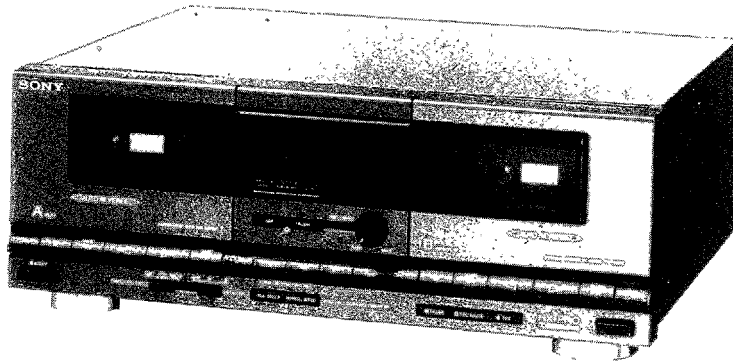


# TC-D705

## SERVICE MANUAL

*AEP Model*  
*UK Model*  
*E Model*  
*Australian Model*



| Model Name Using Similar Mechanism |        | TC-D505     |
|------------------------------------|--------|-------------|
| Tape Transport Mechanism Type      | DECK A | TCM-190RA13 |
|                                    | DECK B | TCM-190RB13 |

### SPECIFICATIONS

Recording system  
Frequency response

4-track 2-channel stereo  
DOLBY NR OFF  
With Type IV cassette (Sony METAL-ES)  
30 Hz to 15 kHz ( $\pm 3$  dB)  
With Type II cassette (Sony UX-S)  
40 Hz to 14 kHz ( $\pm 3$  dB)  
With Type I cassette (Sony HF-S)  
40 Hz to 14 kHz ( $\pm 3$  dB)  
 $\pm 0.2\%$  (DIN)  
Approx. 3.4 kg (7 lbs 8 oz)  
Approx. 355  $\times$  132.5  $\times$  310 mm  
(w/h/d, including projections)  
(14  $\times$  5  $\frac{1}{4}$   $\times$  12  $\frac{1}{4}$  inches)

Wow and flutter  
Weight  
Dimensions

Design and specifications subject to change without notice.

#### Note

This appliance conforms with EEC Directive 87/308/EEC regarding interference suppression.

\* 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.

STEREO CASSETTE DECK  
**SONY**<sup>®</sup>

## SAFETY CHECK-OUT (US Model)

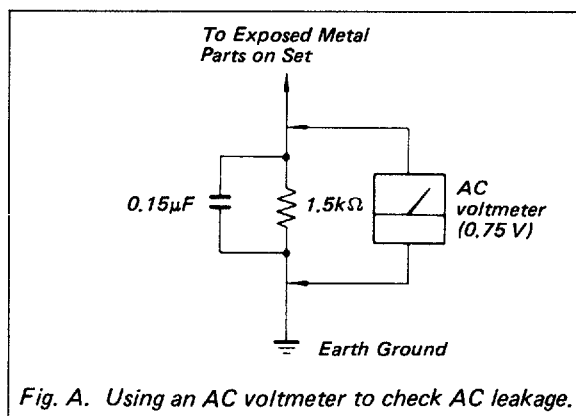
After correcting the original service problem, perform the following safety check before releasing the set to the customer:

Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.

### LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microampers). Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2 V AC range are suitable. (See Fig. A)



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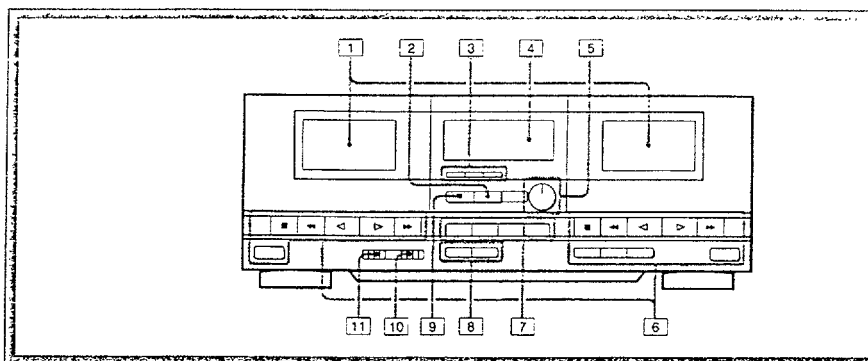
### SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK  $\Delta$  OR DOTTED LINE WITH MARK  $\Delta$  ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

## SECTION 1 GENERAL

This section is extracted  
from instruction manual.

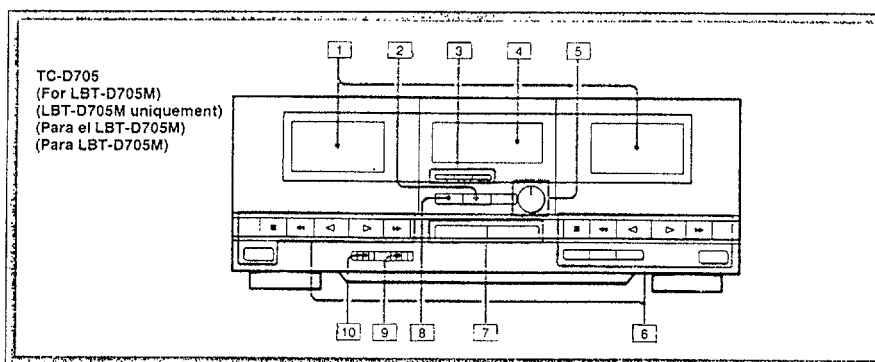
### AEP/Germany/Italian/E3 model



#### Cassette deck

- 1 Cassette holders
- 2 FADER button ②
- 3 COUNTER setting buttons ②
- 4 Display window
- 5 REC (recording) LEVEL control and indicator ②
- 6 Tape operation buttons  
 ◀◀ Leftward fast winding/AMS\*, ▶▶ Rightward fast winding/AMS\*, ▶ Forward play, ◀ Reverse play, ■ Stop, ▲ Eject, || Pause (deck B only), ○ Record muting (deck B only), ● Record (deck B only)
- 7 AUTO CD SYNCHRO REC buttons and indicators  
 C.(Cross) FADE  
 FADE  
 EDIT  
 TIME  
 (only for the system used with CDP-M42) ②
- 8 SYNCHRO DUBBING buttons ②
- 9 ARL (Automatic Recording Level) button and indicator ②
- 10 DOLBY NR (noise reduction) switch ②
- 11 DIRECTION MODE selector ②

### UK/E2/Australian model



#### Cassette deck

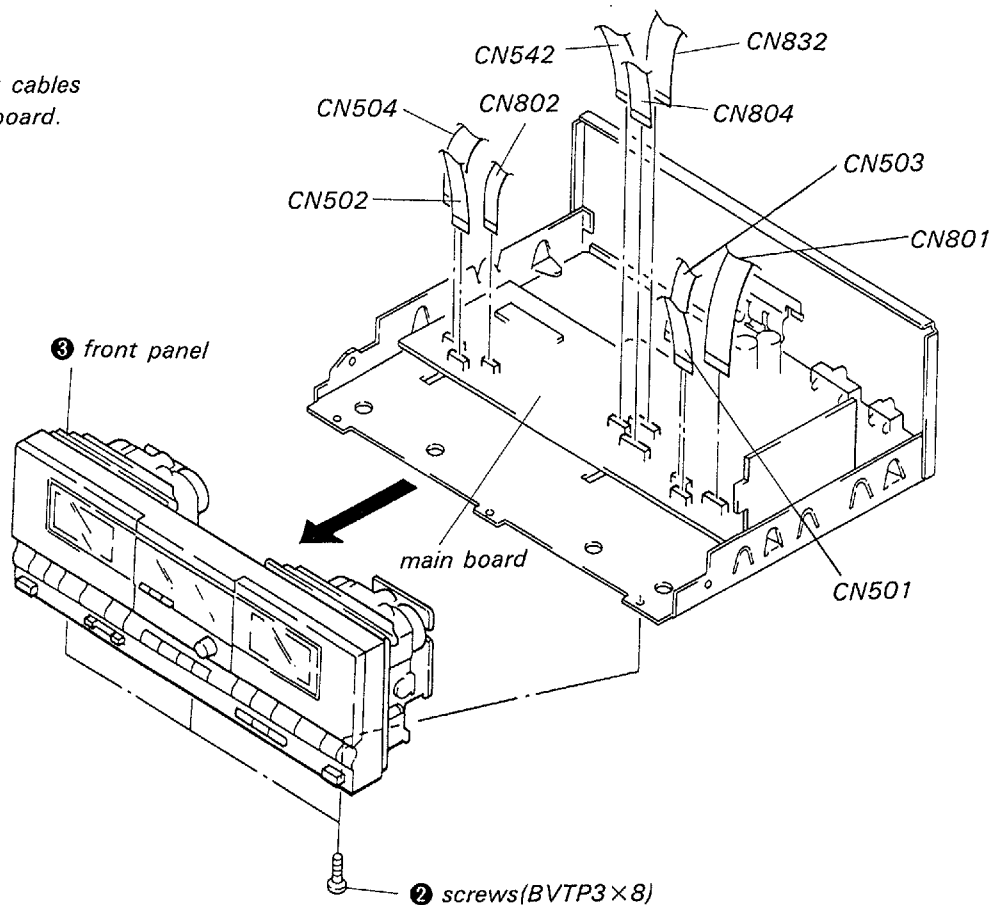
- 1 Cassette holders
- 2 FADER button ②
- 3 COUNTER setting buttons ②
- 4 Display window
- 5 REC (recording) LEVEL control and indicator ②
- 6 Tape operation buttons  
 ◀◀ Leftward fast winding/AMS\*, ▶▶ Rightward fast winding/AMS\*, ▶ Forward play, ◀ Reverse play, ■ Stop, ▲ Eject, || Pause (deck B only), ○ Record muting (deck B only), ● Record (deck B only)
- 7 SYNCHRO DUBBING buttons ②
- 8 ARL (Auto Recording Level) button and indicator ②
- 9 DOLBY NR (noise reduction) switch ②
- 10 DIRECTION MODE selector ②

## SECTION 2 DISASSEMBLY

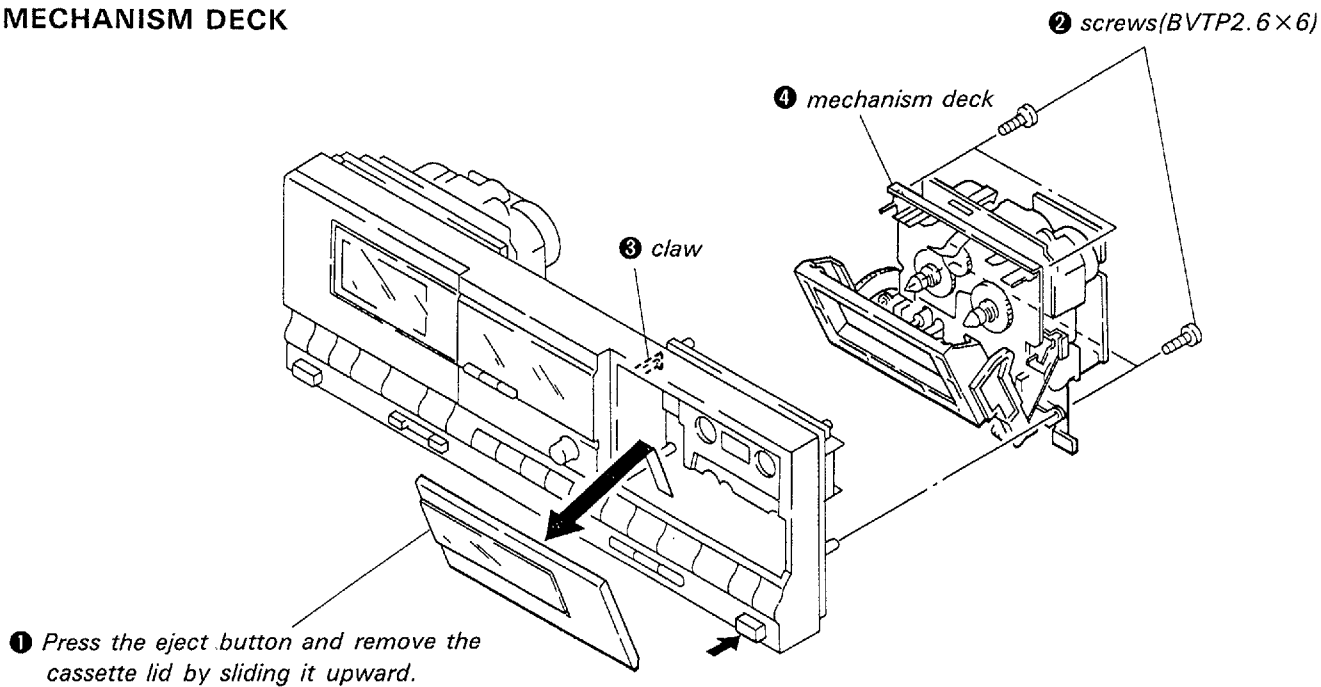
Note: Follow the disassembly procedure in the numerical order given.

### FRONT PANEL

- ❶ Remove the flat cables from the main board.



### MECHANISM DECK



## SECTION 3 MECHANICAL ADJUSTMENTS

### PRECAUTION

- Clean the following parts with a denatured-alcohol-moistened swab:
 

|                      |              |
|----------------------|--------------|
| record/playback head | pinch roller |
| erase head           | rubber belts |
| capstan              | idler        |
- Demagnetize the record/playback head with a head demagnetizer.
- Do not use a magnetized screwdriver for the adjustments
- After the adjustments, apply suitable locking compound to the parts adjusted.
- The adjustments should be performed in the rated power supply voltage unless otherwise noted.

### Torque Measurement

| Torque              | Torque meter | Meter reading                               |
|---------------------|--------------|---------------------------------------------|
| FWD                 | CQ-102C      | 35 to 60g · cm<br>(0.49 to 0.83 oz · inch)  |
| FWD<br>Back tension | CQ-102C      | 2 to 6g · cm<br>(0.03 to 0.08 oz · inch)    |
| REV                 | CQ-102RC     | 35 to 60g · cm<br>(0.49 to 0.83 oz · inch)  |
| REV<br>Back tension | CQ-102RC     | 2 to 6g · cm<br>(0.03 to 0.08 oz · inch)    |
| FF, REW             | CQ-201B      | 70 to 110g · cm<br>(0.98 to 1.52 oz · inch) |

## SECTION 4 ELECTRICAL ADJUSTMENTS

**Note:** The adjustment should be performed in the order given in the service manual. As a rule, adjustment about playback should be performed before adjustment about recording. The adjustments should be performed for both L-CH and R-CH.

### ● Test Mode

The Test mode is activated by shorting Test Point Service mode (IC851 34 pin changes over to "L") with the POWER switch in OFF position, then turning on the POWER switch.

In this mode, the following functions operate:

- Source monitor

Line mute is cancelled during recording.

- High speed playback

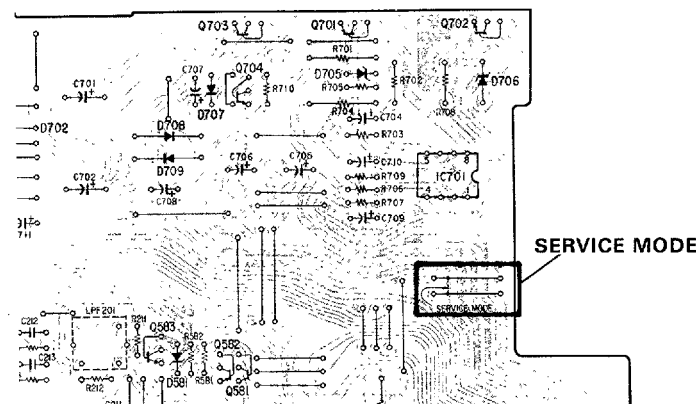
High speed playback is executed when the HIGH SPEED (BUBBING) button is pressed during playback. Normal speed playback is restored when the button is pressed again.

- Record memory

The tape counter is reset to "0" at the record start point.

After adjustment, open the Service mode to cancel the Test mode.

### [MAIN BOARD] (CONDUCTOR SIDE)



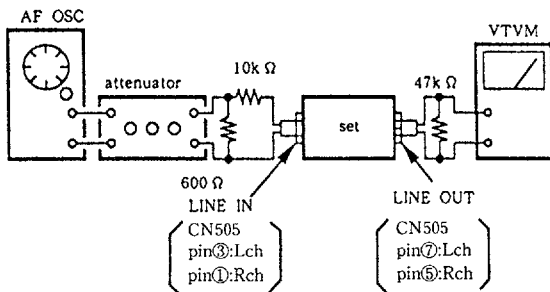
- Switches and controls should be set as follows unless otherwise specified.

NR switch : OFF  
DIR MODE switch : ↺

- Standard Record:**

Deliver the standard input signal level to the input jack and set the REC LEVEL control to obtain the standard output signal level.

— Record Mode —



**Standard Input Level**

|                  |               |
|------------------|---------------|
| input terminal   | LINE IN       |
| source impedance | 10kΩ          |
| input level      | 0.25V (−10dB) |

**Standard Output Level**

|                 |              |
|-----------------|--------------|
| output terminal | LINE OUT     |
| load impedance  | 47kΩ         |
| output level    | 0.44V (−5dB) |

**Test tape**

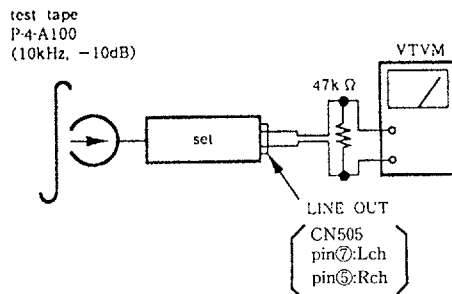
| Type     | Signal       | Used for              |
|----------|--------------|-----------------------|
| P-4-A100 | 10kHz, −10dB | Azimuth Adjustment    |
| P-4-L300 | 315Hz, 0dB   | PB Level Adjustment   |
| WS-48B   | 3kHz, 0dB    | Tape Speed Adjustment |

## Record/Playback Head Azimuth Adjustment

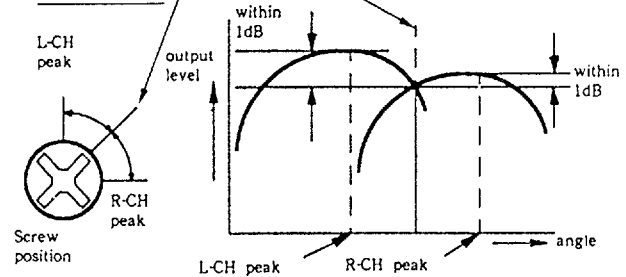
**DECK A** **DECK B**

**Procedure :**

- Mode: FWD playback

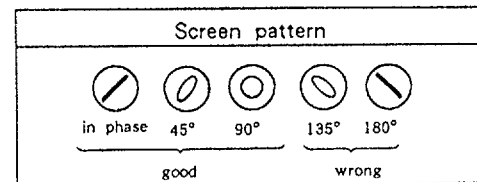
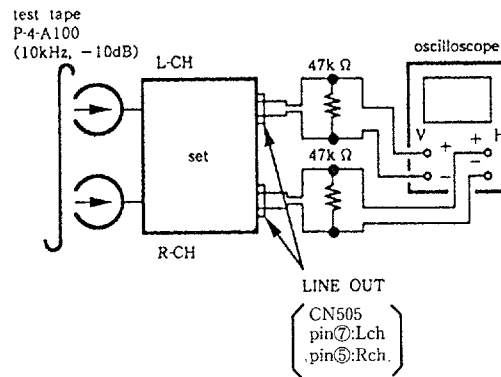


- Turn the adjustment screw for the maximum output levels. If these levels do not match, turn the adjustment screw until both of output levels match together within 1dB.



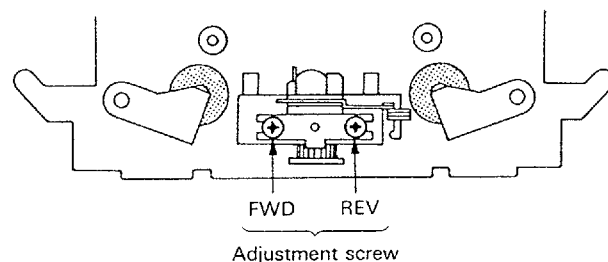
- Phase Check

Mode: playback



- Set in the REV mode and repeat the step 1-3.
- After the adjustment, lock the screws with locking compound.

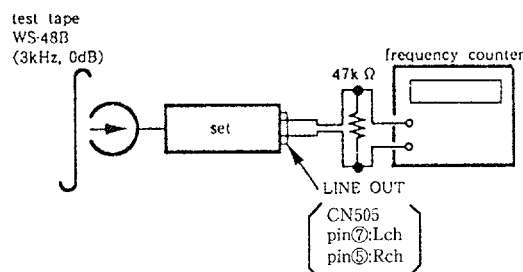
**Adjustment Location :** Record/playback head



## Tape Speed Adjustment **DECK A** **DECK B**

### Procedure :

Mode: playback



Perform high speed adjustment before normal speed adjustment.

(High speed adjustment)

1. Continue pressing the SYNCHRO DUBBING HIGH SPEED switch.
2. Check that frequency counter reading is within the standard value  $6,000 \pm 30\text{Hz}$ .
3. If out of the standard, adjust each RV72 so that the frequency counter reading satisfies  $6,000 \pm 30\text{Hz}$  on both A and B decks.

4. Change over to REV playback status, and repeat the above steps 1 to 3.

(Normal speed adjustment)

1. Continue pressing the SYNCHRO DUBBING NORM SPEED switch.
2. Check that the frequency counter reading is within the standard value  $3,000 \pm 30\text{Hz}$ .
3. If out of the standard, adjust each RV71 so that the frequency counter reading satisfies  $3,000 \pm 30\text{Hz}$  on both A and B decks.
4. Change over to REV playback status, and repeat the above steps 1 to 3.

Frequency difference between the beginning and the end of the tape should be within 3%.

Frequency difference between deck A and deck B the beginning of the tape should be within 1.5%.

### Adjustment Location :

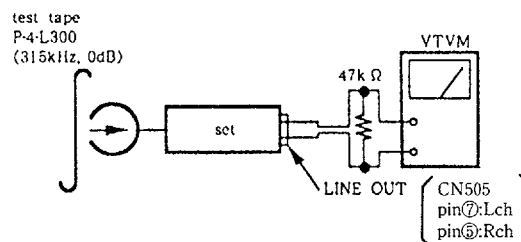
MD(A), MD(D) board

## Playback Level Adjustment

### **DECK A** **DECK B**

### Procedure :

Mode: playback



Adjust RV11 (L-CH), RV21 (R-CH) so that the reading on VTVM meets the adjustment limits below.

### Adjustment Limits :

LINE OUT level:  $-5 \pm 0.5\text{dB}$  ( $0.42 - 0.46\text{V}$ )

Level difference between channels: less than 0.5dB

Check that the LINE OUT level does not change in playback mode while changing the mode from playback to stop several times.

**Adjustment Location :** MD(A), MD(D) board

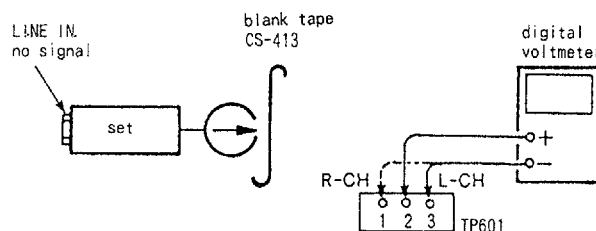
## Record Bias Adjustment **DECK B**

### Setting :

REC LEVEL control: Standard Record (See page 6.)

### Procedure :

Mode: record



1. Connect the digital voltmeter to test point TP601.
2. Set RV301(L-CH) and RV401(R-CH) to mechanical center.
3. Set to FWD record mode.
4. Adjust T301(L-CH) and T401(R-CH) so that the digital voltmeter reading becomes minimum.

**Adjustment Location :** HX PRO board

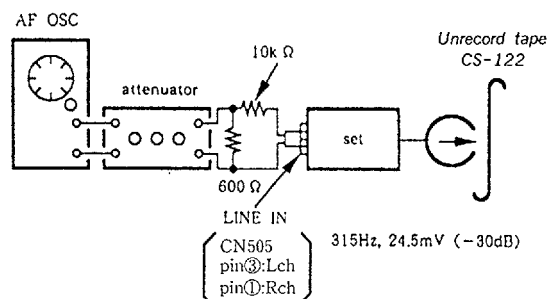
## Record Level Adjustment **DECK B**

### Setting :

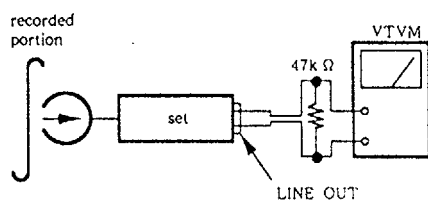
REC LEVEL control: Standard Record (See page 6.)

### Procedure :

1. Mode: record



2. Mode: playback



3. Playback the signal recorded in step 1.

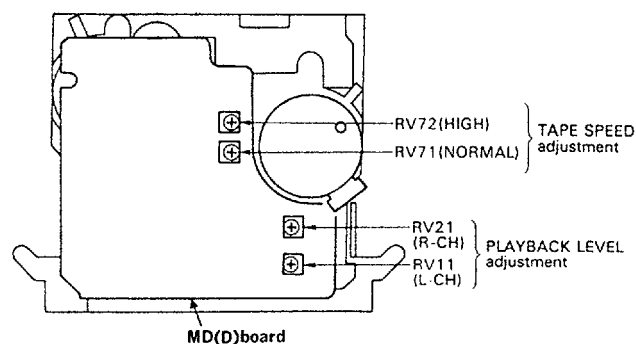
Confirm that the signal level is within the adjustment limits below. If necessary, adjust RV101 (L-CH), RV201 (R-CH) and repeat the step1-2.

**Adjustment Limits :**  $-25\text{dB} \pm 0.5\text{dB}$  (42–46mV)

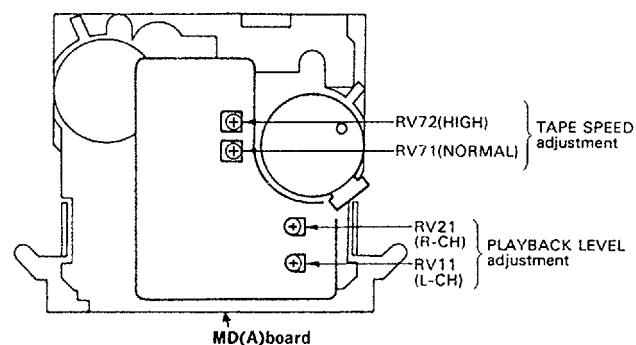
**Adjustment Location :** MAIN board (component side)

## — Adjustment Parts Location Diagrams —

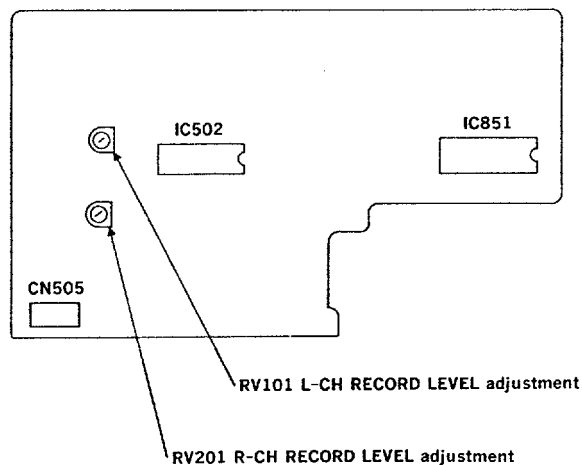
### B DECK



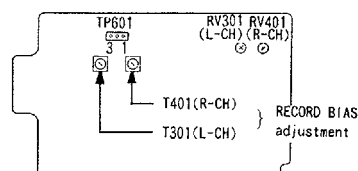
### A DECK



### MAIN BOARD (COMPONENT SIDE)



### HX PRO BOARD (COMPONENT SIDE)

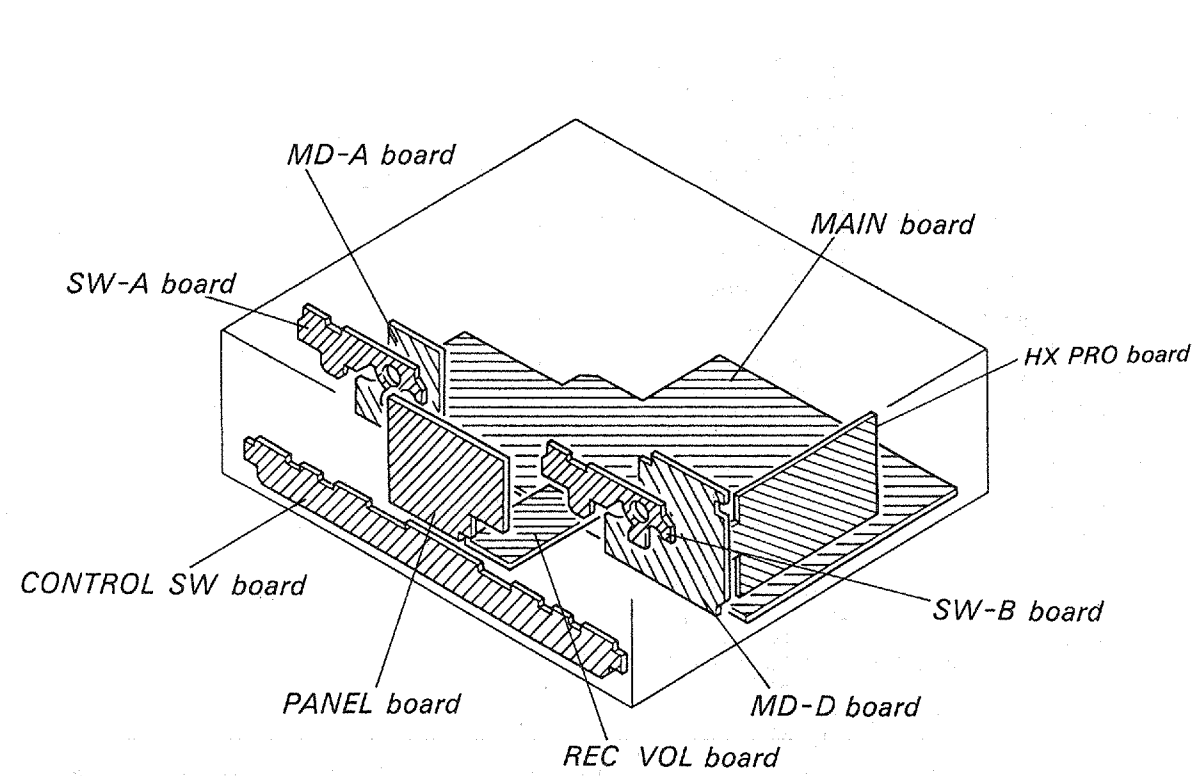


### 5-1. PRINTED WIRING BOARDS —Main Section—

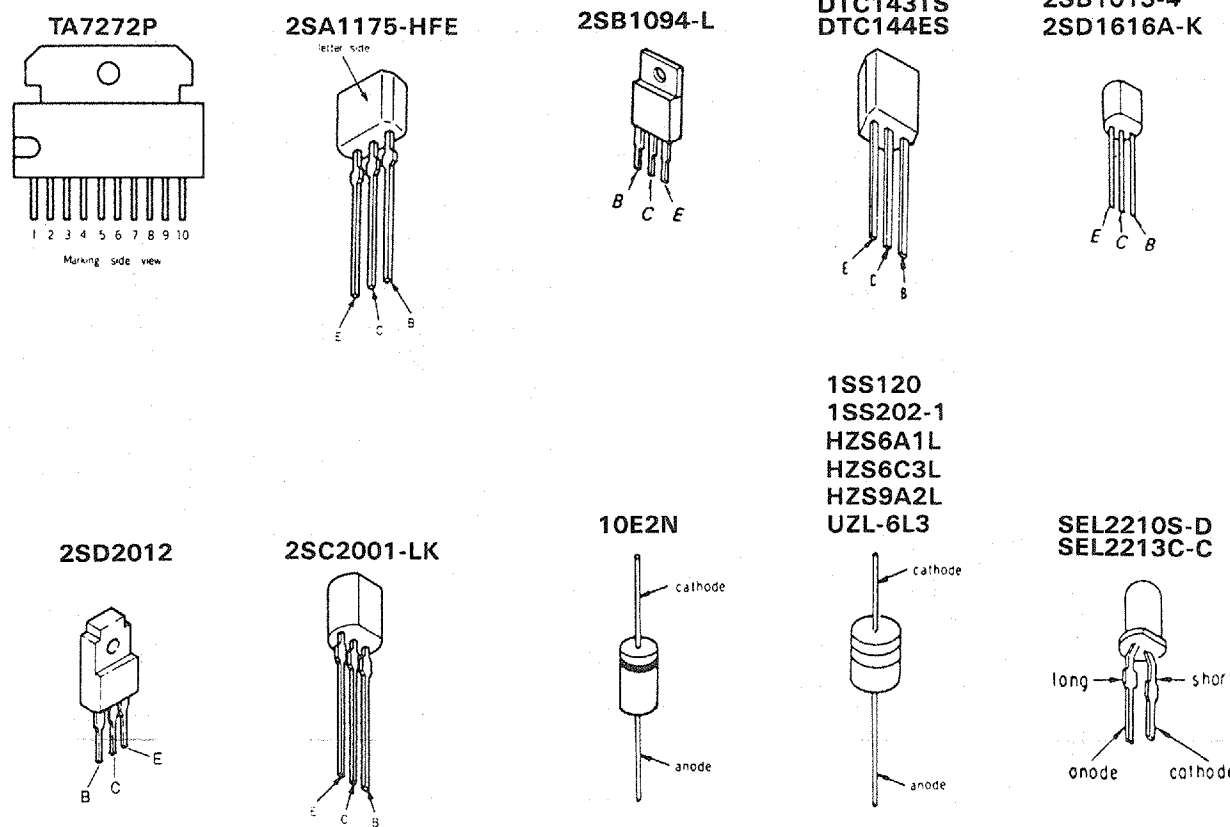
TO DISPLAY BOARD CN831 TO CONTROL SW BOARD CN803



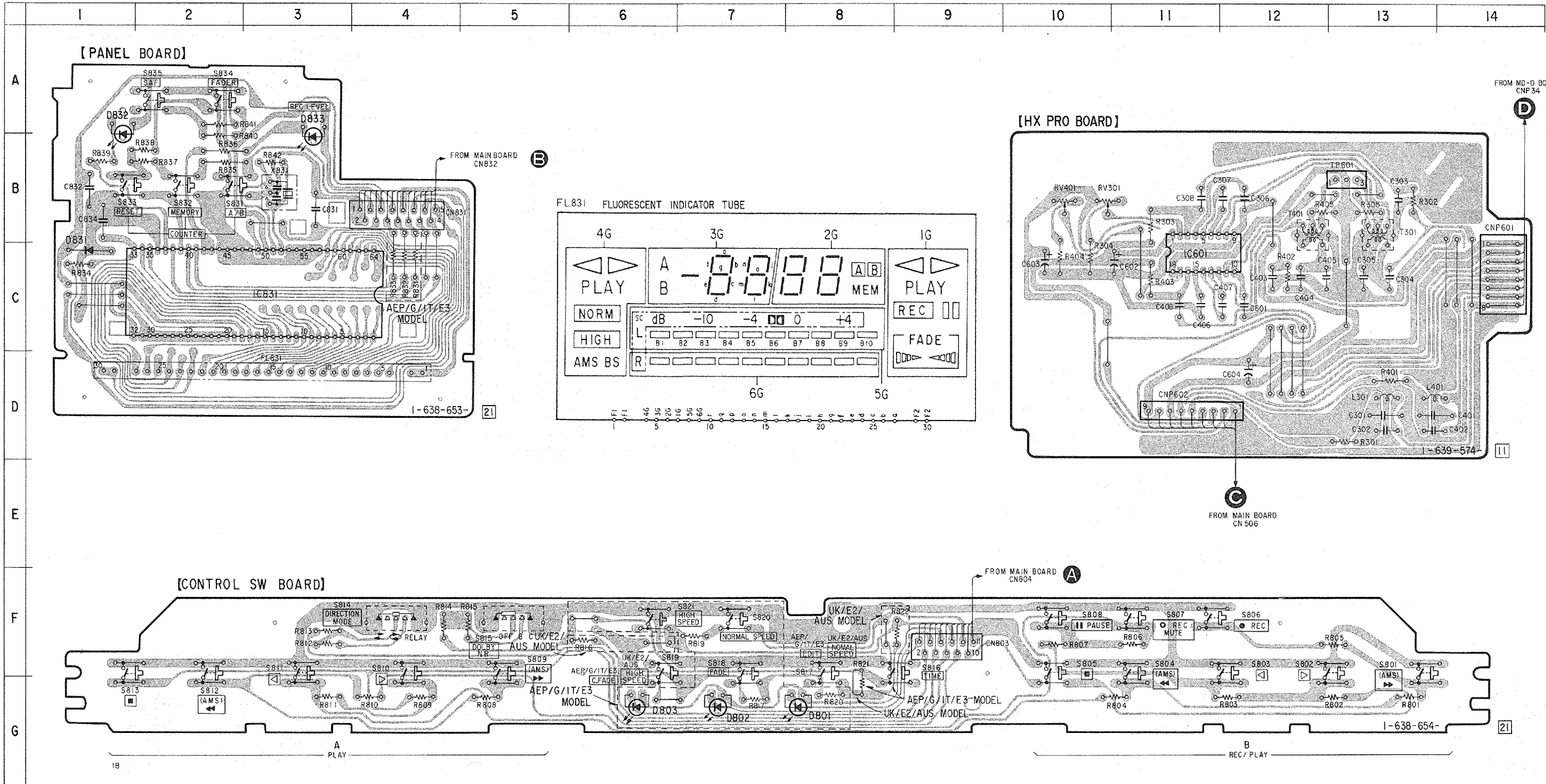
5-3. CIRCUIT BOARDS LOCATION



● Semiconductor Lead Layouts



5-4. PRINTED WIRING BOARDS —Panel Section—

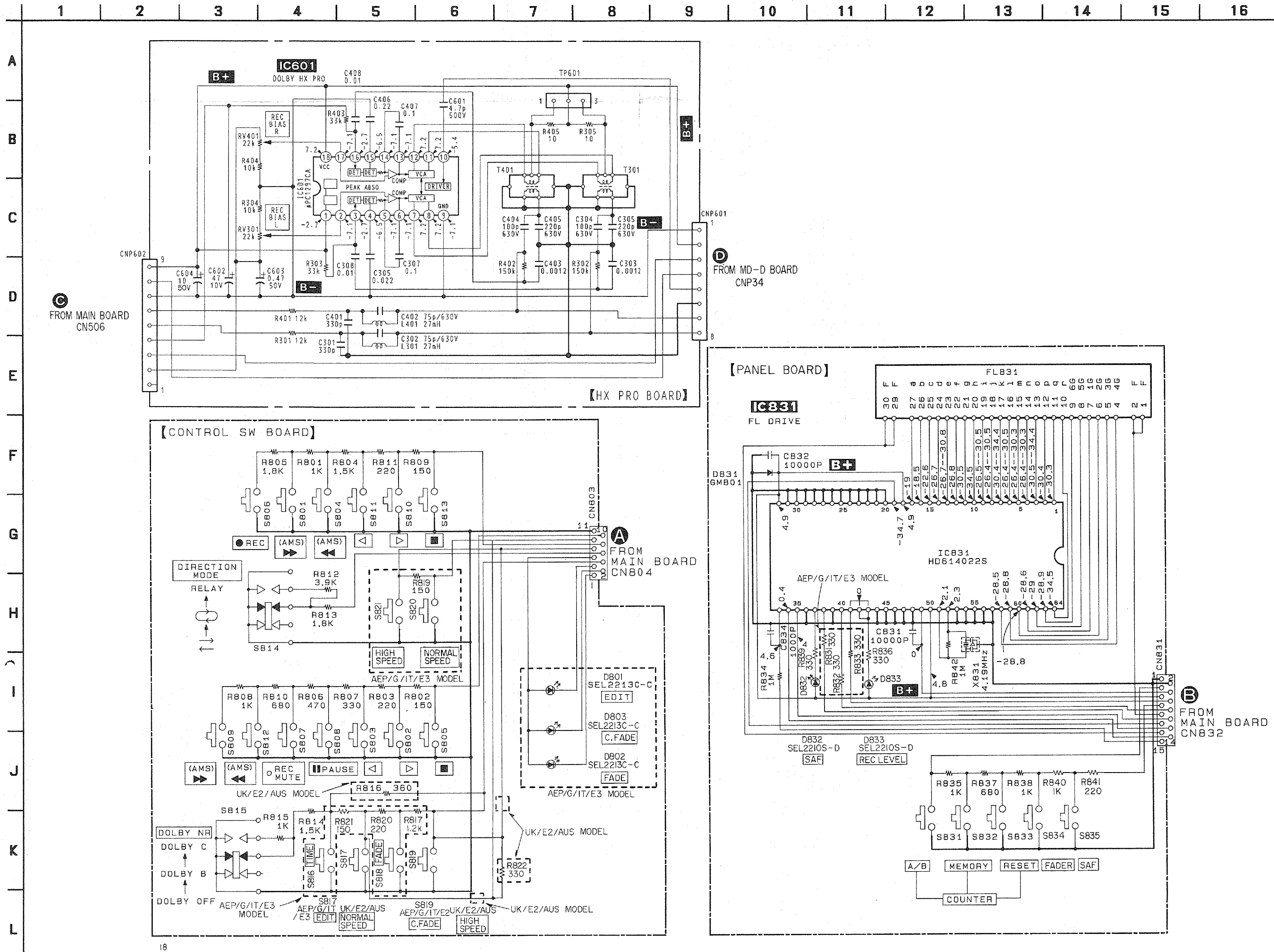


● SEMICONDUCTOR LOCATION

| Ref. No. | Location | Ref. No. | Location |
|----------|----------|----------|----------|
| D801     | G-8      | D833     | A-3      |
| D802     | G-7      |          |          |
| D803     | G-6      | IC601    | C-11     |
| D831     | C-1      | IC831    | C-3      |
| D832     | A-1      |          |          |

○ : parts extracted from the component side.  
G:Germany  
IT:Italian  
AUS: Australian

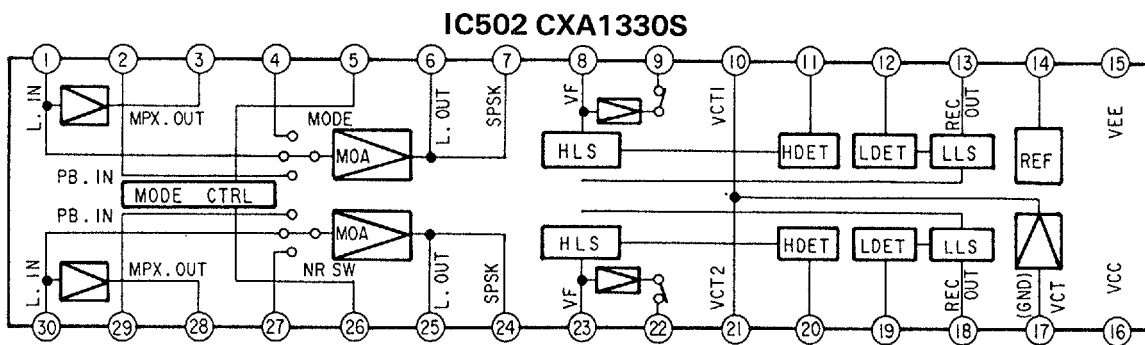
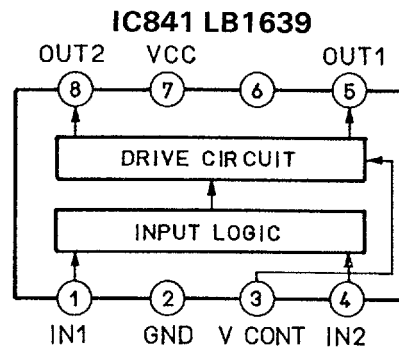
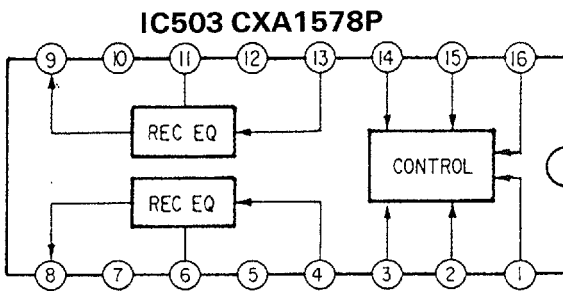
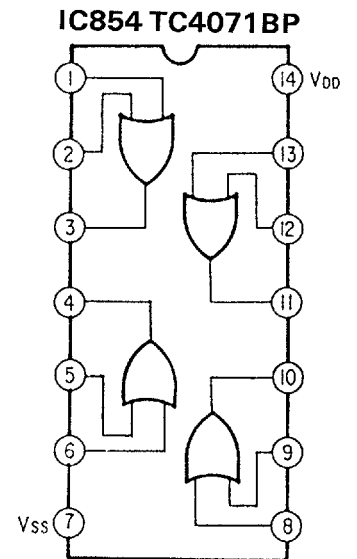
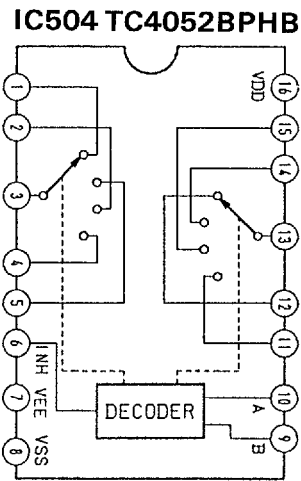
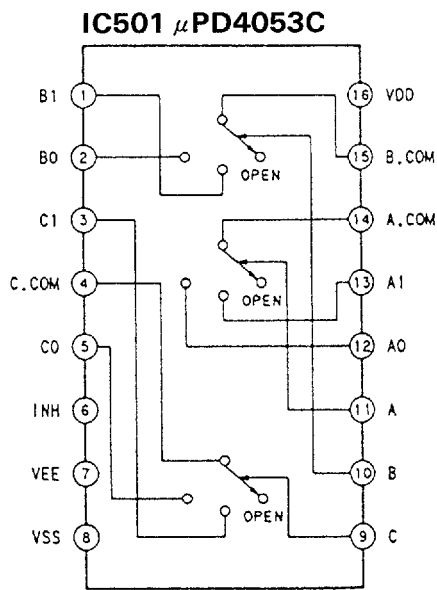
5-5. SCHEMATIC DIAGRAM —Panel Section—



Note:  
• All capacitors are in  $\mu F$  unless otherwise noted,  $pF$ :  $\mu F$   
5 0 WV or less are not indicated except for electrolytics and tantalums.  
• All resistors are in  $\Omega$  and  $\frac{1}{2}W$  or less unless otherwise specified.  
•  $\Delta$  : indicates tolerance.  
•  $\square$  : B+Line  
• Voltage is dc with respect to ground under no-signal(detuned) conditions.

• no mark:PLAY  
• Voltages are taken with a VOM(input impedance 1.0M $\Omega$ ).  
Voltage variations may be noted due to normal production tolerances.  
G:Germany  
IT:Italian  
AUS: Australian

● IC Block Diagrams



## SECTION 6 EXPLODED VIEWS

## NOTE:

- -XX, -X mean standardized parts, so they may have some differences from the original one.
- The mechanical parts with no reference number in the exploded views are not supplied.
- Items marked "\*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

- Color Indication of Appearance Parts  
Example:  
KNOB, BALANCE(WHITE)...(RED)  

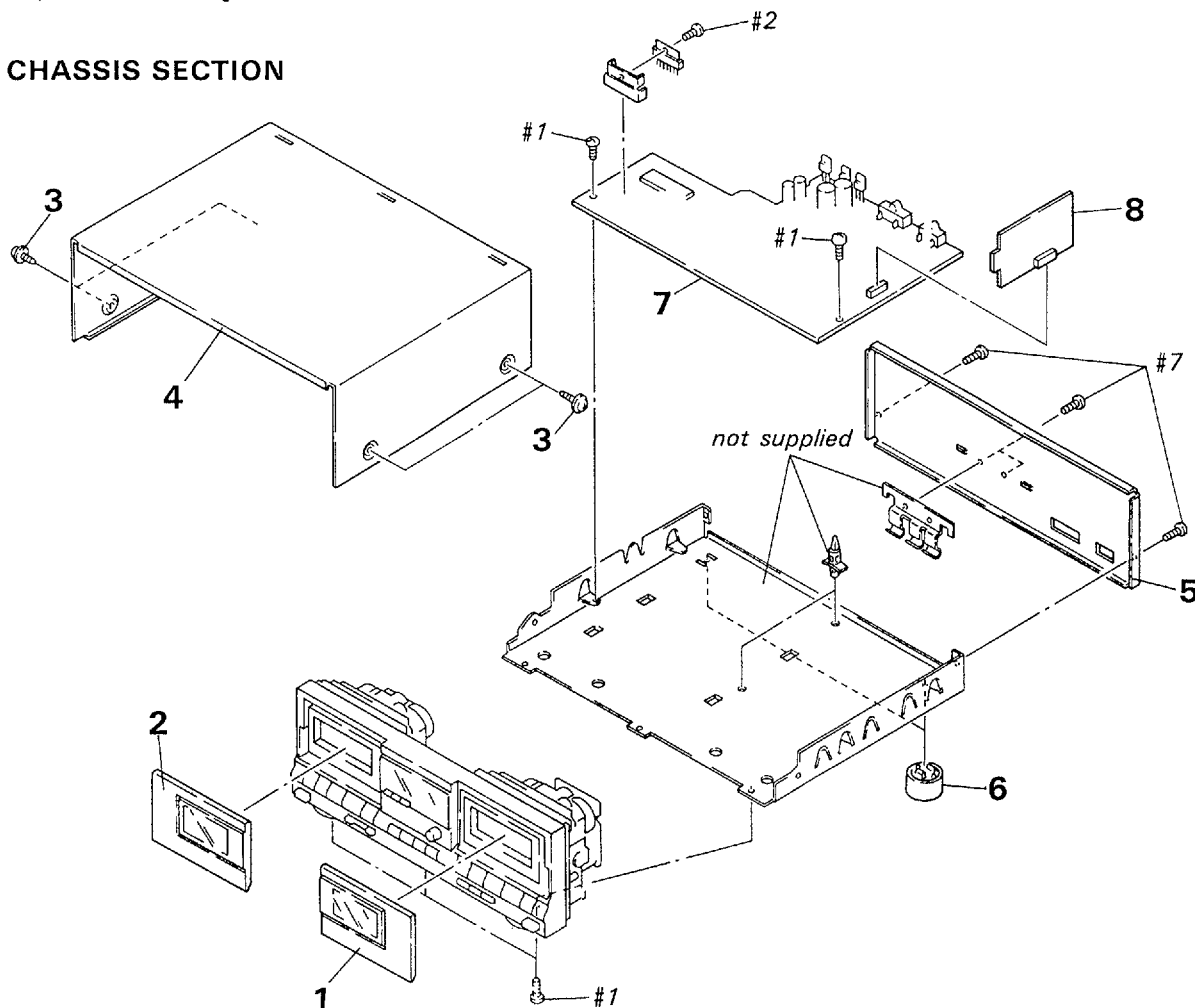
↑
↑

Part's Color
Cabinet's Color
- Hardware (#mark) list is given in the last of this parts list.

G:Germany  
IT:Italian  
AUS:Australian

Note: The components identified by mark  $\Delta$  or dotted line with mark  $\Delta$  are critical for safety. Replace only with part number specified.

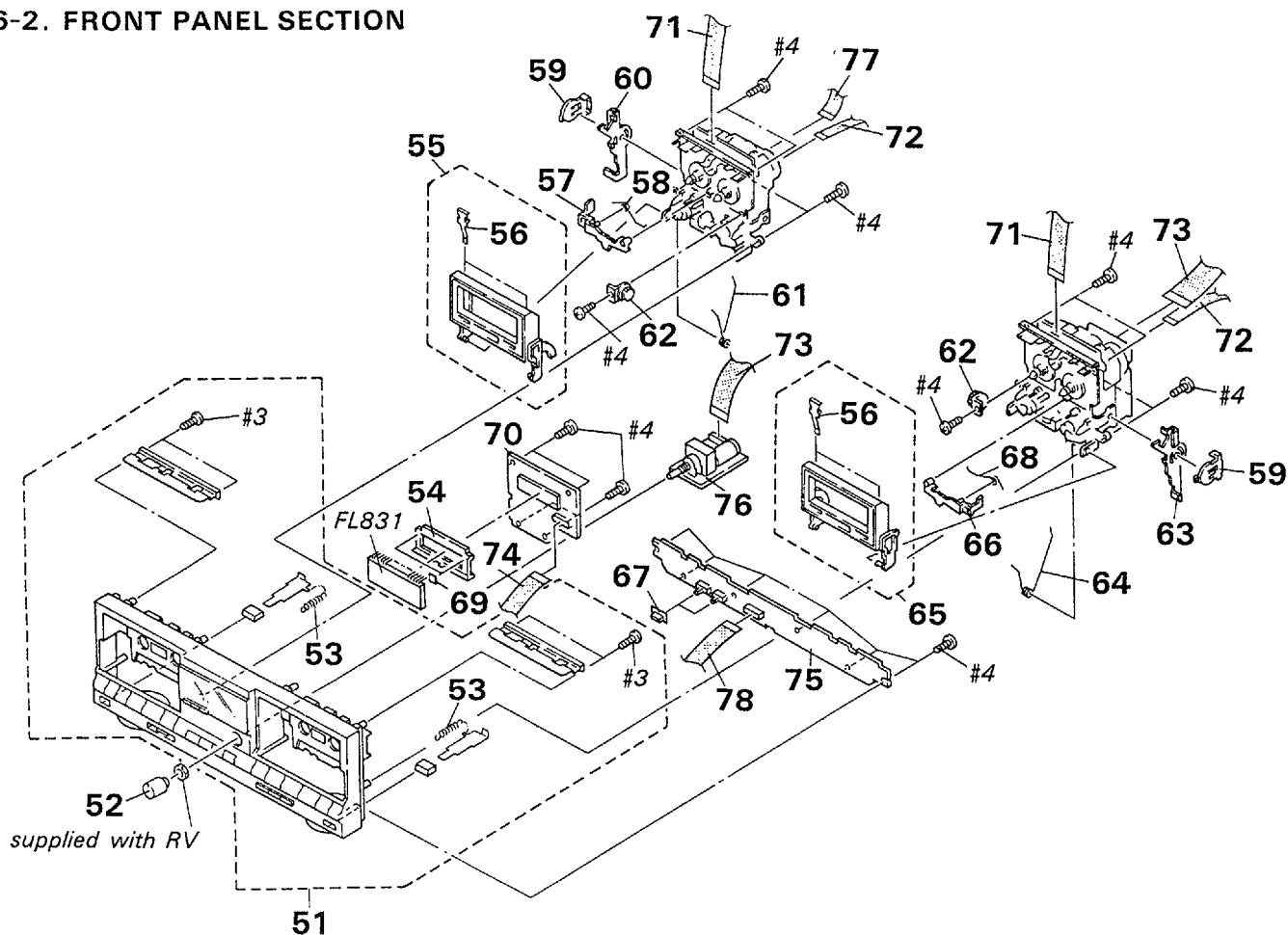
### 6-1. CHASSIS SECTION



| Ref. No. | Part No.       | Description                        | Remark |
|----------|----------------|------------------------------------|--------|
| 1        | X-3363-132-1   | LID (B) ASSY, CASSETTE (except IT) |        |
| 1        | X-3363-133-1   | LID (B) ASSY, CASSETTE (IT)        |        |
| 2        | X-3362-226-1   | LID (A) ASSY, CASSETTE (except IT) |        |
| 2        | X-3362-797-1   | LID (A) ASSY, CASSETTE (IT)        |        |
| 3        | 3-363-099-01   | SCREW (CASE +3X8 TP2)              |        |
| 4        | * 4-939-803-71 | CASE                               |        |

| Ref. No. | Part No.       | Description                           | Remark |
|----------|----------------|---------------------------------------|--------|
| 5        | * 3-362-787-33 | PANEL, BACK (G)                       |        |
| 5        | * 3-362-787-42 | PANEL, BACK (AEP, IT, UK)             |        |
| 5        | * 3-362-787-41 | PANEL, BACK (E2, E3, AUS)             |        |
| 6        | 4-931-169-01   | FOOT                                  |        |
| 7        | * A-2006-519-A | MAIN BOARD, COMPLETE (UK, E2, AUS)    |        |
| 7        | * A-2006-524-A | MAIN BOARD, COMPLETE (AEP, G, IT, E3) |        |
| 8        | * A-2006-523-A | HX PRO BOARD, COMPLETE                |        |

## 6-2. FRONT PANEL SECTION

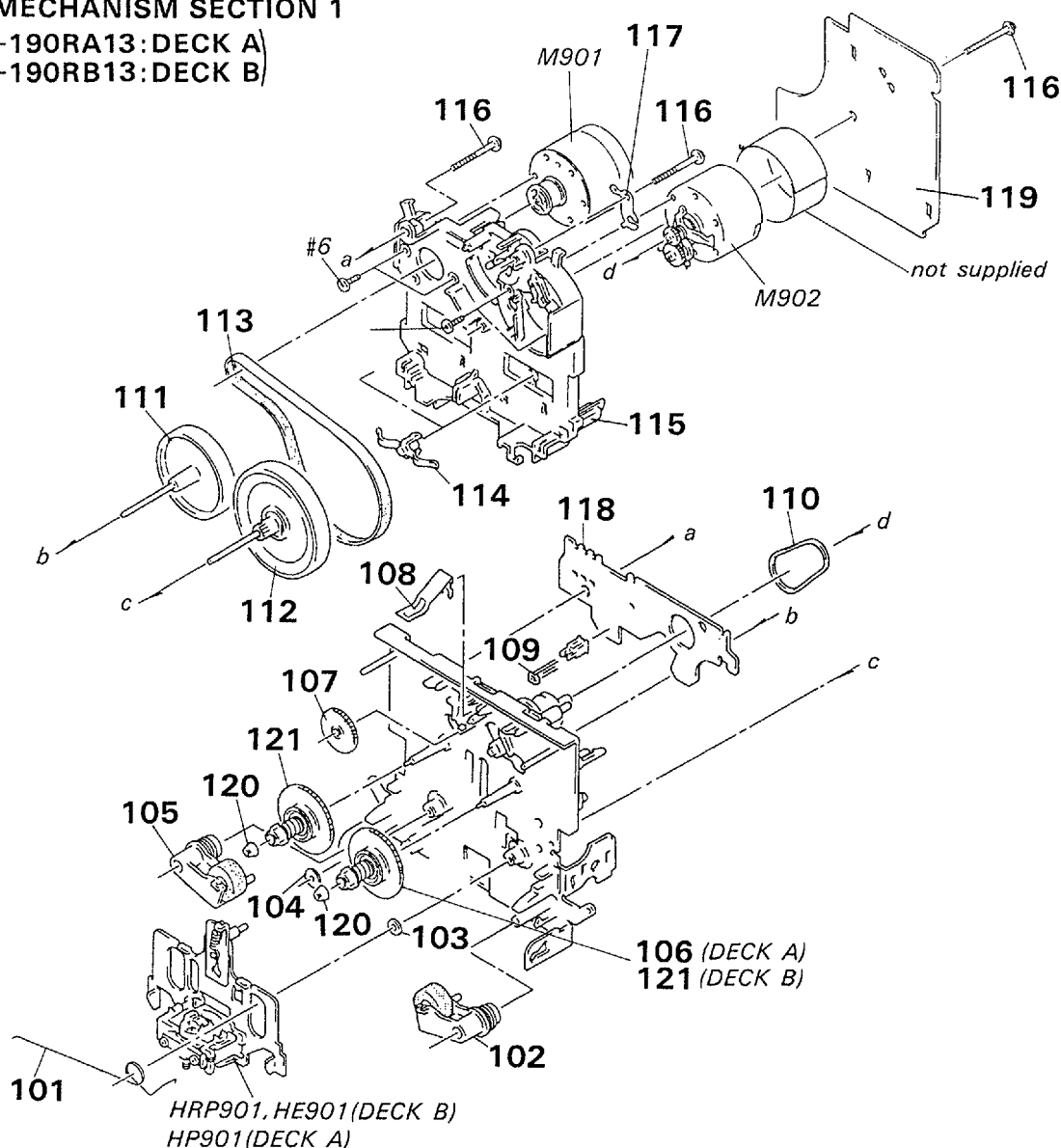


| Ref. No. | Part No.       | Description                   | Remark |
|----------|----------------|-------------------------------|--------|
| 51       | X-3363-131-2   | PANEL ASSY, FRONT (UK,E2,AUS) |        |
| 51       | X-3363-134-2   | PANEL ASSY, FRONT (AEP,G,E3)  |        |
| 51       | X-3363-135-2   | PANEL ASSY, FRONT (IT)        |        |
| 52       | 3-349-039-01   | KNOB (VOL)                    |        |
| 53       | 3-662-752-21   | SPRING, TENSION               |        |
| 54       | * 4-933-646-01 | HOLDER (TC), FL TUBE          |        |
| 55       | X-3340-194-1   | HOLDER (L) ASSY, CASSETTE     |        |
| 56       | 3-308-823-11   | SPRING                        |        |
| 57       | 3-354-955-01   | LEVER (EJ SAFTY LEVER L)      |        |
| 58       | 3-354-961-01   | SPRING (EJ SAFTY SPRING L)    |        |
| 59       | 3-354-957-01   | JOINT (LOCK LEVER)            |        |
| 60       | * 3-363-638-01 | LEVER (LOCK LEVER L)          |        |
| 61       | 3-354-959-01   | SPRING (LOADING L), TORSION   |        |
| 62       | 3-354-963-01   | DAMPER                        |        |
| 63       | * 3-363-639-01 | LEVER (LOCK LEVER R)          |        |
| 64       | 3-354-960-01   | SPRING (LOADING R), TORSION   |        |
| 65       | X-3340-195-1   | HOLDER (R) ASSY, CASSETTE     |        |

| Ref. No. | Part No.       | Description                         | Remark |
|----------|----------------|-------------------------------------|--------|
| 66       | 3-354-956-01   | LEVER (EJ SAFTY LEVER R)            |        |
| 67       | 3-363-640-01   | KNOB (SLIDE)                        |        |
| 68       | 3-354-962-01   | SPRING (EJ SAFTY SPRING R)          |        |
| 69       | * 4-921-941-01 | CUSHION (FL)                        |        |
| 70       | * A-2006-520-A | PANEL BOARD, COMPLETE (UK,E2,AUS)   |        |
| 70       | * A-2006-525-A | PANEL BOARD, COMPLETE (AEP,G,IT,E3) |        |
| 71       | * 1-574-727-11 | WIRE, FLAT TYPE (9 CORE)            |        |
| 72       | 1-575-220-11   | WIRE, FLAT TYPE (5 CORE)            |        |
| 73       | 1-590-036-11   | WIRE, FLAT TYPE (13 CORE)           |        |
| 74       | 1-575-217-11   | WIRE, FLAT TYPE (15 CORE)           |        |
| 75       | * 1-638-654-21 | CONTROL SW BOARD                    |        |
| 76       | * 1-638-655-21 | REC VOL BOARD                       |        |
| 77       | 1-575-731-11   | WIRE, FLAT TYPE (7 CORE)            |        |
| 78       | 1-590-218-11   | WIRE, FLAT TYPE (11 CORE)           |        |
| FL831    | 1-519-570-11   | INDICATOR TUBE, FLUORESCENT         |        |

# 6-3. MECHANISM SECTION 1

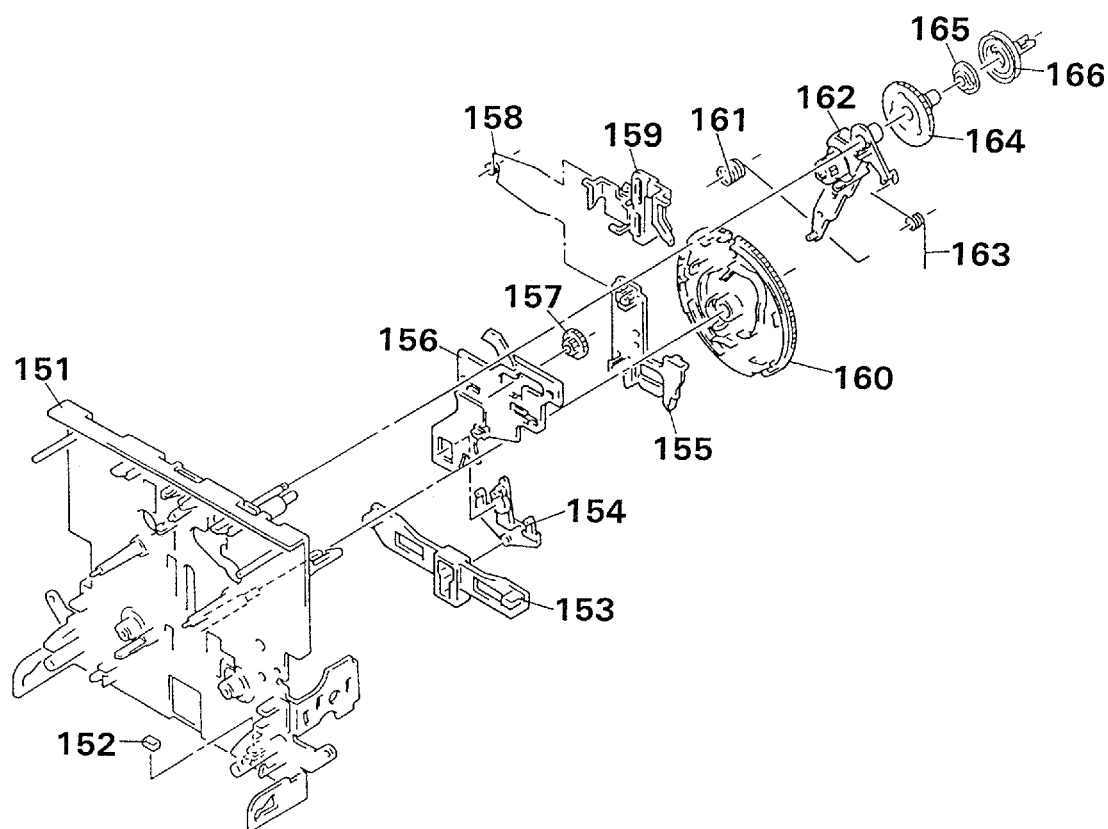
(TCM-190RA13:DECK A)  
(TCM-190RB13:DECK B)



| Ref. No. | Part No.     | Description                      | Remark |
|----------|--------------|----------------------------------|--------|
| 101      | 3-359-455-01 | SPRING, TORSION                  |        |
| 102      | X-3359-408-1 | LEVER (PINCH LEVER FWD) ASSY     |        |
| 103      | 3-356-713-01 | WASHER                           |        |
| 104      | 3-356-714-01 | WASHER                           |        |
| 105      | X-3359-409-1 | LEVER (PINCH LEVER REV) ASSY     |        |
| 106      | X-3359-404-1 | TABLE ASSY. REEL (DECK A)        |        |
| 107      | 3-359-424-01 | GEAR (REV GEAR)                  |        |
| 108      | 3-359-430-01 | SPRING (CASSETTE RETAINER), LEAF |        |
| 109      | 3-343-419-01 | HOLDER (S SENSER A)              |        |
| 110      | 3-359-466-01 | BELT (FR), SQUARE                |        |
| 111      | X-3359-410-1 | FLYWHEEL (REV) ASSY              |        |
| 112      | X-3359-406-1 | FLYWHEEL (FWD) COMPLETE ASSY     |        |
| 113      | 3-359-417-01 | BELT (FLAT), CAPSTAN             |        |
| 114      | 3-575-321-00 | RETAINER, THRUST, CAPSTAN        |        |

| Ref. No. | Part No.       | Description                     | Remark |
|----------|----------------|---------------------------------|--------|
| 115      | * 3-359-436-01 | BASE (THRUST RETAINER), FITTING |        |
| 116      | 3-359-414-01   | SCREW (+PTPWH 2X23)             |        |
| 117      | 3-359-450-01   | PLATE, GROUND                   |        |
| 118      | * 1-634-841-11 | SW-A BOARD                      |        |
| 118      | * 1-634-841-11 | SW-B BOARD                      |        |
| 119      | * A-2006-305-A | MD-D BOARD, COMPLETE (DECK B)   |        |
| 119      | * 1-634-840-11 | MD-A BOARD (DECK A)             |        |
| 120      | 3-362-308-01   | CAP (REEL)                      |        |
| 121      | X-3362-078-1   | TABLE ASSY (B), REEL            |        |
| HP901    | A-2003-867-B   | BASE ASSY. HEAD (DECK A)        |        |
| HRP901   | A-2003-477-A   | BASE ASSY. HEAD (DECK B)        |        |
| HE901    |                |                                 |        |
| M901     | X-3359-417-1   | MOTOR (CAPSTAN) ASSY            |        |
| M902     | A-2003-474-A   | MOTOR (REEL) ASSY               |        |

## 6-4. MECHANISM SECTION 2



| Ref. No. | Part No.       | Description              | Remark |
|----------|----------------|--------------------------|--------|
| 151      | X-3359-415-1   | CHASSIS ASSY. MECHANICAL |        |
| 152      | 3-359-469-01   | SPACER                   |        |
| 153      | * 3-359-425-01 | SLIDER (REVERSE SLIDER)  |        |
| 154      | 3-359-426-01   | LEVER (REVERSE LEVER)    |        |
| 155      | * 3-359-427-01 | SLIDER (LEVERSE SLIDER)  |        |
| 156      | * 3-359-415-01 | SLIDER (TRIGGER SLIDER)  |        |
| 157      | 3-359-448-01   | GEAR (TRIGGER)           |        |
| 158      | 3-359-454-01   | SPRING; TORSION          |        |

| Ref. No. | Part No.     | Description                      | Remark |
|----------|--------------|----------------------------------|--------|
| 159      | 3-359-429-01 | SLIDER (BRAKE PLATE)             |        |
| 160      | 3-359-420-01 | GEAR (CAM GEAR)                  |        |
| 161      | 3-359-456-01 | SPRING (TRIGGER SPRING), TORSION |        |
| 162      | X-3359-405-1 | LEVER (FR ARM) ASSY              |        |
| 163      | 3-359-453-01 | SPRING (FR ARM), TORSION         |        |
| 164      | 3-359-419-01 | GEAR (FR GEAR)                   |        |
| 165      | 3-359-421-01 | CLUTCH (REEL DISK)               |        |
| 166      | 3-359-418-01 | PULLEY (FR PULLEY)               |        |

## HX PRO

SECTION 7  
ELECTRICAL PARTS LIST

## NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- Items marked "\*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- -XX, -X mean standardized parts, so they may have some difference from the original one.
- RESISTORS  
All resistors are in ohms

METAL: Metal-film resistor  
METAL OXIDE: Metal Oxide-film resistor  
F: nonflammable

- SEMI CONDUCTORS  
In each case, u:  $\mu$ , for example:  
uA...:  $\mu$ A..., uPA...:  $\mu$ PA...,  
uPB...:  $\mu$ PB..., uPC...:  $\mu$ PC...,  
uPD...:  $\mu$ PD...
- CAPACITORS  
uF:  $\mu$ F
- COILS  
uH:  $\mu$ H

G:Germany

IT:Italian

AUS:Australian

Note: The components identified by mark  $\Delta$  or dotted line with mark  $\Delta$  are critical for safety.  
Replace only with part number specified.

When indicating parts by reference number, please include the board name.

| Ref.No. | Part No. | Description | Remark |
|---------|----------|-------------|--------|
|---------|----------|-------------|--------|

\* A-2006-523-A HX PRO BOARD, COMPLETE  
\*\*\*\*\*

## &lt; CAPACITOR &gt;

|      |              |         |                 |
|------|--------------|---------|-----------------|
| C301 | 1-162-288-31 | CERAMIC | 330PF 10% 50V   |
| C302 | 1-136-273-91 | FILM    | 75PF 5% 630V    |
| C303 | 1-130-472-00 | MYLAR   | 0.0012uF 5% 50V |
| C304 | 1-136-433-11 | FILM    | 100PF 5% 630V   |
| C305 | 1-136-437-11 | FILM    | 220PF 5% 630V   |
| C306 | 1-136-157-00 | FILM    | 0.022uF 5% 50V  |
| C307 | 1-136-165-00 | FILM    | 0.1uF 5% 50V    |
| C308 | 1-136-153-00 | FILM    | 0.01uF 5% 50V   |
| C401 | 1-162-288-31 | CERAMIC | 330PF 10% 50V   |
| C402 | 1-136-273-91 | FILM    | 75PF 5% 630V    |
| C403 | 1-130-472-00 | MYLAR   | 0.0012uF 5% 50V |
| C404 | 1-136-433-11 | FILM    | 100PF 5% 630V   |
| C405 | 1-136-437-11 | FILM    | 220PF 5% 630V   |
| C406 | 1-136-157-00 | FILM    | 0.022uF 5% 50V  |
| C407 | 1-136-165-00 | FILM    | 0.1uF 5% 50V    |
| C408 | 1-136-153-00 | FILM    | 0.01uF 5% 50V   |
| C601 | 1-107-046-00 | MICA    | 4.7PF 500V      |
| C602 | 1-126-022-11 | ELECT   | 47uF 20% 10V    |
| C603 | 1-126-300-11 | ELECT   | 0.47uF 20% 50V  |
| C604 | 1-126-059-11 | ELECT   | 10uF 20% 50V    |

## &lt; CONNECTOR &gt;

CNP601 \* 1-565-347-11 SOCKET, CONNECTOR (PC BOARD) 8P  
CNP602 \* 1-569-504-11 PIN, CONNECTOR 9P

## &lt; IC &gt;

IC601 8-759-106-56 IC uPC1297CA

| Ref.No. | Part No. | Description | Remark |
|---------|----------|-------------|--------|
|---------|----------|-------------|--------|

## &lt; COIL &gt;

|      |              |          |      |
|------|--------------|----------|------|
| L301 | 1-410-780-11 | INDUCTOR | 27mH |
| L401 | 1-410-780-11 | INDUCTOR | 27mH |

## &lt; RESISTOR &gt;

|      |              |        |              |
|------|--------------|--------|--------------|
| R301 | 1-249-430-11 | CARBON | 12K 5% 1/4W  |
| R302 | 1-247-883-00 | CARBON | 150K 5% 1/4W |
| R303 | 1-249-435-11 | CARBON | 33K 5% 1/4W  |
| R304 | 1-249-429-11 | CARBON | 10K 5% 1/4W  |
| R305 | 1-249-393-11 | CARBON | 10 5% 1/4W   |
| R401 | 1-249-430-11 | CARBON | 12K 5% 1/4W  |
| R402 | 1-247-883-00 | CARBON | 150K 5% 1/4W |
| R403 | 1-249-435-11 | CARBON | 33K 5% 1/4W  |
| R404 | 1-249-429-11 | CARBON | 10K 5% 1/4W  |
| R405 | 1-249-393-11 | CARBON | 10 5% 1/4W   |

## &lt; VARIABLE RESISTOR &gt;

|       |              |                      |
|-------|--------------|----------------------|
| RV301 | 1-238-601-11 | RES. ADJ. CARBON 22K |
| RV401 | 1-238-601-11 | RES. ADJ. CARBON 22K |

## &lt; TRANSFORMER &gt;

|      |              |                               |
|------|--------------|-------------------------------|
| T301 | 1-433-367-11 | TRANSFORMER, BIAS OSCILLATION |
| T401 | 1-433-367-11 | TRANSFORMER, BIAS OSCILLATION |

## &lt; TEST PIN &gt;

TP601 \* 1-564-518-11 PLUG, CONNECTOR 3P

## MAIN

## PANEL

## CONTROL SW

## REC VOL

| Ref. No.       | Part No.                            | Description             | Remark |
|----------------|-------------------------------------|-------------------------|--------|
| * A-2006-519-A | MAIN BOARD, COMPLETE (UK,E2,AUS)    |                         |        |
| * A-2006-524-A | MAIN BOARD, COMPLETE (AEP,G,IT,E3)  |                         |        |
| *****          |                                     |                         |        |
| * A-2006-520-A | PANEL BOARD, COMPLETE (UK,E2,AUS)   |                         |        |
| * A-2006-525-A | PANEL BOARD, COMPLETE (AEP,G,IT,E3) |                         |        |
| *****          |                                     |                         |        |
| * 1-638-654-21 | CONTROL SW BOARD                    |                         |        |
| *****          |                                     |                         |        |
| * 1-638-655-21 | REC VOL BOARD                       |                         |        |
| *****          |                                     |                         |        |
| * 3-362-478-01 | HOLDER (T), LED                     |                         |        |
| * 4-921-941-01 | CUSHION (FL)                        |                         |        |
| * 4-933-646-01 | HOLDER (TC), FL TUBE                |                         |        |
| * 4-942-204-01 | PLATE, GROUND                       |                         |        |
| 7-682-547-04   | SCREW +BVT 3X6 (S)                  |                         |        |
| < CAPACITOR >  |                                     |                         |        |
| C101           | 1-136-157-00                        | FILM 0.022uF 5% 50V     |        |
| C110           | 1-126-163-11                        | ELECT 4.7uF 20% 50V     |        |
| C111           | 1-162-294-31                        | CERAMIC 0.001uF 10% 50V |        |
| C112           | 1-130-475-00                        | MYLAR 0.0022uF 5% 50V   |        |
| C113           | 1-130-475-00                        | MYLAR 0.0022uF 5% 50V   |        |
| C114           | 1-136-171-00                        | FILM 0.33uF 5% 50V      |        |
| C115           | 1-136-174-00                        | FILM 0.56uF 5% 50V      |        |
| C116           | 1-126-163-11                        | ELECT 4.7uF 20% 50V     |        |
| C132           | 1-126-161-11                        | ELECT 2.2uF 20% 50V     |        |
| C151           | 1-126-059-11                        | ELECT 10uF 20% 50V      |        |
| C152           | 1-126-162-11                        | ELECT 3.3uF 20% 50V     |        |
| C153           | 1-126-059-11                        | ELECT 10uF 20% 50V      |        |
| C201           | 1-136-157-00                        | FILM 0.022uF 5% 50V     |        |
| C210           | 1-126-163-11                        | ELECT 4.7uF 20% 50V     |        |
| C211           | 1-162-294-31                        | CERAMIC 0.001uF 10% 50V |        |
| C212           | 1-130-475-00                        | MYLAR 0.0022uF 5% 50V   |        |
| C213           | 1-130-475-00                        | MYLAR 0.0022uF 5% 50V   |        |
| C214           | 1-136-171-00                        | FILM 0.33uF 5% 50V      |        |
| C215           | 1-136-174-00                        | FILM 0.56uF 5% 50V      |        |
| C216           | 1-126-163-11                        | ELECT 4.7uF 20% 50V     |        |
| C232           | 1-126-161-11                        | ELECT 2.2uF 20% 50V     |        |
| C251           | 1-126-059-11                        | ELECT 10uF 20% 50V      |        |
| C252           | 1-126-162-11                        | ELECT 3.3uF 20% 50V     |        |
| C253           | 1-126-059-11                        | ELECT 10uF 20% 50V      |        |
| C501           | 1-126-161-11                        | ELECT 2.2uF 20% 50V     |        |
| C502           | 1-124-910-11                        | ELECT 47uF 20% 50V      |        |
| C503           | 1-124-910-11                        | ELECT 47uF 20% 50V      |        |
| C521           | 1-126-161-11                        | ELECT 2.2uF 20% 50V     |        |
| C551           | 1-126-300-11                        | ELECT 0.47uF 20% 50V    |        |
| C552           | 1-126-059-11                        | ELECT 10uF 20% 50V      |        |

| Ref. No. | Part No.     | Description             | Remark |
|----------|--------------|-------------------------|--------|
| C553     | 1-126-300-11 | ELECT 0.47uF 20% 50V    |        |
| C561     | 1-126-161-11 | ELECT 2.2uF 20% 50V     |        |
| C563     | 1-136-157-00 | FILM 0.022uF 5% 50V     |        |
| C565     | 1-126-163-11 | ELECT 4.7uF 20% 50V     |        |
| C567     | 1-126-161-11 | ELECT 2.2uF 20% 50V     |        |
| C568     | 1-126-161-11 | ELECT 2.2uF 20% 50V     |        |
| C580     | 1-123-323-00 | ELECT 470uF 20% 16V     |        |
| C581     | 1-126-024-11 | ELECT 100uF 20% 25V     |        |
| C582     | 1-126-024-11 | ELECT 100uF 20% 25V     |        |
| C701     | 1-124-887-00 | ELECT 3300uF 20% 16V    |        |
| C702     | 1-124-887-00 | ELECT 3300uF 20% 16V    |        |
| C704     | 1-124-910-11 | ELECT 47uF 20% 50V      |        |
| C705     | 1-124-910-11 | ELECT 47uF 20% 50V      |        |
| C706     | 1-124-910-11 | ELECT 47uF 20% 50V      |        |
| C707     | 1-126-161-11 | ELECT 2.2uF 20% 50V     |        |
| C708     | 1-124-472-11 | ELECT 470uF 20% 10V     |        |
| C709     | 1-126-301-11 | ELECT 1uF 20% 50V       |        |
| C710     | 1-126-301-11 | ELECT 1uF 20% 50V       |        |
| C711     | 1-126-867-11 | ELECT 33uF 20% 50V      |        |
| C712     | 1-126-161-11 | ELECT 2.2uF 20% 50V     |        |
| C713     | 1-161-379-00 | CERAMIC 0.01uF 20% 25V  |        |
| C831     | 1-161-379-00 | CERAMIC 0.01uF 20% 25V  |        |
| C832     | 1-161-379-00 | CERAMIC 0.01uF 20% 25V  |        |
| C834     | 1-162-294-31 | CERAMIC 0.001uF 10% 50V |        |
| C841     | 1-126-301-11 | ELECT 1uF 20% 50V       |        |
| C842     | 1-126-301-11 | ELECT 1uF 20% 50V       |        |
| C851     | 1-164-159-11 | CERAMIC 0.1uF 50V       |        |
| C852     | 1-164-159-11 | CERAMIC 0.1uF 50V       |        |
| C853     | 1-126-059-11 | ELECT 10uF 20% 50V      |        |
| C854     | 1-126-059-11 | ELECT 10uF 20% 50V      |        |
| C855     | 1-124-994-11 | ELECT 100uF 20% 10V     |        |
| C856     | 1-161-379-00 | CERAMIC 0.01uF 20% 25V  |        |
| C857     | 1-161-379-00 | CERAMIC 0.01uF 20% 25V  |        |
| C858     | 1-161-379-00 | CERAMIC 0.01uF 20% 25V  |        |
| C859     | 1-124-994-11 | ELECT 100uF 20% 10V     |        |
| C860     | 1-164-159-11 | CERAMIC 0.1uF 50V       |        |
| C861     | 1-136-157-00 | FILM 0.022uF 5% 50V     |        |
| C862     | 1-126-121-11 | ELECT 220uF 20% 10V     |        |
| C899     | 1-164-159-11 | CERAMIC 0.1uF 50V       |        |

## &lt; CONNECTOR &gt;

|       |                |                       |
|-------|----------------|-----------------------|
| CN501 | * 1-568-824-11 | SOCKET, CONNECTOR 5P  |
| CN502 | * 1-568-824-11 | SOCKET, CONNECTOR 5P  |
| CN503 | * 1-568-828-11 | SOCKET, CONNECTOR 9P  |
| CN504 | * 1-568-828-11 | SOCKET, CONNECTOR 9P  |
| CN505 | * 1-566-858-41 | SOCKET, CONNECTOR 11P |
| CN506 | * 1-569-495-11 | SOCKET, CONNECTOR 9P  |
| CN541 | * 1-568-832-11 | SOCKET, CONNECTOR 13P |
| CN542 | * 1-568-832-11 | SOCKET, CONNECTOR 13P |

## MAIN

## PANEL

## CONTROL SW

## REC VOL

| Ref.No. | Part No.       | Description           | Remark |
|---------|----------------|-----------------------|--------|
| CN701   | * 1-566-859-11 | SOCKET, CONNECTOR 15P |        |
| CN801   | * 1-568-826-11 | SOCKET, CONNECTOR 7P  |        |
| CN802   | * 1-568-826-11 | SOCKET, CONNECTOR 7P  |        |
| CN803   | * 1-568-854-11 | SOCKET, CONNECTOR 11P |        |
| CN804   | * 1-568-830-11 | SOCKET, CONNECTOR 11P |        |
| CN831   | * 1-568-834-11 | SOCKET, CONNECTOR 15P |        |
| CN832   | * 1-568-834-11 | SOCKET, CONNECTOR 15P |        |

## &lt; DIODE &gt;

|      |              |                                |  |
|------|--------------|--------------------------------|--|
| D131 | 8-719-912-20 | DIODE 1SS120                   |  |
| D231 | 8-719-912-20 | DIODE 1SS120                   |  |
| D501 | 8-719-912-20 | DIODE 1SS120                   |  |
| D514 | 8-719-912-20 | DIODE 1SS120                   |  |
| D561 | 8-719-912-20 | DIODE 1SS120                   |  |
| D581 | 8-719-933-54 | DIODE HZS9A2L                  |  |
| D701 | 8-719-200-77 | DIODE 10E2N                    |  |
| D702 | 8-719-200-77 | DIODE 10E2N                    |  |
| D703 | 8-719-200-77 | DIODE 10E2N                    |  |
| D704 | 8-719-200-77 | DIODE 10E2N                    |  |
| D705 | 8-719-933-33 | DIODE HZS6A1L                  |  |
| D706 | 8-719-933-33 | DIODE HZS6A1L                  |  |
| D707 | 8-719-000-54 | DIODE UZL-6L3                  |  |
| D708 | 8-719-200-77 | DIODE 10E2N                    |  |
| D709 | 8-719-200-77 | DIODE 10E2N                    |  |
| D710 | 8-719-912-20 | DIODE 1SS120                   |  |
| D711 | 8-719-912-20 | DIODE 1SS120                   |  |
| D801 | 8-719-302-23 | DIODE SEL2213C-C (AEP,G,IT,E3) |  |
| D802 | 8-719-302-23 | DIODE SEL2213C-C (AEP,G,IT,E3) |  |
| D803 | 8-719-302-23 | DIODE SEL2213C-C (AEP,G,IT,E3) |  |
| D831 | 8-719-912-20 | DIODE 1SS120                   |  |
| D832 | 8-719-301-39 | DIODE SEL2210S-D               |  |
| D833 | 8-719-301-39 | DIODE SEL2210S-D               |  |
| D841 | 8-719-912-20 | DIODE 1SS120                   |  |
| D842 | 8-719-912-20 | DIODE 1SS120                   |  |
| D851 | 8-719-912-20 | DIODE 1SS120                   |  |
| D852 | 8-719-912-20 | DIODE 1SS120                   |  |
| D853 | 8-719-912-20 | DIODE 1SS120                   |  |
| D854 | 8-719-933-41 | DIODE HZS6C3L                  |  |
| D855 | 8-719-912-20 | DIODE 1SS120                   |  |
| D856 | 8-719-933-41 | DIODE HZS6C3L                  |  |

## &lt; FLUORESCENT INDICATOR &gt;

|       |              |                             |  |
|-------|--------------|-----------------------------|--|
| FL831 | 1-519-570-11 | INDICATOR TUBE, FLUORESCENT |  |
|-------|--------------|-----------------------------|--|

## &lt; IC &gt;

|       |              |               |  |
|-------|--------------|---------------|--|
| IC501 | 8-759-140-53 | IC uPD4053BC  |  |
| IC502 | 8-752-036-34 | IC CXA1330S   |  |
| IC503 | 8-752-055-61 | IC CXA1578P   |  |
| IC504 | 8-759-208-08 | IC TC4052BPHB |  |

| Ref.No. | Part No.     | Description       | Remark |
|---------|--------------|-------------------|--------|
| IC505   | 8-759-945-58 | IC RC4558P        |        |
| IC561   | 8-759-945-58 | IC RC4558P        |        |
| IC701   | 8-759-945-58 | IC RC4558P        |        |
| IC831   | 8-759-321-92 | IC HD614022S      |        |
| IC841   | 8-759-820-62 | IC LB1639         |        |
| IC851   | 8-759-635-43 | IC M50944-164SP   |        |
| IC852   | 8-759-635-94 | IC M50925SP-482SP |        |
| IC853   | 8-759-207-05 | IC TA7272P        |        |
| IC854   | 8-759-240-71 | IC TC4071BP       |        |

## &lt; FILTER &gt;

|        |              |                  |  |
|--------|--------------|------------------|--|
| LPF101 | 1-236-087-11 | FILTER, LOW PASS |  |
| LPF201 | 1-236-087-11 | FILTER, LOW PASS |  |

## &lt; TRANSISTOR &gt;

|      |              |                        |  |
|------|--------------|------------------------|--|
| Q101 | 8-729-900-74 | TRANSISTOR DTC143TS    |  |
| Q102 | 8-729-620-05 | TRANSISTOR 2SC2603-EF  |  |
| Q201 | 8-729-900-74 | TRANSISTOR DTC143TS    |  |
| Q202 | 8-729-620-05 | TRANSISTOR 2SC2603-EF  |  |
| Q501 | 8-729-141-30 | TRANSISTOR 2SC3623A-LK |  |
| Q502 | 8-729-119-76 | TRANSISTOR 2SA1175-HFE |  |
| Q503 | 8-729-119-76 | TRANSISTOR 2SA1175-HFE |  |
| Q504 | 8-729-900-89 | TRANSISTOR DTC144ES    |  |
| Q505 | 8-729-900-61 | TRANSISTOR DTA114ES    |  |
| Q506 | 8-729-900-61 | TRANSISTOR DTA114ES    |  |
| Q507 | 8-729-900-74 | TRANSISTOR DTC143TS    |  |
| Q508 | 8-729-900-74 | TRANSISTOR DTC143TS    |  |
| Q509 | 8-729-900-74 | TRANSISTOR DTC143TS    |  |
| Q510 | 8-729-900-74 | TRANSISTOR DTC143TS    |  |
| Q511 | 8-729-900-74 | TRANSISTOR DTC143TS    |  |
| Q521 | 8-729-900-61 | TRANSISTOR DTA114ES    |  |
| Q522 | 8-729-119-76 | TRANSISTOR 2SA1175-HFE |  |
| Q523 | 8-729-900-61 | TRANSISTOR DTA114ES    |  |
| Q524 | 8-729-900-61 | TRANSISTOR DTA114ES    |  |
| Q561 | 8-729-900-61 | TRANSISTOR DTA114ES    |  |
| Q562 | 8-729-900-74 | TRANSISTOR DTC143TS    |  |
| Q563 | 8-729-119-76 | TRANSISTOR 2SA1175-HFE |  |
| Q581 | 8-729-900-65 | TRANSISTOR DTA144ES    |  |
| Q582 | 8-729-900-65 | TRANSISTOR DTA144ES    |  |
| Q583 | 8-729-900-89 | TRANSISTOR DTC144ES    |  |
| Q701 | 8-729-111-67 | TRANSISTOR 2SB1094-L   |  |
| Q702 | 8-729-209-15 | TRANSISTOR 2SD2012     |  |
| Q703 | 8-729-111-67 | TRANSISTOR 2SB1094-L   |  |
| Q704 | 8-729-620-05 | TRANSISTOR 2SC2603-EF  |  |
| Q841 | 8-729-900-89 | TRANSISTOR DTC144ES    |  |
| Q842 | 8-729-900-65 | TRANSISTOR DTA144ES    |  |
| Q851 | 8-729-900-80 | TRANSISTOR DTC114ES    |  |
| Q852 | 8-729-620-05 | TRANSISTOR 2SC2603-EF  |  |
| Q853 | 8-729-620-05 | TRANSISTOR 2SC2603-EF  |  |

## MAIN

## PANEL

## CONTROL SW

## REC VOL

| Ref. No.     | Part No.     | Description          | Remark |    |      |
|--------------|--------------|----------------------|--------|----|------|
| Q854         | 8-729-900-61 | TRANSISTOR DTA114ES  |        |    |      |
| Q855         | 8-729-900-74 | TRANSISTOR DTC143TS  |        |    |      |
| Q856         | 8-729-801-84 | TRANSISTOR 2SB1013-4 |        |    |      |
| Q857         | 8-729-801-84 | TRANSISTOR 2SB1013-4 |        |    |      |
| < RESISTOR > |              |                      |        |    |      |
| R101         | 1-249-435-11 | CARBON               | 33K    | 5% | 1/4W |
| R103         | 1-249-421-11 | CARBON               | 2.2K   | 5% | 1/4W |
| R105         | 1-247-887-00 | CARBON               | 220K   | 5% | 1/4W |
| R106         | 1-249-423-11 | CARBON               | 3.3K   | 5% | 1/4W |
| R110         | 1-249-417-11 | CARBON               | 1K     | 5% | 1/4W |
| R111         | 1-249-428-11 | CARBON               | 8.2K   | 5% | 1/4W |
| R112         | 1-249-423-11 | CARBON               | 3.3K   | 5% | 1/4W |
| R113         | 1-249-414-11 | CARBON               | 560    | 5% | 1/4W |
| R114         | 1-247-864-11 | CARBON               | 24K    | 5% | 1/4W |
| R115         | 1-249-434-11 | CARBON               | 27K    | 5% | 1/4W |
| R135         | 1-249-429-11 | CARBON               | 10K    | 5% | 1/4W |
| R136         | 1-249-421-11 | CARBON               | 2.2K   | 5% | 1/4W |
| R137         | 1-249-425-11 | CARBON               | 4.7K   | 5% | 1/4W |
| R138         | 1-249-417-11 | CARBON               | 1K     | 5% | 1/4W |
| R140         | 1-249-436-11 | CARBON               | 39K    | 5% | 1/4W |
| R141         | 1-249-432-11 | CARBON               | 18K    | 5% | 1/4W |
| R142         | 1-249-410-11 | CARBON               | 270    | 5% | 1/4W |
| R151         | 1-249-431-11 | CARBON               | 15K    | 5% | 1/4W |
| R152         | 1-249-425-11 | CARBON               | 4.7K   | 5% | 1/4W |
| R201         | 1-249-435-11 | CARBON               | 33K    | 5% | 1/4W |
| R203         | 1-249-421-11 | CARBON               | 2.2K   | 5% | 1/4W |
| R205         | 1-247-887-00 | CARBON               | 220K   | 5% | 1/4W |
| R206         | 1-249-423-11 | CARBON               | 3.3K   | 5% | 1/4W |
| R210         | 1-249-417-11 | CARBON               | 1K     | 5% | 1/4W |
| R211         | 1-249-428-11 | CARBON               | 8.2K   | 5% | 1/4W |
| R212         | 1-249-423-11 | CARBON               | 3.3K   | 5% | 1/4W |
| R213         | 1-249-414-11 | CARBON               | 560    | 5% | 1/4W |
| R214         | 1-247-864-11 | CARBON               | 24K    | 5% | 1/4W |
| R215         | 1-249-417-11 | CARBON               | 1K     | 5% | 1/4W |
| R235         | 1-249-429-11 | CARBON               | 10K    | 5% | 1/4W |
| R236         | 1-249-421-11 | CARBON               | 2.2K   | 5% | 1/4W |
| R237         | 1-249-425-11 | CARBON               | 4.7K   | 5% | 1/4W |
| R238         | 1-249-417-11 | CARBON               | 1K     | 5% | 1/4W |
| R240         | 1-249-436-11 | CARBON               | 39K    | 5% | 1/4W |
| R241         | 1-249-432-11 | CARBON               | 18K    | 5% | 1/4W |
| R242         | 1-249-410-11 | CARBON               | 270    | 5% | 1/4W |
| R251         | 1-249-431-11 | CARBON               | 15K    | 5% | 1/4W |
| R252         | 1-249-425-11 | CARBON               | 4.7K   | 5% | 1/4W |
| R501         | 1-249-433-11 | CARBON               | 22K    | 5% | 1/4W |
| R502         | 1-249-405-11 | CARBON               | 100    | 5% | 1/4W |
| R503         | 1-249-425-11 | CARBON               | 4.7K   | 5% | 1/4W |
| R504         | 1-249-425-11 | CARBON               | 4.7K   | 5% | 1/4W |
| R505         | 1-249-425-11 | CARBON               | 4.7K   | 5% | 1/4W |

| Ref. No. | Part No.     | Description | Remark |    |      |
|----------|--------------|-------------|--------|----|------|
| R507     | 1-247-850-11 | CARBON      | 6.2K   | 5% | 1/4W |
| R508     | 1-247-840-00 | CARBON      | 2.4K   | 5% | 1/4W |
| R509     | 1-247-852-11 | CARBON      | 7.5K   | 5% | 1/4W |
| R510     | 1-249-441-11 | CARBON      | 100K   | 5% | 1/4W |
| R512     | 1-247-883-00 | CARBON      | 150K   | 5% | 1/4W |
| R513     | 1-249-414-11 | CARBON      | 560    | 5% | 1/4W |
| R515     | 1-249-433-11 | CARBON      | 22K    | 5% | 1/4W |
| R516     | 1-249-407-11 | CARBON      | 150    | 5% | 1/4W |
| R517     | 1-249-407-11 | CARBON      | 150    | 5% | 1/4W |
| R518     | 1-249-433-11 | CARBON      | 22K    | 5% | 1/4W |
| R521     | 1-249-421-11 | CARBON      | 2.2K   | 5% | 1/4W |
| R533     | 1-249-429-11 | CARBON      | 10K    | 5% | 1/4W |
| R541     | 1-249-435-11 | CARBON      | 33K    | 5% | 1/4W |
| R542     | 1-249-435-11 | CARBON      | 33K    | 5% | 1/4W |
| R543     | 1-249-435-11 | CARBON      | 33K    | 5% | 1/4W |
| R546     | 1-249-415-11 | CARBON      | 680    | 5% | 1/4W |
| R554     | 1-247-864-11 | CARBON      | 24K    | 5% | 1/4W |
| R561     | 1-247-887-00 | CARBON      | 220K   | 5% | 1/4W |
| R562     | 1-249-429-11 | CARBON      | 10K    | 5% | 1/4W |
| R563     | 1-249-441-11 | CARBON      | 100K   | 5% | 1/4W |
| R564     | 1-249-428-11 | CARBON      | 8.2K   | 5% | 1/4W |
| R565     | 1-249-423-11 | CARBON      | 3.3K   | 5% | 1/4W |
| R566     | 1-249-441-11 | CARBON      | 100K   | 5% | 1/4W |
| R567     | 1-249-417-11 | CARBON      | 1K     | 5% | 1/4W |
| R568     | 1-249-441-11 | CARBON      | 100K   | 5% | 1/4W |
| R569     | 1-249-429-11 | CARBON      | 10K    | 5% | 1/4W |
| R570     | 1-249-441-11 | CARBON      | 100K   | 5% | 1/4W |
| R571     | 1-249-417-11 | CARBON      | 1K     | 5% | 1/4W |
| R572     | 1-249-437-11 | CARBON      | 47K    | 5% | 1/4W |
| R581     | 1-249-433-11 | CARBON      | 22K    | 5% | 1/4W |
| R582     | 1-249-433-11 | CARBON      | 22K    | 5% | 1/4W |
| R583     | 1-249-433-11 | CARBON      | 22K    | 5% | 1/4W |
| R701     | 1-249-420-11 | CARBON      | 1.8K   | 5% | 1/4W |
| R702     | 1-249-427-11 | CARBON      | 6.8K   | 5% | 1/4W |
| R703     | 1-249-419-11 | CARBON      | 1.5K   | 5% | 1/4W |
| R704     | 1-249-429-11 | CARBON      | 10K    | 5% | 1/4W |
| R705     | 1-249-419-11 | CARBON      | 1.5K   | 5% | 1/4W |
| R706     | 1-249-427-11 | CARBON      | 6.8K   | 5% | 1/4W |
| R707     | 1-249-427-11 | CARBON      | 6.8K   | 5% | 1/4W |
| R708     | 1-249-405-11 | CARBON      | 100    | 5% | 1/4W |
| R709     | 1-249-417-11 | CARBON      | 1K     | 5% | 1/4W |
| R710     | 1-249-420-11 | CARBON      | 1.8K   | 5% | 1/4W |
| R711     | 1-249-405-11 | CARBON      | 100    | 5% | 1/4W |
| R712     | 1-249-422-11 | CARBON      | 2.7K   | 5% | 1/4W |
| R801     | 1-249-417-11 | CARBON      | 1K     | 5% | 1/4W |
| R802     | 1-249-407-11 | CARBON      | 150    | 5% | 1/4W |
| R803     | 1-249-409-11 | CARBON      | 220    | 5% | 1/4W |
| R804     | 1-249-419-11 | CARBON      | 1.5K   | 5% | 1/4W |
| R805     | 1-249-420-11 | CARBON      | 1.8K   | 5% | 1/4W |

## MAIN

## PANEL

## CONTROL SW

## REC VOL

| Ref.No. | Part No.     | Description | Remark                        |
|---------|--------------|-------------|-------------------------------|
| R806    | 1-249-413-11 | CARBON      | 470 5% 1/4W                   |
| R807    | 1-249-411-11 | CARBON      | 330 5% 1/4W                   |
| R808    | 1-249-417-11 | CARBON      | 1K 5% 1/4W                    |
| R809    | 1-249-407-11 | CARBON      | 150 5% 1/4W                   |
| R810    | 1-249-415-11 | CARBON      | 680 5% 1/4W                   |
| R811    | 1-249-409-11 | CARBON      | 220 5% 1/4W                   |
| R812    | 1-249-424-11 | CARBON      | 3.9K 5% 1/4W                  |
| R813    | 1-249-420-11 | CARBON      | 1.8K 5% 1/4W                  |
| R814    | 1-249-418-11 | CARBON      | 1.2K 5% 1/4W                  |
| R815    | 1-249-417-11 | CARBON      | 1K 5% 1/4W                    |
| R816    | 1-247-820-11 | CARBON      | 360 5% 1/4W (UK, E2, AUS)     |
| R817    | 1-249-418-11 | CARBON      | 1.2K 5% 1/4W (AEP, G, IT, E3) |
| R819    | 1-249-407-11 | CARBON      | 150 5% 1/4W (AEP, G, IT, E3)  |
| R820    | 1-249-409-11 | CARBON      | 220 5% 1/4W (AEP, G, IT, E3)  |
| R821    | 1-249-407-11 | CARBON      | 150 5% 1/4W (AEP, G, IT, E3)  |
| R822    | 1-249-411-11 | CARBON      | 330 5% 1/4W (UK, E2, AUS)     |
| R831    | 1-249-411-11 | CARBON      | 330 5% 1/4W (AEP, G, IT, E3)  |
| R832    | 1-249-411-11 | CARBON      | 330 5% 1/4W (AEP, G, IT, E3)  |
| R833    | 1-249-411-11 | CARBON      | 330 5% 1/4W (AEP, G, IT, E3)  |
| R834    | 1-249-409-11 | CARBON      | 220 5% 1/4W                   |
| R835    | 1-249-417-11 | CARBON      | 1K 5% 1/4W                    |
| R836    | 1-249-411-11 | CARBON      | 330 5% 1/4W                   |
| R837    | 1-249-415-11 | CARBON      | 680 5% 1/4W                   |
| R838    | 1-249-413-11 | CARBON      | 470 5% 1/4W                   |
| R839    | 1-249-411-11 | CARBON      | 330 5% 1/4W                   |
| R840    | 1-249-411-11 | CARBON      | 330 5% 1/4W                   |
| R841    | 1-249-409-11 | CARBON      | 220 5% 1/4W                   |
| R842    | 1-247-903-00 | CARBON      | 1M 5% 1/4W                    |
| R843    | 1-249-411-11 | CARBON      | 330 5% 1/4W                   |
| R844    | 1-249-412-11 | CARBON      | 390 5% 1/4W                   |
| R845    | 1-249-420-11 | CARBON      | 1.8K 5% 1/4W                  |
| R846    | 1-249-429-11 | CARBON      | 10K 5% 1/4W                   |
| R850    | 1-249-425-11 | CARBON      | 4.7K 5% 1/4W                  |
| R851    | 1-249-393-11 | CARBON      | 10 5% 1/4W                    |
| R852    | 1-249-435-11 | CARBON      | 33K 5% 1/4W                   |
| R853    | 1-249-421-11 | CARBON      | 2.2K 5% 1/4W                  |
| R854    | 1-249-421-11 | CARBON      | 2.2K 5% 1/4W                  |
| R855    | 1-249-421-11 | CARBON      | 2.2K 5% 1/4W                  |
| R856    | 1-249-421-11 | CARBON      | 2.2K 5% 1/4W                  |
| R857    | 1-249-435-11 | CARBON      | 33K 5% 1/4W                   |
| R858    | 1-247-860-11 | CARBON      | 16K 5% 1/4W                   |
| R859    | 1-249-433-11 | CARBON      | 22K 5% 1/4W                   |
| R860    | 1-249-423-11 | CARBON      | 3.3K 5% 1/4W                  |
| R861    | 1-247-903-00 | CARBON      | 1M 5% 1/4W                    |
| R862    | 1-247-903-00 | CARBON      | 1M 5% 1/4W                    |
| R863    | 1-249-434-11 | CARBON      | 27K 5% 1/4W                   |
| R864    | 1-249-434-11 | CARBON      | 27K 5% 1/4W                   |
| R865    | 1-249-405-11 | CARBON      | 100 5% 1/4W                   |
| R866    | 1-247-862-11 | CARBON      | 20K 5% 1/4W                   |

| Ref.No.               | Part No.     | Description                              | Remark       |
|-----------------------|--------------|------------------------------------------|--------------|
| R867                  | 1-249-425-11 | CARBON                                   | 4.7K 5% 1/4W |
| R868                  | 1-249-425-11 | CARBON                                   | 4.7K 5% 1/4W |
| R869                  | 1-247-862-11 | CARBON                                   | 20K 5% 1/4W  |
| R870                  | 1-249-405-11 | CARBON                                   | 100 5% 1/4W  |
| R871                  | 1-247-872-11 | CARBON                                   | 51K 5% 1/4W  |
| R872                  | 1-247-872-11 | CARBON                                   | 51K 5% 1/4W  |
| R873                  | 1-247-866-11 | CARBON                                   | 30K 5% 1/4W  |
| R874                  | 1-249-437-11 | CARBON                                   | 47K 5% 1/4W  |
| R875                  | 1-249-437-11 | CARBON                                   | 47K 5% 1/4W  |
| R876                  | 1-247-866-11 | CARBON                                   | 30K 5% 1/4W  |
| R877                  | 1-247-872-11 | CARBON                                   | 51K 5% 1/4W  |
| R878                  | 1-247-872-11 | CARBON                                   | 51K 5% 1/4W  |
| R879                  | 1-249-434-11 | CARBON                                   | 27K 5% 1/4W  |
| R880                  | 1-249-432-11 | CARBON                                   | 18K 5% 1/4W  |
| R881                  | 1-249-435-11 | CARBON                                   | 33K 5% 1/4W  |
| R882                  | 1-247-895-00 | CARBON                                   | 470K 5% 1/4W |
| R883                  | 1-247-895-00 | CARBON                                   | 470K 5% 1/4W |
| R884                  | 1-249-435-11 | CARBON                                   | 33K 5% 1/4W  |
| R886                  | 1-249-434-11 | CARBON                                   | 27K 5% 1/4W  |
| R887                  | 1-249-415-11 | CARBON                                   | 680 5% 1/4W  |
| R888                  | 1-249-415-11 | CARBON                                   | 680 5% 1/4W  |
| R889                  | 1-249-429-11 | CARBON                                   | 10K 5% 1/4W  |
| R890                  | 1-249-429-11 | CARBON                                   | 10K 5% 1/4W  |
| R891                  | 1-249-433-11 | CARBON                                   | 22K 5% 1/4W  |
| R892                  | 1-249-429-11 | CARBON                                   | 10K 5% 1/4W  |
| R894                  | 1-249-435-11 | CARBON                                   | 33K 5% 1/4W  |
| R895                  | 1-249-435-11 | CARBON                                   | 33K 5% 1/4W  |
| R896                  | 1-249-435-11 | CARBON                                   | 33K 5% 1/4W  |
| R897                  | 1-249-435-11 | CARBON                                   | 33K 5% 1/4W  |
| R898                  | 1-249-435-11 | CARBON                                   | 33K 5% 1/4W  |
| R899                  | 1-249-407-11 | CARBON                                   | 150 5% 1/4W  |
| < VARIABLE RESISTOR > |              |                                          |              |
| RV101                 | 1-238-600-11 | RES. ADJ. CARBON 10K                     |              |
| RV201                 | 1-238-600-11 | RES. ADJ. CARBON 10K                     |              |
| RV541                 | 1-238-756-21 | RES. VAR. CARBON 20K/20K/20K (REC LEVEL) |              |

## &lt; SWITCH &gt;

|      |              |                              |
|------|--------------|------------------------------|
| S801 | 1-554-303-21 | SWITCH. TACTILE (B FF)       |
| S802 | 1-554-303-21 | SWITCH. TACTILE (B FWD)      |
| S803 | 1-554-303-21 | SWITCH. TACTILE (B REV)      |
| S804 | 1-554-303-21 | SWITCH. TACTILE (B REW)      |
| S805 | 1-554-303-21 | SWITCH. TACTILE (B STOP)     |
| S806 | 1-554-303-21 | SWITCH. TACTILE (B REC)      |
| S807 | 1-554-303-21 | SWITCH. TACTILE (B REC MUTE) |
| S808 | 1-554-303-21 | SWITCH. TACTILE (B PAUSE)    |
| S809 | 1-554-303-21 | SWITCH. TACTILE (A FF)       |
| S810 | 1-554-303-21 | SWITCH. TACTILE (A FWD)      |

## MAIN

## PANEL

## CONTROL SW

## REC VOL

## MD-A

## MD-D

| Ref. No.    | Part No.     | Description                                  | Remark |
|-------------|--------------|----------------------------------------------|--------|
| S811        | 1-554-303-21 | SWITCH, TACTILE (A REV)                      |        |
| S812        | 1-554-303-21 | SWITCH, TACTILE (A REW)                      |        |
| S813        | 1-554-303-21 | SWITCH, TACTILE (A STOP)                     |        |
| S814        | 1-571-452-11 | SWITCH, SLIDE (DIRECTION MODE)               |        |
| S815        | 1-571-452-11 | SWITCH, SLIDE (DOLBY NR)                     |        |
| S816        | 1-554-303-21 | SWITCH, TACTILE (TIME) (AEP,G,IT,E3)         |        |
| S817        | 1-554-303-21 | SWITCH, TACTILE ((NORMAL SPEED) (UK,E2,AUS)  |        |
| S817        | 1-554-303-21 | SWITCH, TACTILE (EDIT) (AEP,G,IT,E3)         |        |
| S818        | 1-554-303-21 | SWITCH, TACTILE (FADE) (AEP,G,IT,E3)         |        |
| S819        | 1-554-303-21 | SWITCH, TACTILE (HIGH SPEED) (UK,E2,AUS)     |        |
| S819        | 1-554-303-21 | SWITCH, TACTILE (C. FADE) (AEP,G,IT,E3)      |        |
| S820        | 1-554-303-21 | SWITCH, TACTILE (NORMAL SPEED) (AEP,G,IT,E3) |        |
| S821        | 1-554-303-21 | SWITCH, TACTILE (HIGH SPEED) (AEP,G,IT,E3)   |        |
| S831        | 1-554-303-21 | SWITCH, TACTILE (A/B)                        |        |
| S832        | 1-554-303-21 | SWITCH, TACTILE (MEMORY)                     |        |
| S833        | 1-554-303-21 | SWITCH, TACTILE (RESET)                      |        |
| S834        | 1-554-303-21 | SWITCH, TACTILE (FADER)                      |        |
| S835        | 1-554-303-21 | SWITCH, TACTILE (SAF)                        |        |
| < CERAMIC > |              |                                              |        |
| X831        | 1-577-101-11 | VIBRATOR, CERAMIC (4.19MHz) (UK,E2,AUS)      |        |
| X831        | 1-567-775-11 | VIBRATOR, CERAMIC (4.19MHz) (AEP,G,IT,E3)    |        |
| X851        | 1-577-358-21 | VIBRATOR, CERAMIC (4MHz)                     |        |
| X852        | 1-577-358-21 | VIBRATOR, CERAMIC (4MHz)                     |        |

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\* 1-634-840-11 MD-A BOARD  
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## &lt; CAPACITOR &gt;

|     |              |       |         |     |     |
|-----|--------------|-------|---------|-----|-----|
| C11 | 1-110-342-11 | MYLAR | 390PF   | 5%  | 50V |
| C12 | 1-136-157-00 | FILM  | 0.022uF | 5%  | 50V |
| C13 | 1-124-282-00 | ELECT | 22uF    | 20% | 25V |
| C21 | 1-110-342-11 | MYLAR | 390PF   | 5%  | 50V |
| C22 | 1-136-157-00 | FILM  | 0.022uF | 5%  | 50V |
| C23 | 1-124-282-00 | ELECT | 22uF    | 20% | 25V |
| C31 | 1-124-443-00 | ELECT | 100uF   | 20% | 10V |
| C32 | 1-124-443-00 | ELECT | 100uF   | 20% | 10V |
| C71 | 1-124-907-11 | ELECT | 10uF    | 20% | 50V |
| C72 | 1-124-907-11 | ELECT | 10uF    | 20% | 50V |

## &lt; CONNECTOR &gt;

|       |                |                                |
|-------|----------------|--------------------------------|
| CNP31 | * 1-568-824-11 | SOCKET, CONNECTOR 5P           |
| CNP32 | * 1-564-706-11 | PIN, CONNECTOR (SMALL TYPE) 4P |
| CNP71 | * 1-564-705-11 | PIN, CONNECTOR (SMALL TYPE) 3P |
| CNP72 | * 1-564-706-11 | PIN, CONNECTOR (SMALL TYPE) 4P |
| CNP73 | * 1-568-826-11 | SOCKET, CONNECTOR 7P           |

| Ref. No.       | Part No.     | Description          | Remark       |
|----------------|--------------|----------------------|--------------|
| < IC >         |              |                      |              |
| IC31           | 8-759-111-44 | IC uPC4570C-1        |              |
| < TRANSISTOR > |              |                      |              |
| Q71            | 8-729-820-16 | TRANSISTOR 2SA1317-S |              |
| < RESISTOR >   |              |                      |              |
| R11            | 1-247-881-00 | CARBON               | 120K 5% 1/4W |
| R12            | 1-249-405-11 | CARBON               | 100 5% 1/4W  |
| R13            | 1-247-882-11 | CARBON               | 130K 5% 1/4W |
| R14            | 1-249-426-11 | CARBON               | 5.6K 5% 1/4W |
| R21            | 1-247-881-00 | CARBON               | 120K 5% 1/4W |
| R22            | 1-249-405-11 | CARBON               | 100 5% 1/4W  |
| R23            | 1-247-882-11 | CARBON               | 130K 5% 1/4W |
| R24            | 1-249-426-11 | CARBON               | 5.6K 5% 1/4W |
| R31            | 1-249-409-11 | CARBON               | 220 5% 1/4W  |
| R32            | 1-249-409-11 | CARBON               | 220 5% 1/4W  |
| R71            | 1-247-864-11 | CARBON               | 24K 5% 1/4W  |
| R72            | 1-249-433-11 | CARBON               | 22K 5% 1/4W  |
| R73            | 1-249-437-11 | CARBON               | 47K 5% 1/4W  |
| R74            | 1-249-437-11 | CARBON               | 47K 5% 1/4W  |

## &lt; VARIABLE RESISTOR &gt;

|      |              |                      |
|------|--------------|----------------------|
| RV11 | 1-238-597-11 | RES. ADJ. CARBON 1K  |
| RV21 | 1-238-597-11 | RES. ADJ. CARBON 1K  |
| RV71 | 1-238-600-11 | RES. ADJ. CARBON 10K |
| RV72 | 1-238-600-11 | RES. ADJ. CARBON 10K |

\*\*\*\*\*

\* A-2006-305-A MD-D BOARD, COMPLETE  
\*\*\*\*\*

## &lt; CAPACITOR &gt;

|     |              |         |          |     |      |
|-----|--------------|---------|----------|-----|------|
| C11 | 1-110-342-11 | MYLAR   | 390PF    | 5%  | 50V  |
| C12 | 1-136-157-00 | FILM    | 0.022uF  | 5%  | 50V  |
| C13 | 1-124-282-00 | ELECT   | 22uF     | 20% | 25V  |
| C21 | 1-110-342-11 | MYLAR   | 390PF    | 5%  | 50V  |
| C22 | 1-136-157-00 | FILM    | 0.022uF  | 5%  | 50V  |
| C23 | 1-124-282-00 | ELECT   | 22uF     | 20% | 25V  |
| C31 | 1-124-443-00 | ELECT   | 100uF    | 20% | 10V  |
| C32 | 1-124-443-00 | ELECT   | 100uF    | 20% | 10V  |
| C33 | 1-124-119-00 | ELECT   | 330uF    | 20% | 16V  |
| C51 | 1-136-230-00 | FILM    | 0.0022uF | 5%  | 100V |
| C52 | 1-136-230-00 | FILM    | 0.0022uF | 5%  | 100V |
| C53 | 1-130-856-00 | FILM    | 0.0068uF | 5%  | 100V |
| C54 | 1-136-601-11 | FILM    | 0.01uF   | 5%  | 630V |
| C55 | 1-161-494-00 | CERAMIC | 0.022uF  |     | 25V  |
| C56 | 1-126-157-11 | ELECT   | 10uF     | 20% | 16V  |

MD-D

SW-A

SW-B

| Ref. No. | Part No.     | Description     | Remark  |
|----------|--------------|-----------------|---------|
| C57      | 1-162-294-31 | CERAMIC 0.001uF | 10% 50V |
| C71      | 1-124-907-11 | ELECT 10uF      | 20% 50V |
| C72      | 1-124-907-11 | ELECT 10uF      | 20% 50V |

## &lt; CONNECTOR &gt;

CNP31 \* 1-568-824-11 SOCKET, CONNECTOR 5P  
 CNP32 \* 1-564-709-11 PIN, CONNECTOR (SMALL TYPE) 7P  
 CNP34 \* 1-565-344-11 PIN, CONNECTOR (PC BOARD) 8P  
 CNP71 \* 1-564-705-11 PIN, CONNECTOR (SMALL TYPE) 3P  
 CNP72 \* 1-564-706-11 PIN, CONNECTOR (SMALL TYPE) 4P  
 CNP73 \* 1-568-826-11 SOCKET, CONNECTOR 7P

## &lt; DIODE &gt;

D31 8-719-107-94 DIODE 1SS202-1

## &lt; IC &gt;

IC31 8-759-111-44 IC uPC4570C-1

## &lt; TRANSISTOR &gt;

Q51 8-729-142-46 TRANSISTOR 2SC2001-LK  
 Q52 8-729-142-46 TRANSISTOR 2SC2001-LK  
 Q53 8-729-111-29 TRANSISTOR 2SD1616A-K  
 Q71 8-729-820-16 TRANSISTOR 2SA1317-S

## &lt; RESISTOR &gt;

R11 1-247-881-00 CARBON 120K 5% 1/4W  
 R12 1-249-405-11 CARBON 100 5% 1/4W  
 R13 1-247-882-11 CARBON 130K 5% 1/4W  
 R14 1-249-426-11 CARBON 5.6K 5% 1/4W  
 R21 1-247-881-00 CARBON 120K 5% 1/4W

R22 1-249-405-11 CARBON 100 5% 1/4W  
 R23 1-247-882-11 CARBON 130K 5% 1/4W  
 R24 1-249-426-11 CARBON 5.6K 5% 1/4W  
 R31 1-249-409-11 CARBON 220 5% 1/4W  
 R32 1-249-409-11 CARBON 220 5% 1/4W

R51 1-249-441-11 CARBON 100K 5% 1/4W  
 R52 1-249-441-11 CARBON 100K 5% 1/4W  
 R54 1-212-849-00 FUSIBLE 4.7 5% 1/4W F  
 R71 1-247-864-11 CARBON 24K 5% 1/4W  
 R72 1-249-433-11 CARBON 22K 5% 1/4W

R73 1-249-437-11 CARBON 47K 5% 1/4W  
 R74 1-249-437-11 CARBON 47K 5% 1/4W

## &lt; VARIABLE RESISTOR &gt;

RV11 1-238-597-11 RES. ADJ. CARBON 1K  
 RV21 1-238-597-11 RES. ADJ. CARBON 1K  
 RV71 1-238-600-11 RES. ADJ. CARBON 10K  
 RV72 1-238-600-11 RES. ADJ. CARBON 10K

| Ref. No. | Part No. | Description | Remark |
|----------|----------|-------------|--------|
|          |          | < RELAY >   |        |

RY31 1-515-726-11 RELAY

## &lt; TRANSFORMER &gt;

T51 1-433-376-11 TRANSFORMER, BIAS OSCILLATION

\*\*\*\*\*

\* 1-634-841-11 SW-A BOARD  
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3-343-419-01 HOLDER (S SENSER A)

## &lt; CONNECTOR &gt;

CNP81 \* 1-568-852-11 SOCKET, CONNECTOR 9P

## &lt; IC &gt;

IC81 8-719-710-03 PHOTO REFLECTOR NJL5165K-B

## &lt; RESISTOR &gt;

R84 1-249-417-11 CARBON 1K 5% 1/4W  
 R85 1-249-408-11 CARBON 180 5% 1/4W

## &lt; SWITCH &gt;

S81 1-571-958-11 SWITCH, PUSH (1 KEY) (STOP)  
 S82 1-571-281-21 SWITCH, LEAF (70EQ)  
 S86 1-571-281-21 SWITCH, LEAF (HALF)

\*\*\*\*\*

\* 1-634-841-11 SW-B BOARD  
 \*\*\*\*\*

3-343-419-01 HOLDER (S SENSER A)

## &lt; CONNECTOR &gt;

CNP81 \* 1-568-852-11 SOCKET, CONNECTOR 9P

## &lt; IC &gt;

IC81 8-719-710-03 PHOTO REFLECTOR NJL5165K-B  
 IC82 8-719-710-03 PHOTO REFLECTOR NJL5165K-B

## &lt; RESISTOR &gt;

R81 1-249-414-11 CARBON 560 5% 1/4W  
 R82 1-247-818-11 CARBON 300 5% 1/4W  
 R83 1-247-834-11 CARBON 1.3K 5% 1/4W  
 R84 1-249-417-11 CARBON 1K 5% 1/4W  
 R85 1-249-408-11 CARBON 180 5% 1/4W  
 R86 1-249-408-11 CARBON 180 5% 1/4W

**SW-B**

| Ref. No. | Part No. | Description | Remark |
|----------|----------|-------------|--------|
| -----    | -----    | -----       | -----  |

&lt; SWITCH &gt;

|     |              |                             |  |
|-----|--------------|-----------------------------|--|
| S81 | 1-571-958-11 | SWITCH, PUSH (1 KEY) (STOP) |  |
| S82 | 1-571-281-21 | SWITCH, LEAF (70EQ)         |  |
| S83 | 1-571-281-21 | SWITCH, LEAF (METAL)        |  |
| S84 | 1-571-281-21 | SWITCH, LEAF (REC A)        |  |
| S85 | 1-571-281-21 | SWITCH, LEAF (REC B)        |  |
| S86 | 1-571-281-21 | SWITCH, LEAF (HALF)         |  |

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## MISCELLANEOUS

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|        |                |                           |  |
|--------|----------------|---------------------------|--|
| 71     | * 1-574-727-11 | WIRE, FLAT TYPE (9 CORE)  |  |
| 72     | 1-575-220-11   | WIRE, FLAT TYPE (5 CORE)  |  |
| 73     | 1-590-036-11   | WIRE, FLAT TYPE (13 CORE) |  |
| 74     | 1-575-217-11   | WIRE, FLAT TYPE (15 CORE) |  |
| 77     | 1-575-731-11   | WIRE, FLAT TYPE (7 CORE)  |  |
| 78     | 1-590-218-11   | WIRE, FLAT TYPE (11 CORE) |  |
| HE901  | A-2003-477-A   | BASE ASSY, HEAD (DECK B)  |  |
| HP901  | A-2003-867-A   | BASE ASSY, HEAD (DECK A)  |  |
| HRP901 | A-2003-477-A   | BASE ASSY, HEAD (DECK B)  |  |
| M901   | X-3359-417-1   | MOTOR (CAPSTAN) ASSY      |  |

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## ACCESSORY &amp; PACKING MATERIAL

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\* 3-350-154-01 CUSHION  
 \* 3-704-350-01 SHEET (STANDARD), PROTECTION

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**HARDWARE LIST**

|     |              |                            |
|-----|--------------|----------------------------|
| # 1 | 7-685-646-79 | SCREW +BVTP 3X8 TYPE2 N-S  |
| # 2 | 7-682-547-04 | SCREW +BVTT 3X6 (S)        |
| # 3 | 7-685-134-19 | SCREW +BTP 2.6X8 TYPE2 N-S |
| # 4 | 7-621-773-93 | SCREW (PANEL 2.6 TP2)      |
| # 5 | 7-627-556-08 | SCREW +P 2.6X2.8           |
| # 6 | 7-621-775-00 | SCREW +B 2.6X3             |
| # 7 | 7-682-548-09 | SCREW +BVTT 3X8 (S)        |

**Sony Corporation**  
**Audio Group**

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