

# Service Manual

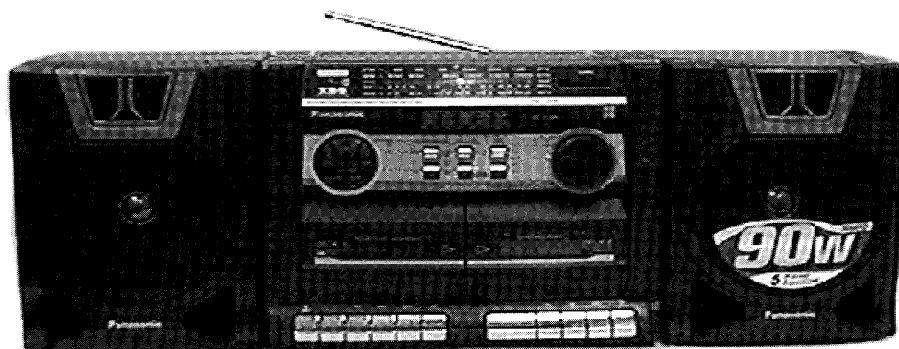
Portable Stereo Component System

Radio Cassette

## RX-CT850

Colour

(K) ..... Black Type



### Area

| Suffix for Model No. | Area               | Colour |
|----------------------|--------------------|--------|
| (GC)                 | Middle Near East   | (K)    |
| (GU)                 | Latin America/Asia |        |

## TAPE DECK : SG20W MECHANISM SERIES

### ■ Specifications

#### ■ Radio Section

##### Radio Frequency Range

|     |                |
|-----|----------------|
| FM  | 88 ~ 108 MHz   |
| MW  | 530 ~ 1605 kHz |
| SW1 | 2.3 ~ 7.0 MHz  |
| SW2 | 7.0 ~ 22.0 MHz |

##### Intermediate Frequency

|    |          |
|----|----------|
| FM | 10.7 MHz |
| AM | 455 kHz  |

##### Sensitivity

|     |               |
|-----|---------------|
| FM  | 9 dB/50 mW    |
| MW  | 40 dB/m/50 mW |
| SW1 | 40 dB/m/50 mW |
| SW2 | 26 dB/50 mW   |

#### ■ Tape Recorder

##### Frequency Response

60 ~ 14000 Hz

##### Recording System

Normal AC bias

##### Erasing System

Magnet

##### Tape Speed

4.8 cm/s

##### Monitor System

Variable sound monitor

##### Track System

4-track 2-channel stereo

#### ■ General

##### Power Requirement

AC

110~127, 220~240 V, 50/60 Hz

(Don not use rechargeable type batteries)

12 V (Eight R20/LR20, D, UM-1 batteries)

Battery

DC IN

12 - 13.2 V

##### Power Consumption

20 W

##### Power Output

90 W ..... PMPO

##### Speaker

2 Woofers; 12 cm

2 Tweeter; 1.5 cm

##### Jacks

Output

SPEAKERS; 8 Ω

HEADPHONES; 32 Ω

602 x 225 x 207 mm

Main unit: 283 x 225 x 207 mm

Speaker box: 169 x 224 x 204 mm

5.3 kg without batteries.

##### Dimensions (W x H x D)

##### Weight

##### Notes :

1. Weights and dimensions shown are approximate.
2. Design and specifications are subject to change without notice.

### ⚠ WARNING

This service information is designed for experience repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product. Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

# Panasonic®

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## BEFORE USE

### [FOR (GC) area]

Be sure to disconnect the mains cord before adjusting the voltage selector.

Use a minus(-) screwdriver to set the voltage selector (on the rear panel) to the voltage setting for the area in which the unit will be used. (If the power supply in your area is 117V or 120V, set to the "127V" position.)

Note that this unit will be seriously damaged if this setting is not made correctly. (There is no voltage selector for some countries; the correct voltage is already set.)

## Operation Checks and Main Component Replacement Procedures

" **ATTENTION SERVICER** " Some chassis component may have sharp edges. Be careful when disassembling and servicing.

1. This section describes procedures for checking the operation of the major printed circuit boards and replacing the main components.
2. For reassembly after operation checks or replacement, reverse the respective procedures. Special reassembly procedures are described only when required.
3. Select items from the following index when checks or replacement are required.

### Contents

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| • Disassembly of the Front Cabinet .....                                       | 2     |
| • Checking Procedure for Main, Panel, Mechanism, Power And Battery P.C.B ..... | 3 ~ 4 |

## Disassembly Of The Front Cabinet

### Step 1

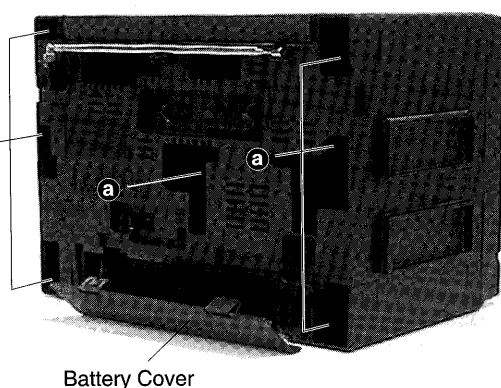
Remove the battery Cover.



[XTV3+20G] (Brass)

### Step 2

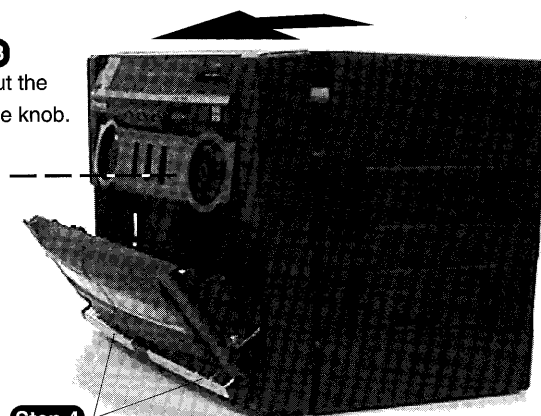
a x 7



Battery Cover

### Step 3

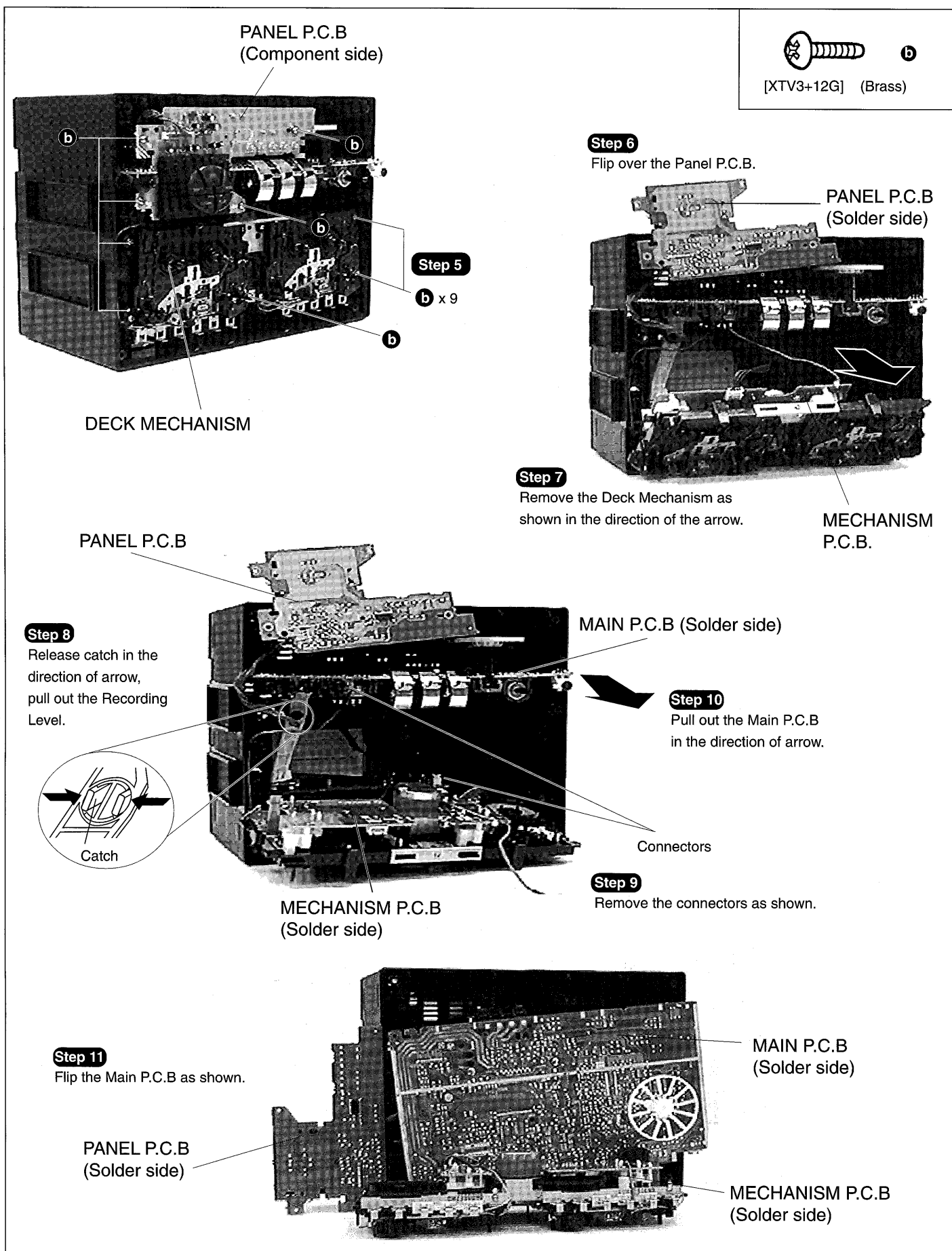
Pull out the Volume knob.



### Step 4

Press the Eject button and remove the front cabinet in the direction of the arrow shown.

# ■ Checking Procedure For Main, Panel, Mechanism And Power P.C.B.





C

[XTV3+10G] (Brass)

Step 14

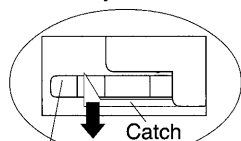
b x 4 b

Step 15

c x 2

Step 13

Release the catch on the bottom side of the cabinet. Pull out Battery P.C.B-1.

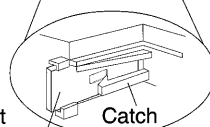


BATTERY P.C.B-1

POWER P.C.B

Step 12

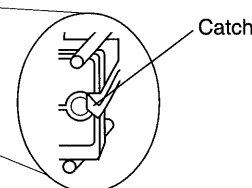
Release the catch and pull out the Battery P.C.B-2.



BATTERY P.C.B-2

Step 16

Release the catch in the direction of arrow. Pull out the Power P.C.B, flip it over as shown below.



MECHANISM P.C.B  
(Solder side)

MAIN P.C.B  
(Solder side)

POWER P.C.B  
(Solder side)

BATTERY P.C.B-2  
(Solder side)

PANEL P.C.B  
(Solder side)

BATTERY P.C.B-1  
(Solder side)

## ■ Measurements and Adjustments

### ● Tuner Section

### ● ALIGNMENT INSTRUCTIONS

#### READ CAREFULLY BEFORE ATTEMPTING ALIGNMENT

- |                                                                                                                                                              |                                                                                                                                                                            |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. Set power source voltage to 12V DC.<br>2. Set volume control to maximum.<br>3. Set band switch to FM, MW, SW1 or SW2.<br>4. Set selector switch to RADIO. | 5. Set EDIT/FM MODE/BP switch to MONO/I.<br>6. Set FINE TUNING to center.<br>7. Output of signal generator should be no higher than necessary to obtain an output reading. |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### ● AM - IF ALIGNMENT

| SIGNAL GENERATOR or SWEEP GENERATOR                                               |                                 | RADIO DIAL SETTING                          | INDICATOR (ELECTRONIC VOLTMETER or OSCILLOSCOPE)                                                                                          | ADJUSTMENT (Shown in Fig.1) | REMARKS                    |
|-----------------------------------------------------------------------------------|---------------------------------|---------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|----------------------------|
| CONNECTIONS                                                                       | FREQUENCY                       |                                             |                                                                                                                                           |                             |                            |
| Fashion a loop of several turns of wire and radiate signal into loop of receiver. | 455 kHz<br>30% Mod.<br>at 400Hz | Point of non-interference.(on/about 600kHz) | Headphone Jack (32Ω)<br>( Fabricate the plug as shown in Fig.2 and then connect the lead wires of the plug to the measuring instrument. ) | T2<br>(AM IFT)              | Adjust for maximum output. |

### ● MW - RF ALIGNMENT

|   |                                                   |                                |   |                             |                                                                                         |
|---|---------------------------------------------------|--------------------------------|---|-----------------------------|-----------------------------------------------------------------------------------------|
| " | (GU).....511 kHz<br>(GC).....514 kHz<br>± 3 kHz   | Tuning capacitor fully closed. | " | L8<br>(MW OSC. Coil)        | Adjust for maximum output.                                                              |
| " | (GU).....1650 kHz<br>(GC).....1639 kHz<br>± 5 kHz | Tuning capacitor fully opened. | " | CT3<br>(MW ANT. Trimmer)    | Adjust for maximum output.                                                              |
| " | 550 kHz                                           | Tune to signal                 | " | [*1] L3-1<br>(MW ANT. Coil) | Adjust for maximum output.<br>Adjust L3-1 by moving coil bobbin along the ferrite core. |
| " | 1500 kHz                                          | Tune to signal                 | " | CT2<br>(MW ANT. Trimmer)    | Adjust for maximum output.                                                              |

[\*1] Fix antenna coil with wax after completing alignment.

### ● SW1 - RF ALIGNMENT

|   |           |                                |   |                              |                                                                                         |
|---|-----------|--------------------------------|---|------------------------------|-----------------------------------------------------------------------------------------|
| " | 2.249 MHz | Tuning capacitor fully closed. | " | L9<br>(SW1 OSC. Coil)        | Adjust for maximum output.                                                              |
| " | 7.231 MHz | Tuning capacitor fully opened. | " | VC1-3<br>(SW1 ANT. VC1)      | Adjust for maximum output.                                                              |
| " | 2.3 MHz   | Tune to signal                 | " | [*1] L3-2<br>(SW1 ANT. Coil) | Adjust for maximum output.<br>Adjust L3-2 by moving coil bobbin along the ferrite core. |
| " | 7.0 MHz   | Tune to signal                 | " | VC1-4<br>(SW1 ANT. VC1)      | Adjust for maximum output.                                                              |

[\*1] Fix antenna coil with wax after completing alignment.

### ● SW2 - RF ALIGNMENT

| SIGNAL GENERATOR or SWEEP GENERATOR                                                                         |           | RADIO DIAL SETTING             | INDICATOR (ELECTRONIC VOLTMETER or OSCILLOSCOPE)                                                                                        | ADJUSTMENT (Shown in Fig.1) | REMARKS                    |
|-------------------------------------------------------------------------------------------------------------|-----------|--------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|----------------------------|
| CONNECTIONS                                                                                                 | FREQUENCY |                                |                                                                                                                                         |                             |                            |
| Connect to test point <b>TP1</b> through ceramic capacitor (10pF). Negative side to test point <b>TP2</b> . | 6.84 MHz  | Tuning capacitor fully closed. | Headphone Jack (32Ω)<br>(Fabricate the plug as shown in Fig.2 and then connect the lead wires of the plug to the measuring instrument.) | L10<br>(SW2 OSC. Coil)      | Adjust for maximum output. |
|                                                                                                             | 22.80 MHz | Tuning capacitor fully opened. | "                                                                                                                                       | CT5<br>(SW2 OSC. Trimmer)   | Adjust for maximum output. |
|                                                                                                             | 7.0 MHz   | Tune to signal                 | "                                                                                                                                       | L7<br>(SW2 ANT. Coil)       | Adjust for maximum output. |

### ● FM - IF ALIGNMENT

|                                                                                                      |                  |                                             |                                                                                                 |                    |                              |
|------------------------------------------------------------------------------------------------------|------------------|---------------------------------------------|-------------------------------------------------------------------------------------------------|--------------------|------------------------------|
| Connect to test point <b>TP1</b> through ceramic capacitor. Negative side to test point <b>TP2</b> . | 10.7 MHz (Sweep) | Point of non-interference. (on/about 90MHz) | Connect vert. amp. of scope to test point <b>TP3</b> . Negative side to test point <b>TP4</b> . | T1<br>(FM 1st IFT) | Waveform is shown in Fig. 3. |
| "                                                                                                    | "                | "                                           | "                                                                                               | T3<br>(FM 2nd IFT) | Waveform is shown in Fig. 4. |

### ● FM - RF ALIGNMENT

|                                                                                                     |                                                    |                                  |                                                                                                                                         |                        |                                      |
|-----------------------------------------------------------------------------------------------------|----------------------------------------------------|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|------------------------|--------------------------------------|
| Connect to test point <b>TP1</b> through FM dummy antenna. Negative side to test point <b>TP2</b> . | (GU)....86.2 MHz<br>(GC)....87.35 MHz<br>± 50 kHz  | Variable capacitor fully closed. | Headphone Jack (32Ω)<br>(Fabricate the plug as shown in Fig.2 and then connect the lead wires of the plug to the measuring instrument.) | L2<br>(FM OSC. Coil)   | Adjust for maximum output.<br>[ *2 ] |
|                                                                                                     | (GU)....109.2 MHz<br>(GC)....108.3 MHz<br>± 70 kHz | Variable capacitor fully opened. | "                                                                                                                                       | VC1-1<br>(FM OSC. VC1) | "                                    |
|                                                                                                     | 106 MHz                                            | Tune to signal                   | "                                                                                                                                       | VC1-2<br>(FM ANT. VC1) | Adjust for maximum output.           |

[ \*2 ] three output responses will be present; proper tuning is the center frequency.

## ● Cassette Deck Section

### ● ALIGNMENT INSTRUCTIONS

| READ CAREFULLY BEFORE ATTEMPTING ALIGNMENT                                                                                                                                                                                     |                                                                                                                                                                                                                                     |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Measuring Instruments</b> <ul style="list-style-type: none"> <li>Digital frequency counter</li> </ul>                                                                                                                       | <b>Measuring Conditions</b> <ul style="list-style-type: none"> <li>Make sure the heads are clean.</li> <li>Make sure the capstan and pressure rollers are clean.</li> <li>Tape-to-tape recording speed selector : NORMAL</li> </ul> |
| <b>Test Tape</b> <ul style="list-style-type: none"> <li>Tape speed adjustment ( 3 kHz, - 10 dB ) : QZZCWAT</li> </ul> <p>Note : No Azimuth Head Alignment is required due to Aztec Head is used in the cassette mechanism.</p> |                                                                                                                                                                                                                                     |

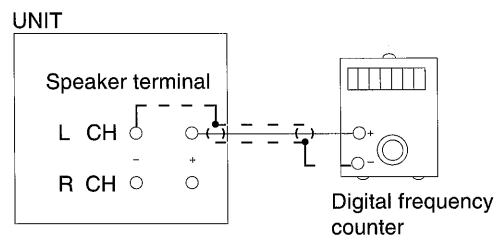
### ● TAPE SPEED ALIGNMENT (DECK 1, 2)

Normal speed (Standard Value : 3000 ± 90 Hz...Deck 1, 2)  
High speed (standard Value : 5100 Hz~)

- Test equipment connection is shown in figure.
- Set the unit to "TAPE" position.
- Playback the middle part of the test tape (QZZCWAT) in deck 2.
- Adjust **VR501** for the output value shown below. (Fig. 5)
- Playback the middle part of the test tape (QZZCWAT) in deck 1.
- Repeat step 4.
- Set the unit to "HIGH" speed position.
- Place the cassette deck into the REC mode (DECK 1) and the PLAY mode (DECK 2).
- Repeat step 4.

Note:

The normal speed adjustment must be done before the high speed adjustment.



Adjustment Target : 3000 ± 90 Hz ... Normal Speed (Deck 1, 2)  
Adjustment Target : 5100 Hz ~ ... High speed

## ● ALIGNMENT POINTS

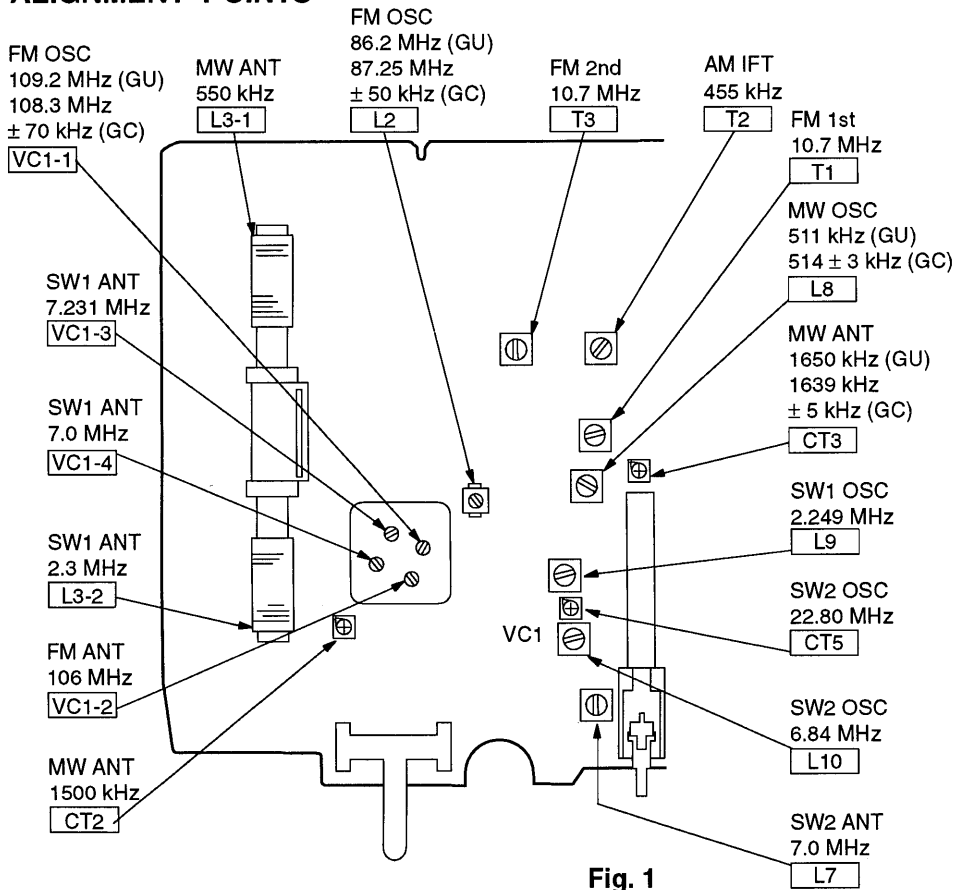


Fig. 1

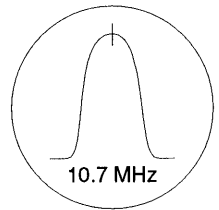


Fig. 3

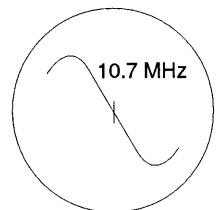


Fig. 4

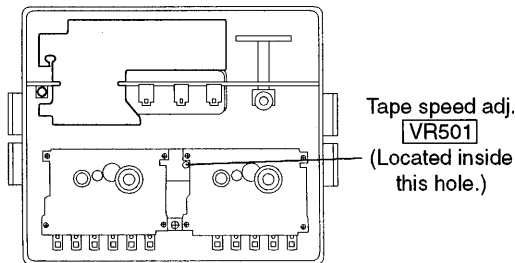


Fig. 5

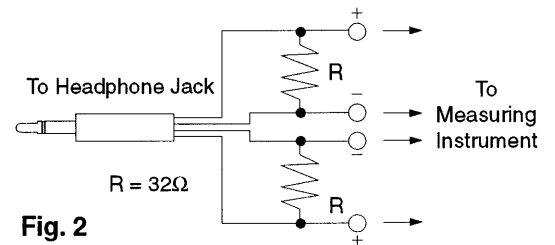
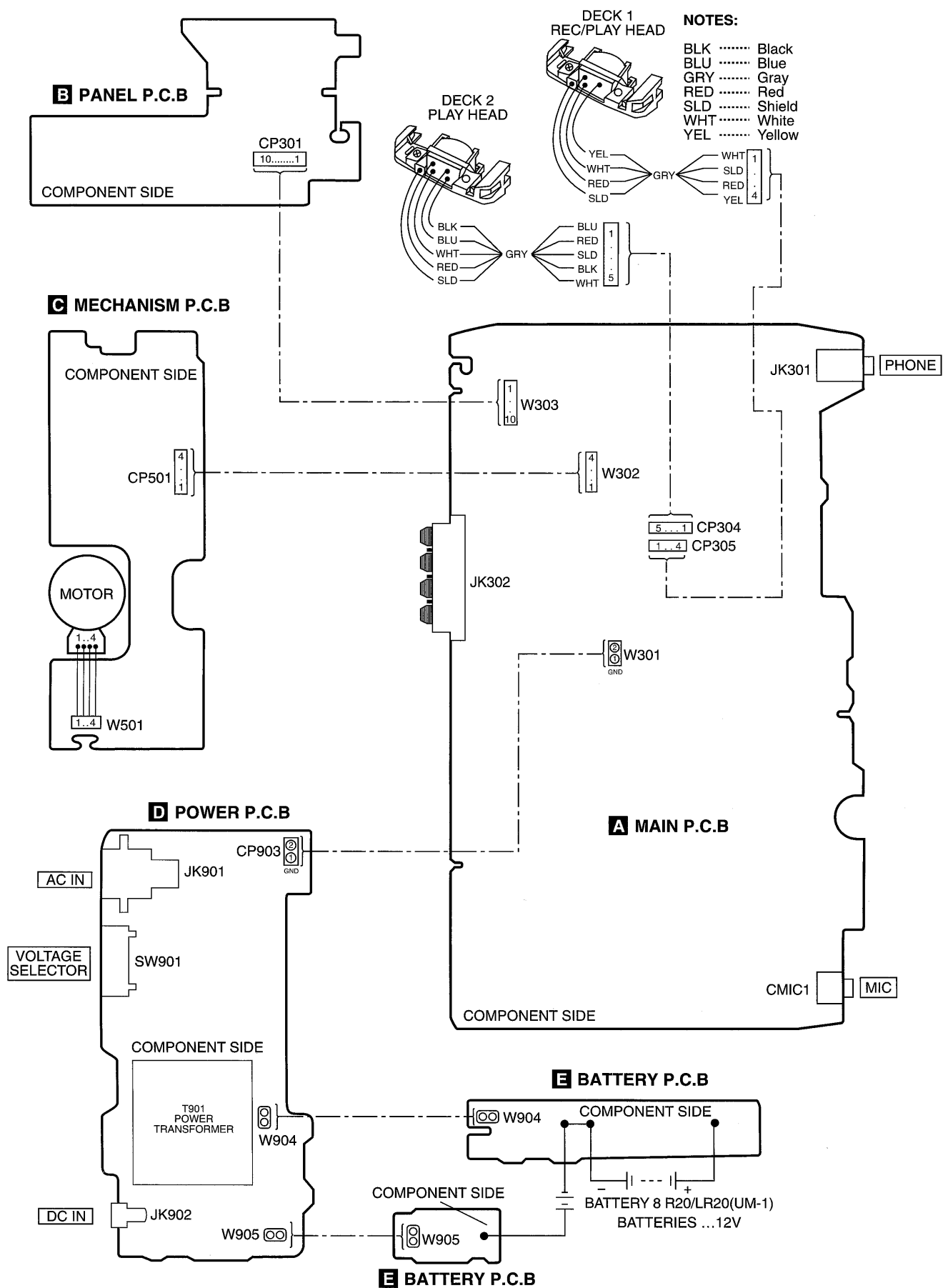


Fig. 2

## ■ Terminal Guide of IC's , Transistors and Doides

|                                                                    |                       |                       |                     |                                                                                                                               |
|--------------------------------------------------------------------|-----------------------|-----------------------|---------------------|-------------------------------------------------------------------------------------------------------------------------------|
| <b>AN7317</b><br>                                                  | <b>LA1805</b><br>     | <b>AN8802</b><br>     | <b>LA4625</b><br>   | <b>2SA564RTA</b><br><b>2SC1684STA</b><br><b>2SC2001LTA</b><br><b>2SC829BTA</b><br><b>2SD592AQRSTA</b><br><b>2SK301QTA</b><br> |
| <b>2SC1740SRTA</b><br>                                             | <b>2SD1450STA</b><br> | <b>1N5402BM21</b><br> | <b>1SS254TA</b><br> | <b>MTZJ6R8BTA</b><br><b>MTZJ9R1BTA</b><br><b>RB441QT-77</b><br>                                                               |
| <b>SLR325VCT31</b><br><b>SLR325DCT31</b><br><b>SLR325MCT31</b><br> |                       |                       |                     |                                                                                                                               |

## ■ Wiring Connection Diagram



## ■ Schematic Diagram

(All schematic diagrams may be modified at any time with the development of new technology)

### Note :

|        |   |                                 |         |   |                               |
|--------|---|---------------------------------|---------|---|-------------------------------|
| • S352 | : | Preset equalizer switch (VOCAL) | • S901  | : | AC/DC selector switch (JK901) |
| • S353 | : | Preset equalizer switch (FLAT)  | • SW1   | : | SELECTOR switch               |
| • S354 | : | Preset equalizer switch (CLEAR) | • SW2   | : | EDIT/FM MODE/BP switch        |
| • S355 | : | Preset equalizer switch (SOFT)  | • SW3   | : | BAND select switch            |
| • S356 | : | Preset equalizer switch (XBS)   | • SW4   | : | R/P switch                    |
| • S501 | : | Left Motor switch               | • SW901 | : | Voltage selector switch       |
| • S502 | : | Right Motor switch              | • VR301 | : | Volume control VR.            |
|        |   |                                 | • VR501 | : | FM MPX adjustment VR.         |

### • Battery current :

Vol. min. .... 390 mA (FM)  
390 mA (AM)  
458 mA (TAPE)

Vol. max. .... 683 mA (FM)  
685 mA (AM)  
872 mA (TAPE)

### Measurement Instruction

( AM : 74 dB/m , 30% Mod.  
FM : 60 dB/m , 30% Mod.  
TAPE : 315 Hz , 0 dB )

### • Signal line

 : +B line

 : Main signal line

 : Record signal line

 : AM signal line

 : AM OSC signal line

 : FM/AM signal line

 : FM signal line

 : FM OSC signal line

 : Playback signal line

•The voltage value and waveforms are the reference voltage of this unit measured by DC electronic voltmeter (high impedance) and oscilloscope on the basis of chassis.  
Accordingly, there may arise some error in voltage values and waveforms depending upon the internal impedance of the tester or the measuring unit.

( ) ..... AM

< > ..... FM

No mark : Playback

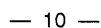
<< >> ..... Rec

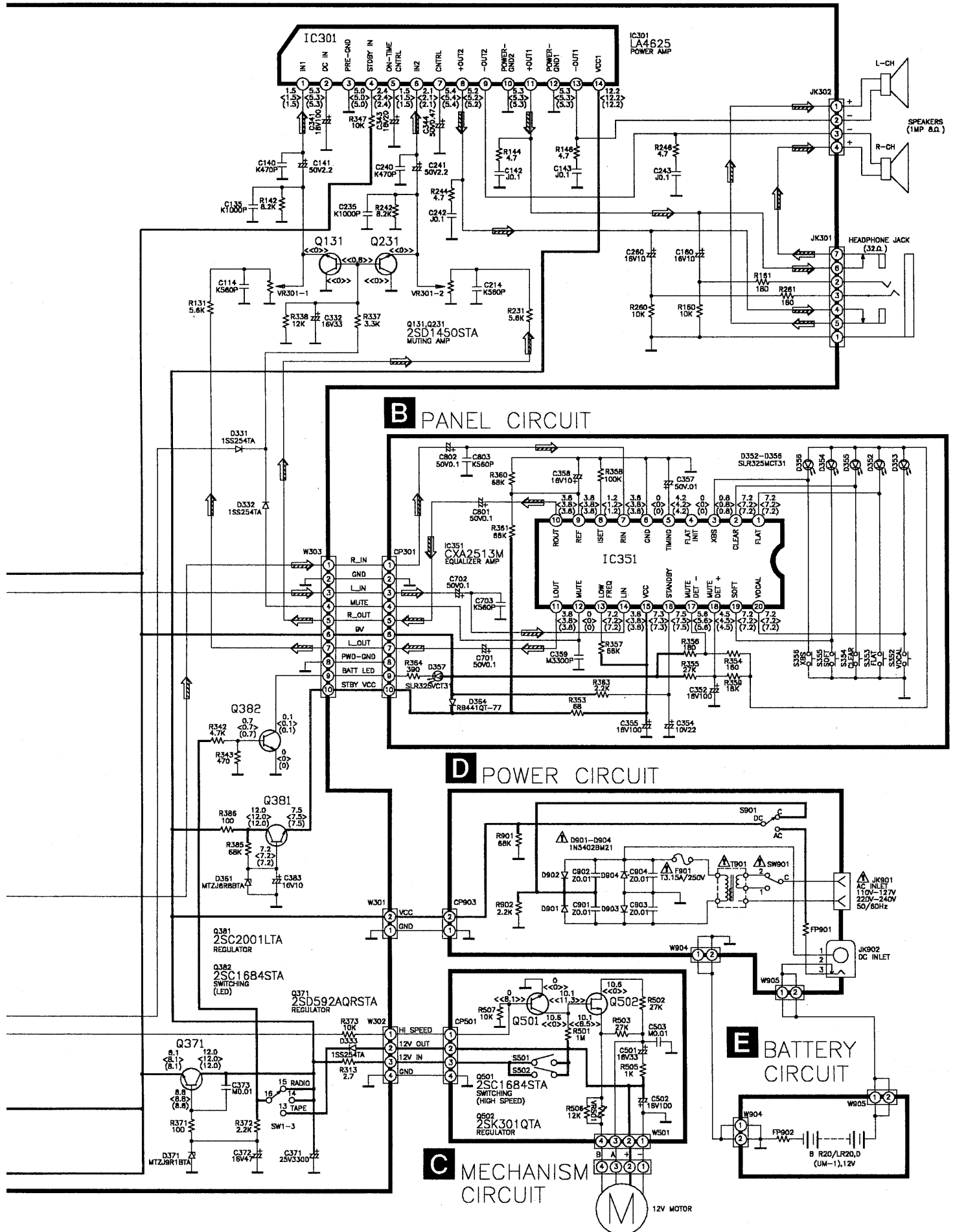
### •Importance safety notice:

Components identified by ! mark have special characteristics important for safety. Furthermore, special parts which have purposes of fire-retardant (resistors), high-quality sound (capacitors), low-noise (resistors), etc. are used. When replacing any of components, be sure to use only manufacturer's specified parts shown in the parts list.

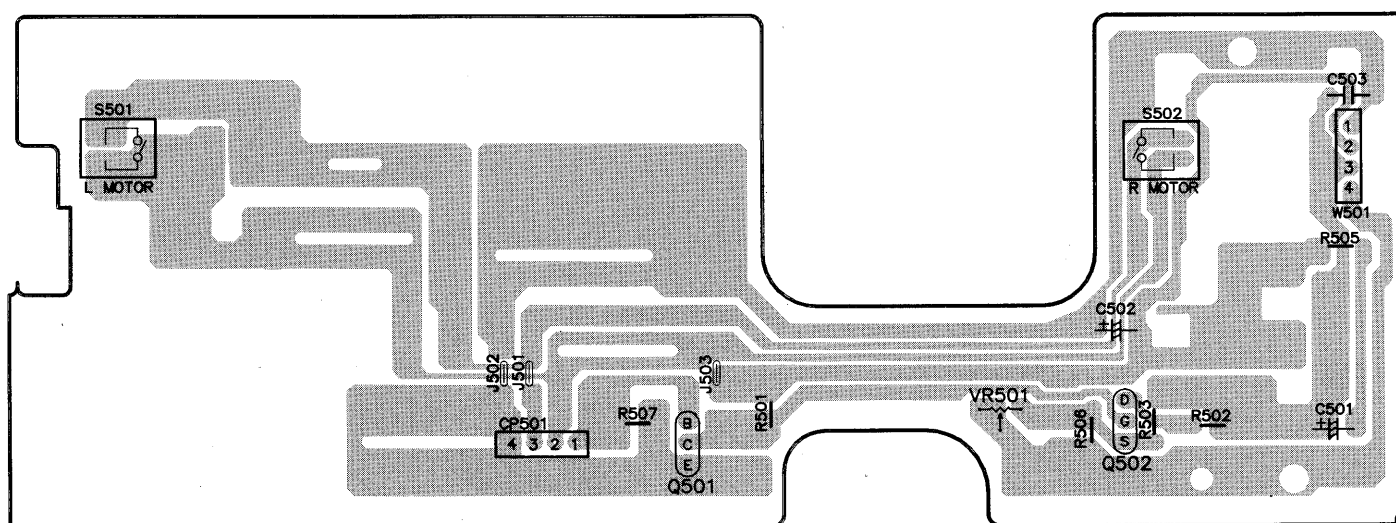
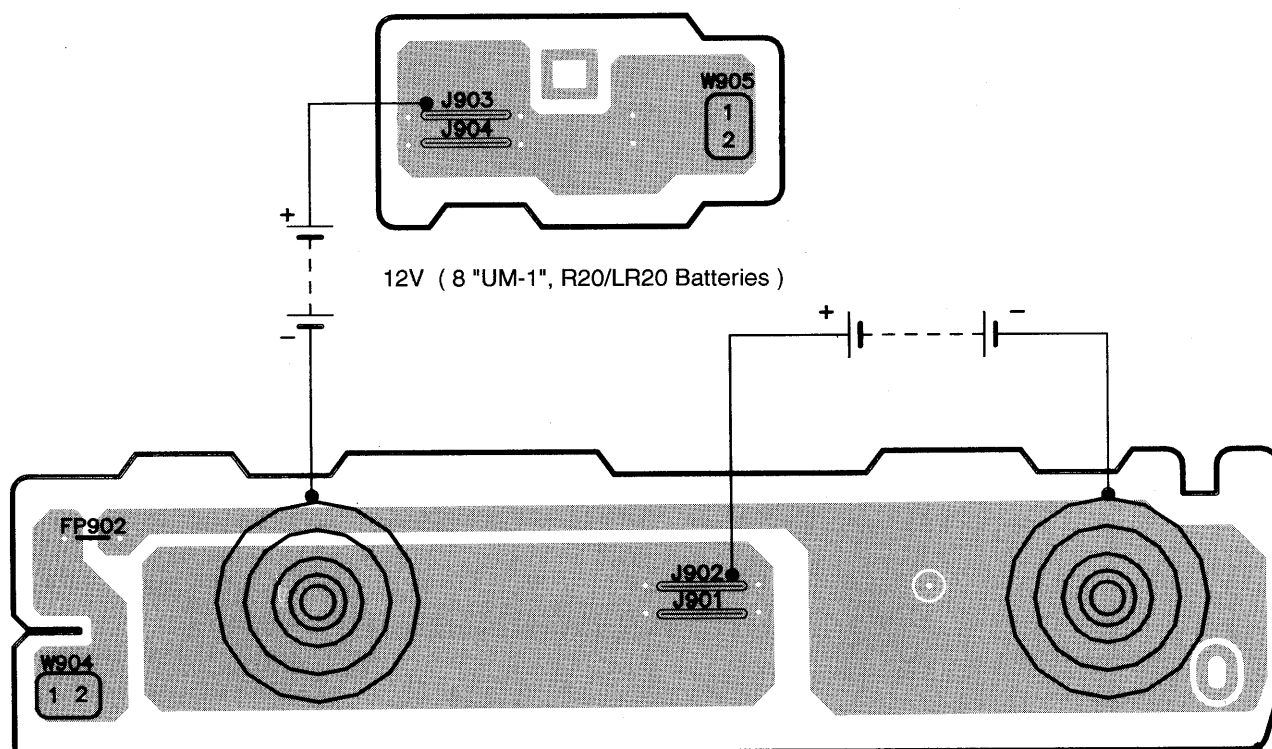
### Caution !

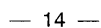
- IC, LSI and VLSI are sensitive to static electricity.
- Secondary trouble can be prevented by taking care during repair.
- Cover the parts boxes made of plastics with aluminium foil.
- Ground the soldering iron.
- Do not touch the pins of IC, LSI or VLSI with fingers directly.
- Put a conductive mat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







**C** MECHANISM P.C.B ( REPX0149 )**E** BATTERY P.C.B ( REPX0143 )



FM MODE



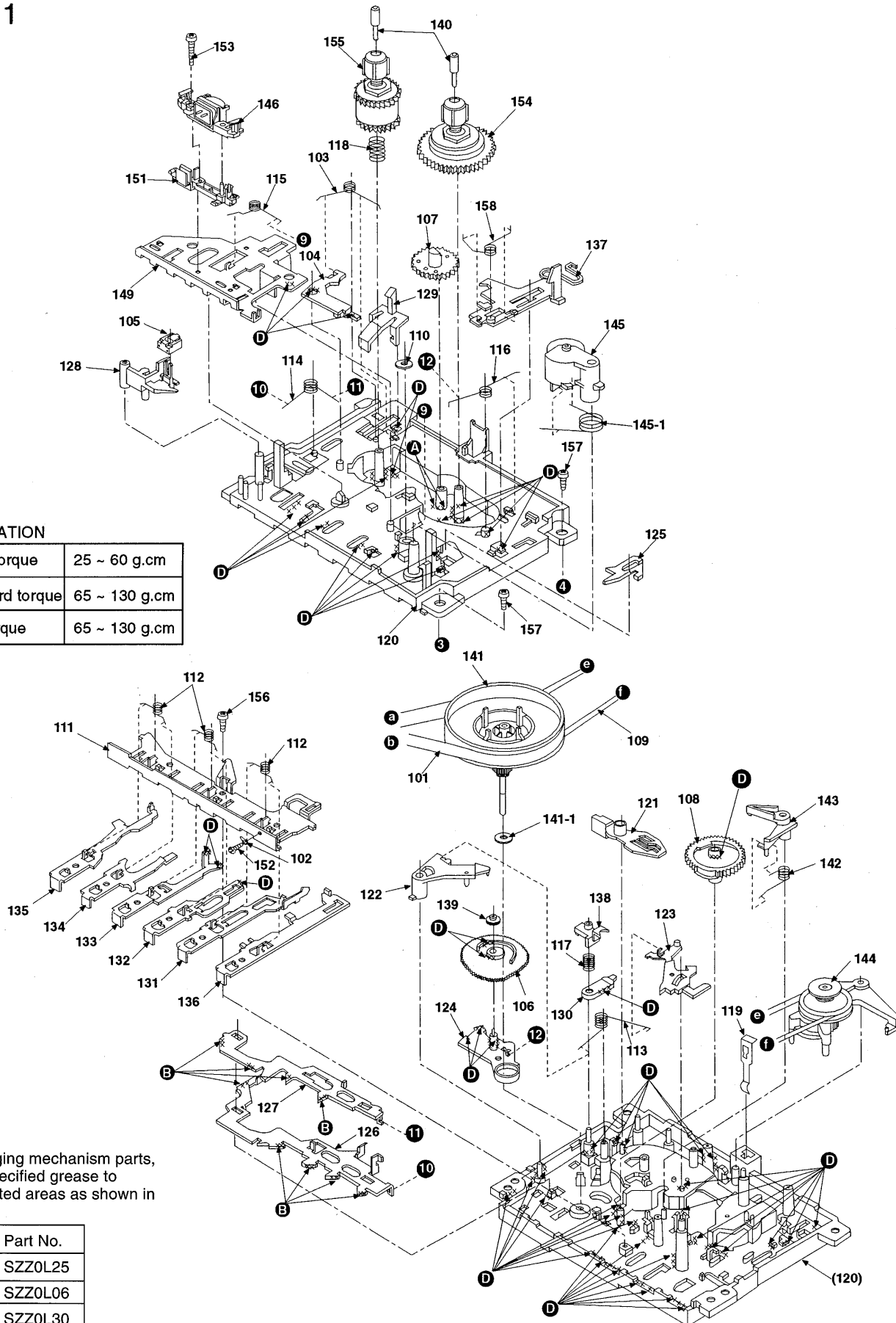
# Mechanism Parts Location (RAA0906)

Note : Refer to Replacement Parts List (Cassette Deck) on page 20 ~ 21

## DECK 1

### SPECIFICATION

|                     |               |
|---------------------|---------------|
| Playback torque     | 25 ~ 60 g.cm  |
| Fast forward torque | 65 ~ 130 g.cm |
| Rewind torque       | 65 ~ 130 g.cm |



### Note :

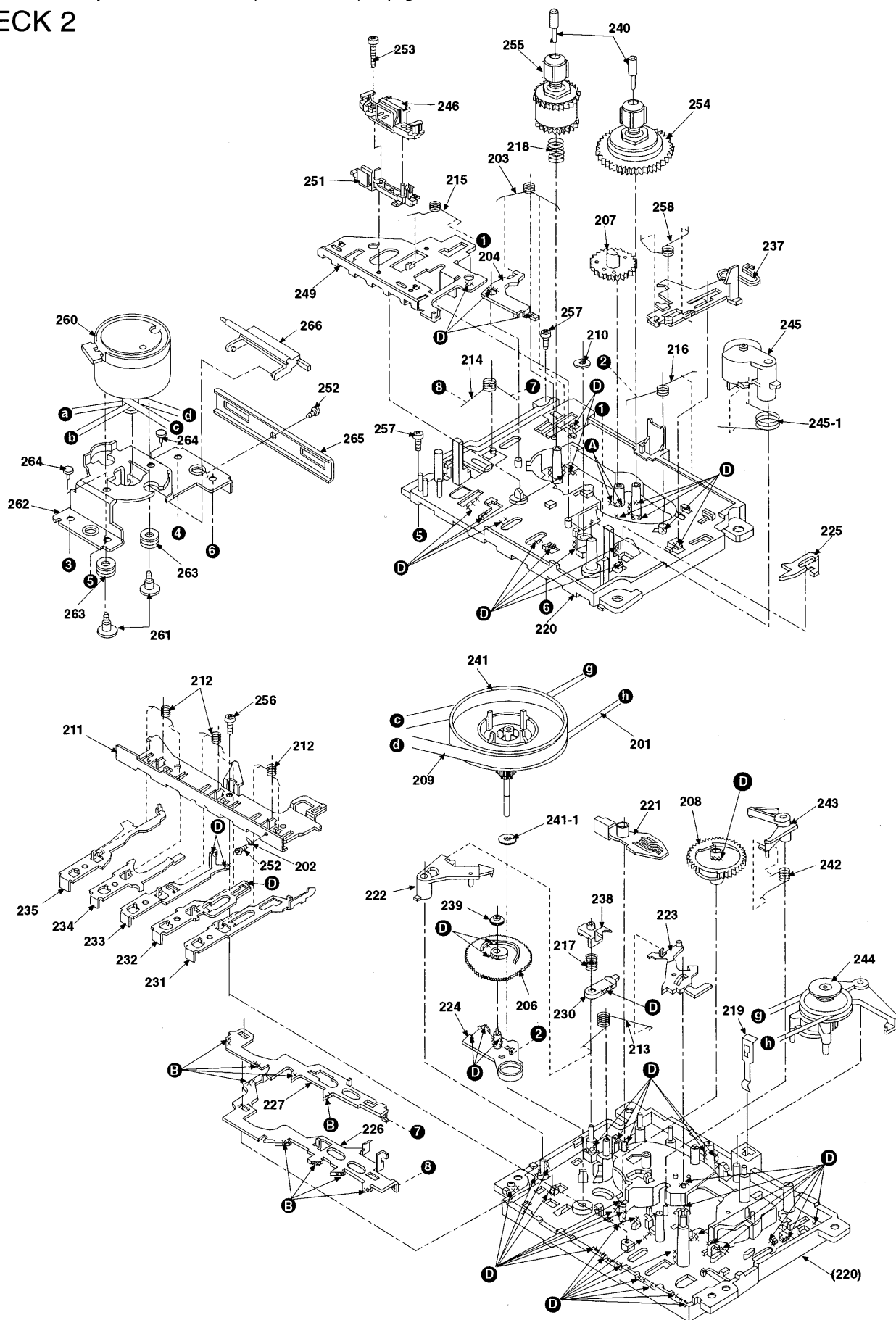
When changing mechanism parts, apply the specified grease to arrow indicated areas as shown in the drawing.

| Ref No. | Part No. |
|---------|----------|
| (A)     | SZZ0L25  |
| (B)     | SZZ0L06  |
| (C)     | SZZ0L30  |

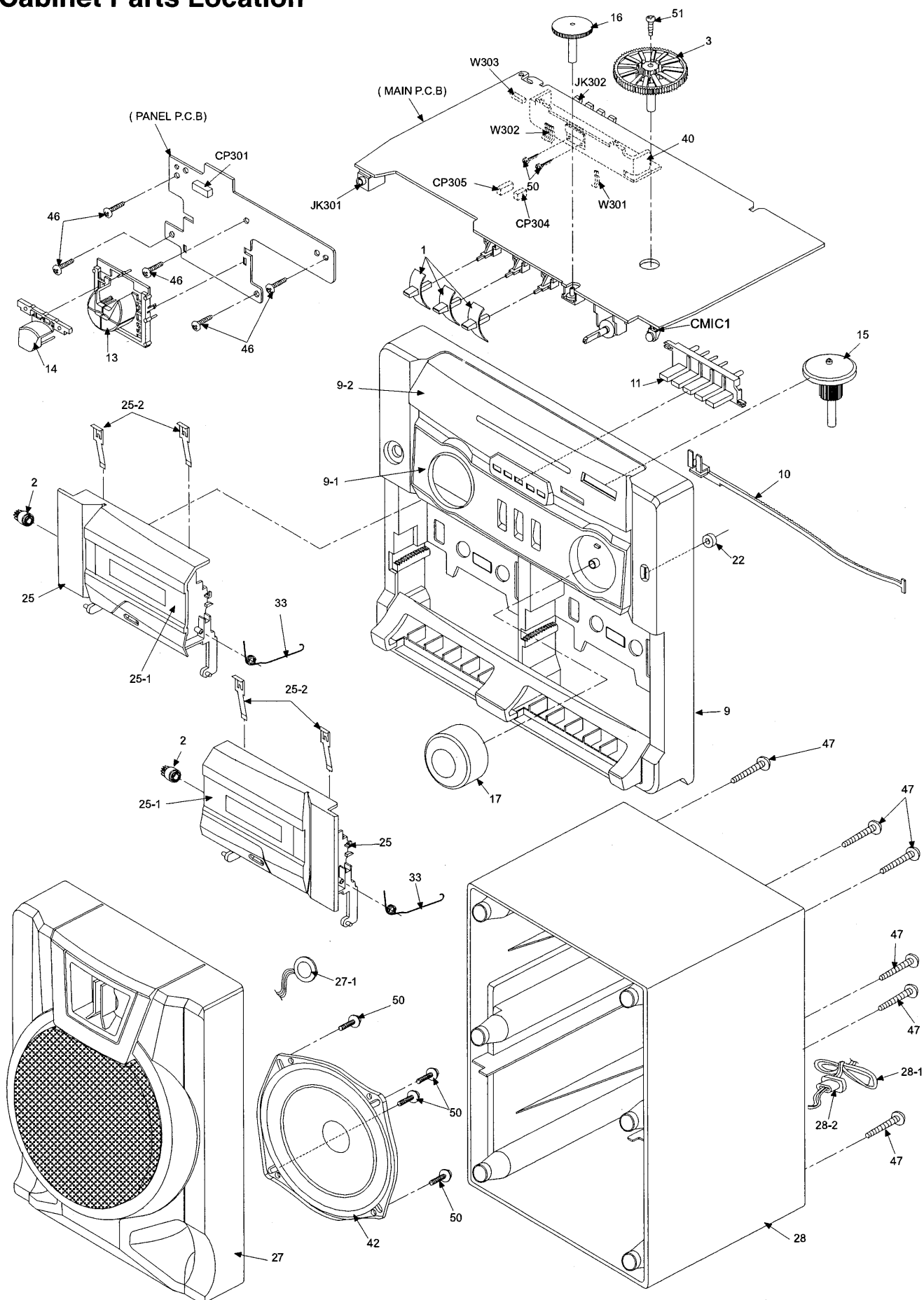
## ■ Mechanism Parts Location (RAA0906)

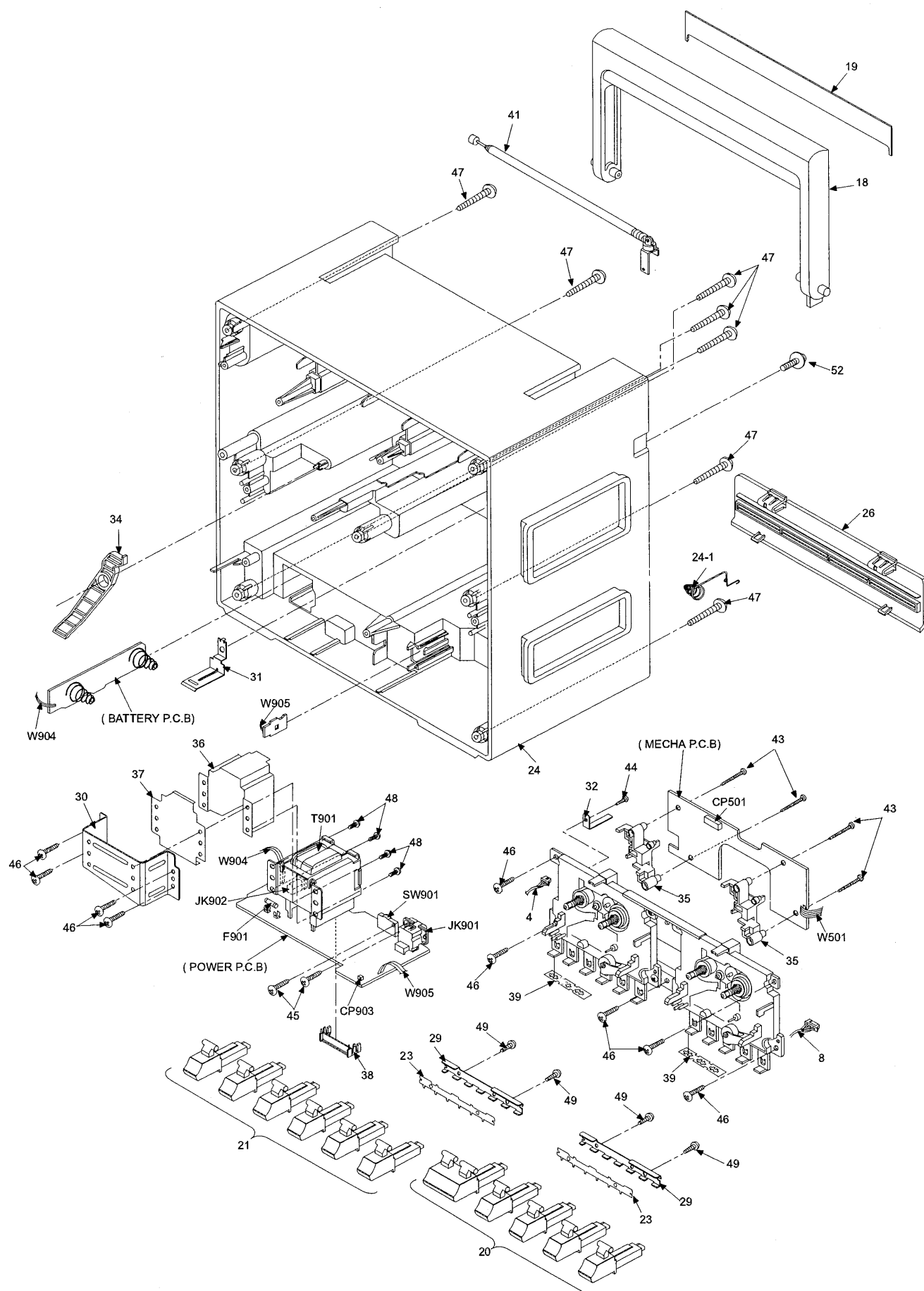
**Note :** Refer to **Replacement Parts List** (Cassette Deck) on page 20 ~ 21

## DECK 2



## ■ Cabinet Parts Location





## ■ Replacement Parts List

- Notes:**
- Important safety notice : Components identified by  mark have special characteristics important for safety. Furthermore, special parts which have purposes of fire-retardant (resistors), high-quality sound (capacitors), low-noise (resistors), etc. are used. When replacing any of components, be sure to use only manufacturer's specified parts shown in the parts list.
  - The parenthesized indications in the Remarks column specify the areas and/or colour. (Refer to the cover page for area and colour.) Parts without these indications can be used for all areas.
  - The "(SF)" mark denotes the standard parts.
  - [M] indicates parts that are supplied by MESA.

| Ref No. | Part No.     | Part Name & Description    | Remarks | Ref No. | Part No.     | Part Name & Description | Remarks | Ref No. | Part No.    | Part Name & Description | Remarks |
|---------|--------------|----------------------------|---------|---------|--------------|-------------------------|---------|---------|-------------|-------------------------|---------|
|         |              | <b>CABINET AND CHASSIS</b> |         |         |              |                         |         |         |             |                         |         |
| 1       | RBD562WA-S   | SELECTOR KNOB              | [M]     | 31      | RMAX0033     | ANT TERMINAL            | [M]     | 117     | RMB0053     | PAUSE LEVER SPRING      | [M]     |
| 2       | RDG0183-L    | DAMPER GEAR                | [M]     | 32      | RMCX0008     | REC PLATE               | [M]     | 118     | RMB0125     | BACK TENSION SPRING     | [M]     |
| 3       | RDGX0011     | VARICON GEAR               | [M]     | 33      | RMEX0002     | CASS. OPEN SPRING       | [M]     | 119     | RMC0061     | SPRING                  | [M]     |
| 4       | REXX0135     | DECK 1 HEAD WIRE           | [M]     | 34      | RMLX0012     | RECORDING LEVER         | [M]     | 120     | RFKRC090P-K | CHASSIS ASS'Y           | [M]     |
| 8       | REXX0182     | WIRE                       | [M]     | 35      | RMR0368      | MECHA CHASSIS           | [M]     | 121     | RML0071     | SWAY LEVER              | [M]     |
| 9       | RFKGCT850GCK | FRONT CAB ASS'Y            | [M] GC  | 36      | RMVX0036     | TRANS. SHIELD P         | [M]     | 122     | RML0072     | AS RELEASE LEVER        | [M]     |
| 9       | RFKGCT850GUK | FRONT CAB ASS'Y            | [M] GU  | 37      | RMVX0037     | TRANS. TOP SHIE         | [M]     | 123     | RML0073-1   | AS PROTECT LEVER        | [M]     |
| 9-1     | RKWX0112A-Q  | DIAL PANEL                 | [M] GC  | 38      | RMVX0038     | SAFETY COVER            | [M]     | 124     | RML0074     | IDLER LEVER             | [M]     |
| 9-1     | RKWX0112-Q   | DIAL PANEL                 | [M] GU  | 39      | RMXX0004     | SPACER                  | [M]     | 125     | RML0076     | EJECT SELECTION LEVE    | [M]     |
| 9-2     | RKWX0115-Q   | OPERATION PANEL            | [M]     | 40      | RMXX0033     | HEAT SINK               | [M]     | 126     | RML0077     | LOCK PLATE              | [M]     |
| 10      | RGJX0017-W   | POINTER                    | [M]     | 41      | XEARR175ED-Y | ANTENNA ROD             | [M]     | 127     | RML0078     | FUNCTION PLATE          | [M]     |
| 11      | RGLX0011-Q   | LED DIFFUSER               | [M]     | 42      | RAS12P06-H   | SPEAKER WOOFER          | [M]     | 128     | RML0080     | E HEAD ARM              | [M]     |
| 13      | RGUX0260-H   | EQ BUTTON (BOTTOM)         | [M]     | 43      | XTN2+14GF    | SCREW                   | [M]     | 129     | RML0081-1   | LEVER                   | [M]     |
| 14      | RGUX0261-H   | EQ BUTTON (TOP)            | [M]     | 44      | XTN2+4F      | SCREW                   | [M]     | 130     | RML0082     | PAUSE LEVER             | [M]     |
| 15      | RGWX0037-K   | TUNING KNOB                | [M]     | 45      | XTV3+10G     | AC JACK SCREW           | [M]     | 131     | RMM0023     | PLAY ROD                | [M]     |
| 16      | RGWX0038-K   | FINE TUNING KNOB           | [M]     | 46      | XTV3+12G     | SP. MOUNTING SCREW      | [M]     | 132     | RMM0024     | REW ROD                 | [M]     |
| 17      | RGWX0039-H   | VOLUME KNOB                | [M]     | 47      | XTV3+20G     | CASING SCREW            | [M]     | 133     | RMM0025     | FF ROD                  | [M]     |
| 18      | RGX1800ZA-7  | HANDLE                     | [M]     | 48      | XTV3+8F      | SHIELD PLATE SCREWS     | [M]     | 134     | RMM0026     | STOP ROD                | [M]     |
| 19      | RKX404YA-7   | HANDLE ORNAMENT            | [M]     | 49      | XTV3+8G      | MECHA SCREW             | [M]     | 135     | RMM0027     | PAUSE ROD               | [M]     |
| 20      | RGZX0028D-S  | MECHA BUTTON SET A         | [M]     | 50      | XTW3+10F     | SCREW                   | [M]     | 136     | RMM0028     | REC ROD                 | [M]     |
| 21      | RGZX0028E-S  | MECHA BUTTON SET B         | [M]     | 51      | XYN26+C6     | VARICON GEAR SCREW      | [M]     | 137     | RMM0029     | EJECT SLIDE LEVER       | [M]     |
| 22      | RHG720YA     | MIC RUBBER                 | [M]     | 52      | XYN3+F12FY   | ANT SCREW               | [M]     | 138     | RMR0211     | PAUSE BUSH              | [M]     |
| 23      | RHRX0008     | MECHA BUTTON SEAT          | [M]     |         |              |                         |         | 139     | RMR0227     | IDLER GEAR BUSH         | [M]     |
| 24      | RFKHCT850GCK | BACK CAB ASS'Y             | [M] GC  |         |              | <b>CASSETTE DECK</b>    |         | 140     | RMS0055     | REEL SHAFT              | [M]     |
| 24      | RFKHCT850GUK | BACK CAB ASS'Y             | [M] GU  |         |              |                         |         | 141     | RXF0012     | FLYWHEEL ASS'Y          | [M]     |
| 24-1    | RJC91006     | BATTERY TERMINAL           | [M]     | 101     | RDV0007      | MAIN BELT               | [M]     | 141-1   | RHW21008    | WASHER                  | [M]     |
| 25      | RFKLCT850-KA | CASS. LID ASS'Y(L)         | [M]     | 102     | RJR0033      | EARTH LUG               | [M]     | 142     | RMB0044     | TRIGGER SPRING          | [M]     |
| 25      | RFKLCT850-KB | CASS. LID ASS'Y(R)         | [M]     | 103     | RMB0109-1    | BRAKE SPRING            | [M]     | 143     | RML0075     | TRIGGER LEVER           | [M]     |
| 25-1    | RKWX0113A-Q  | CASS LID PANEL (R)         | [M]     | 104     | RML0116      | BRAKE                   | [M]     | 144     | RXP0014     | RF CLUTCH ASS'Y         | [M]     |
| 25-1    | RKWX0113-Q   | CASS LID PANEL (L)         | [M]     | 105     | RBR2CY009    | E HEAD                  | [M]     | 145     | RXP0015     | PINCH ROLLER ASS'Y      | [M]     |
| 25-2    | RUS757ZAA    | CASS HALF SPRING           | [M]     | 106     | RDG0057      | IDLER GEAR              | [M]     | 145-1   | RMB0049     | PINCH ARM SPRING        | [M]     |
| 26      | RKK2SZA-7    | BATTERY COVER              | [M]     | 107     | RDG0059      | FF RELAY GEAR           | [M]     | 146     | RBR4CY016-M | R/P HEAD                | [M]     |
| 27      | RFKGCT850-KA | SP FRONT CAB ASS'Y         | [M]     | 108     | RDK0005      | CAM GEAR                | [M]     | 149     | RMA0696     | HEAD BASE ASS'Y         | [M]     |
| 27-1    | EFBS10D40A1  | TWEETER                    | [M]     | 109     | RDV0006-1    | RF BELT                 | [M]     | 151     | RMQ0384     | HEAD BASE               | [M]     |
| 28      | RFKHCT850-KA | SP BACK CAB ASS'Y(L)       | [M]     | 110     | RHW16009     | CAPSTAN WASHER          | [M]     | 152     | XTN2+4F     | EARTH LUG SCREW         | [M]     |
| 28      | RFKHCT850-KB | SP BACK CAB ASS'Y(R)       | [M]     | 111     | RMA0109      | BACK PLATE              | [M]     | 153     | XTN2+12F    | SCREW                   | [M]     |
| 28-1    | REXX0089     | SPEAKER CORD               | [M]     | 112     | RMB0043-1    | ROD OPERATION SPRING    | [M]     | 154     | RXR0004     | TAKE UP REEL ASS'Y      | [M]     |
| 28-2    | RMGX0012-K   | CORD BUSHING               | [M]     | 113     | RMB0045      | AS SPRING               | [M]     | 155     | RXR0005     | SUPPLY REEL ASS'Y       | [M]     |
| 29      | RMAX0006     | ANGLE BAR                  | [M]     | 114     | RMB0046-1    | LOCK PLATE SPRING       | [M]     | 156     | XTN2+6J     | SCREW                   | [M]     |
| 30      | RMAX0032     | TRANS. BRACKET             | [M]     | 115     | RMB0047      | HEAD PANEL SPRING       | [M]     | 157     | XTW26+6L    | SCREW                   | [M]     |
|         |              |                            |         | 116     | RMB0048      | IDLER LEVER SPRING      | [M]     | 158     | RME0098-2   | SPRING                  | [M]     |

| Ref No. | Part No.     | Part Name & Description | Remarks | Ref No. | Part No.     | Part Name & Description | Remarks | Ref No. | Part No.     | Part Name & Description | Remarks |
|---------|--------------|-------------------------|---------|---------|--------------|-------------------------|---------|---------|--------------|-------------------------|---------|
| 201     | RDV0009      | MAIN BELT B             | [M]     | 253     | XTN2+12F     | SCREW                   | [M]     | D356    | SLR325DCT31  | DIODE                   | [M]     |
| 202     | RJR0033      | EARTH LUG               | [M]     | 254     | RXR0004      | TAKE UP REEL ASS'Y      | [M]     | D357    | SLR325VCT31  | DIODE                   | [M]     |
| 203     | RMB0109-1    | BRAKE SPRING            | [M]     | 255     | RXR0005      | SUPPLY REEL ASS'Y       | [M]     | D361    | MTZJ6R8BTA   | DIODE                   | [M]     |
| 204     | RML0116      | BRAKE                   | [M]     | 256     | XTN2+6J      | SCREW                   | [M]     | D364    | RB441QT-77   | DIODE                   | [M]     |
| 206     | RDG0057      | IDLER GEAR              | [M]     | 257     | XTW26+6L     | SCREW                   | [M]     | D371    | MTZJ9R1BTA   | DIODE                   | [M]     |
| 207     | RDG0059      | FF RELAY GEAR           | [M]     | 258     | RME0098-2    | SPRING                  | [M]     | D372    | MTZJ5R1BTA   | DIODE                   | [M]     |
| 208     | RDK0005      | CAM GEAR                | [M]     | 260     | RFKPXDT610PK | DC MOTOR ASS'Y          | [M]     | D901    | 1N5402BM21   | DIODE                   | ⚠ [M]   |
| 209     | RDV0006-1    | RF BELT                 | [M]     | 261     | RHD26002     | SCREW                   | [M]     | D902    | 1N5402BM21   | DIODE                   | ⚠ [M]   |
| 210     | RHW16009     | CAPSTAN WASHER          | [M]     | 262     | RMA0122      | ANGLE                   | [M]     | D903    | 1N5402BM21   | DIODE                   | ⚠ [M]   |
| 211     | RMA0109      | BACK PLATE              | [M]     | 263     | RMG0102      | RUBBER SPACE            | [M]     | D904    | 1N5402BM21   | DIODE                   | ⚠ [M]   |
| 212     | RMB0043-1    | ROD OPERATION SPRING    | [M]     | 264     | RMG0131      | RUBBER SPACE            | [M]     |         |              |                         |         |
| 213     | RMB0045      | AS SPRING               | [M]     | 265     | RMA0121      | ANGLE                   | [M]     |         |              | TRIMMER                 |         |
| 214     | RMB0046-1    | LOCK PLATE SPRING       | [M]     | 266     | RML0085      | LEVER                   | [M]     |         |              |                         |         |
| 215     | RMB0047      | HEAD PANEL SPRING       | [M]     |         |              |                         |         | CT2     | ECRLA010A53R | TRIMMER CAPACITOR       | [M]     |
| 216     | RMB0048      | IDLER LEVER SPRING      | [M]     |         |              | INTEGRATED CIRCUITS     |         | CT3     | ECRLA010A53R | TRIMMER CAPACITOR       | [M]     |
| 217     | RMB0053      | PAUSE LEVER SPRING      | [M]     |         |              |                         |         | CT5     | RCV10AF1T-S  | TRIMMER CAP             | [M]     |
| 218     | RMB0125      | BACK TENSION SPRING     | [M]     | IC1     | LA1828       | IC, FM/AM               | [M]     | CT6     | RCVMFTPC7B   | FINE TUNING CAP         | [M]     |
| 219     | RMC0061      | SPRING                  | [M]     | IC301   | LA4625       | IC, POWER               | [M]     |         |              |                         |         |
| 220     | RFKRCT090P-K | CHASSIS ASS'Y           | [M]     | IC302   | AN7317       | IC, DECK                | [M]     |         |              | VARIABLE CAPACITORS     |         |
| 221     | RML0071      | SWAY LEVER              | [M]     | IC351   | CXA2513M     | IC, GEQ                 | [M]     |         |              |                         |         |
| 222     | RML0072      | AS RELEASE LEVER        | [M]     |         |              |                         |         | VC1     | RCV4RCT0V-R  | VARICON                 | [M]     |
| 223     | RML0073-1    | AS PROTECT LEVER        | [M]     |         |              | TRANSISTORS             |         |         |              |                         |         |
| 224     | RML0074      | IDLER LEVER             | [M]     |         |              |                         |         |         |              | VARIABLE RESISTORS      |         |
| 225     | RML0076      | EJECT SELECTION LEVE    | [M]     | Q1      | 2SC829BTA    | TRANSISTOR              | [M]     |         |              |                         |         |
| 226     | RML0077      | LOCK PLATE              | [M]     | Q121    | 2SC1740SRTA  | TRANSISTOR              | [M]     | VR301   | EWCU1AF20B54 | VR, VOL CONTROL         | [M]     |
| 227     | RML0078      | FUNCTION PLATE          | [M]     | Q131    | 2SD1450STA   | TRANSISTOR              | [M]     | VR501   | EVNDXAA00B24 | VR, VARIABLE RESISTO    | [M]     |
| 230     | RML0082      | PAUSE LEVER             | [M]     | Q221    | 2SC1740SRTA  | TRANSISTOR              | [M]     |         |              |                         |         |
| 231     | RMM0023      | PLAY ROD                | [M]     | Q231    | 2SD1450STA   | TRANSISTOR              | [M]     |         |              | SWITCHES                |         |
| 232     | RMM0024      | REW ROD                 | [M]     | Q321    | 2SC1684STA   | TRANSISTOR              | [M]     |         |              |                         |         |
| 233     | RMM0025      | FF ROD                  | [M]     | Q331    | 2SC1684STA   | TRANSISTOR              | [M]     | S352    | EVQ21405R    | SW, VOCAL               | [M]     |
| 234     | RMM0026      | STOP ROD                | [M]     | Q332    | 2SC1684STA   | TRANSISTOR              | [M]     | S353    | EVQ21405R    | SW, FLAT                | [M]     |
| 235     | RMM0027      | PAUSE ROD               | [M]     | Q333    | 2SA564RTA    | TRANSISTOR              | [M]     | S354    | EVQ21405R    | SW, CLEAR               | [M]     |
| 237     | RMM0029      | EJECT SLIDE LEVER       | [M]     | Q371    | 2SD592AQRSTA | TRANSISTOR              | [M]     | S355    | EVQ21405R    | SW, SOFT                | [M]     |
| 238     | RMR0211      | PAUSE BUSH              | [M]     | Q381    | 2SC2001LTA   | TRANSISTOR              | [M]     | S356    | EVQ21405R    | SW, XBS                 | [M]     |
| 239     | RMR0227      | IDLER GEAR BUSH         | [M]     | Q382    | 2SC1684STA   | TRANSISTOR              | [M]     | S501    | RSH1A013-2I  | SW, LEAF                | [M]     |
| 240     | RMS0055      | REEL SHAFT              | [M]     | Q501    | 2SC1684STA   | TRANSISTOR              | [M]     | S502    | RSH1A013-2I  | SW, LEAF                | [M]     |
| 241     | RXF0012      | FLYWHEEL ASS'Y          | [M]     | Q502    | 2SK301QTA    | TRANSISTOR              | [M]     | S901    | RJJ1SE01-1H  | SW, AC INLET(JK901)     | [M]     |
| 241-1   | RHW21008     | WASHER                  | [M]     |         |              |                         |         | SW1     | RST2D001-H   | SW, FUNCTION            | [M]     |
| 242     | RMB0044      | TRIGGER SPRING          | [M]     |         |              | DIODES                  |         | SW2     | RST3D001-H   | SW, EDIT                | [M]     |
| 243     | RML0075      | TRIGGER LEVER           | [M]     |         |              |                         |         | SW3     | RST4H18ZA-H  | SW, BAND                | [M]     |
| 244     | RXP0014      | RF CLUTCH ASSY          | [M]     | D331    | 1SS254TA     | DIODE                   | [M]     | SW4     | RSH2F18ZA-A  | SW, R/P                 | [M]     |
| 245     | RXP0015      | PINCH ROLLER ASSY       | [M]     | D332    | 1SS254TA     | DIODE                   | [M]     | SW901   | RSR2A005S-H  | SW, VOLTAGE SELECTOR    | ⚠ [M]   |
| 245-1   | RMB0049      | PINCH ARM SPRING        | [M]     | D333    | 1SS254TA     | DIODE                   | [M]     |         |              |                         |         |
| 246     | RBR4CY016-M  | R/P HEAD                | [M]     | D352    | SLR325MCT31  | DIODE                   | [M]     |         |              | CONNECTORS              |         |
| 249     | RMA0696      | HEAD BASE ASS'Y         | [M]     | D353    | SLR325MCT31  | DIODE                   | [M]     |         |              |                         |         |
| 251     | RMQ0383      | HEAD BASE               | [M]     | D354    | SLR325MCT31  | DIODE                   | [M]     | CMIC1   | RJM164YA     | CONDENSER MIC           | [M]     |
| 252     | XTN2+4F      | EARTH LUG SCREW         | [M]     | D355    | SLR325MCT31  | DIODE                   | [M]     | CP301   | RJP10G18ZA   | 10P CONNECTOR           | [M]     |

| Ref No. | Part No.     | Part Name & Description                                                                             | Remarks | Ref No. | Part No.    | Part Name & Description                                                                          | Remarks | Ref No. | Part No.     | Part Name & Description                                                                          | Remarks |
|---------|--------------|-----------------------------------------------------------------------------------------------------|---------|---------|-------------|--------------------------------------------------------------------------------------------------|---------|---------|--------------|--------------------------------------------------------------------------------------------------|---------|
| CP304   | RJP5G18ZA    | PLAY CONN                                                                                           | [M]     |         |             | <b>CERAMIC FILTERS</b>                                                                           |         |         |              | <b>WIRES</b>                                                                                     |         |
| CP305   | RJP4G18ZA    | R/P CONNECTOR                                                                                       | [M]     |         |             |                                                                                                  |         |         |              |                                                                                                  |         |
| CP501   | RJP4G9YA     | 4P CONNECTOR                                                                                        | [M]     | CF1     | RVF107WDZT  | 10.7M FILTER                                                                                     | [M]     | W301    | REXX0174     | MAIN TO POWER WIRE                                                                               | [M]     |
| CP903   | RJP2G9YA     | 2P CONN (VER)                                                                                       | [M]     | CF2     | RVFSFZ455JL | 455 FILTER                                                                                       | [M]     | W302    | REXX0176     | MAIN TO DECK WIRE                                                                                | [M]     |
|         |              |                                                                                                     |         |         |             |                                                                                                  |         | W303    | REXX0175     | MAIN TO PANEL WIRE                                                                               | [M]     |
|         |              | <b>COILS &amp; TRANSFORMERS</b>                                                                     |         |         |             | <b>FUSES</b>                                                                                     |         | W501    | RWJ0104065KX | MECH-MOTOR 4 FLAT WIRE                                                                           | [M]     |
|         |              |                                                                                                     |         |         |             |                                                                                                  |         |         |              |                                                                                                  |         |
| L2      | RL04P002T-E  | COIL                                                                                                | [M]     | F901    | XBA2C31TB0  | FUSE            | [M]     |         |              | <b>PACKING MATERIALS</b>                                                                         |         |
| L3      | RLV5C008     | FERRITE ANT                                                                                         | [M]     |         |             |                                                                                                  |         |         |              |                                                                                                  |         |
| L6      | RLQY30S4W    | COIL                                                                                                | [M]     |         |             | <b>FUSE HOLDERS</b>                                                                              |         | P1      | RPGX0457     | GIFT BOX                                                                                         | [M] GU  |
| L7      | RLA3B44-M    | COIL                                                                                                | [M]     |         |             |                                                                                                  |         | P1      | RPGX0458     | GIFT BOX                                                                                         | [M] GC  |
| L8      | RL02B108-M   | MW OSC COIL                                                                                         | [M]     | FH901   | RJR0169T    | FUSE HOLDER                                                                                      | [M]     | P2      | RPNX0074     | POLYFOAM                                                                                         | [M]     |
| L9      | RL03B91-M    | SW1 OSC COIL                                                                                        | [M]     | FH902   | RJR0169T    | FUSE HOLDER                                                                                      | [M]     |         |              |                                                                                                  |         |
| L10     | RL03B95-M    | SW2 OSC COIL                                                                                        | [M]     |         |             |                                                                                                  |         |         |              | <b>ACCESSORIES</b>                                                                               |         |
| L341    | RL09B17-T    | BIAS COIL                                                                                           | [M]     |         |             | <b>FUSE PROTECTOR</b>                                                                            |         |         |              |                                                                                                  |         |
| T1      | RLI4B153-M   | FM IF COIL                                                                                          | [M]     |         |             |                                                                                                  |         | A1      | RFKSCT850GUK | O/I BOOK ASS'Y                                                                                   | [M] GU  |
| T2      | RLI2B153-M   | AM IF COIL                                                                                          | [M]     | FP901   | RSFMB40KT-L | FUSE PROTECTOR                                                                                   | [M]     | A1      | RQT4120-G    | O/I BOOK                                                                                         | [M] GC  |
| T3      | RLI4B153-M   | FM IF COIL                                                                                          | [M]     | FP902   | RSFMB50KT-L | FUSE PROTECTOR                                                                                   | [M]     | A2      | RJA0019-2K   | AC CORD (SF)  | [M] GC  |
| T901    | RTP1U1E007-X | POWER TRANSFORMER  | [M]     |         |             |                                                                                                  |         | A2      | RJA0004      | AC CORD (SF)  | [M] GU  |
|         |              |                                                                                                     |         |         |             | <b>JACKS</b>                                                                                     |         | A3      | RJP1SG02-H   | AC PLUG ADAPTOR                                                                                  | [M] GU  |
|         |              | <b>COMPONENT COMBINATION</b>                                                                        |         |         |             |                                                                                                  |         | A3      | SJP5213-2    | AC CORD ADAPTOR                                                                                  | [M] GC  |
|         |              |                                                                                                     |         | JK301   | RJJ37TK08-H | JK, HEADPHONE                                                                                    | [M]     |         |              |                                                                                                  |         |
| Z1      | RCRBMT003-H  | BAND PASS FILTER                                                                                    | [M]     | JK302   | RJF1098ZA-H | JK, SPEAKER                                                                                      | [M]     |         |              |                                                                                                  |         |
|         |              |                                                                                                     |         | JK901   | RJJ1SE01-1H | JK, AC INLET  | [M]     |         |              |                                                                                                  |         |
|         |              |                                                                                                     |         | JK902   | RJJB3ZE-C   | JK, DC INLET                                                                                     | [M]     |         |              |                                                                                                  |         |

## ■ Resistors & Capacitors

Notes : • Important safety notice:

Components identified by  mark have special characteristics important for safety.

Furthermore, special parts which have purposes of fire-retardant (resistors), high-quality sound (capacitors), low-noise (resistors), etc. are used. When replacing any of components, be sure to use only manufacturer's specified parts shown in the parts list.

- The parenthesized in the Remarks columns specify the areas. (Refer to the cover page for area.) Parts without these indication can be used for all areas.
- [M] in Remarks column indicates parts that are supplied by **MESA**.
- Capacitor values are in microfarad (μF) unless specified otherwise, P=Pico-farads (pF) F=Farads (F)
- Resistors values are in ohms, unless specified otherwise, 1k=1,000(OHM), 1M=1,000k(OHM)

| Ref No. | Part No.         | Values & Remarks | Ref No. | Part No.    | Values & Remarks | Ref No. | Part No.    | Values & Remarks | Ref No. | Part No.     | Values & Remarks |
|---------|------------------|------------------|---------|-------------|------------------|---------|-------------|------------------|---------|--------------|------------------|
|         | <b>RESISTORS</b> |                  |         |             |                  |         |             |                  |         |              |                  |
|         |                  |                  | R10     | ERDS2TJ272T | 2.7K 1/4W [M]    | R101    | ERDS2TJ472T | 4.7K 1/4W [M]    | R131    | ERDS2TJ562T  | 5.6K 1/4W [M]    |
|         |                  |                  | R11     | ERDS2TJ221T | 220 1/4W [M]     | R102    | ERDS2TJ560T | 56 1/4W [M]      | R142    | ERDS2TJ822T  | 8.2K 1/4W [M]    |
| R1      | ERDS2TJ104T      | 100K 1/4W [M]    | R13     | ERDS2TJ334T | 330K 1/4W [M]    | R103    | ERDS2TJ332T | 3.3K 1/4W [M]    | R144    | ERD2FCVJ4R7T | 4.7 1/4W [M]     |
| R2      | ERDS2TJ100T      | 10 1/4W [M]      | R14     | ERDS2TJ471T | 470 1/4W [M]     | R104    | ERDS2TJ104T | 100K 1/4W [M]    | R146    | ERD2FCVJ4R7T | 4.7 1/4W [M]     |
| R3      | ERDS2TJ100T      | 10 1/4W [M]      | R15     | ERDS2TJ470T | 47 1/4W [M]      | R105    | ERDS2TJ823T | 82K 1/4W [M]     | R151    | ERDS2TJ393T  | 39K 1/4W [M]     |
| R4      | ERDS2TJ100T      | 10 1/4W [M]      | R16     | ERDS2TJ181T | 180 1/4W [M]     | R106    | ERDS2TJ271T | 270 1/4W [M]     | R160    | ERDS2TJ103T  | 10K 1/4W [M]     |
| R5      | ERDS2TJ470T      | 47 1/4W [M]      | R17     | ERDS2TJ103T | 10K 1/4W [M]     | R107    | ERDS2TJ103T | 10K 1/4W [M]     | R161    | ERDS2TJ181T  | 180 1/4W [M]     |
| R6      | ERDS2TJ682T      | 2.7K 1/4W [M]    | R23     | ERDS2TJ182T | 1.8K 1/4W [M]    | R108    | ERDS2TJ153T | 15K 1/4W [M]     | R201    | ERDS2TJ472T  | 4.7K 1/4W [M]    |
| R7      | ERDS2TJ682T      | 2.7K 1/4W [M]    | R50     | ERDS2TJ101T | 100 1/4W [M]     | R121    | ERDS2TJ103T | 10K 1/4W [M]     | R202    | ERDS2TJ560T  | 56 1/4W [M]      |
| R8      | ERDS2TJ223T      | 22K 1/4W [M]     | R51     | ERDS2TJ101T | 100 1/4W [M]     | R122    | ERDS2TJ562T | 5.6K 1/4W [M]    | R203    | ERDS2TJ332T  | 3.3K 1/4W [M]    |
| R9      | ERDS2TJ223T      | 22K 1/4W [M]     | R52     | ERDS2TJ101T | 100 1/4W [M]     | R123    | ERDS2TJ102T | 1K 1/4W [M]      | R204    | ERDS2TJ104T  | 100K 1/4W [M]    |

| Ref No. | Part No.     | Values & Remarks | Ref No. | Part No.          | Values & Remarks | Ref No. | Part No.          | Values & Remarks | Ref No. | Part No.     | Values & Remarks |
|---------|--------------|------------------|---------|-------------------|------------------|---------|-------------------|------------------|---------|--------------|------------------|
| R205    | ERDS2TJ823T  | 82K 1/4W [M]     | R364    | ERDS2TJ391T       | 390 1/4W [M]     | C41     | ECBT1H390J5       | 39P 50V [M]      | C320    | ECBT1C103MS5 | 0.01 16V [M]     |
| R206    | ERDS2TJ271T  | 270 1/4W [M]     | R371    | ERDS2TJ101T       | 100 1/4W [M]     | C42     | ECBT1H200JC5      | 20P 50V [M]      | C321    | ECBT1H102KB5 | 1000P 50V [M]    |
| R207    | ERDS2TJ103T  | 10K 1/4W [M]     | R372    | ERDS2TJ222T       | 2.2K 1/4W [M]    | C43     | ECBT1H6R8KC5      | 6.8P 50V [M]     | C322    | ECBT1C822MS5 | 8200P 16V [M]    |
| R208    | ERDS2TJ153T  | 15K 1/4W [M]     | R373    | ERDS2TJ103T       | 10K 1/4W [M]     | C50     | ECBT1C103MS5      | 0.01 16V [M]     | C323    | ECA1AM101B   | 100 10V [M]      |
| R221    | ERDS2TJ103T  | 10K 1/4W [M]     | R385    | ERDS2TJ683T       | 68K 1/4W [M]     | C51     | ECBT1C103MS5      | 0.01 16V [M]     | C324    | ECQP2A152JZT | 1500P 100V [M]   |
| R222    | ERDS2TJ562T  | 5.6K 1/4W [M]    | R386    | ERDS2TJ101T       | 100 1/4W [M]     | C52     | ECBT1C103MS5      | 0.01 16V [M]     | C325    | ECQP2A121GZT | 120P 100V [M]    |
| R223    | ERDS2TJ102T  | 1K 1/4W [M]      | R501    | ERDS2TJ105T       | 1M 1/4W [M]      | C61     | ECBT1H3R3KC5      | 3.3P 50V [M]     | C330    | ECFR1C473MR  | 0.047 16V [M]    |
| R231    | ERDS2TJ562T  | 5.6K 1/4W [M]    | R502    | ERDS2TJ273T       | 27K 1/4W [M]     | C68     | ECBT1H470J5       | 47P 50V [M]      | C331    | ECBT1H102KB5 | 1000P 50V [M]    |
| R242    | ERDS2TJ822T  | 8.2K 1/4W [M]    | R503    | ERDS2TJ273T       | 27K 1/4W [M]     | C69     | ECBT1H3R9KC5 (GC) | 3.9P 50V [M]     | C332    | ECA1CM330B   | 33 16V [M]       |
| R244    | ERD2FCVJ4R7T | 4.7 1/4W [M]     | R505    | ERDS2TJ102T       | 1K 1/4W [M]      | C102    | ECEA1CKA101B      | 100 16V [M]      | C333    | ECA1HM010B   | 1 50V [M]        |
| R246    | ERD2FCVJ4R7T | 4.7 1/4W [M]     | R506    | ERDS2TJ123T       | 12K 1/4W [M]     | C103    | ECFR1C273KR       | 0.027 16V [M]    | C334    | ECA1AM470B   | 100 10V [M]      |
| R251    | ERDS2TJ393T  | 39K 1/4W [M]     | R507    | ERDS2TJ103T       | 10K 1/4W [M]     | C104    | ECA1CM100B        | 10 16V [M]       | C335    | ECA1CM100B   | 10 16V [M]       |
| R260    | ERDS2TJ103T  | 10K 1/4W [M]     | R901    | ERDS2TJ683T       | 68K 1/4W [M]     | C105    | ECBT1H821KB5      | 820P 50V [M]     | C336    | ECFR1C333MR  | 0.033 16V [M]    |
| R261    | ERDS2TJ181T  | 180 1/4W [M]     | R902    | ERDS2TJ222T       | 2.2K 1/4W [M]    | C106    | ECA1CM100B        | 10 16V [M]       | C341    | ECA1CM101B   | 100 16V [M]      |
| R301    | ERDS2TJ101T  | 100 1/4W [M]     |         |                   |                  | C107    | ECA1CM100B        | 10 16V [M]       | C343    | ECA1CM220B   | 20 16V [M]       |
| R302    | ERDS2TJ475T  | 4.7M 1/4W [M]    |         | <b>CAPACITORS</b> |                  | C108    | ECBT1H102KB5      | 1000P 50V [M]    | C344    | ECA1HMR47B   | 0.47 50V [M]     |
| R303    | ERDS2TJ222T  | 2.2K 1/4W [M]    |         |                   |                  | C109    | ECBT1H102KB5      | 1000P 50V [M]    | C352    | ECEA1CKA101B | 100 16V [M]      |
| R307    | ERDS2TJ221T  | 220 1/4W [M]     | C1      | ECBT1H100JC5      | 10P 50V [M]      | C110    | ECBT1H101KB5      | 100P 50V [M]     | C354    | ECEA1KA220B  | 22 10V [M]       |
| R311    | ERDS2TJ103T  | 10K 1/4W [M]     | C2      | ECBT1H473ZF5      | 0.047 50V [M]    | C111    | ECBT1C122MR5      | 1200P 16V [M]    | C355    | ECEA1CKA101B | 100 16V [M]      |
| R312    | ERDS2TJ103T  | 10K 1/4W [M]     | C3      | ECBT1H180JC5      | 18P 50V [M]      | C114    | ECBT1H561KB5      | 560P 50V [M]     | C357    | ECEA1HKA0R1B | 0.1 50V [M]      |
| R313    | ERDS1FVJ2R7T | 2.7 1/2W [M]     | C4      | ECFR1C473MR       | 0.047 16V [M]    | C135    | ECBT1H102KB5      | 1000P 50V [M]    | C358    | ECEA1CKA100B | 10 16V [M]       |
| R321    | ERDS2TJ561T  | 560 1/4W [M]     | C5      | ECBT1H102KB5      | 1000P 50V [M]    | C140    | ECBT1H471KB5      | 470P 50V [M]     | C359    | ECBT1C332MR5 | 3300P 16V [M]    |
| R322    | ERDS2TJ563T  | 56K 1/4W [M]     | C6      | ECBT1C182KR5      | 1800P 16V [M]    | C141    | ECA1HM2R2B        | 2.2 50V [M]      | C371    | ECA1EM332EV  | 3300 25V [M]     |
| R323    | ERDS2TJ563T  | 56K 1/4W [M]     | C7      | ECA1HM4R7B        | 4.7 50V [M]      | C142    | ECQV1H104JZ3      | 0.1 50V [M]      | C372    | ECA1CM470B   | 47 16V [M]       |
| R324    | ERDS2TJ100T  | 10 1/4W [M]      | C8      | ECBT1H470J5       | 47P 50V [M]      | C143    | ECQV1H104JZ3      | 0.1 50V [M]      | C373    | ECBT1C103MS5 | 0.01 16V [M]     |
| R325    | ERDS2TJ221T  | 220 1/4W [M]     | C9      | ECFR1C153KR       | 0.015 16V [M]    | C160    | ECA1CM100B        | 10 16V [M]       | C383    | ECA1CM100B   | 10 16V [M]       |
| R330    | ERDS2TJ101T  | 100 1/4W [M]     | C10     | ECFR1C153KR       | 0.015 16V [M]    | C202    | ECEA1CKA101B      | 100 16V [M]      | C501    | ECA1CM330B   | 33 16V [M]       |
| R331    | ERDS2TJ334T  | 330K 1/4W [M]    | C11     | ECA1HMR22B        | 0.22 50V [M]     | C203    | ECFR1C273KR       | 0.027 16V [M]    | C502    | ECEA1CKA101B | 100 16V [M]      |
| R332    | ERDS2TJ102T  | 1K 1/4W [M]      | C12     | ECA1HM3R3B        | 3.3 50V [M]      | C204    | ECA1CM100B        | 10 16V [M]       | C503    | ECFR1C103MR  | 0.01 16V [M]     |
| R333    | ERDS2TJ332T  | 3.3K 1/4W [M]    | C13     | ECBT1H473ZF5      | 0.047 50V [M]    | C205    | ECBT1H821KB5      | 820P 50V [M]     | C701    | ECEA1HKA0R1B | 0.1 50V [M]      |
| R334    | ERDS2TJ101T  | 100 1/4W [M]     | C14     | ECA1CM220B        | 20 16V [M]       | C206    | ECA1CM100B        | 10 16V [M]       | C702    | ECEA1HKA0R1B | 0.1 50V [M]      |
| R335    | ERDS2TJ332T  | 3.3K 1/4W [M]    | C15     | ECA1CM100B        | 10 16V [M]       | C207    | ECA1CM100B        | 10 16V [M]       | C703    | ECBT1H561KB5 | 560P 50V [M]     |
| R336    | ERDS2TJ104T  | 100K 1/4W [M]    | C16     | ECA1CM100B        | 10 16V [M]       | C208    | ECBT1H102KB5      | 1000P 50V [M]    | C801    | ECEA1HKA0R1B | 0.1 50V [M]      |
| R337    | ERDS2TJ332T  | 3.3K 1/4W [M]    | C17     | ECA1AM101B        | 100 10V [M]      | C209    | ECBT1H102KB5      | 1000P 50V [M]    | C802    | ECEA1HKA0R1B | 0.1 50V [M]      |
| R338    | ERDS2TJ123T  | 12K 1/4W [M]     | C18     | ECBT1H100JC5      | 10P 50V [M]      | C210    | ECBT1H101KB5      | 100P 50V [M]     | C803    | ECBT1H561KB5 | 560P 50V [M]     |
| R342    | ERDS2TJ472T  | 4.7K 1/4W [M]    | C21     | ECBT1H220JC5      | 22P 50V [M]      | C211    | ECBT1C122MR5      | 1200P 16V [M]    | C901    | ECKR1H103ZF5 | 0.01 50V [M]     |
| R343    | ERDS2TJ471T  | 470 1/4W [M]     | C22     | ECBT1C103NS5      | 0.01 16V [M]     | C214    | ECBT1H561KB5      | 560P 50V [M]     | C902    | ECKR1H103ZF5 | 0.01 50V [M]     |
| R347    | ERDS2TJ103T  | 10K 1/4W [M]     | C23     | ECBT1H104ZF5      | 0.1 50V [M]      | C235    | ECBT1H102KB5      | 1000P 50V [M]    | C903    | ECKR1H103ZF5 | 0.01 50V [M]     |
| R353    | ERDS2TJ680T  | 68 1/4W [M]      | C24     | ECBT1H473ZF5      | 0.047 50V [M]    | C240    | ECBT1H471KB5      | 470P 50V [M]     | C904    | ECKR1H103ZF5 | 0.01 50V [M]     |
| R354    | ERDS2TJ181T  | 180 1/4W [M]     | C26     | ECBT1C103NS5      | 0.01 16V [M]     | C241    | ECA1HM2R2B        | 2.2 50V [M]      |         |              |                  |
| R355    | ERDS2TJ473T  | 27K 1/4W [M]     | C27     | ECBT1H102KB5      | 1000P 50V [M]    | C242    | ECQV1H104JZ3      | 0.1 50V [M]      |         |              |                  |
| R356    | ERDS2TJ181T  | 180 1/4W [M]     | C30     | ECBT1H8R2KC5      | 8.2P 50V [M]     | C243    | ECQV1H104JZ3      | 0.1 50V [M]      |         |              |                  |
| R357    | ERDS2TJ683T  | 68K 1/4W [M]     | C31     | ECBT1H3R3KC5      | 3.3P 50V [M]     | C260    | ECA1CM100B        | 10 16V [M]       |         |              |                  |
| R358    | ERDS2TJ104T  | 100K 1/4W [M]    | C33     | ECFR1C223MR       | 0.022 16V [M]    | C301    | ECA1CM220B        | 20 16V [M]       |         |              |                  |
| R359    | ERDS2TJ183T  | 18K 1/4W [M]     | C34     | ECBT1H3R9KC5      | 3.9P 50V [M]     | C302    | ECFR1C473MR       | 0.047 16V [M]    |         |              |                  |
| R360    | ERDS2TJ683T  | 68K 1/4W [M]     | C36     | ECQP2A361JZT      | 360P 100V [M]    | C303    | ECA1CM100B        | 10 16V [M]       |         |              |                  |
| R361    | ERDS2TJ683T  | 68K 1/4W [M]     | C37     | ECQP2A152JZT      | 1500P 100V [M]   | C304    | ECA1CM101B        | 100 16V [M]      |         |              |                  |
| R363    | ERDS2TJ222T  | 2.2K 1/4W [M]    | C38     | ECQP2A472JZT      | 4700P 100V [M]   | C311    | ECA1CM220B        | 20 16V [M]       |         |              |                  |

## ■ Packaging (Refer to page 22 for the Parts List.)

### ACCESSORY

|                           |                   |
|---------------------------|-------------------|
| A1 (RFKSCT850GUK ... GU): | O/I BOOK ASS'Y    |
| A1 (RQT4120-G ... GC)     | : O/I BOOK        |
| A2 (RJA0019-2K ... GC)    | : AC CORD         |
| A2 (RJA0004 ... GU)       | : AC CORD         |
| A3 (RJP1SG02-H ... GU)    | : AC PLUG ADAPTOR |
| A3 (SJP5213-2 ... GC)     | : AC PLUG ADAPTOR |

Note : A2 and A3 items are placed in the battery case.

