and flutter meter to LINE OUT terminals. Play back the VTT712 test tape. Check to see if the reading of the meter is within 0.18% (WRMS).	0.18% (WRMS)	
Checking play back torque		Employ a torque testing cassette tape (TW2111) for the checking, or remove the cassette cover and use a torque gauge.	27 – 60 gr – cm	
Checking fast forward/rewind torque		Measure the torque in the fast forward mode in the same manner as in the above. Test cassette : TW2231	90 – 200gr – cm	

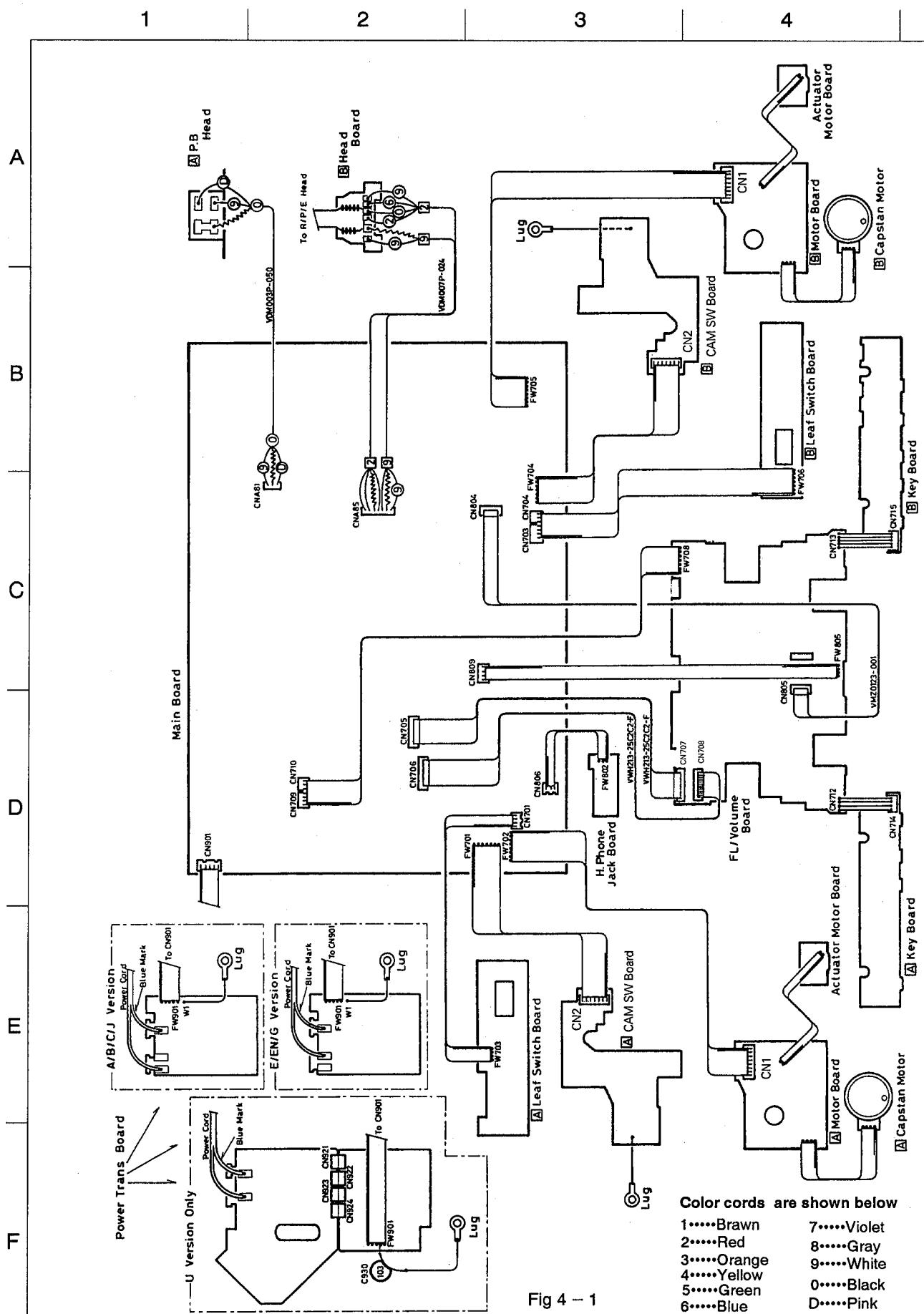
## ■ Electrical Adjustment Procedure

Item	Check and Adjustment			
1 Cheking DOLBY circuit (Rec.mode) (BIAS-CUT)	Signal input: LINE IN Cal.level: 400Hz, - 8dBs Output terminal: ICD85⑯ & ⑰	DOLBY B (Rec)	1kHz, cal. - 40dB	+5.7 dB ± 2 dB
			5kHz, Cal. - 20dB	+3.5dB ± 1.5 dB
			1kHz, Cal. 0dB	0 dB ± <sup>0.5</sup> <sub>1.0</sub> dB
		DOLBY C (Rec)	1kHz, Cal. -40dB	+16.2 dB ± <sup>3</sup> <sub>2</sub> dB
			5kHz, Cal. -20dB	+2.9 dB ± 2.5 dB
			1kHz, Cal. 0dB	0 dB ± 1 dB
Item	Conditions	Adjustment and Confirmation		Standard
*2 Play back level adjust- ment	Test tape VTT724: 1kHz	Play back VTT724, then confirm that the level at LINE OUT is - 7.5 dBs ± 0.5 dB. Adjust VRA15 VRA25 and VRA11 VRA21 so that LINE OUT level becomes -7.5 dBs.		LINE OUT -8 Bs ± 0.5 dB Hohone Out -24dBs <sup>+2</sup> <sub>-1</sub> dB
*3 Playback frequency response adjustment	Test tape: TMT7063	Play back TMT7063 test tape, and adjust VRA16, VRA26 (deck <b>B</b> ) and VRA12, VRA22 (deck <b>A</b> ) so that deviation of 12.5 kHz to that of 1 kHz is 0.5 ± 0.5 dB. Then, play back TMT7063 test tape to confirm that deviation of 63 Hz to 1 kHz is +2 ± 3 dB.		with 12.5kHz as reference, 0.5 ± 0.5 dB at 1kHz 63Hz(check): +2 ± 3dB
*4 Bias frequency adjustment	Frequency counter	Connect a frequency counter to the CNG85 (PIN1-2) and adjust LE851 so that the counter reads 95 kHz.		95 kHz ± 1 kHz
*5 Slave oscillation (HX PRO) adjustment	DC.Voltmeter TP:CNG85	This step must be performed after the bias frequency adjustment. Load a metal tape and set the deck to the recording mode. Adjust LG151 and LG251 to minimize respective voltages of CNG85 (PIN3 ~ 5), Rch and (PIN 3-4), Lch.		Deck <b>B</b> L: LG151 R: VRA22

Item	Conditions	Adjustment and Confirmation	Standard	Adjusting
*6 REC/PB frequency response adjustment	NR switch : OFF TAPE switch : Normal	This step must be performed after the slave oscillation adjustment.  Record the 1 kHz and 12.5 kHz signals at the level of -20 dB (20 dB lower than the reference level).  Playing back the recorded signals, adjust VRG15 and VRG25 so that the level of the 12.5 kHz signal is $0 \pm 0.5$ dB to the level of the 1 kHz signal.	12.5 kHz level: $0 \pm 0.5$ dB  higher than the 1kHz level.	Deck B L:VRG15 R:VRG25
*7 Recording level adjustment	NR switch : OFF TAPE switch : Normal	1) Apply 1 kHz signal to the LINE IN terminals, record 1 kHz signal at -20 dB input for both (L and R) channels on a normal tape.  2) Play back the recorded part, and adjust the recording level control so that LINE OUT terminal level becomes -8 dB. Then adjust VRB15 and VRB25 so that LINE OUT terminal level becomes -8 dB.	Normal: $-8 \pm 0.5$ dB CrO2/Metal: $-8 \frac{+2}{-1}$ dB	Deck B L : VRB15 R : VRB25
8 Maximum out put check		Supply 1 kHz signal to the LINE IN terminal in the Rec. monitoring mode, and read non-clipped signal level at the LINE IN terminal	LINE OUT: more than 8 dBs PHONES OUT: more than -16dBs	
9 DDRP check	Mode: Stop	With the DDRP switch set to ON , supply 1 kHz, - 10.8 dBs input signal in the rec pause mode and check the signal level at the LINE OUT terminal.  With the DDRP switch set to OFF , perform the same check as in the above step.	Normal: $-8 \text{ dBs} \pm 2 \text{ dB}$  Metal: $-8 \text{ dBs} \pm 2 \text{ dB}$	
			Normal: $-1.2 \text{ dBs} \pm 2 \text{ dB}$ Metal: $-1.2 \text{ dBs} \pm 2 \text{ dB}$	

Item	Conditions	Adjustment and Confirmation	Standard	Adjusting
10 Checking record/playback distortion		<p>1) Record a 1 kHz, -20 dBs signal to LINE IN terminals.</p> <p>2) Play back the recorded part, Check the output with a distortion meter to see if the value conforms to the standard value.</p>	Normal: Less than 2% CrO <sub>2</sub> /Metal: Less than 3% Metal tape:	
11 Checking signal to noise ration recording playback		<p>1) Record a 1 kHz, -20 dBs signal, Stop the input by disconnecting from the terminal to perform non-signal recording.</p> <p>2) Play back the recorded part. Measure the -8 dBs recording output and the non-signal recording output for comparison using an electronic voltmeter. Check to see if the value conforms to the standard value.</p>	Normal: More than 40 dB Metal/CrO <sub>2</sub> : More than 41 dB	
12 Checking erasing coefficient		<p>1) Apply a 1 kHz, -20 dBs signal to the LINE IN terminals.</p> <p>2) Perform recording with the signal enhanced by 20 dB</p> <p>3) Erase a part of the recording.</p> <p>4) Measure the output difference between the erased part and non-erased part to compare with an electronic voltmeter.</p> <p>For the measurement using a metal tape, connect a band pass filter between the deck and the electronic voltmeter.</p>  <pre> graph LR     In1[Input (1 kHz)] --&gt; Tape[Tape deck (recording, erasing)]     In2[Input (1 kHz)] --&gt; Filter[Band pass filter]     Filter --&gt; Voltmeter[Electronic voltmeter]   </pre>	More than 55 dB	

## 4 Wiring Connections



## **5 Block Diagram**

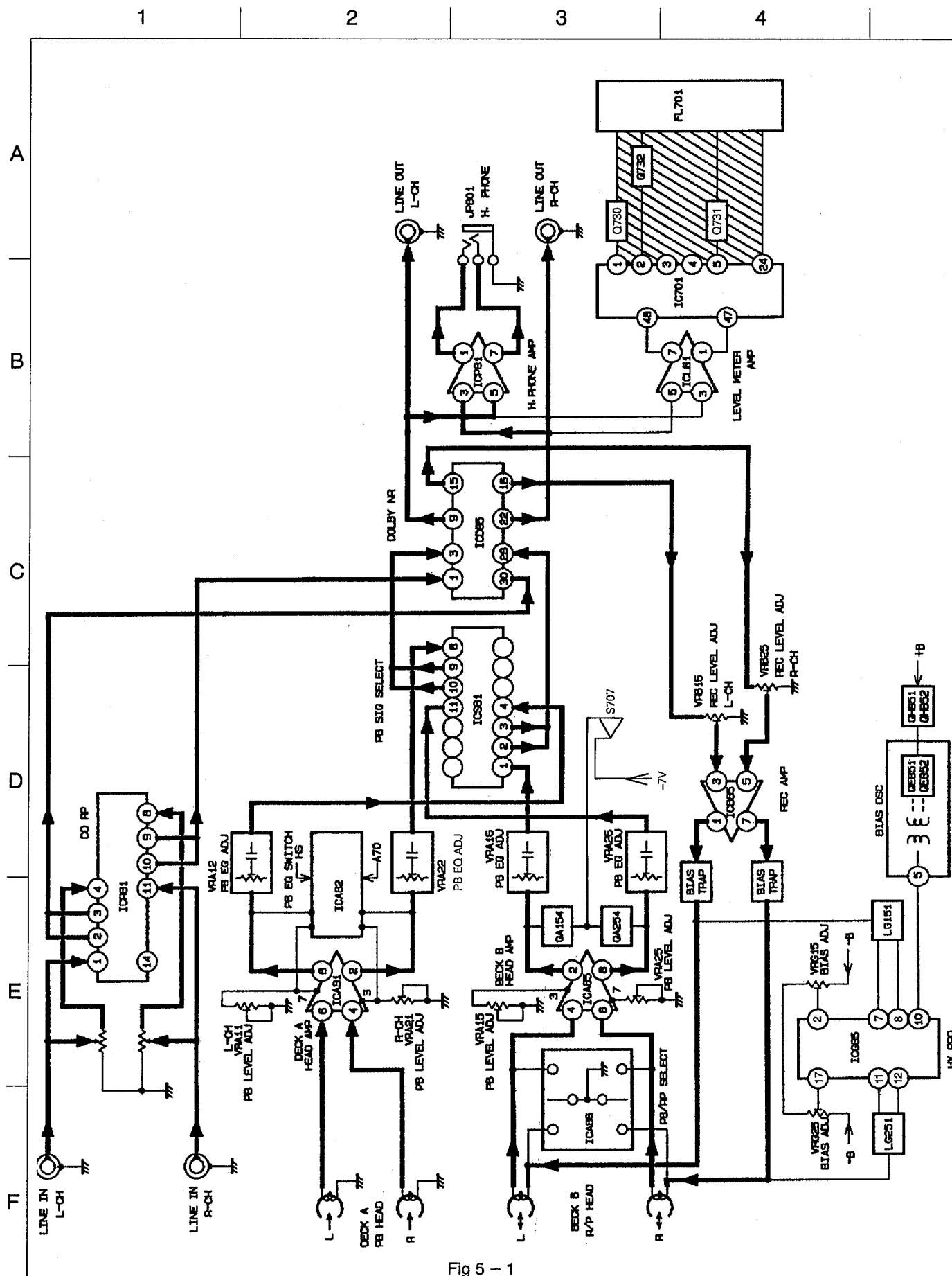


Fig 5 -



## **6 Standard Schematic Diagram**

1

2

3

△

5

## ■ Head amp./Bias Circuit

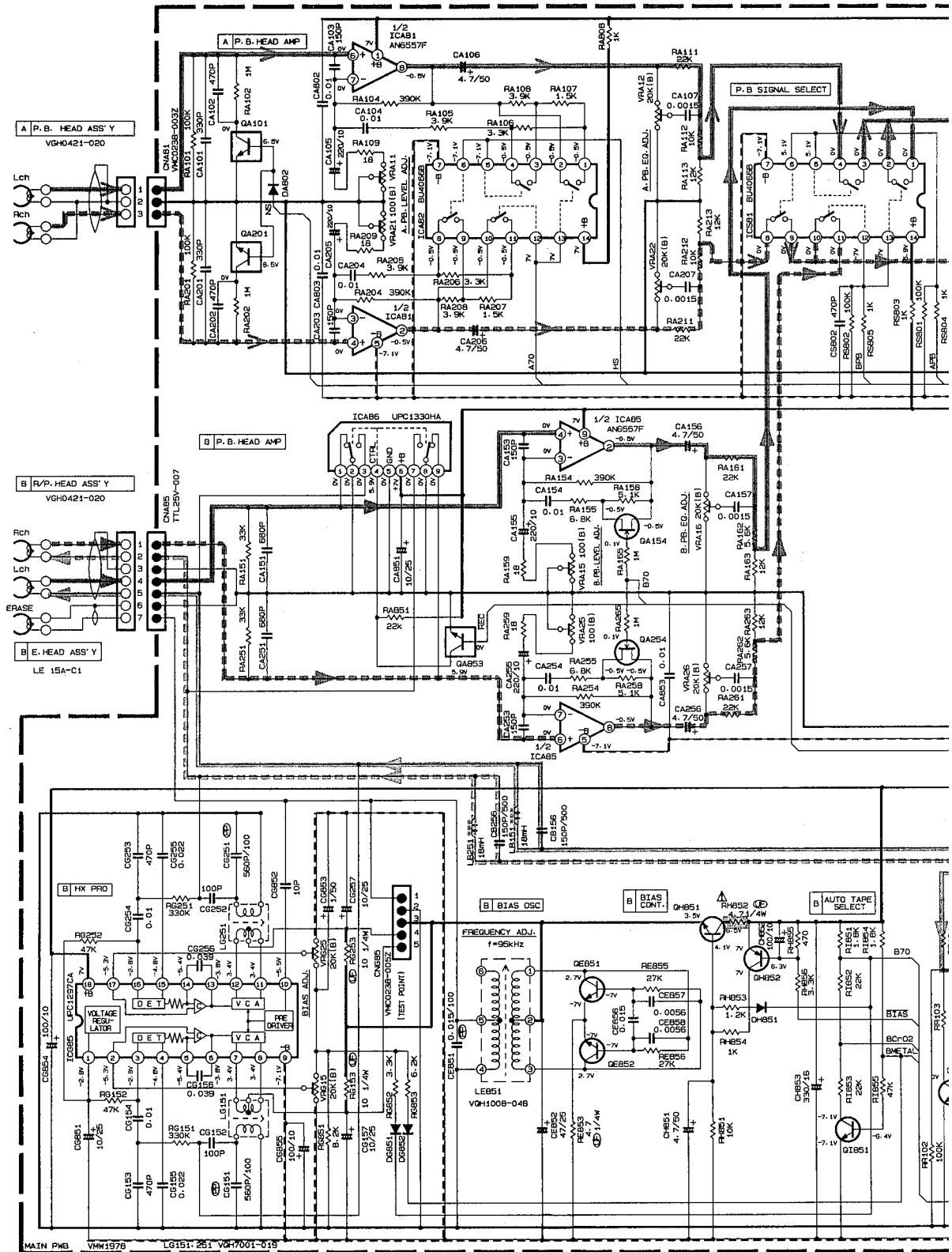
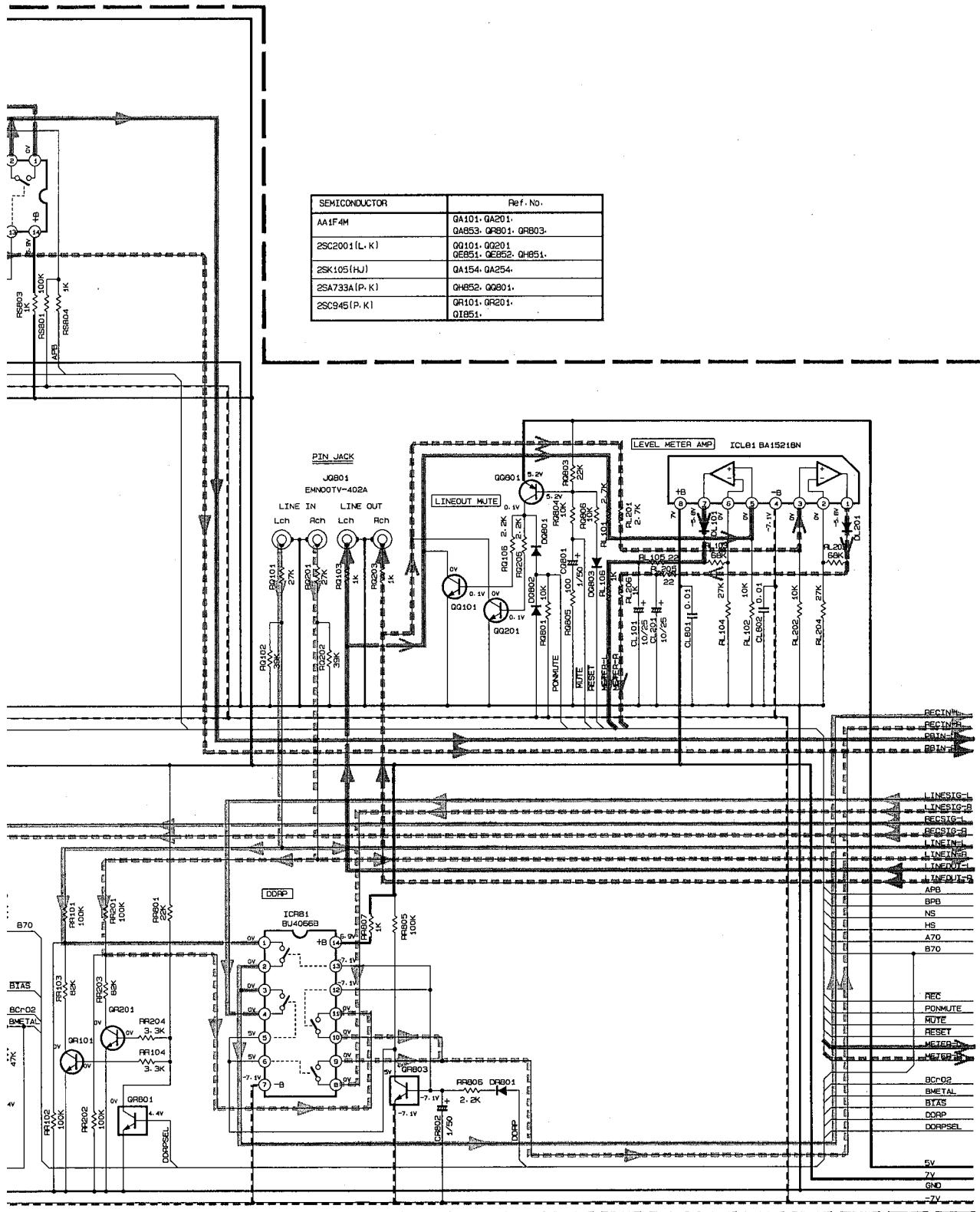
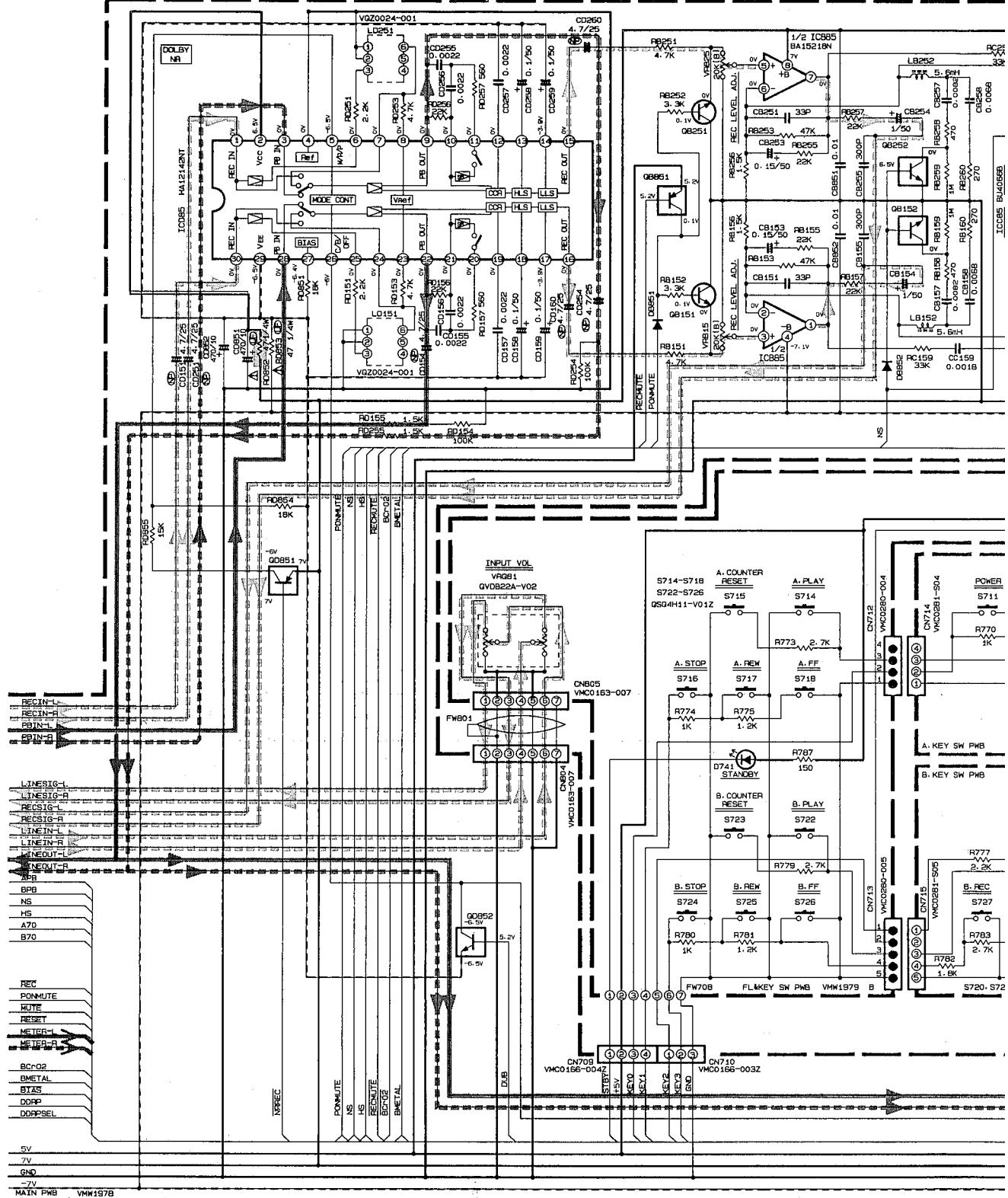


Fig 6 - 1



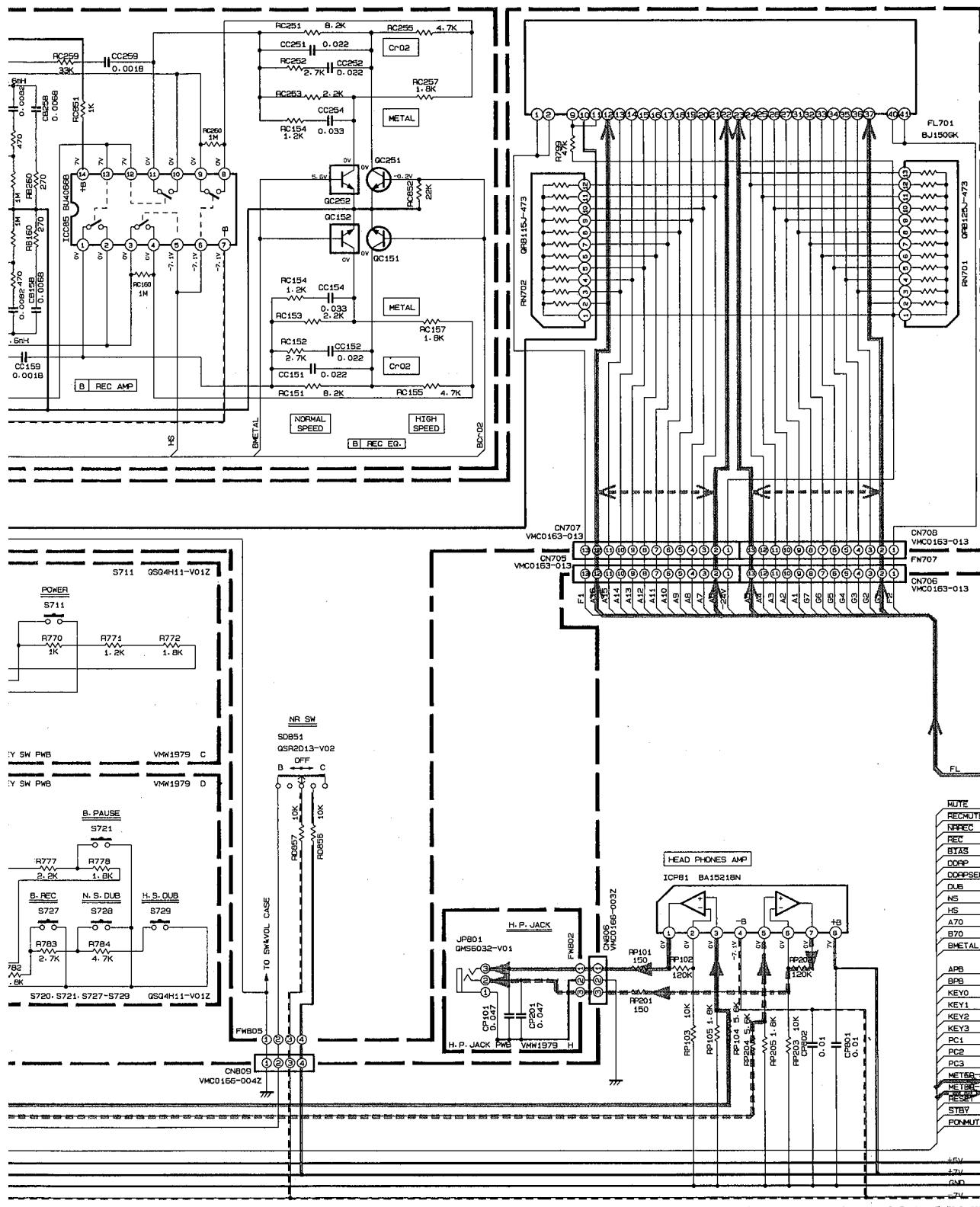
1 2 3 4 5

## ■ DOLBY NR /Key•FL Circuit

A  
B  
C  
D  
E  
F  
G

SEMICONDUCTOR	Ref. No.
2SC2001(L, K)	08151-08251
AN1F4M	08151-08161
AA1F4M	08152-08252; QC152, QC252, 08152
2SC945(P, K)	08151-08251

L Indicator signal  
 R Playback signal



· signal line

 △ Psrts are safety assurance parts.  
When replacing those parts make  
sure to use the specified one.

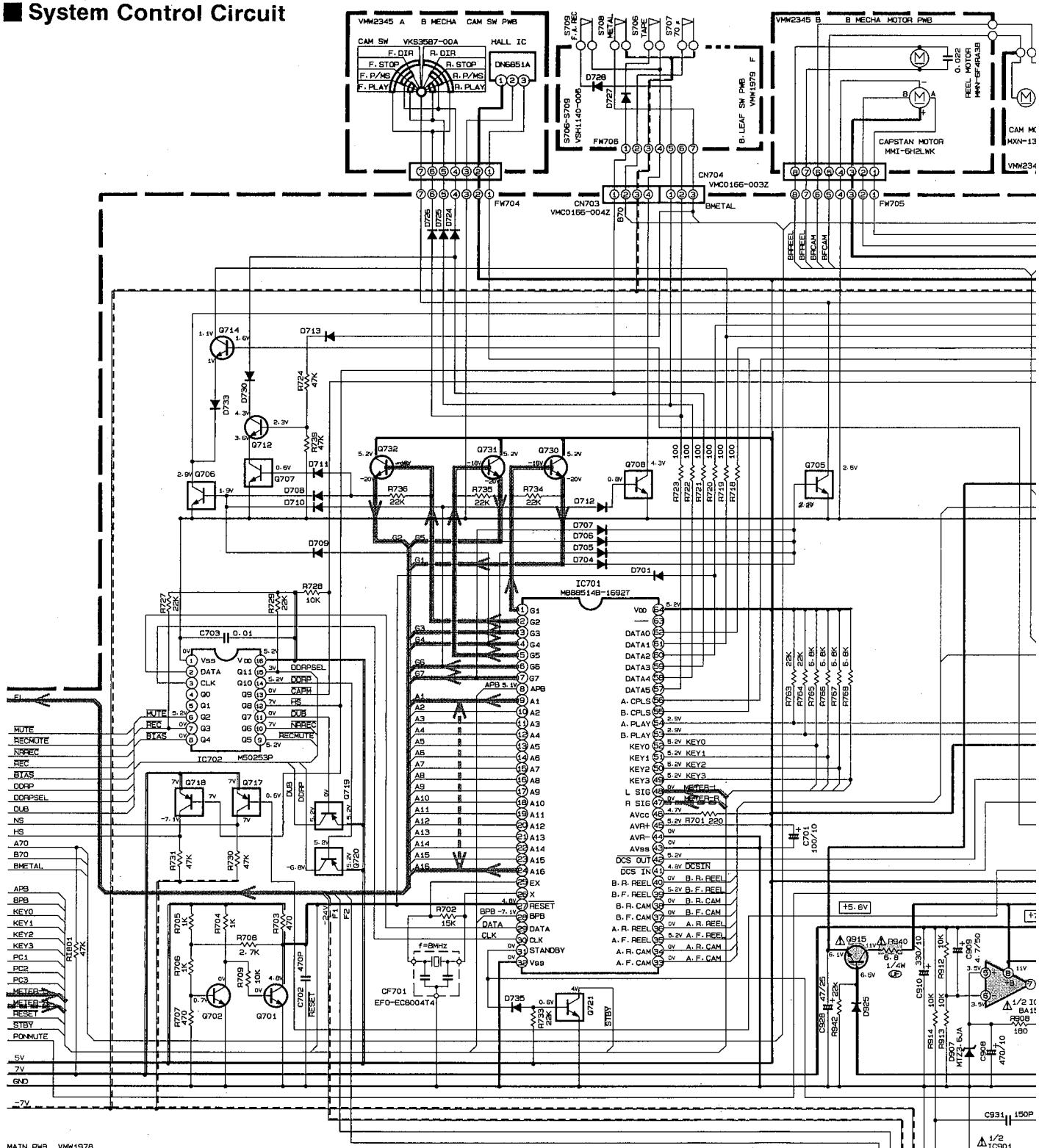
+B LINE - - - -B LINE

signal line

 REC Signal line

Fig 6 - 2

## ■ System Control Circuit



### NOTES

1. VOLTMETERS ARE DC-MEASURED WITH A DIGITAL VOLT METER  
WITHOUT INPUT SIGNAL  
CONDITION: NR SW : OFF  
TAPE : A-B : METAL

(1) UNFLAMMABLE CARBON RESISTOR  
(2) NON-POLARISED ELECTROLYTIC CAPACITOR  
(3) POLYPROPYLENE CAPACITOR

3. THE RESISTORS LISTED BELOW ARE FUSIBLE RESISTOR IN THE MODEL  
A/B/E/EN/G/L/UT R501-R502-R5021-R537-R540-R4852

2. UNLESS OTHERWISE SPECIFIED.  
ALL RESISTORS ARE 1/8W ±5% CARBON RESISTOR.

ALL CAPACITORS ARE POLYPROPYLENE CAPACITOR OR 50V MYLAR CAPACITOR.

ALL RESISTANCE VALUES ARE IN OHM(Ω).

ALL CAPACITANCE VALUES ARE IN PF(μF).

ALL C. CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE(μF)/RATED VOLTAGE (V).

ALL DIODES ARE 1SS133 OR HSS104 OR MA185.

SEMICONDUCTOR	Ref. No.
AA1F4M	Q705-Q706-Q707-Q708-Q721-Q722-Q723 Q744-Q745
2SC945(P, K)	Q701-Q702-Q704-Q712-Q714-Q730-Q731 Q732
AN1F4M	Q717-Q718-Q719-Q720-Q703
2SA733A(P, K)	Q740-Q741-Q742-Q743-Q913
2SC9082(Q, P)	Q903
2SC9082(B, C)	Q901-Q909
2SC9456(B, C)	Q912-Q915
2SC8647(CD)	Q905
2SC02144S(VW)	Q907-Q908

Fig 6

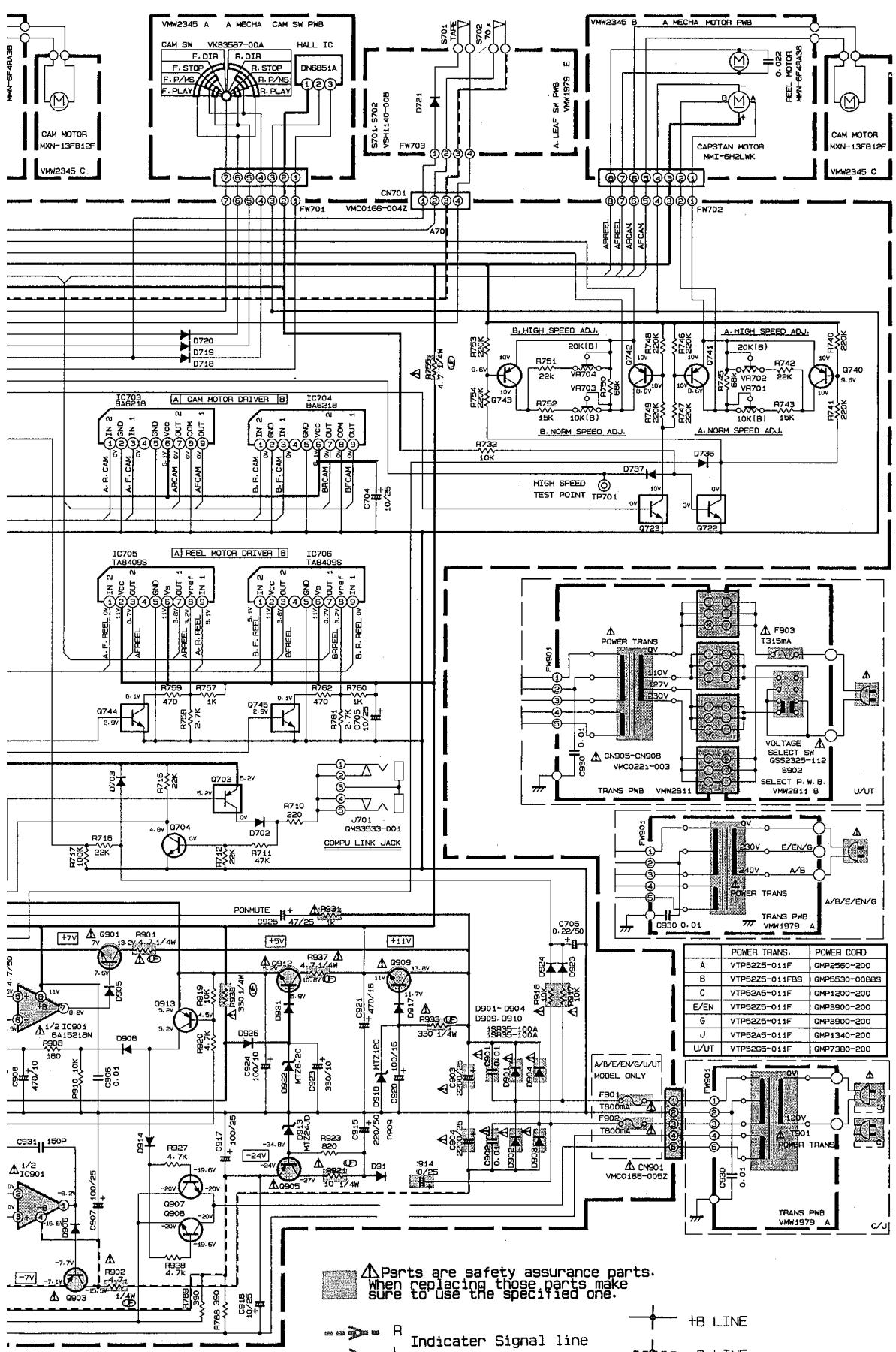
6

7

8

9

10



 △ Parts are safety assurance parts.  
When replacing those parts make  
sure to use the specified one.

 R Indicator Signal line  
 L

 +B LINE  
 -B LINE

## 7 Location of P.C.Board Parts and Parts List

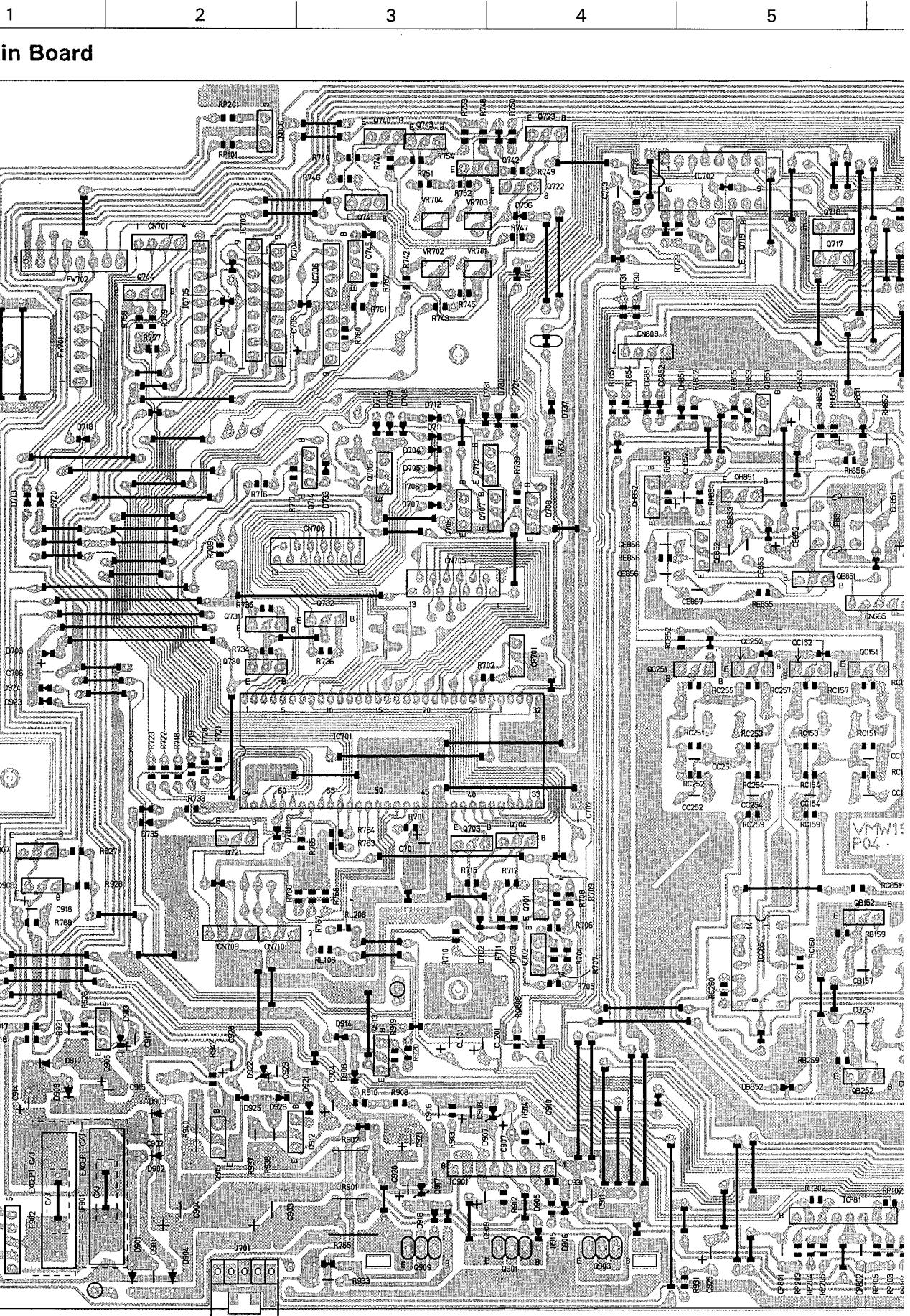
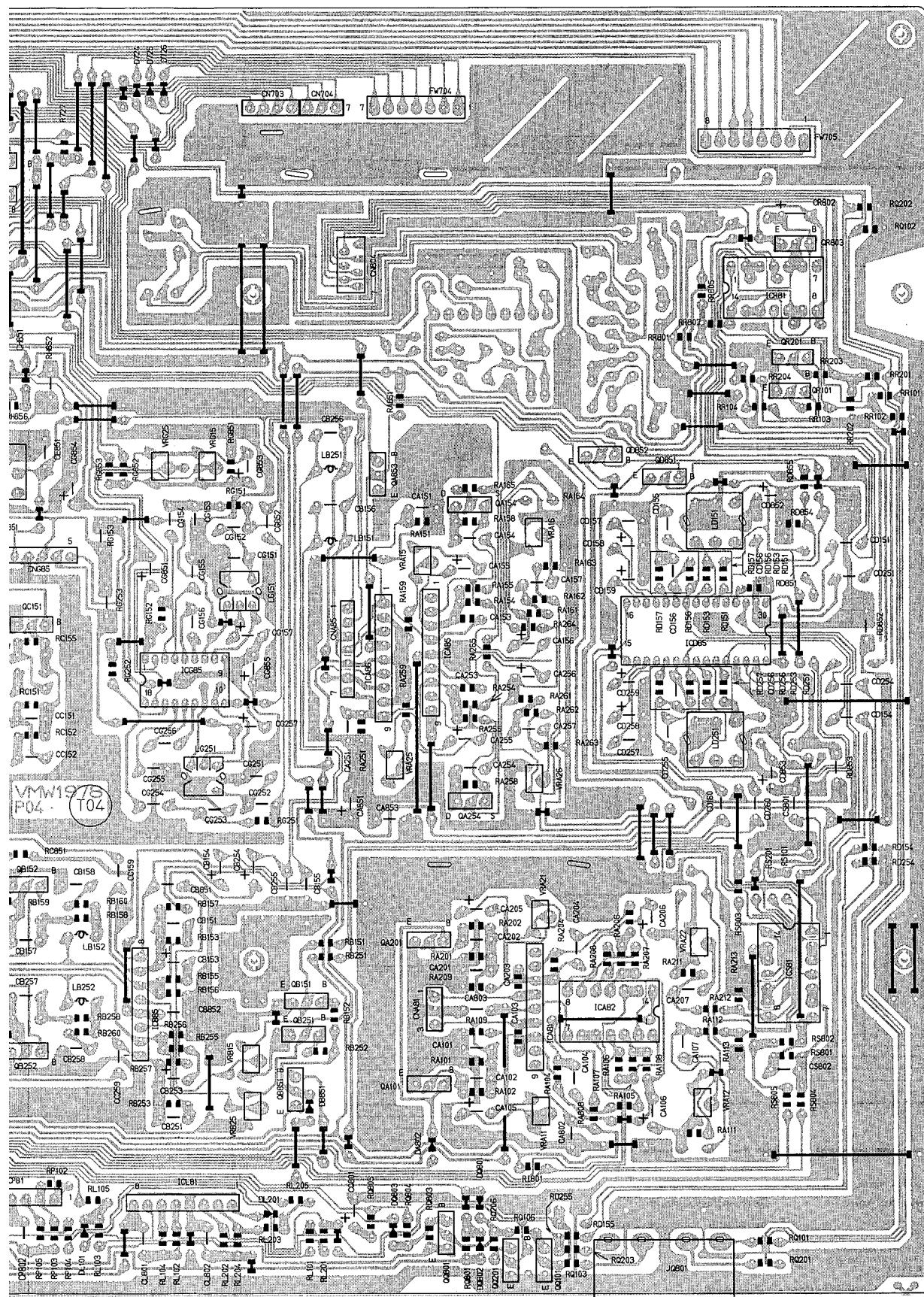


Fig 7 - 1





## ● Main Board parts List

BLOCK NO. ①111111

A. REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX	
C 701	QETC1AM-1072N	E-CAPACITOR	100MF 20% 10V		
C 702	QCS11HJ-471	C-CAPACITOR	470PF 5% 50V		
C 703	QCF11HP-103	C-CAPACITOR	.010MF +100:-0%		
C 704	QETC1EM-1057N	C-CAPACITOR	10MF 20% 25V		
C 705	QETC1EM-1062N	E-CAPACITOR	10MF 20% 25V		
C 706	QETC1HM-2272N	E-CAPACITOR	.22MF 20% 50V		
C 901	QCF11HP-103	C-CAPACITOR	.010MF +100:-0%		
C 902	QCF11HP-103	C-CAPACITOR	.010MF +100:-0%		
C 903	QETB1EM-2288N	E-CAPACITOR	2200MF 20% 25V		
C 904	QETB1EM-2288N	E-CAPACITOR	2200MF 20% 25V		
C 905	QCF11HP-103	C-CAPACITOR	.010MF +100:-0%		
C 907	QETC1EM-1072N	E-CAPACITOR	100MF 20% 25V		
C 908	QETC1AM-4772N	E-CAPACITOR	470MF 20% 10V		
C 909	QETC1HM-4757N	E-CAPACITOR	4.7MF 20% 50V		
C 910	QETC1EM-3377N	E-CAPACITOR	330MF 20% 10V		
C 911	QETC1AM-3377N	E-CAPACITOR	330MF 20% 10V		
C 914	QETC1EM-3372N	E-CAPACITOR	330MF 20% 50V		
C 915	QETC1HM-2272N	E-CAPACITOR	220MF 20% 50V		
C 917	QETC1EM-1072N	E-CAPACITOR	100MF 20% 25V		
C 918	QETC1EM-1062N	E-CAPACITOR	10MF 20% 25V		
C 920	QETC1CM-1072N	E-CAPACITOR	100MF 20% 16V		
C 921	QETC1AM-4772N	E-CAPACITOR	470MF 20% 16V		
C 923	QETC1AM-3372N	E-CAPACITOR	330MF 20% 10V		
C 924	QETC1AM-4757N	E-CAPACITOR	100MF 20% 10V		
C 925	QETC1EM-4762N	E-CAPACITOR	47MF 20% 25V		
C 928	QETC1EM-4762N	E-CAPACITOR	47MF 20% 25V		
C 930	QCF11HP-103	C-CAPACITOR	.010MF +100:-0%		
C 931	QCB1BH-151Y	C-CAPACITOR	150PF 10% 50V		
CA101	QCS11HJ-331	C-CAPACITOR	330PF 5% 50V		
CA102	QCS11HJ-471	C-CAPACITOR	470PF 5% 50V		
CA103	QCB1BH-151Y	C-CAPACITOR	150PF 10% 50V		
CA104	QFLC1HM-103M	M-CAPACITOR	.010MF 5% 50V		
CA105	QETC1AM-2272N	E-CAPACITOR	1500PF 5% 50V		
CA106	QETC1HM-4752N	E-CAPACITOR	4.7MF 20% 50V		
CA107	QFLC1HJ-1522M	M-CAPACITOR	.010MF 5% 50V		
CA151	QCY31HK-6812	C-CAPACITOR	680PF 10% 50V		
CA153	QCB1BK-151Y	M-CAPACITOR	0.10MF 5% 50V		
CA154	QFLC1H-1032M	M-CAPACITOR	0.10MF 5% 50V		
CA155	QETC1AM-2272N	E-CAPACITOR	220MF 20% 10V		
CA156	QETC1HM-4757N	E-CAPACITOR	4.7MF 20% 50V		
CA157	QFLC1HJ-1522M	M-CAPACITOR	1500PF 5% 50V		
CA201	QCS11HJ-331	M-CAPACITOR	1500PF 5% 50V		
CA202	QCS11HJ-471	C-CAPACITOR	470PF 5% 50V		
CA203	QCB1BK-151Y	C-CAPACITOR	150PF 10% 50V		
CA204	QFLC1H-1032M	M-CAPACITOR	0.10MF 5% 50V		
CA205	QETC1AM-2272N	E-CAPACITOR	220MF 20% 10V		
CA206	QETC1AM-4757N	E-CAPACITOR	4.7MF 20% 50V		
CA207	QFLC1H-1522M	M-CAPACITOR	1500PF 5% 50V		
CA251	QCY31HK-6812	E-CAPACITOR	680PF 10% 50V		
CA253	QCB1BK-151Y	C-CAPACITOR	150PF 10% 50V		
CA254	QFLC1HJ-1522M	M-CAPACITOR	0.10MF 5% 50V		
CA255	QETC1AM-2272N	E-CAPACITOR	220MF 20% 10V		
CA256	QETC1AM-752N	E-CAPACITOR	4.7MF 20% 50V		
CA257	QFLC1HJ-1522M	M-CAPACITOR	1500PF 5% 50V		
CA802	QCF11HP-103	C-CAPACITOR	.010MF +100:-0%		

## ● Main Board Parts List

BLOCK NO. ②111111

A. REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX	BLOCK NO. ③111111
CA803	QCF11HP-103	C.CAPACITOR	.010MF +100:-0%		
CA851	QETC1EM-1062N	E.CAPACITOR	10MF 20% 25V		
CA853	QCF11HP-103	C.CAPACITOR	.010MF +100:-0%		
CB151	QCS11HJ-330	C.CAPACITOR	330PF 5% 50V		
CB153	QETC1HM-1542	E.CAPACITOR	.15MF 20% 50V		
CB154	QETC1HM-1052N	E.CAPACITOR	.10MF 20% 50V		
CB155	QCS11HJ-301	E.CAPACITOR	300PF 5% 50V		
CB156	QCS2SH-1512V	C.CAPACITOR	150PF 5% 50V		
CB157	QFLC1HJ-8222M	M.CAPACITOR	8200PF 5% 50V		
CB158	QFLC1HJ-6822M	M.CAPACITOR	6800PF 5% 50V		
CB251	QCS11HJ-330	C.CAPACITOR	330PF 5% 50V		
CB253	QETC1HM-1542	E.CAPACITOR	.15MF 20% 50V		
CB254	QETC1HM-1052N	E.CAPACITOR	.10MF 20% 50V		
CB255	QCS11HJ-301	C.CAPACITOR	300PF 5% 50V		
CB256	QCS2SH-1512V	C.CAPACITOR	150PF 5% 50V		
CB257	QFLC1HJ-8222M	M.CAPACITOR	8200PF 5% 50V		
CB258	QFLC1HJ-6822M	M.CAPACITOR	6800PF 5% 50V		
CB851	QCF11HP-103	C.CAPACITOR	.010MF +100:-0%		
CB852	QCF11HP-103	C.CAPACITOR	.010MF +100:-0%		
CC152	QCC11EM-223V	C.CAPACITOR	.022MF 20% 25V		
CC153	QCC11EM-223V	C.CAPACITOR	.033MF 20% 25V		
CC154	QCC31EM-5332V	C.CAPACITOR	.033MF 20% 25V		
CC155	QFLC1HJ-1822M	M.CAPACITOR	.033MF 20% 25V		
CC156	QCC11EM-223V	C.CAPACITOR	.022MF 20% 25V		
CC252	QCC11EM-223V	C.CAPACITOR	.022MF 20% 25V		
CC254	QCC31EM-3332V	C.CAPACITOR	.022MF 20% 25V		
CC255	QFLC1HJ-1822M	M.CAPACITOR	.022MF 20% 25V		
CD151	QEN41EM-475	N.P.E.CAPACITOR	.033MF 20% 25V		
CD154	QEN41EM-475	N.P.E.CAPACITOR	.033MF 20% 25V		
CD155	QFLC1HJ-2222M	M.CAPACITOR	.02200PF 5% 50V		
CD156	QFLC1HJ-2222M	M.CAPACITOR	.02200PF 5% 50V		
CD157	QFLC1HJ-2222M	M.CAPACITOR	.02200PF 5% 50V		
CD158	QETC1HM-1042N	E.CAPACITOR	.02200PF 5% 50V		
CD160	QEN41EM-475	N.P.E.CAPACITOR	.02200PF 5% 50V		
CD161	QEN41EM-475	N.P.E.CAPACITOR	.02200PF 5% 50V		
CD251	QEN41EM-475	N.P.E.CAPACITOR	.02200PF 5% 50V		
CD254	QEN41EM-475	N.P.E.CAPACITOR	.02200PF 5% 50V		
CD255	QFLC1HJ-2222M	M.CAPACITOR	.02200PF 5% 50V		
CD256	QFLC1HJ-2222M	M.CAPACITOR	.02200PF 5% 50V		
CD257	QFLC1HJ-2222M	M.CAPACITOR	.02200PF 5% 50V		
CE051	QETC1EM-1042N	E.CAPACITOR	.010MF 20% 25V		
CE052	QETC1EM-1042N	E.CAPACITOR	.010MF 20% 25V		
CE053	QEN41EM-475	N.P.E.CAPACITOR	.010MF 20% 25V		
CE054	QEN41EM-475	N.P.E.CAPACITOR	.010MF 20% 25V		
CE055	QFLC1HJ-4772N	E.CAPACITOR	.010MF 20% 10V		
CE056	QETC1EM-4732M	PP.CAPACITOR	.015MF 5% 100V		
CE057	QFLC1HJ-1042N	E.CAPACITOR	.010MF 20% 25V		
CE058	QETC1EM-1042N	E.CAPACITOR	.010MF 20% 25V		
CE059	QETC1EM-1042N	E.CAPACITOR	.010MF 20% 25V		
CE060	QEN41EM-475	N.P.E.CAPACITOR	.010MF 20% 25V		
CE061	QEN41EM-475	N.P.E.CAPACITOR	.010MF 20% 25V		
CE062	QFLC1HJ-4772N	E.CAPACITOR	.010MF 20% 10V		
CE063	QETC1EM-4732M	PP.CAPACITOR	.015MF 5% 100V		
CE064	QETC1EM-4732M	PP.CAPACITOR	.015MF 5% 100V		
CE065	QFLC1HJ-4732M	E.CAPACITOR	.010MF 20% 25V		
CE066	QETC1EM-4732M	E.CAPACITOR	.010MF 20% 25V		
CE067	QEN41EM-475	N.P.E.CAPACITOR	.010MF 20% 25V		
CE068	QEN41EM-475	N.P.E.CAPACITOR	.010MF 20% 25V		
CE069	QFLC1HJ-4772N	E.CAPACITOR	.010MF 20% 10V		
CE070	QFP32AJ-1532M	PP.CAPACITOR	.015MF 5% 100V		
CE071	QFP32AJ-1532M	PP.CAPACITOR	.015MF 5% 100V		
CE072	QETC1EM-1762N	E.CAPACITOR	.010MF 20% 25V		
CE073	QFLC1HJ-1532M	M.CAPACITOR	.015MF 5% 50V		
CE074	QFLC1HJ-1532M	M.CAPACITOR	.015MF 5% 50V		
CE075	QFLC1HJ-1532M	M.CAPACITOR	.015MF 5% 50V		
CE076	QFLC1HJ-1532M	M.CAPACITOR	.015MF 5% 50V		
CE077	QFLC1HJ-1532M	M.CAPACITOR	.015MF 5% 50V		
CE078	QFLC1HJ-1532M	M.CAPACITOR	.015MF 5% 50V		
CE079	QFLC1HJ-1532M	M.CAPACITOR	.015MF 5% 50V		
CE080	QFLC1HJ-1532M	M.CAPACITOR	.015MF 5% 50V		
CE081	QETC1AM-4772N	E.CAPACITOR	.010MF 20% 10V		
CE082	QETC1AM-4772N	E.CAPACITOR	.010MF 20% 10V		
CE083	QETC1AM-4772N	E.CAPACITOR	.010MF 20% 10V		
CE084	QETC1AM-4772N	E.CAPACITOR	.010MF 20% 10V		
CE085	QETC1AM-4772N	E.CAPACITOR	.010MF 20% 10V		
CE086	QETC1AM-4772N	E.CAPACITOR	.010MF 20% 10V		
CE087	QETC1AM-4772N	E.CAPACITOR	.010MF 20% 10V		
CE088	QETC1AM-4772N	E.CAPACITOR	.010MF 20% 10V		
CE089	QETC1AM-4772N	E.CAPACITOR	.010MF 20% 10V		
CE090	QETC1AM-4772N	E.CAPACITOR	.010MF 20% 10V		
CE091	QETC1AM-4772N	E.CAPACITOR	.010MF 20% 10V		
CE092	QETC1AM-4772N	E.CAPACITOR	.010MF 20% 10V		
CE093	QETC1AM-4772N	E.CAPACITOR	.010MF 20% 10V		
CE094	QETC1AM-4772N	E.CAPACITOR	.010MF 20% 10V		
CE095	QETC1AM-4772N	E.CAPACITOR	.010MF 20% 10V		
CE096	QETC1AM-4772N	E.CAPACITOR	.010MF 20% 10V		
CE097	QETC1AM-4772N	E.CAPACITOR	.010MF 20% 10V		
CE098	QETC1AM-4772N	E.CAPACITOR	.010MF 20% 10V		
CE099	QETC1AM-4772N	E.CAPACITOR	.010MF 20% 10V		
CE100	QETC1AM-4772N	E.CAPACITOR	.010MF 20% 10V		
CE101	QETC1AM-4772N	E.CAPACITOR	.010MF 20% 10V		
CE102	QETC1AM-4772N	E.CAPACITOR	.010MF 20% 10V		
CE103	QETC1AM-4772N	E.CAPACITOR	.010MF 20% 10V		
CE104	QETC1AM-4772N	E.CAPACITOR	.010MF 20% 10V		
CE105	QETC1AM-4772N	E.CAPACITOR	.010MF 20% 10V		
CE106	QETC1AM-4772N	E.CAPACITOR	.010MF 20% 10V		
CE107	QETC1AM-4772N	E.CAPACITOR	.010MF 20% 10V		
CE108	QETC1AM-4772N	E.CAPACITOR	.010MF 20% 10V		
CE109	QETC1AM-4772N	E.CAPACITOR	.010MF 20% 10V		
CE110	QETC1AM-4772N	E.CAPACITOR	.010MF 20% 10V		
CE111	QETC1AM-4772N	E.CAPACITOR	.010MF 20% 10V		
CE112	QETC1AM-4772N	E.CAPACITOR	.010MF 20% 10V		
CE113	QETC1AM-4772N	E.CAPACITOR	.010MF 20% 10V		
CE114	QETC1AM-4772N	E.CAPACITOR	.010MF 20% 10V		
CE115	QETC1AM-4772N	E.CAPACITOR	.010MF 20% 10V		
CE116	QETC1AM-4772N	E.CAPACITOR	.010MF 20% 10V		
CE117	QETC1AM-4772N	E.CAPACITOR	.010MF 20% 10V		
CE118	QETC1AM-4772N	E.CAPACITOR	.010MF 20% 10V		
CE119	QETC1AM-4772N	E.CAPACITOR	.010MF 20% 10V		
CE120	QETC1AM-4772N	E.CAPACITOR	.010MF 20% 10V		
CE121	QETC1AM-4772N	E.CAPACITOR	.010MF 20% 10V		
CE122	QETC1AM-4772N	E.CAPACITOR	.010MF 20% 10V		
CE123	QETC1AM-4772N	E.CAPACITOR	.010MF 20% 10V		

BLOCK NO. 01111111

A	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
C155	QFLC1HJ-223ZM	M.CAPACITOR	-022MF 5% 50V		
C156	QFLC1HJ-393ZM	M.CAPACITOR	-039MF 5% 50V		
C157	GETC1EM-106ZN	E.CAPACITOR	1.0MF 20% 25V		
C251	QFP32AJ-561ZM	PP.CAPACITOR	560PF 5% 100V		
G252	QCS11HJ-101	C.CAPACITOR	1.0MF 5% 50V		
G253	QCS11HJ-471	C.CAPACITOR	470PF 5% 50V		
G254	QFLC1HJ-103ZM	M.CAPACITOR	-010MF 5% 50V		
G255	QFLC1HJ-223ZM	M.CAPACITOR	-022MF 5% 50V		
G256	QFLC1HJ-393ZM	M.CAPACITOR	-039MF 5% 50V		
G257	GETC1EM-106ZN	E.CAPACITOR	1.0MF 20% 25V		
G851	GETC1EM-106ZN	E.CAPACITOR	1.0MF 20% 25V		
G852	QCS11HJ-100	C.CAPACITOR	1.0PF 5% 50V		
G853	GETC1AM-105ZN	E.CAPACITOR	1.0MF 20% 50V		
G854	GETC1AM-107ZN	E.CAPACITOR	1.0MF 20% 10V		
G855	GETC1AM-107ZN	E.CAPACITOR	1.0MF 20% 25V		
CH851	GETC1AM-475ZN	E.CAPACITOR	4.7MF 20% 50V		
CH852	GETC1AM-107ZN	E.CAPACITOR	1.0MF 20% 10V		
CH853	GETC1CN-337ZN	E.CAPACITOR	3.37MF 20% 16V		
CL101	GETC1AM-106ZN	E.CAPACITOR	1.0MF 20% 25V		
CL201	GETC1EM-106ZN	E.CAPACITOR	1.0MF 20% 25V		
CL801	QCF11HP-103	C.CAPACITOR	-010MF +100:-0%		
CL802	QCF11HP-103	C.CAPACITOR	-010MF +100:-0%		
CNA81	TTL25V-003	CONNECTOR			
CNA85	QMV5011-007	CONNECTOR			
CNG85	VMCO238-005Z	CONNECTOR			
CN701	VMCO166-004Z	CONNECTOR	A LEAF SWITCH		
CN703	VMCO166-004Z	CONNECTOR	B LEAF SWITCH		
CN704	VMCO166-003Z	CONNECTOR	B LEAF SWITCH		
CN705	VMCO163-013	CONNECTOR	FL SIG		
CN706	VMCO163-013	CONNECTOR	KEY SWITCH A		
CN709	VMCO166-004Z	CONNECTOR	KEY SWITCH A		
CN710	VMCO166-003Z	CONNECTOR	INPUT & KEY		
CN804	VMCO163-007	CONNECTOR	HP AMP		
CNB06	VMCO166-003Z	CONNECTOR	DOLBY SWITCH		
CNB09	VMCO166-004Z	CONNECTOR	POWER SUPPLY		
CN901	VMCO166-005Z	CONNECTOR			
A CN905	VMCO221-003	CONNECTOR			
A CN906	VMCO221-003	CONNECTOR			
A CN907	VMCO221-003	CONNECTOR			
A CN908	VMCO221-003	CONNECTOR			
CP801	QCF11HP-103	C.CAPACITOR	-010MF +100:-0%		
CP802	QCF11HP-103	C.CAPACITOR	-010MF +100:-0%		
CQ801	GETCHM-105ZN	E.CAPACITOR	1.0MF 20% 50V		
CR802	GETCHM-105ZN	E.CAPACITOR	1.0MF 20% 50V		
CS802	QCS11HJ-471	C.CAPACITOR	4.70PF 5% 50V		
D701	ISS133	SI DIODE			
D702	ISS133	SI DIODE			
D703	ISS133	SI DIODE			
D704	ISS133	SI DIODE			
D705	ISS133	SI DIODE			
D706	ISS133	SI DIODE			
D707	ISS133	SI DIODE			
D708	ISS133	SI DIODE			
D709	ISS133	SI DIODE			
D710	ISS133	SI DIODE			

BLOCK NO. 01111111

A	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
D711		ISS133	SI DIODE		
D712		ISS133	SI DIODE		
D713		ISS133	SI DIODE		
D718		ISS133	SI DIODE		
D719		ISS133	SI DIODE		
D720		ISS133	SI DIODE		
D724		ISS133	SI DIODE		
D725		ISS133	SI DIODE		
D726		ISS133	SI DIODE		
D730		ISS133	SI DIODE		
D733		ISS133	SI DIODE		
D735		ISS133	SI DIODE		
D736		ISS133	SI DIODE		
D737		ISS133	SI DIODE		
D901		ISSR5-100A	SI DIODE		
D902		ISSR5-100A	SI DIODE		
D903		ISSR5-100A	SI DIODE		
D904		ISSR5-100A	SI DIODE		
D905		ISS133	SI DIODE		
D906		ISS133	SI DIODE		
D907		WT23-6JA	ZENER DIODE		
D908		ISS133	SI DIODE		
D909		ISSR5-100A	SI DIODE		
D910		ISSR5-100A	SI DIODE		
D913		MT224JD	ZENER DIODE		
D914		ISS133	SI DIODE		
D917		ISS133	SI DIODE		
D918		MT242C	ZENER DIODE		
D921		ISS133	SI DIODE		
D922		MT26-2CT-77	ZENER DIODE		
D923		ISS133	SI DIODE		
D924		ISS133	SI DIODE		
D925		ISS133	SI DIODE		
D926		ISS133	SI DIODE		
D802		ISS133	SI DIODE		
DB851		ISS133	SI DIODE		
DB852		ISS133	SI DIODE		
DB851		ISS133	SI DIODE		
DB832		ISS133	SI DIODE		
D4851		ISS133	SI DIODE		
DB201		ISS133	SI DIODE		
DQ801		ISS133	SI DIODE		
DQ802		ISS133	SI DIODE		
DQ803		ISS133	SI DIODE		
D1101		ISS133	SI DIODE		
IC481		AN6557F	IC		
IC482		BU406B	IC		
IC485		AN6557F	IC		
IC486		UPC130HA	IC		
ICCB85		BA15218N	IC		
ICCB85		BU406B	IC		
ICCD85		HA12142NT	IC		
ICCB85		UPC1297CA	IC		
ICL81		BA15218N	IC		
			HEAD AMP. DECK A		
			PB EQ. DECK A		
			HEAD AMP. DECK B		
			HEAD R/P SW		
			REC AMP.		
			REC EQ. SWITCH		
			DOLBY NR		
			HX PRO		
			LEVEL METER AMP		

A	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX	BLOCK NO. ⑩11111111
	ICP81	BA15218N	IC	HEADPHONE AMP.		
	ICR81	BU4066B	IC	DDRP		
	ICS81	BU4066B	IC	PB SIG. SELECT		
	IC701	MB8514B-1692T	IC	CONTROL MICOM		
	IC702	M5053P	IC	PORT EXPANDER		
	IC703	BA6218	IC	A CAM M.DRIVE		
	IC704	BA6218	IC	B CAM M.DRIVE		
	IC705	TAB09S	IC	A REEL M.DRIVE		
	IC706	TAB09S	IC	B REEL M.DRIVE		
A	IC901	BA1212A8N	IC	REGULATOR		
	J 701	QMS3333-001	JACK	COMPU LINK JACK		
	J Q801	EMN01V-402A	PIN JACK			
	LB151	VQP0001-183	INDUCTOR			
	LB152	VQP0001-5627S	INDUCTOR			
	LB251	VQP0001-183	INDUCTOR			
	LB252	VQP0001-5627S	INDUCTOR			
	LD151	VQZ0024-001	FILTER			
	LD251	VQZ0024-001	OSC COIL(BIAS)			
	LGH51	VQH001-019	OSC COIL(BIAS)			
	LGH51	VQH001-019	OSC COIL(BIAS)			
	LG251	VQH001-019	TRANSISTOR			
	Q 701	2SC945	TRANSISTOR			
	Q 702	2SC945	TRANSISTOR			
	Q 703	AN14M	TRANSISTOR			
	Q 704	2SC945	TRANSISTOR			
	Q 705	UN4212	TRANSISTOR			
	Q 706	UN4212	TRANSISTOR			
	Q 707	UN4212	TRANSISTOR			
	Q 708	UN4212	TRANSISTOR			
	Q 712	2SC945	TRANSISTOR			
	Q 714	2SC945	TRANSISTOR			
	Q 717	AN14M	TRANSISTOR			
	Q 718	AN14M	TRANSISTOR			
	Q 719	AN14M	TRANSISTOR			
	Q 720	AN14M	TRANSISTOR			
	Q 721	UN4212	TRANSISTOR			
	Q 722	UN4212	TRANSISTOR			
	Q 723	UN4212	TRANSISTOR			
	Q 730	2SC945	TRANSISTOR			
	Q 731	2SC945	TRANSISTOR			
	Q 732	2SA333A (P-K)	TRANSISTOR			
	Q 740	2SA333A (P-K)	TRANSISTOR			
	Q 741	2SA333A (P-K)	TRANSISTOR			
	Q 742	2SA333A (P-K)	TRANSISTOR			
	Q 743	2SA333A (P-K)	TRANSISTOR			
	Q 744	UN4212	TRANSISTOR			
	Q 745	UN4212	TRANSISTOR			
A	Q 901	2SD182 (P-Q)	TRANSISTOR			
A	Q 903	2SB772 (Q-P)	TRANSISTOR			
A	Q 905	2SB447 (CD)	TRANSISTOR			
A	Q 907	2SD144S (VW)	TRANSISTOR			
A	Q 908	2SD144S (VW)	TRANSISTOR			
A	Q 909	2SD182 (P-Q)	TRANSISTOR			
A	Q 912	2SD668 (B-C)	TRANSISTOR			
A	Q 913	2SA333A (P-K)	TRANSISTOR			

A	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX	BLOCK NO. ⑩11111111
	Q 915	2SD468 (B-C)	TRANSISTOR			
	QA101	UN4212	TRANSISTOR (FET)			
	QA154	2SK105 (HJ)	TRANSISTOR (FET)			
	QA201	UN4212	TRANSISTOR (FET)			
	QA254	2SK105 (HJ)	TRANSISTOR (FET)			
	QA853	UN4212	TRANSISTOR			
	QB151	2SC2001 (L-K)	TRANSISTOR			
	QC152	UN4212	TRANSISTOR			
	QC251	2SC2001 (L-K)	TRANSISTOR			
	QC252	UN4212	TRANSISTOR			
	QB851	AN1F4M	TRANSISTOR			
	QC154	2SC945	TRANSISTOR			
	QC152	UN4212	TRANSISTOR			
	QC251	2SC945	TRANSISTOR			
	QC252	UN4212	TRANSISTOR			
	GD851	AN1F4M	TRANSISTOR			
	GD852	UN4212	TRANSISTOR			
	GE851	2SC2001 (L-K)	TRANSISTOR			
	GE852	2SC2001 (L-K)	TRANSISTOR			
	GH851	2SC2001 (L-K)	TRANSISTOR			
	GH852	2SA733A (P-K)	TRANSISTOR			
	Q9101	2SC2001 (L-K)	TRANSISTOR			
	Q9201	2SC2001 (L-K)	TRANSISTOR			
	Q9801	2SA733A (P-K)	TRANSISTOR			
	GR101	2SC945	TRANSISTOR			
	GR201	2SC945	TRANSISTOR			
	GR801	UN4212	TRANSISTOR			
	R 701	QRD161J-221	CARBON RESISTOR	220 5% 1/6W		
	R 702	QRD161J-153	CARBON RESISTOR	15K 5% 1/6W		
	R 703	QRD161J-771	CARBON RESISTOR	470 5% 1/6W		
	R 704	QRD161J-102	CARBON RESISTOR	1.0K 5% 1/6W		
	R 705	QRD161J-102	CARBON RESISTOR	1.0K 5% 1/6W		
	R 706	QRD161J-102	CARBON RESISTOR	1.0K 5% 1/6W		
	R 707	QRD161J-471	CARBON RESISTOR	470 5% 1/6W		
	R 708	QRD161J-272	CARBON RESISTOR	2.7K 5% 1/6W		
	R 709	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W		
	R 710	QRD161J-221	CARBON RESISTOR	220 5% 1/6W		
	R 711	QRD161J-473	CARBON RESISTOR	47K 5% 1/6W		
	R 712	QRD161J-223	CARBON RESISTOR	22K 5% 1/6W		
	R 715	QRD161J-223	CARBON RESISTOR	22K 5% 1/6W		
	R 716	QRD161J-223	CARBON RESISTOR	22K 5% 1/6W		
	R 717	QRD161J-104	CARBON RESISTOR	100K 5% 1/6W		
	R 718	QRD161J-101	CARBON RESISTOR	100 5% 1/6W		
	R 719	QRD161J-101	CARBON RESISTOR	100 5% 1/6W		
	R 720	QRD161J-101	CARBON RESISTOR	100 5% 1/6W		
	R 721	QRD161J-101	CARBON RESISTOR	100 5% 1/6W		
	R 722	QRD161J-101	CARBON RESISTOR	100 5% 1/6W		
	R 723	QRD161J-101	CARBON RESISTOR	100 5% 1/6W		
	R 724	QRD161J-773	CARBON RESISTOR	47K 5% 1/6W		
	R 727	QRD161J-223	CARBON RESISTOR	22K 5% 1/6W		
	R 728	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W		
	R 729	QRD161J-223	CARBON RESISTOR	22K 5% 1/6W		
	R 730	QRD161J-473	CARBON RESISTOR	47K 5% 1/6W		

A	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX	BLOCK NO. 01111111	BLOCK NO. 01111111	BLOCK NO. 01111111
R 731	GRD161J-73	CARBON RESISTOR	47K 5% 1/6W					
R 732	GRD161J-103	CARBON RESISTOR	10K 5% 1/6W					
R 733	GRD161J-223	CARBON RESISTOR	22K 5% 1/6W					
R 734	GRD161J-223	CARBON RESISTOR	22K 5% 1/6W					
R 735	GRD161J-223	CARBON RESISTOR	22K 5% 1/6W					
R 736	GRD161J-223	CARBON RESISTOR	22K 5% 1/6W					
R 739	GRD161J-473	CARBON RESISTOR	47K 5% 1/6W					
R 740	GRD161J-224	CARBON RESISTOR	220K 5% 1/6W					
R 741	GRD161J-224	CARBON RESISTOR	220K 5% 1/6W					
R 742	GRD161J-223	CARBON RESISTOR	22K 5% 1/6W					
R 743	GRD161J-153	CARBON RESISTOR	15K 5% 1/6W					
R 745	GRD161J-683	CARBON RESISTOR	68K 5% 1/6W					
R 746	GRD161J-224	CARBON RESISTOR	220K 5% 1/6W					
R 747	GRD161J-224	CARBON RESISTOR	220K 5% 1/6W					
R 748	GRD161J-224	CARBON RESISTOR	220K 5% 1/6W					
R 749	GRD161J-224	CARBON RESISTOR	220K 5% 1/6W					
R 750	GRD161J-683	CARBON RESISTOR	68K 5% 1/6W					
R 751	GRD161J-223	CARBON RESISTOR	22K 5% 1/6W					
R 752	GRD161J-153	CARBON RESISTOR	15K 5% 1/6W					
R 753	GRD161J-224	CARBON RESISTOR	220K 5% 1/6W					
R 754	GRD161J-224	CARBON RESISTOR	220K 5% 1/6W					
A R 755	GRD14CJ-4R7SX	CARBON RESISTOR	4.7K 5% 1/4W					
R 757	GRD161J-102	CARBON RESISTOR	1.0K 5% 1/6W					
R 758	GRD161J-772	CARBON RESISTOR	2.7K 5% 1/6W					
R 759	GRD161J-471	CARBON RESISTOR	4.0K 5% 1/6W					
R 760	GRD161J-102	CARBON RESISTOR	1.0K 5% 1/6W					
R 761	GRD161J-272	CARBON RESISTOR	2.7K 5% 1/6W					
R 762	GRD161J-471	CARBON RESISTOR	4.7K 5% 1/6W					
R 763	GRD161J-223	CARBON RESISTOR	22K 5% 1/6W					
R 764	GRD161J-223	CARBON RESISTOR	22K 5% 1/6W					
R 765	GRD167J-682	CARBON RESISTOR	6.8K 5% 1/6W					
R 766	GRD167J-682	CARBON RESISTOR	6.8K 5% 1/6W					
R 767	GRD167J-682	CARBON RESISTOR	6.8K 5% 1/6W					
R 768	GRD167J-682	CARBON RESISTOR	6.8K 5% 1/6W					
R 788	GRD161J-391	CARBON RESISTOR	390 5% 1/6W					
R 789	GRD161J-391	CARBON RESISTOR	390 5% 1/6W					
A R 901	GRD14CJ-4R7SX	CARBON RESISTOR	4.7K 5% 1/4W					
A R 902	GRD14CJ-4R7SX	CARBON RESISTOR	4.7K 5% 1/4W					
R 908	GRD161J-181	CARBON RESISTOR	180 5% 1/6W					
R 910	GRD161J-103	CARBON RESISTOR	10K 5% 1/6W					
R 912	GRD161J-103	CARBON RESISTOR	10K 5% 1/6W					
R 913	GRD161J-103	CARBON RESISTOR	10K 5% 1/6W					
R 914	GRD161J-103	CARBON RESISTOR	10K 5% 1/6W					
R 915	GRD161J-103	CARBON RESISTOR	10K 5% 1/6W					
R 917	GRD161J-103	CARBON RESISTOR	10K 5% 1/6W					
R 918	GRD161J-103	CARBON RESISTOR	10K 5% 1/6W					
R 919	GRD161J-472	CARBON RESISTOR	4.7K 5% 1/6W					
R 920	GRD161J-472	CARBON RESISTOR	4.7K 5% 1/6W					
A R 921	GRD14CJ-100SX	CARBON RESISTOR	10 5% 1/4W					
A R 923	GRD161J-821	CARBON RESISTOR	820 5% 1/6W					
R 927	GRD161J-472	CARBON RESISTOR	4.7K 5% 1/6W					
R 928	GRD161J-472	CARBON RESISTOR	4.7K 5% 1/6W					
A R 931	GRD161J-102	CARBON RESISTOR	1.0K 5% 1/6W					
A R 933	GRD14CJ-331SX	CARBON RESISTOR	330 5% 1/4W					
A R 937	GRD14CJ-4R7SX	CARBON RESISTOR	4.7 5% 1/4W					

A	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX	BLOCK NO. 01111111	BLOCK NO. 01111111	BLOCK NO. 01111111
A R 938	GRD14CJ-331SX	CARBON RESISTOR	330 5% 1/4W					
A R 940	GRD14CJ-6R8SX	CARBON RESISTOR	6.8 5% 1/4W					
A R 942	GRD161J-223	CARBON RESISTOR	22K 5% 1/6W					
A R 101	GRD161J-104	CARBON RESISTOR	100K 5% 1/6W					
A R 102	GRD161J-105	CARBON RESISTOR	1.0M 5% 1/6W					
A R 104	GRD161J-394	CARBON RESISTOR	390K 5% 1/6W					
A R 105	GRD161J-392	CARBON RESISTOR	3.9K 5% 1/6W					
A R 106	GRD167J-332	CARBON RESISTOR	3.3K 5% 1/6W					
A R 107	GRD161J-152	CARBON RESISTOR	1.5K 5% 1/6W					
A R 108	GRD161J-392	CARBON RESISTOR	3.9K 5% 1/6W					
A R 111	GRD161J-223	CARBON RESISTOR	22K 5% 1/6W					
A R 112	GRD161J-103	CARBON RESISTOR	10K 5% 1/6W					
A R 113	GRD161J-123	CARBON RESISTOR	12K 5% 1/6W					
A R 151	GRD161J-333	CARBON RESISTOR	33K 5% 1/6W					
A R 154	GRD161J-394	CARBON RESISTOR	390K 5% 1/6W					
A R 155	GRD161J-682	CARBON RESISTOR	6.8K 5% 1/6W					
A R 158	GRD167J-1180	CARBON RESISTOR	1.18M 5% 1/6W					
A R 159	GRD161J-180	CARBON RESISTOR	180K 5% 1/6W					
A R 161	GRD161J-223	CARBON RESISTOR	22K 5% 1/6W					
A R 162	GRD167J-562	CARBON RESISTOR	5.6K 5% 1/6W					
A R 165	GRD161J-123	CARBON RESISTOR	12K 5% 1/6W					
A R 201	GRD161J-104	CARBON RESISTOR	1.0M 5% 1/6W					
A R 204	GRD161J-394	CARBON RESISTOR	390K 5% 1/6W					
A R 205	GRD161J-392	CARBON RESISTOR	3.9K 5% 1/6W					
A R 206	GRD167J-332	CARBON RESISTOR	3.3K 5% 1/6W					
A R 207	GRD167J-152	CARBON RESISTOR	1.5K 5% 1/6W					
A R 208	GRD161J-392	CARBON RESISTOR	3.9K 5% 1/6W					
A R 209	GRD161J-180	CARBON RESISTOR	180K 5% 1/6W					
A R 211	GRD161J-223	CARBON RESISTOR	22K 5% 1/6W					
A R 212	GRD161J-103	CARBON RESISTOR	10K 5% 1/6W					
A R 213	GRD161J-123	CARBON RESISTOR	12K 5% 1/6W					
A R 251	GRD161J-333	CARBON RESISTOR	33K 5% 1/6W					
A R 254	GRD161J-394	CARBON RESISTOR	390K 5% 1/6W					
A R 255	GRD167J-682	CARBON RESISTOR	6.8K 5% 1/6W					
A R 258	GRD161J-112	CARBON RESISTOR	1.12M 5% 1/6W					
A R 259	GRD161J-180	CARBON RESISTOR	180K 5% 1/6W					
A R 261	GRD161J-223	CARBON RESISTOR	22K 5% 1/6W					
A R 262	GRD167J-562	CARBON RESISTOR	5.6K 5% 1/6W					
A R 263	GRD161J-113	CARBON RESISTOR	1.13M 5% 1/6W					
A R 265	GRD161J-105	CARBON RESISTOR	1.05M 5% 1/6W					
A R 268	GRD161J-102	CARBON RESISTOR	1.02M 5% 1/6W					
A R 251	GRD161J-123	CARBON RESISTOR	12K 5% 1/6W					
A R 254	GRD161J-333	CARBON RESISTOR	33K 5% 1/6W					
A R 255	GRD167J-562	CARBON RESISTOR	5.6K 5% 1/6W					
A R 258	GRD161J-112	CARBON RESISTOR	1.12M 5% 1/6W					
A R 259	GRD161J-180	CARBON RESISTOR	180K 5% 1/6W					
A R 261	GRD161J-223	CARBON RESISTOR	22K 5% 1/6W					
A R 262	GRD167J-472	CARBON RESISTOR	4.72K 5% 1/6W					
A R 263	GRD161J-113	CARBON RESISTOR	1.13M 5% 1/6W					
A R 265	GRD161J-105	CARBON RESISTOR	1.05M 5% 1/6W					
A R 268	GRD161J-102	CARBON RESISTOR	1.02M 5% 1/6W					
A R 251	GRD161J-123	CARBON RESISTOR	12K 5% 1/6W					
A R 254	GRD167J-332	CARBON RESISTOR	33K 5% 1/6W					
A R 255	GRD161J-73	CARBON RESISTOR	4.7K 5% 1/6W					
A R 258	GRD161J-471	CARBON RESISTOR	4.71K 5% 1/6W					
A R 259	GRD161J-105	CARBON RESISTOR	1.05M 5% 1/6W					
A R 260	GRD161J-271	CARBON RESISTOR	270 5% 1/6W					
A R 251	GRD161J-472	CARBON RESISTOR	4.7K 5% 1/6W					

BLOCK NO. 01

A	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
	RH851	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W	
A	RH852	QRD14CJ-4R7SX	CARBON RESISTOR	4.7 5% 1/4W	
	RH853	QRD161J-122	CARBON RESISTOR	1.2K 5% 1/6W	
	RH854	QRD161J-102	CARBON RESISTOR	1.0K 5% 1/6W	
	RH855	QRD161J-471	CARBON RESISTOR	470 5% 1/6W	
	RH856	QRD167J-332	CARBON RESISTOR	3.3K 5% 1/6W	
	R1801	QRD161J-473	CARBON RESISTOR	47K 5% 1/6W	
R1851	QRD161J-182	CARBON RESISTOR	1.8K 5% 1/6W		
R1852	QRD161J-223	CARBON RESISTOR	22K 5% 1/6W		
R1853	QRD161J-223	CARBON RESISTOR	22K 5% 1/6W		
	R1854	QRD161J-182	CARBON RESISTOR	1.8K 5% 1/6W	
	R1855	QRD161J-473	CARBON RESISTOR	47K 5% 1/6W	
RL101	QRD161J-103	CARBON RESISTOR	2.7K 5% 1/6W		
RL102	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W		
RL103	QRD161J-683	CARBON RESISTOR	68K 5% 1/6W		
RL104	QRD161J-273	CARBON RESISTOR	27K 5% 1/6W		
RL105	QRD161J-220	CARBON RESISTOR	22K 5% 1/6W		
RL201	QRD161J-272	CARBON RESISTOR	1.0K 5% 1/6W		
RL202	QRD161J-103	CARBON RESISTOR	2.7K 5% 1/6W		
RL203	QRD161J-683	CARBON RESISTOR	10K 5% 1/6W		
RL204	QRD161J-273	CARBON RESISTOR	27K 5% 1/6W		
RL205	QRD161J-220	CARBON RESISTOR	22K 5% 1/6W		
RL206	QRD161J-102	CARBON RESISTOR	1.0K 5% 1/6W		
RP101	QRD161J-151	CARBON RESISTOR	150 5% 1/6W		
RP102	QRD161J-124	CARBON RESISTOR	120K 5% 1/6W		
RP103	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W		
RP104	QRD167J-562	CARBON RESISTOR	5.6K 5% 1/6W		
RP105	QRD161J-182	CARBON RESISTOR	1.8K 5% 1/6W		
RP201	QRD161J-151	CARBON RESISTOR	150 5% 1/6W		
RP202	QRD161J-124	CARBON RESISTOR	120K 5% 1/6W		
RP203	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W		
RP204	QRD167J-562	CARBON RESISTOR	5.6K 5% 1/6W		
RP205	QRD161J-182	CARBON RESISTOR	1.8K 5% 1/6W		
RQ101	QRD161J-273	CARBON RESISTOR	27K 5% 1/6W		
RQ102	QRD161J-393	CARBON RESISTOR	39K 5% 1/6W		
RQ103	QRD161J-102	CARBON RESISTOR	1.0K 5% 1/6W		
RQ106	QRD161J-222	CARBON RESISTOR	2.2K 5% 1/6W		
RQ201	QRD161J-273	CARBON RESISTOR	27K 5% 1/6W		
RQ202	QRD161J-393	CARBON RESISTOR	39K 5% 1/6W		
RQ203	QRD161J-102	CARBON RESISTOR	1.0K 5% 1/6W		
RQ204	QRD161J-222	CARBON RESISTOR	2.2K 5% 1/6W		
RQ801	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W		
RQ803	QRD161J-223	CARBON RESISTOR	22K 5% 1/6W		
RQ804	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W		
RQ805	QRD161J-101	CARBON RESISTOR	100 5% 1/6W		
RQ806	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W		
RR101	QRD161J-104	CARBON RESISTOR	100K 5% 1/6W		
RR102	QRD161J-104	CARBON RESISTOR	100K 5% 1/6W		
RR103	QRD161J-823	CARBON RESISTOR	82K 5% 1/6W		
RR104	QRD167J-332	CARBON RESISTOR	3.3K 5% 1/6W		
RR201	QRD161J-104	CARBON RESISTOR	100K 5% 1/6W		
RR202	QRD161J-106	CARBON RESISTOR	100K 5% 1/6W		
RR203	QRD161J-823	CARBON RESISTOR	82K 5% 1/6W		
RR204	QRD167J-332	CARBON RESISTOR	3.3K 5% 1/6W		

BLOCK NO. 01

A	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
	RB252	QRD161J-332	CARBON RESISTOR	3•3K 5% 1/6W	
	RB253	QRD161J-473	CARBON RESISTOR	47K 5% 1/6W	
	RB254	QRD161J-223	CARBON RESISTOR	22K 5% 1/6W	
	RB255	QRD161J-152	CARBON RESISTOR	1.5K 5% 1/6W	
	RB257	QRD161J-223	CARBON RESISTOR	22K 5% 1/6W	
	RB258	QRD161J-471	CARBON RESISTOR	470 5% 1/6W	
	RB259	QRD161J-105	CARBON RESISTOR	1.0M 5% 1/6W	
	RB260	QRD161J-271	CARBON RESISTOR	270 5% 1/6W	
	RC151	QRD161J-822	CARBON RESISTOR	8.2K 5% 1/6W	
	RC152	QRD161J-272	CARBON RESISTOR	2.7K 5% 1/6W	
	RC153	QRD161J-222	CARBON RESISTOR	2.2K 5% 1/6W	
	RC154	QRD161J-122	CARBON RESISTOR	1.2K 5% 1/6W	
	RC155	QRD161J-472	CARBON RESISTOR	4.7K 5% 1/6W	
	RC157	QRD161J-182	CARBON RESISTOR	1.8K 5% 1/6W	
	RC159	QRD161J-333	CARBON RESISTOR	33K 5% 1/6W	
	RC160	QRD161J-105	CARBON RESISTOR	1.0M 5% 1/6W	
	RC251	QRD161J-822	CARBON RESISTOR	8.2K 5% 1/6W	
	RC252	QRD161J-272	CARBON RESISTOR	2.7K 5% 1/6W	
	RC253	QRD161J-222	CARBON RESISTOR	2.2K 5% 1/6W	
	RC254	QRD161J-122	CARBON RESISTOR	1.2K 5% 1/6W	
	RC255	QRD161J-472	CARBON RESISTOR	4.7K 5% 1/6W	
	RC257	QRD161J-182	CARBON RESISTOR	1.8K 5% 1/6W	
	RC259	QRD161J-333	CARBON RESISTOR	33K 5% 1/6W	
	RC260	QRD161J-105	CARBON RESISTOR	1.0M 5% 1/6W	
	RC251	QRD161J-102	CARBON RESISTOR	1.0K 5% 1/6W	
	RC252	QRD161J-223	CARBON RESISTOR	22K 5% 1/6W	
	RD151	QRD161J-222	CARBON RESISTOR	2.2K 5% 1/6W	
	RD153	QRD161J-472	CARBON RESISTOR	4.7K 5% 1/6W	
	RD154	QRD161J-104	CARBON RESISTOR	1.0M 5% 1/6W	
	RD155	QRD161J-152	CARBON RESISTOR	1.5K 5% 1/6W	
	RD157	QRD161J-223	CARBON RESISTOR	22K 5% 1/6W	
	RD251	QRD161J-222	CARBON RESISTOR	2.2K 5% 1/6W	
	RD253	QRD161J-472	CARBON RESISTOR	4.7K 5% 1/6W	
	RD254	QRD161J-104	CARBON RESISTOR	1.0M 5% 1/6W	
	RD255	QRD161J-152	CARBON RESISTOR	1.5K 5% 1/6W	
	RD256	QRD161J-223	CARBON RESISTOR	22K 5% 1/6W	
	RD257	QRD161J-561	CARBON RESISTOR	560 5% 1/6W	
	RD251	QRD161J-561	CARBON RESISTOR	560 5% 1/6W	
	RD252	QRD14CJ-47CSX	CARBON RESISTOR	47 5% 1/4W	
	RD253	QRD14CJ-470SX	CARBON RESISTOR	47 5% 1/4W	
	RD254	QRD161J-183	CARBON RESISTOR	18K 5% 1/6W	
	RD255	QRD161J-153	CARBON RESISTOR	15K 5% 1/6W	
	RE853	QRD14CJ-4R8SX	CARBON RESISTOR	4.7 5% 1/4W	
	RD853	QRD161J-183	CARBON RESISTOR	18K 5% 1/6W	
	RD854	QRD161J-153	CARBON RESISTOR	15K 5% 1/6W	
	RD855	QRD161J-273	CARBON RESISTOR	27K 5% 1/6W	
	RE856	QRD161J-273	CARBON RESISTOR	27K 5% 1/6W	
	RG151	QRD161J-334	CARBON RESISTOR	330K 5% 1/6W	
	RG152	QRD161J-473	CARBON RESISTOR	47K 5% 1/6W	
	RG153	QRD14CJ-100SX	CARBON RESISTOR	10 5% 1/4W	
	RG51	QRD161J-334	CARBON RESISTOR	330K 5% 1/6W	
	RG52	QRD161J-473	CARBON RESISTOR	47K 5% 1/6W	
	RG53	QRD161J-100SX	CARBON RESISTOR	10 5% 1/4W	
	RG54	QRD161J-822	CARBON RESISTOR	8.2K 5% 1/6W	
	RG55	QRD161J-332	CARBON RESISTOR	3.3K 5% 1/6W	
	RG56	QRD161J-223	CARBON RESISTOR	2.2K 5% 1/6W	

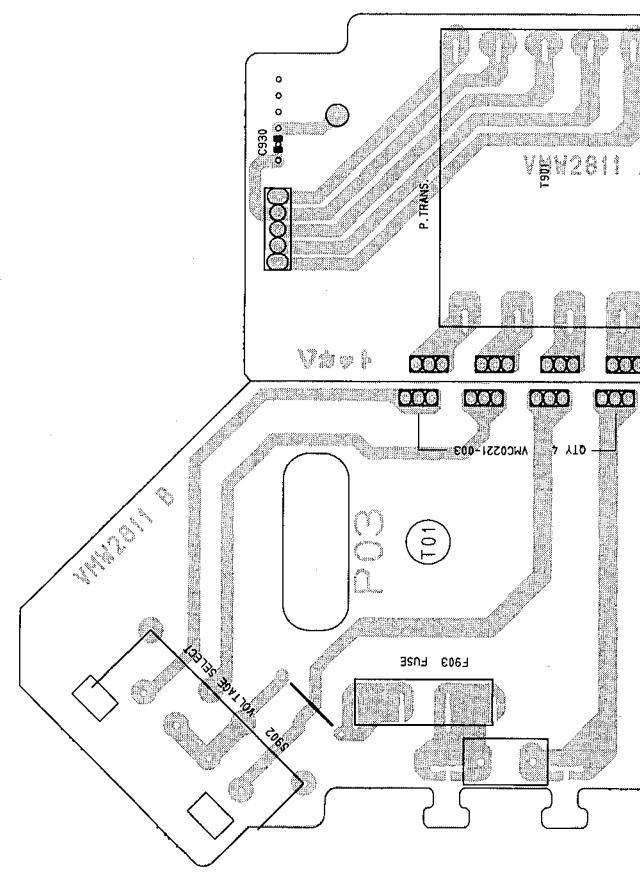
## ● Power Supply Board Parts List

## ● Main board parts List

BLOCK NO. ③

▲ REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
C 930	QCF11HP-003	C.CAPACITOR	.010MF +100:-0%	X
▲ CN005	VMCO221-003	CONNECTOR		
▲ CN006	VMCO221-003	CONNECTOR		
▲ CN007	VMCO221-003	CONNECTOR		
▲ CN008	VMCO221-003	CONNECTOR		
F 903	QMF51A2-R315	FUSE	315MA	U/UT
S 902	QSS2325-112	SLIDE SWITCH	V.SELECT	U/UT
A T 901	VP5225-011F	POWER TRANS.	A>E, EN>G	C>J
T 901	VP522A5-011F	POWER TRANS.		U/UT
T 901	VP52G5-011F	POWER TRANS.		

## ● U/UT Version



BLOCK NO. ①

## ● Main/Power Supply Board Parts List

BLOCK NO. ②

▲ REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
FR801	QRD161J-223	CARBON RESISTOR	22K 5% 1/6W	
FR805	QRD161J-104	CARBON RESISTOR	100K 5% 1/6W	
FR806	QRD161J-222	CARBON RESISTOR	2.2K 5% 1/6W	
FR807	QRD161J-102	CARBON RESISTOR	1.0K 5% 1/6W	
RS801	QRD161J-104	CARBON RESISTOR	100K 5% 1/6W	
RS802	QRD161J-104	CARBON RESISTOR	100K 5% 1/6W	
RS803	QRD161J-102	CARBON RESISTOR	1.0K 5% 1/6W	
RS804	QRD161J-102	CARBON RESISTOR	1.0K 5% 1/6W	
VRA11	QVZ3523-101	V.RESISTOR	1.0K 5% 1/6W	
VRA12	QVZ3523-203AZ	V.RESISTOR	A PB LEVEL ADJ	
VRA15	QVZ3523-101	V.RESISTOR	A PB EQ ADJ	
VRA16	QVZ3523-203AZ	V.RESISTOR	B PB EQ ADJ	
VRA21	QVZ3523-101	V.RESISTOR	A PB LEVEL ADJ	
VRA22	QVZ3523-203AZ	V.RESISTOR	A PB EQ ADJ	
VRA25	QVZ3523-101	V.RESISTOR	B PB LEVEL ADJ	
VRA26	QVZ3523-203AZ	V.RESISTOR	B PB EQ ADJ	
VRB15	QVZ3523-203AZ	V.RESISTOR	B REC LEVEL ADJ	
VRB25	QVZ3523-203AZ	V.RESISTOR	B REC LEVEL ADJ	
VRG15	QVZ3523-203AZ	V.RESISTOR	B BIAS ADJ	
VRG25	QVZ3523-203AZ	V.RESISTOR	B BIAS ADJ	
VR701	QVPE612-103ZM	SEMI.V.RESISTOR	A N.SPEED ADJ	
VR702	QVPE612-203ZM	SEMI.V.RESISTOR	A H.SPEED ADJ	
VR703	QVPE612-103ZM	SEMI.V.RESISTOR	B N.SPEED ADJ	
VR704	QVPE612-203ZM	SEMI.V.RESISTOR	B H.SPEED ADJ	



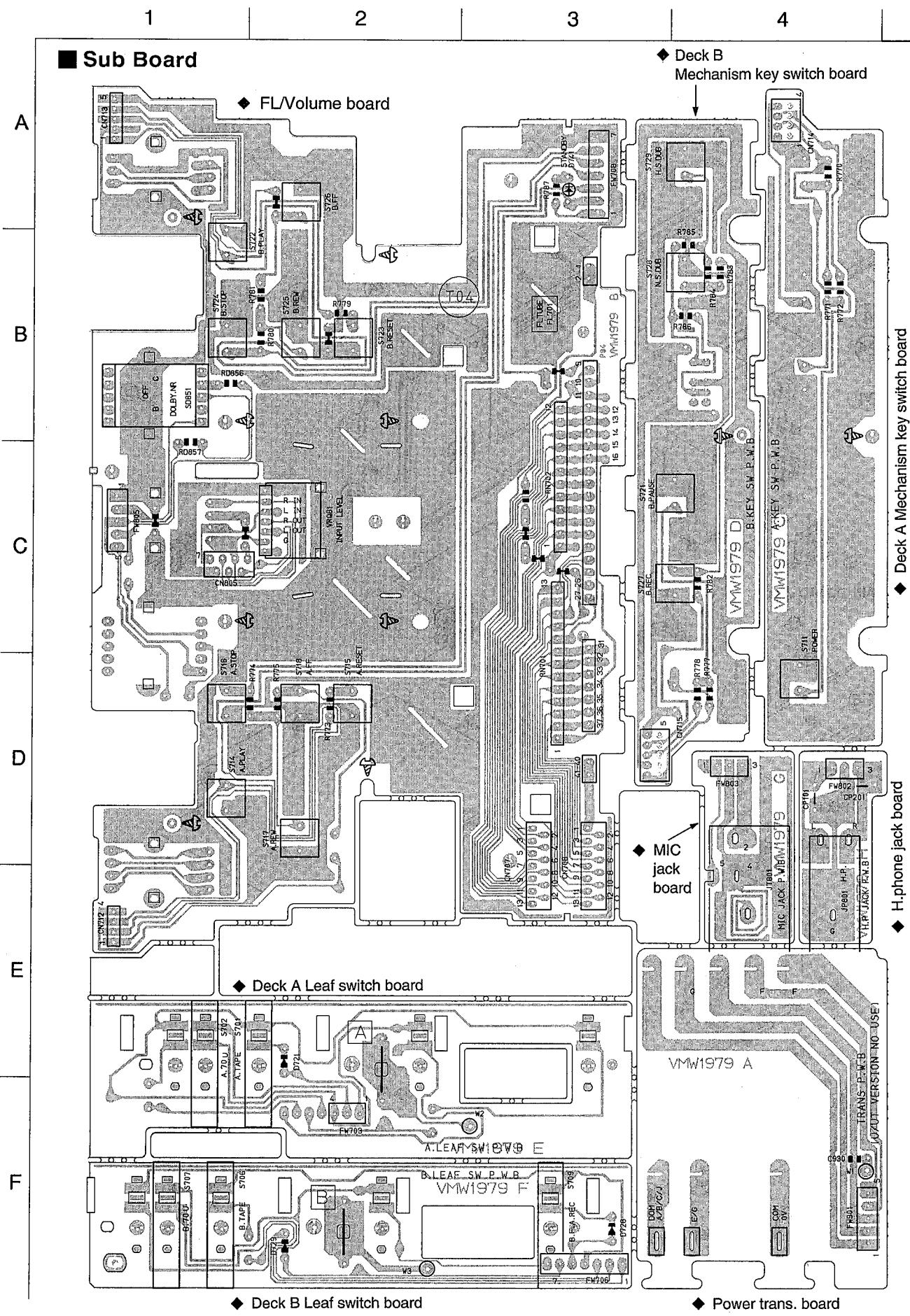


Fig 7 - 2

● Sub Board Parts List

REF.	PARTS NO.	PARTS NAME	REMARKS	SURF IX	BLOCK NO. [2] [1] [1]
C 930	QCVB1CM-103Y	C.CAPACITOR	.010MF 20% 16V		
CN707	VMC0163-013	CONNECTOR	FL SIG		
CN708	VMC0163-013	CONNECTOR	FL SIG		
CN712	VMC0180-004	CONNECTOR	POWER SWITCH		
CN713	VMC0280-005	CONNECTOR	KEY SWITCH B		
CN714	VMC0181-S04	CONNECTOR	POWER SWITCH		
CN715	VMC0281-S05	CONNECTOR	KEY SWITCH B		
CN805	VMC0163-007	CONNECTOR	INPUT&KEY		
CP101	QFLC1HJ-473ZM	M.CAPACITOR	.047MF 5% 50V		
CP201	QFLC1HJ-473ZM	M.CAPACITOR	.047MF 5% 50V		
D 721	ISS133	SI DIODE			
D 727	ISS133	SI DIODE			
D 728	ISS133	SI DIODE			
D 741	SLR55VCF08	LED			
FL701	BJ1506K	FL TUBE			
JRP801	QMS8032-V01	JACK	H.P JACK		
R 770	QRD161J-102	CARBON RESISTOR	1.0K 5% 1/6W		
R 771	QRD161J-122	CARBON RESISTOR	1.2K 5% 1/6W		
R 772	QRD161J-182	CARBON RESISTOR	1.8K 5% 1/6W		
R 773	QRD161J-272	CARBON RESISTOR	2.7K 5% 1/6W		
R 774	QRD161J-102	CARBON RESISTOR	1.0K 5% 1/6W		
R 775	QRD161J-122	CARBON RESISTOR	1.2K 5% 1/6W		
R 777	QRD161J-222	CARBON RESISTOR	2.2K 5% 1/6W		
R 778	QRD161J-182	CARBON RESISTOR	1.8K 5% 1/6W		
R 779	QRD161J-272	CARBON RESISTOR	2.7K 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-182	CARBON RESISTOR	1.8K 5% 1/6W		
R 783	QRD161J-272	CARBON RESISTOR	2.7K 5% 1/6W		
R 784	QRD161J-472	CARBON RESISTOR	4.7K 5% 1/6W		
R 787	QRD161J-151	CARBON RESISTOR	150 5% 1/6W		
R 799	QRD161J-473	CARBON RESISTOR	47K 5% 1/6W		
RDB856	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W		
RDB857	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W		
RN701	QRB25J-473	R.NETWORK	4.7K 5% 1/2W		
RN702	QRB15J-473	R.NETWORK	47K 5% 1/1W		
S 701	VSH140-006	LEAF SWITCH	TAPE		
S 702	VSH140-006	LEAF SWITCH	70EQ		
S 706	VSH140-006	LEAF SWITCH	TAPE		
S 707	VSH140-006	LEAF SWITCH	70EQ		
S 708	VSH140-006	LEAF SWITCH	METAL		
S 709	VSH140-006	LEAF SWITCH	F.A.REC		
S 711	QSQH11-V01	TACT SWITCH	POWER		
S 714	QSQH11-V01	TACT SWITCH	A.PLAY		
S 715	QSQH11-V01	TACT SWITCH	A.COUNTER.RESET		
S 716	QSQH11-V01	TACT SWITCH	A.STOP		
S 717	QSQH11-V01	TACT SWITCH	A.REW		
S 718	QSQH11-V01	TACT SWITCH	A.FF		
S 721	QSQH11-V01	TACT SWITCH	B.PAUSE		
S 722	QSQH11-V01	TACT SWITCH	B.PLAY		
S 723	QSQH11-V01	TACT SWITCH	B.COUNTER.RESET		
S 724	QSQH11-V01	TACT SWITCH	B.STOP		
S 725	QSQH11-V01	TACT SWITCH	B.REW		
S 726	QSQH11-V01	TACT SWITCH	B.FF		
S 727	QSQH11-V01	TACT SWITCH	B.REC		

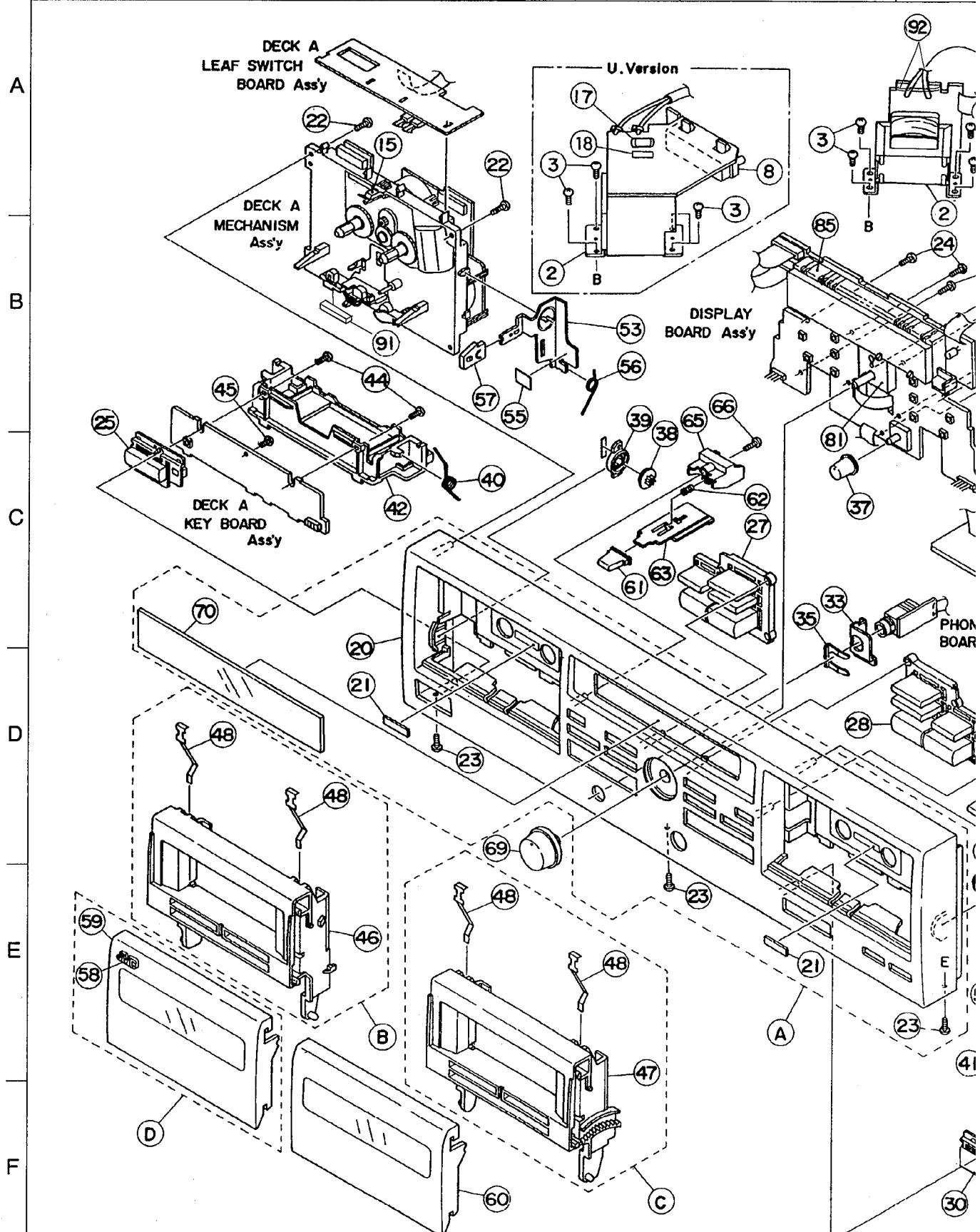
● Sub Board parts List

REF.	PARTS NO.	PARTS NAME	REMARKS	SURF IX	BLOCK NO. [2] [1] [1]
C 930	QCVB1CM-103Y	C.CAPACITOR	.010MF 20% 16V		
CN707	VMC0163-013	CONNECTOR	FL SIG		
CN708	VMC0163-013	CONNECTOR	FL SIG		
CN712	VMC0180-004	CONNECTOR	POWER SWITCH		
CN713	VMC0280-005	CONNECTOR	KEY SWITCH B		
CN714	VMC0181-S04	CONNECTOR	POWER SWITCH		
CN715	VMC0281-S05	CONNECTOR	KEY SWITCH B		
CN805	VMC0163-007	CONNECTOR	INPUT&KEY		
CP101	QFLC1HJ-473ZM	M.CAPACITOR	.047MF 5% 50V		
CP201	QFLC1HJ-473ZM	M.CAPACITOR	.047MF 5% 50V		
D 721	ISS133	SI DIODE			
D 727	ISS133	SI DIODE			
D 728	ISS133	SI DIODE			
D 741	SLR55VCF08	LED			
FL701	BJ1506K	FL TUBE			
JRP801	QMS8032-V01	JACK	H.P JACK		
R 770	QRD161J-102	CARBON RESISTOR	1.0K 5% 1/6W		
R 771	QRD161J-122	CARBON RESISTOR	1.2K 5% 1/6W		
R 772	QRD161J-182	CARBON RESISTOR	1.8K 5% 1/6W		
R 773	QRD161J-272	CARBON RESISTOR	2.7K 5% 1/6W		
R 774	QRD161J-102	CARBON RESISTOR	1.0K 5% 1/6W		
R 775	QRD161J-122	CARBON RESISTOR	1.2K 5% 1/6W		
R 777	QRD161J-222	CARBON RESISTOR	2.2K 5% 1/6W		
R 778	QRD161J-182	CARBON RESISTOR	1.8K 5% 1/6W		
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R 784	QRD161J-472	CARBON RESISTOR	4.7K 5% 1/6W		
R 787	QRD161J-151	CARBON RESISTOR	150 5% 1/6W		
R 799	QRD161J-473	CARBON RESISTOR	47K 5% 1/6W		
RDB856	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W		
RDB857	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W		
RN701	QRB25J-473	R.NETWORK	4.7K 5% 1/2W		
RN702	QRB15J-473	R.NETWORK	47K 5% 1/1W		
S 701	VSH140-006	LEAF SWITCH	TAPE		
S 702	VSH140-006	LEAF SWITCH	70EQ		
S 706	VSH140-006	LEAF SWITCH	TAPE		
S 707	VSH140-006	LEAF SWITCH	70EQ		
S 708	VSH140-006	LEAF SWITCH	METAL		
S 709	VSH140-006	LEAF SWITCH	F.A.REC		
S 711	QSQH11-V01	TACT SWITCH	POWER		
S 714	QSQH11-V01	TACT SWITCH	A.PLAY		
S 715	QSQH11-V01	TACT SWITCH	A.COUNTER.RESET		
S 716	QSQH11-V01	TACT SWITCH	A.STOP		
S 717	QSQH11-V01	TACT SWITCH	A.REW		
S 718	QSQH11-V01	TACT SWITCH	A.FF		
S 721	QSQH11-V01	TACT SWITCH	B.PAUSE		
S 722	QSQH11-V01	TACT SWITCH	B.PLAY		
S 723	QSQH11-V01	TACT SWITCH	B.COUNTER.RESET		
S 724	QSQH11-V01	TACT SWITCH	B.STOP		
S 725	QSQH11-V01	TACT SWITCH	B.REW		
S 726	QSQH11-V01	TACT SWITCH	B.FF		
S 727	QSQH11-V01	TACT SWITCH	B.REC		

REF.	PARTS NO.	PARTS NAME	REMARKS	SURF IX	BLOCK NO. [2] [1] [1]
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D 728	ISS133	SI DIODE			
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S 708	VSH140-006	LEAF SWITCH	METAL		
S 709	VSH140-006	LEAF SWITCH	F.A.REC		
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S 714	QSQH11-V01	TACT SWITCH	A.PLAY		
S 715	QSQH11-V01	TACT SWITCH	A.COUNTER.RESET		
S 716	QSQH11-V01	TACT SWITCH	A.STOP		
S 717	QSQH11-V01	TACT SWITCH	A.REW		
S 718	QSQH11-V01	TACT SWITCH	A.FF		
S 721	QSQH11-V01	TACT SWITCH	B.PAUSE		
S 722	QSQH11-V01	TACT SWITCH	B.PLAY		
S 723	QSQH11-V01	TACT SWITCH	B.COUNTER.RESET		
S 724	QSQH11-V01	TACT SWITCH	B.STOP		
S 725	QSQH11-V01	TACT SWITCH	B.REW		
S 726	QSQH11-V01	TACT SWITCH	B.FF		
S 727	QSQH11-V01	TACT SWITCH	B.REC		

**8 Exploded View of Enclosure Component parts**

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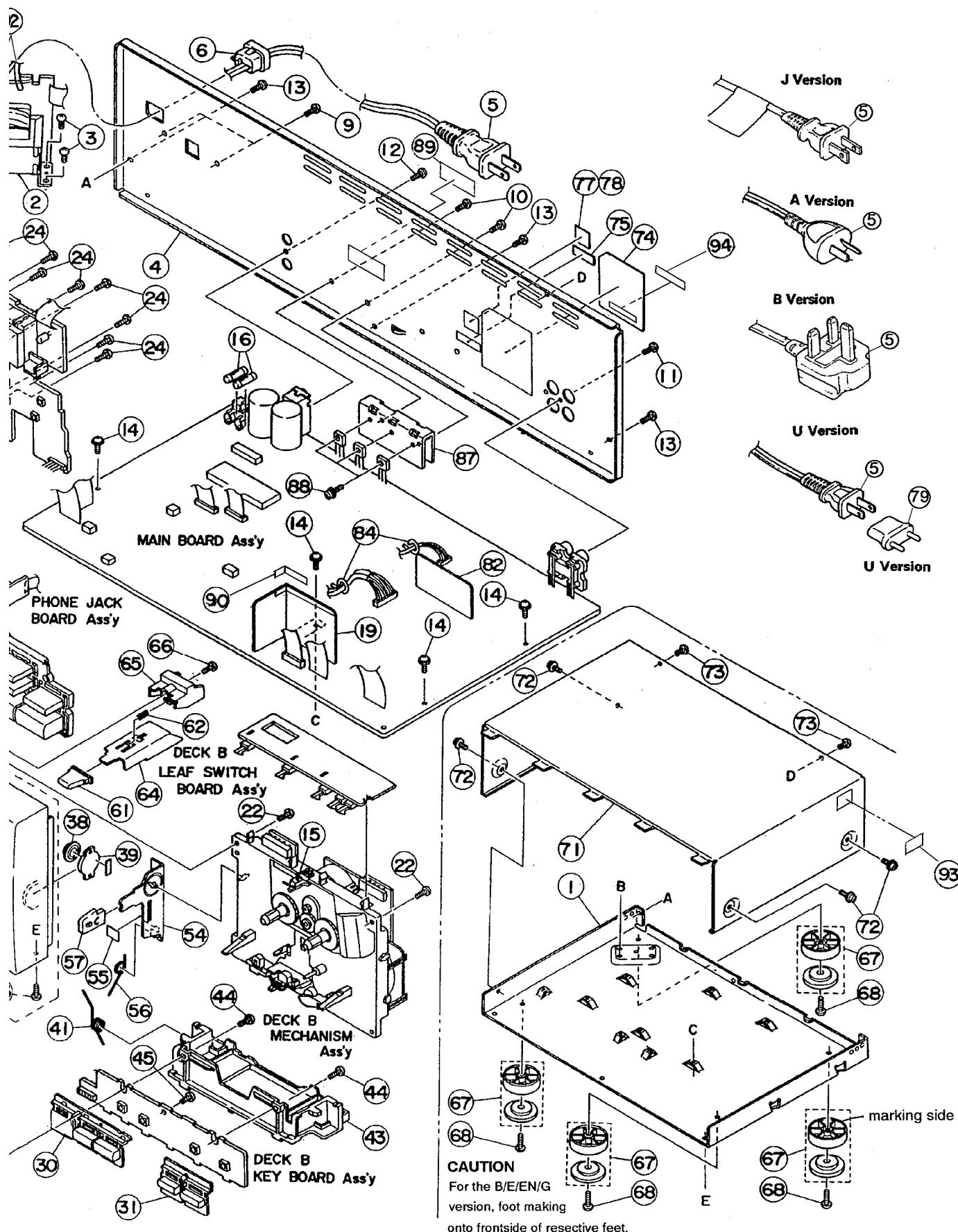


Fig 8 - 1



## ● Enclosure Component parts List

BLOCK NO. M1MM

REF.	PARTS NO.	PARTS NAME	REMARKS	QTY	SUFFIX	CLR
A	ZCTDW216K-FB ZCTDW215J-FTN	FRONT PANEL FRONT PANEL	20-21,70 20-21,70	1 1		BK TN
B	ZCTDW216K-CH-A	CASSETTE HOLDER	SAME AS TD-W215	1		
C	ZCTDW216K-CH-B	CASSETTE HOLDER	SAME AS TD-W215	1		
D	ZCTDW216K-CL	CASSETTE LID	58-59	1		BK
1	ZCTDW215K-CL VKL1333-009	CASSETTE LID CHASSIS BASE	58-59	1		TN
2	VTP5225-011F	POWER TRANS.		1	A,B,E,EN,G	
3	VTP52A5-011F	POWER TRANS.		1	C,J	
4	VTP52G5-011F	POWER TRANS.		1	U,UT	
3	SBST3006Z	SCREW	FOR POWER TRANS	4		
4	VJC2410-036	REAR PANEL		1	A,B,C,E	TN
	VJC2410-036	REAR PANEL		1	EN,G,J	TN
	VJC2410-037	REAR PANEL		1	U,UT	TN
	VJC2410-038	REAR PANEL		1	A,B,C,E	BK
5	VJC2410-038 VJC2410-039	REAR PANEL REAR PANEL		1 1	EN,G,J U,UT	BK
6	QMP2560-200	POWER CORD		1	A	BK
7	QMP5530-008	POWER CORD		1	B	
8	QMP1200-200	POWER CORD		1	C	
6	QMP3900-200	POWER CORD		1	E,EN,G	
7	QMP1340-200	POWER CORD		1	J	
8	QMP7380-200	POWER CORD		1	U,UT	
6	QHS3771-108	CORD STOPPER	FOR POWER CORD	1		
8	VKS5011-001	VOLTAGE CONTACT		1	U,UT	
9	SBSF3008M	SCREW	FOR V.SELECTOR	2	U,UT	
10	SBSF3008M	SCREW	FOR HEAT SINK	2		
11	SBSF3008M	SCREW	FOR PIN JACK	1		
12	SBSF3008M	SCREW	FOR DCS JACK	1		
13	SBST3006M	SCREW	FOR REAR+CHASSI	3		
14	GBST3006Z	SCREW	FOR MAIN P.C.BD	4		
15	VKY4628-002	PACK SPRING		2		
16	QMF51E2-R80SBS	FUSE	FOR F901/F902	2	A,E,EN	
17	QMF51E2-R80SBS	FUSE	FOR F901/F902	2	G,U,UT	
18	QMF51E2-R80SBS	FUSE	FOR F901,F902	2	B	
17	QMF51A2-R315	FUSE	FOR F903	1	U,UT	
18	VND4003-074	FUSE LABEL	FOR F903	1	U,UT	
19	VMA4596-001	SHIELD CASE		1		
20	VJG1205-018	FRONT PANEL		1	A,B,E,EN	TN
	VJG1205-018	FRONT PANEL		1	G,U,UT	TN
21	VJG1205-019UL	FRONT PANEL		1	C,J	TN
	VJG1205-020	FRONT PANEL		1	A,B,E,EN	BK
	VJG1205-020	FRONT PANEL		1	G,U,UT	BK
	VJG1205-021UL	FRONT PANEL		1	C,J	BK
22	VJD4024-001	REFLECTION PLAT		2		
22	SBSF3014Z	SCREW	FOR MECHANISM	4		
23	SBST3006M	SCREW	FOR FRONT PANEL	3		
24	SBSF2608Z	SCREW	FOR SLIDE SWITC	8		
25	VXP5178-003	PUSH BUTTON	FOR POWER	1		TN
	VXP5178-004	PUSH BUTTON		1		BK
27	VXP3559-003	MECHA BUTTON	A PLAY/STOP	1		TN
28	VXP3559-004	MECHA BUTTON		1		BK
27	VXP3560-003	MECHA BUTTON	B PLAY/STOP	1		TN
28	VXP3560-004	MECHA BUTTON		1		BK
30	VXP3562-004	MECHA BUTTON	B REC/PAUSE	1		TN

BLOCK NO. M1MM111

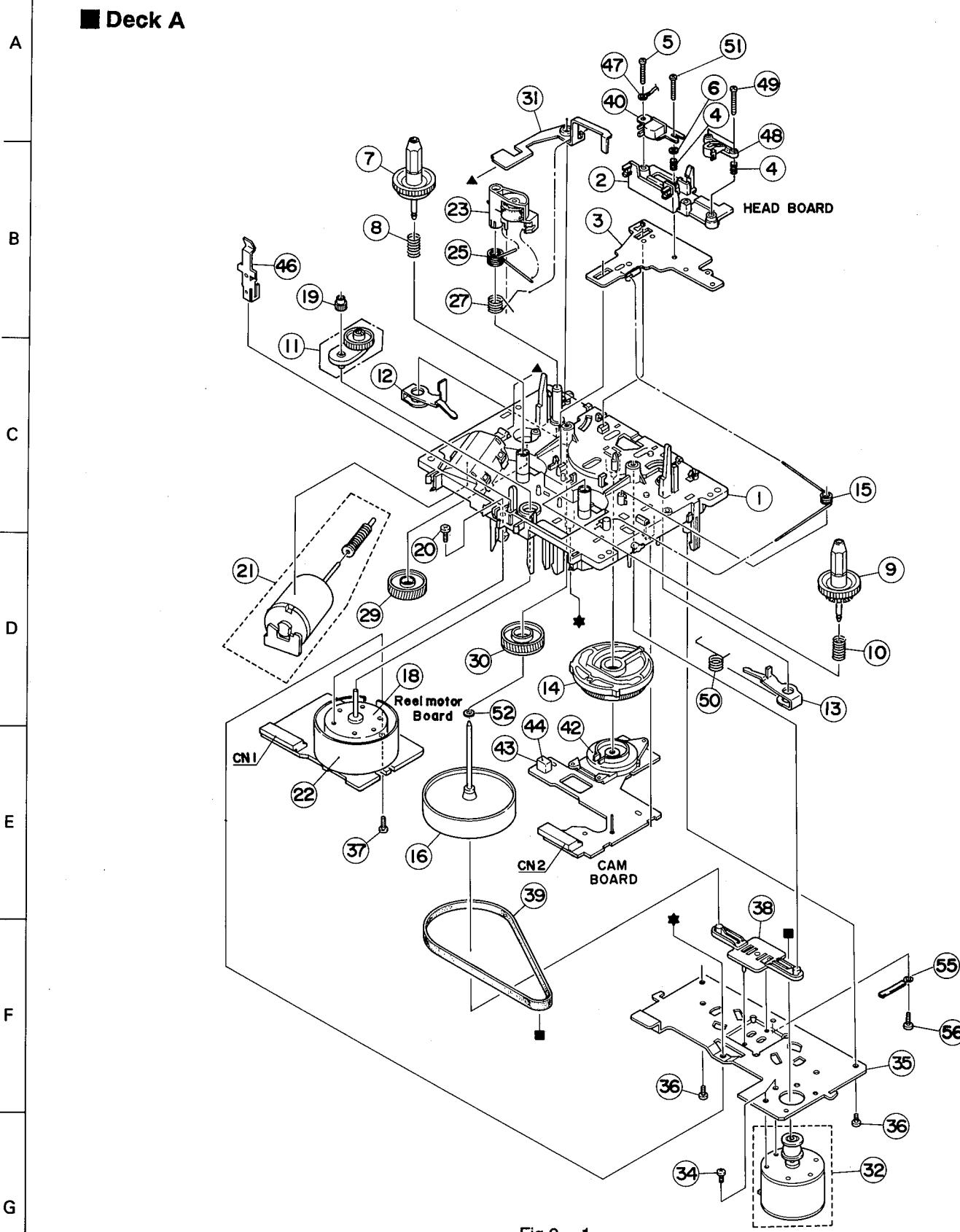
△	REF.	PARTS NO.	PARTS NAME	REMARKS	QTY	SUFFIX	CLR
	31	VXP3562-005 VXP3563-001 VXP3563-002 33 VKL7265-003 35 VKL6752-001	MECHA BUTTON MECHA BUTTON MECHA BUTTON JACK BRACKET SNAP PLATE	DUBBING FOR H.P.JACK	1 1 1 1		BK TN BK
	37 38 39 40	VXL4425-001 VXL4425-002 VYH5601-201 VYH7778-002 VKW3006-228	KNOB KNOB GEAR GEAR HOLDER TORSION SPRING	DOLBY NR A-HOLDER	1 1 2 2 1		TN BK
	41 42 43 44 45	VKW3006-229 VYH2275-001 VYH2275-101 SBSF2608Z SBSF2608Z	TORSION SPRING MECHA HOLDER MECHA HOLDER SCREW SCREW	B-HOLDER FOR Aメカ FOR Bメカ FOR MECHANISM B FOR A B PWB	1 1 1 4 2		
	46 47 48 53 54	VJT2317-003 VJT2317-004 VKY4180-001 VKM3476-001 VKM3475-002	CASSETTE HOLDER CASSETTE HOLDER CASSETTE SPRING LOCK LEVER (R) LOCK LEVER (L)	FOR A-MECHA FOR B-MECHA A-MECHA B-MECHA	1 1 4 1 1		
	55 56 57 58 59	VYSS1R2-042 VKW3006-217 VYH7424-002 VJD5429-001 VJT2318-015	SPACER TORSHION SPRING LOCK PLATE JVC MARK CASSETTE LID	L.LEVER FOR C.LID FOR A MECHA	2 2 2 1 1		TN
	60 61	VJT2318-017 VJT2318-016 VJT2318-018 VXP5179-001 VXP5179-002	CASSETTE LID CASSETTE LID CASSETTE LID PUSH BUTTON PUSH BUTTON	FOR B MECHA FOR EJECT	1 1 2 1		BK TN BK TN BK
	62 63 64 65 66	VKW3001-077 VKL7262-002 VKL7263-002 VYH7773-001 SBSF2608Z	C.SPRING REMOTE ARM REMOTE ARM BUTTON HOLDER SCREW	FOR A-MECHA FOR B-MECHA FOR B.H.+F.P.	2 1 1 2 2		
	67 68 69	VJF4039-00E E406379-008SS SBST3008Z VXL3023-001 VXL3023-002	FOOT ASS'Y FOOT ASS'Y SCREW KNOB OPERATION KNOB	FOR FOOT INPUT VOLUME	4 4 4 1 1		TN BK TN BK
	70 71 72	VJK3607-001 VJK3607-002 VJC1964-001 VJC1964-202 VKZ4614-001	FINDER FINDER TOP COVER TOP COVER SPECIAL SCREW		1 1 1 1 4		TN BK TN BK
	73 74	SBST3006M VYN2336-003PA VYN2336-002PA VYN2336-004PA VYN2336-005PA	SCREW NAME PLATE NAME PLATE NAME PLATE NAME PLATE	FOR TOP COVER	2 1 1 1 1	A B C E, EN	TN TN TN TN
		VYN2336-008PA VYN2336-006PA VYN2336-007PA VYN2337-003PA	NAME PLATE NAME PLATE NAME PLATE NAME PLATE		1 1 1 1	G J U, UT A	TN TN TN BK

BLOCK NO. M1MM |||

REF.	PARTS NO.	PARTS NAME	REMARKS	QTY	SUFFIX	CLR
	VYN2337-002PA VYN2337-004PA VYN2337-005PA VYN2337-008PA VYN2337-006PA	NAME PLATE NAME PLATE NAME PLATE NAME PLATE NAME PLATE		1 1 1 1 1	B C E, EN G J	BK BK BK BK BK
	75 VYN2337-007PA 77 VND4205-004 77 T44362-001 78 E407097-001 79 VO4062-001	NAME PLATE CAUTION LABEL CSA LABEL HYATT L.LABEL CONTI.PLUG	C.R.L.CAUTI	1 1 1 1 1	U, UT B C J U, UT	BK
	81 VMA4587-001 82 VMA4142-001 84 VMZ0015-005 85 VYH3671-003 87 VMH4011-201	SHIELD PLATE SHIELD PLATE(B) POST PIN FL HOLDER HEAT SINK	FOR INPUT VOL FOR HEAD WIRE SW	1 2 1 1		
▲	88 DPSP3008Z 89 QSS2325-112 90 VND4999-001 VMZ0043-001S VYSA1R4-050	SCREW SLIDE SWITCH FCC LABEL (3) FUSE CLAMP SPACER	FOR Q901,903,90 S902 FOR F903	3 1 1 2 1	U, UT C, J U, UT	
	91 VYSA1R4-056 92 QHX5080-001 94 VND4992-001	SPACER WIRE CLAMP ORIGN LABEL		1 2 1	UT	

## 9 Exploded View of Mechanism Component parts

1 2 3 4 5



BLOCK NO. M2MM ||||

A	REF.	PARTS NO.	PARTS NAME	REMARKS	QTY	SUFFIX	CLR
	1	VKS1121-80A	CHASSIS B ASS'Y		1		
	2	VKS2221-002	HEAD MOUNT BASE		1		
	3	VKL7021-00A	HEAD BASE ASS'Y		1		
	4	VKW3001-080	SPRING	R/P HEAD	1		
		VKW3001-080	SPRING	DUMMY HWAD	1		
	5	SPSX2011N	SCREW	R/P HEAD	1		
	6	WNS2000N	WASHER	R/P HEAD ADJ.SI	1		
	7	VKS5321-00D	T-UP REEL ASS'Y		1		
	8	VKW4928-003	B.T. SPRING	T-UP REEL	1		
	9	VKS3480-004	REEL DISK	SUPPLY	1		
	10	VKW4928-003	B.T. SPRING	SUPPLY	1		
	11	VKS5325-00F	FR ARM ASS'Y	REEL MOTOR	1		
	12	VKL6939-002	PINCH LEVER (R)		1		
	13	VKL6940-003	PINCH LEVER (L)		1		
	14	VKS2209-006	CONTROL CAM		1		
	15	VKW4930-004	RETURN SPRING	FOR HEAD BASE	1		
	16	VKF3184-00B	FLYWHEEL(R)ASSY		1		
	18	MMN-6F4RA38	D.C.MOTOR	FOR REEL	1		
	19	VKS5328-002	GEAR	REEL MOTOR	1		
	20	SDSP2605Z	SCREW	REEL MOTOR	1		
	21	MXN13FB12F-SA2	DC MOTOR ASS'Y	FOR ACT.	1		
	22	FE-ZMS514	SHIELD CORE	FOR REEL MOTOR	1		
	23	VKP4219-00C	PINCH R.(R)ASSY		1		
	25	VKW4981-002	P.R.SPRING(R)	FOR PINCH(R)	1		
	27	VKW4932-005	P.R. ARM SPRING	FOR P.ARM(R)	1		
	29	VKS5330-004	ACT. GEAR (5)		1		
	30	VKS5331-003	ACT GEAR(6)	FLYWHEEL	1		
	31	VKL6954-007	EJECT SAFETY(R)		1		
	32	MMI6H2LWK-SA5	MOTOR ASS'Y	FOR CAPSTAN	1		
	34	SPSP2603Z	SCREW	C.MOTOR	2		
	35	VKM3416-004	FM BRACKET		1		
	36	SDSF2605Z	SCREW	FOR FM BKT	2		
	37	SDSF2608Z	SCREW	REEL MOTOR PCB	1		
	38	VKS5327-004	THRUST PLATE		1		
	39	VKB3001-051	BELT	MAIN	1		
	40	VGH0421-021	R/P HEAD		1		
	42	VKS3587-00A	CAM SWITCH UNIT		1		
	43	VKS3487-002	IC HOLDER		1		
	44	DN6851A	HALL IC		1		
	46	VKY4628-002	SPRING	FOR CASSETTE	1		
	47	VWE290-07A1WS	UL V. WIRE	R/P HEAD EARTH	1		
	48	VKS4710-001	DUMMY HEAD		1		
	49	SPSX2012Z	SCREW	DUMMY HEAD	2		
	50	VKW4954-001	P.L SPRING	PINCH LEVER L	1		
	51	VKZ4692-001	S.SCREW	R/P HEAD ADJ.SI	1		
	52	WFL256525	WASHER	FLYWHEEL ASS'Y	1		
	55	VKZ4001-009	WIRE HOLDER		1		
	56	SDST2604Z	SCREW	WIRE HOLDER	1		
C	2	QCF11HP-223	C.CAPACITOR	FOR REEL	1		
CN	1	VMCO249-R08N	CONNECTOR	FOR MOTOR	1		
	CN 2	VMCO249-R07N	SOCKET	FOR CAM/HALL IC	1		

1 2 3 4 5

■ Deck B

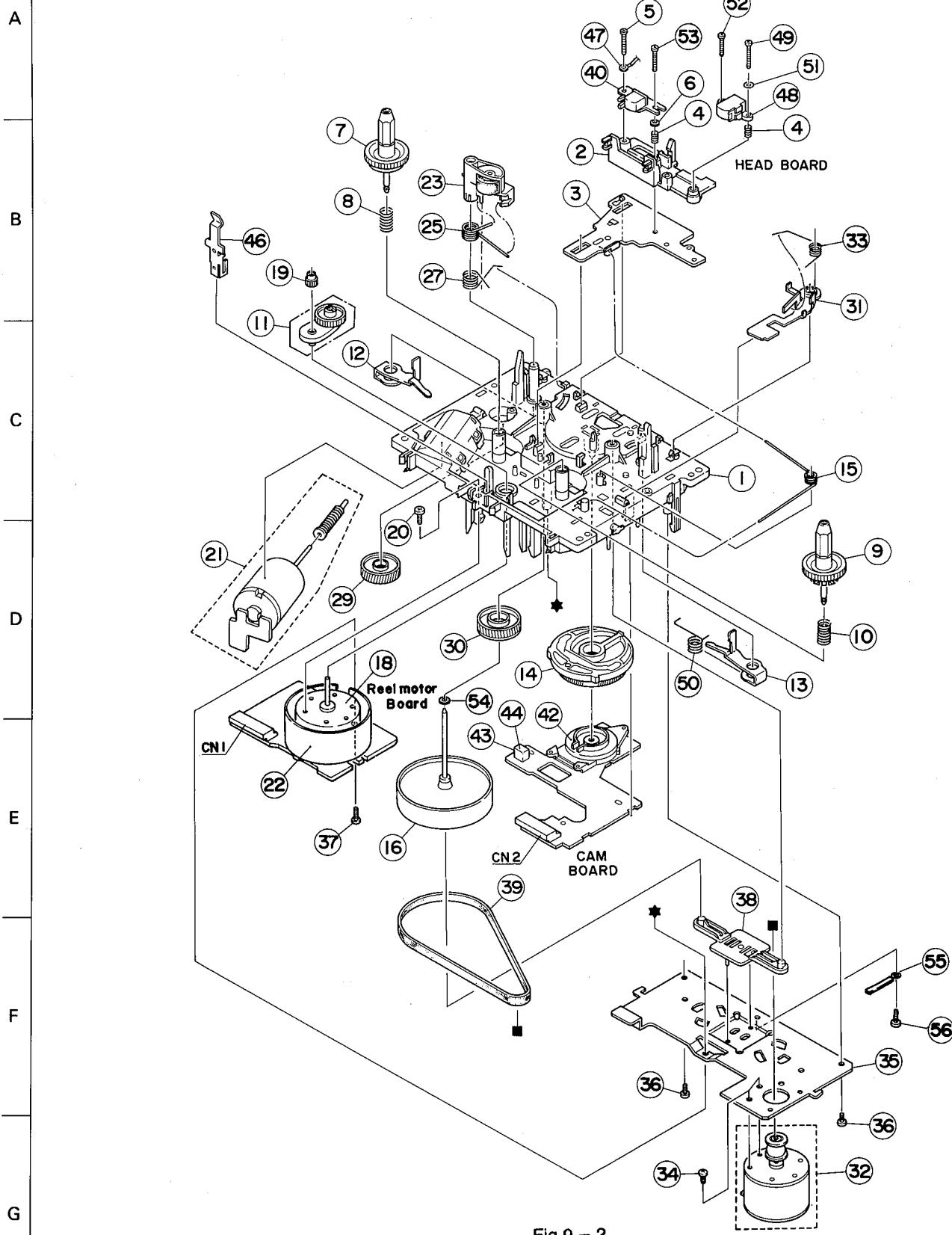


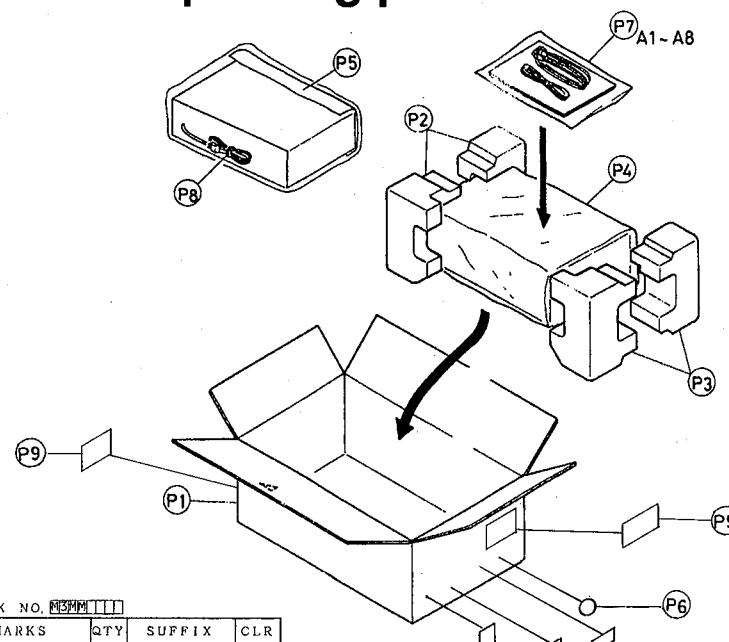
Fig 9 - 2

## ● DECK:B Mechanism Component Parts List

BLOCK NO. M4MM

A	REF.	PARTS NO.	PARTS NAME	REMARKS	QTY	SUFFIX	CLR
	1	VKS1121-80A	CHASSIS B ASS'Y		1		
	2	VKS2221-002	HEAD MOUNT BASE		1		
	3	VKL7021-00A	HEAD BASE ASS'Y		1		
	4	VKW3001-080	SPRING	R/P HEAD	1		
		VKW3001-080	SPRING	E.HEAD	1		
	5	SPSX2011N	SCREW	R/P HEAD	1		
	6	WNS2000N	WASHER	R/P HEAD	1		
	7	VKS5321-00D	T-UP REEL ASS'Y		1		
	8	VKW4928-003	B.T. SPRING	T-UP REEL	1		
	9	VKS3480-004	REEL DISK	SUPPLY	1		
	10	VKW4928-003	B.T. SPRING	SUPPLY REEL	1		
	11	VKS5325-00F	FR ARM ASS'Y	REEL MOTOR	1		
	12	VKL6939-002	PINCH LEVER (R)		1		
	13	VKL6940-003	PINCH LEVER (L)		1		
	14	VKS2209-006	CONTROL CAM		1		
	15	VKW4930-004	RETURN SPRING	HEAD BASE	1		
	16	VKF3184-00B	FLYWHEEL(R)ASSY		1		
	18	MMN-6F4RA38	D.C.MOTOR	FOR REEL	1		
	19	VKS5328-002	GEAR	REEL MOTOR	1		
	20	SDSP2605Z	SCREW	REEL MOTOR	1		
	21	MXN13FB12F-SA2	DC MOTOR ASS'Y	FOR ACTUATOR	1		
	22	FE-ZMSS14	SHIELD CORE	REEL MOTOR	1		
	23	VKP4219-00C	PINCH R.(R)ASSY		1		
	25	VKW4981-002	P.R.SPRING(R)	FOR PINCH (R)	1		
	27	VKW4932-005	P.R. ARM SPRING	FOR P. ARM (R)	1		
	29	VKS5330-004	ACT. GEAR (5)		1		
	30	VKS5331-003	ACT GEAR(6)	FOR FLYWHEEL	1		
	31	VKL7060-002	EJECT SAFETY(L)		1		
	32	MMI6H2LWK-SA5	MOTOR ASS'Y	CAPSAN	1		
	33	VKW4955-001	T. SPRING	EJECT SAFETY	1		
	34	SPSP2603Z	SCREW	C.MOTOR	2		
	35	VKM3416-004	FM BRACKET		1		
	36	SDSF2605Z	SCREW	FM BRACKET	2		
	37	SDSF2608Z	SCREW	REEL MOTOR PCB	1		
	38	VKS5327-004	THRUST PLATE		1		
	39	VKB3001-051	BELT	MAIN	1		
	40	VGH0421-021	R/P HEAD		1		
	42	VKS3587-00A	CAM SWITCH UNIT		1		
	43	VKS3487-002	IC HOLDER		1		
	44	DN6851A	HALL IC		1		
	46	VKY4628-002	SPRING	FOR CASSETTE	1		
	47	VWE290-07A1WS	UL V. WIRE	R/P HEAD EARTH	1		
	48	LE15A-C1	E.HEAD		1		
	49	SPSX2012Z	SCREW	E.HEAD	1		
	50	VKW4954-001	P.L SPRING	PINCH LEVER L	1		
	51	WNS2000N	WASHER	E.HEAD	1		
	52	SPSX2011N	SCREW	E.HEAD	1		
	53	VKZ4692-001	S.SCREW	R/P HEAD ADJ SI	1		
	54	WFL256525	WASHER	FLYWHEEL	1		
	55	VKZ4001-009	WIRE HOLDER		1		
C	56	SDST2604Z	SCREW	WIRE HOLDER	1		
CN 1	2	QCF11HP-223	C.CAPACITOR	FOR REEL MOTOR	1		
CN 2		VMC0249-R08N	CONNECTOR	FOR MOTOR	1		
		VMC0249-R07N	SOCKET	FOR CAM/HALL IC	1		

## 10 Packing Illustration and packing parts list



### ● Packing parts list

REF.	PARTS NO.	PARTS NAME	REMARKS	QTY	BLOCK NO. M39M1111	
					SUFFIX	CLR
P 1	VPC2336-M002	CARTON		1		TN
P 2	VPC2337-M002	CARTON		1		BK
P 3	VPH2456-201	CUSHION (L)		1		
P 4	VPH2457-201	CUSHION (R)		1		
P 5	E300196-031B	ENVELOPE	FOR SET	1		
P 6	VPK3001-012	SHEET	FOR SET	1		
P 7	QZLA001-011	MARK	GRFEN POINT	1	E, EN, G	
P 8	VPE3005-007	POLY BAG	FOR INSTRUCTION	1		
P 9	Q04141H	WIRE CLAMP	FOR POWER CORD	1		
	TDW215TNA-LAB	SERIAL TICKET		1	A	
	TDW215TNB-LAB	SERIAL TICKET		1	B	
	TDW215TNC-LAB	SERIAL TICKET		2	C	
	TDW215TNE-LAB	SERIAL TICKET		1	E	
	TDW215TNEN-LAB	SERIAL TICKET		1	EN	
	TDW215TNG-LAB	SERIAL TICKET		1	G	
	TDW215TNJ-LAB	SERIAL TICKET		2	J	
	TDW215TNU-LAB	SERIAL TICKET		1	U	
	TDW215TNUT-LAB	SERIAL TICKET		1	UT	
	TDW216BKA-LAB	SERIAL TICKET		1	A	
	TDW216BKB-LAB	SERIAL TICKET		1	B	
	TDW216BKC-LAB	SERIAL TICKET		2	C	
	TDW216BKE-LAB	SERIAL TICKET		1	E	
	TDW216BKEN-LAB	SERIAL TICKET		1	EN	
	TDW216BKG-LAB	SERIAL TICKET		1	G	
	TDW216BKJ-LAB	SERIAL TICKET		2	J	
	TDW216BKU-LAB	SERIAL TICKET		1	U	
	TDW216BKUT-LAB	SERIAL TICKET		1	UT	
P 10	VYN2336-010	NAME PLATE		1	UT	TN
P 11	VYN2337-M010	NAME PLATE		1	UT	BK
	VND4992-001	ORIGIN LABEL		1	UT	
P 12	VND3069-060	EAN CORD LABEL		1	A, B, E, EN	TN
	VND3069-060	EAN CORD LABEL		1	G, U, UT	TN
	VND3069-061	EAN CORD LABEL		1	A, B, E, EN	BK
	VND3069-061	EAN CORD LABEL		1	G, U, UT	BK
	VND3065-065	UPC CORD LABEL		1	C, J	TN
	VND3065-066	UPC CORD LABEL		1	C, J	BK

### ● Accessories

REF.	PARTS NO.	PARTS NAME	REMARKS	QTY	BLOCK NO. M39M1111	
					SUFFIX	CLR
A 1	VMP0039-00D	RCA CORD		1		
A 2	VNN2336-671M	INST BOOK		1	A, B, J	
	VNN2336-661M	INST BOOK		1	C, E, EN	
	VNN2336-661M	INST BOOK		1	G, U, UT	
	VNN2336-121M	INSTRUCTIONS		1	UT	
A 3	VNN2336-271M	INSTRUCTIONS		1	EN	
	BT20060	WARRANTY CARD		1	B	
	BT-56001-1	WARRANTY CARD		1	A	
	BT-20025L	WARRANTY CARD		1	C	
	BT-20047F	WARRANTY CARD		1	J	
A 4	BT-20134	WARRANTY CARD	FOR JED	1	G	
A 5	BT-20066A	WARRANTY CARD		1	B	
A 6	BT-20071B	SVC CENTRE LIST		1	C	
A 7	BT-200137	SERVICE NETWORK		1	J	
A 8	BT-200446	SAFETY INSTRUCT		1	J	
A 9	E434B6-340A	SAFETY I.SHEET		1		
A 10	EWP805-001E	SIGNAL CORD		1		
P 12	VND3065-065	UPC CORD LABEL	FOR REMOTE	1	C, J	TN
	VND3065-066	UPC CODE LABEL		1	C, J	BK

**JVC**

VICTOR COMPANY OF JAPAN, LIMITED.  
PERSONAL AUDIO PRODUCTS DIVISION

10-1, 1-chome, Ohwatari-cho, Maebashi-city 371, Japan