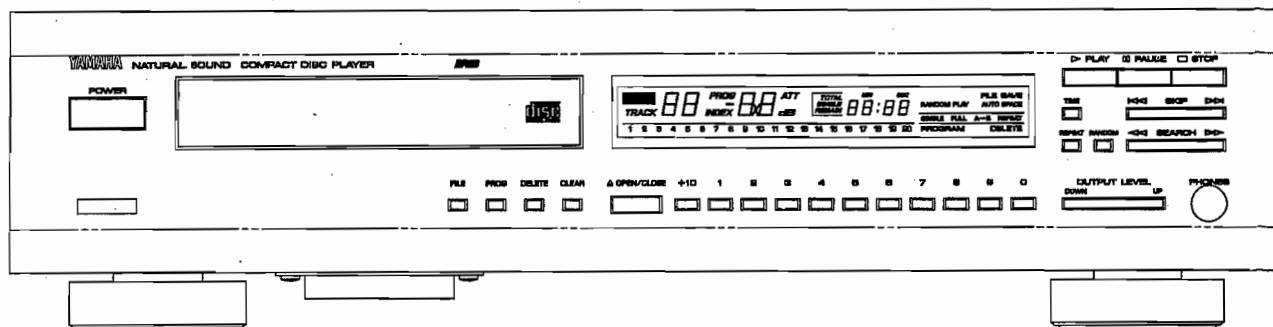


COMPACT DISC PLAYER

CDX-930/1030

SERVICE MANUAL



IMPORTANT NOTICE

This manual has been provided for the use of authorized YAMAHA Retailers and their service personnel. It has been assumed that basic service procedures inherent to the industry, and more specifically YAMAHA Products, are already known and understood by the users, and have therefore not been restated.

WARNING: Failure to follow appropriate service and safety procedures when servicing this product may result in personal injury, destruction of expensive components and failure of the product to perform as specified. For these reasons, we advise all YAMAHA product owners that all service required should be performed by an authorized YAMAHA Retailer or the appointed service representative.

IMPORTANT: The presentation or sale of this manual to any individual or firm does not constitute authorization, certification or recognition of any applicable technical capabilities, or establish a principle-agent relationship of any form.

The data provided is believed to be accurate and applicable to the unit(s) indicated on the cover. The research, engineering, and service departments of YAMAHA are continually striving to improve YAMAHA products. Modifications are, therefore, inevitable and specifications are subject to change without notice or obligation to retrofit. Should any discrepancy appear to exist, please contact the distributor's Service Division.

WARNING: Static discharges can destroy expensive components. Discharge any static electricity your body may have accumulated by grounding yourself to the ground buss in the unit (heavy gauge black wires connect to this buss).

IMPORTANT: Turn the unit OFF during disassembly and parts replacement. Recheck all work before you apply power to the unit.

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■ TO SERVICE PERSONNEL

1. Critical Components Information.

Components having special characteristics are marked and must be replaced with parts having specifications equal to those originally installed.

2. Leakage Current Measurement (For 120V Model Only).

When service has been completed, it is imperative that you verify that all exposed conductive surfaces are properly insulated from supply circuits.

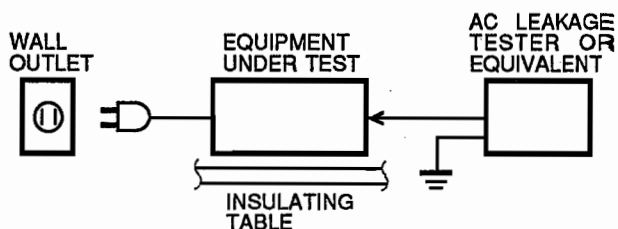
- Meter impedance should be equivalent to 1500 ohm shunted by 0.15 μ F.

- Leakage current must not exceed 0.5mA.

- Be sure to test for leakage with the AC plug in both polarities.

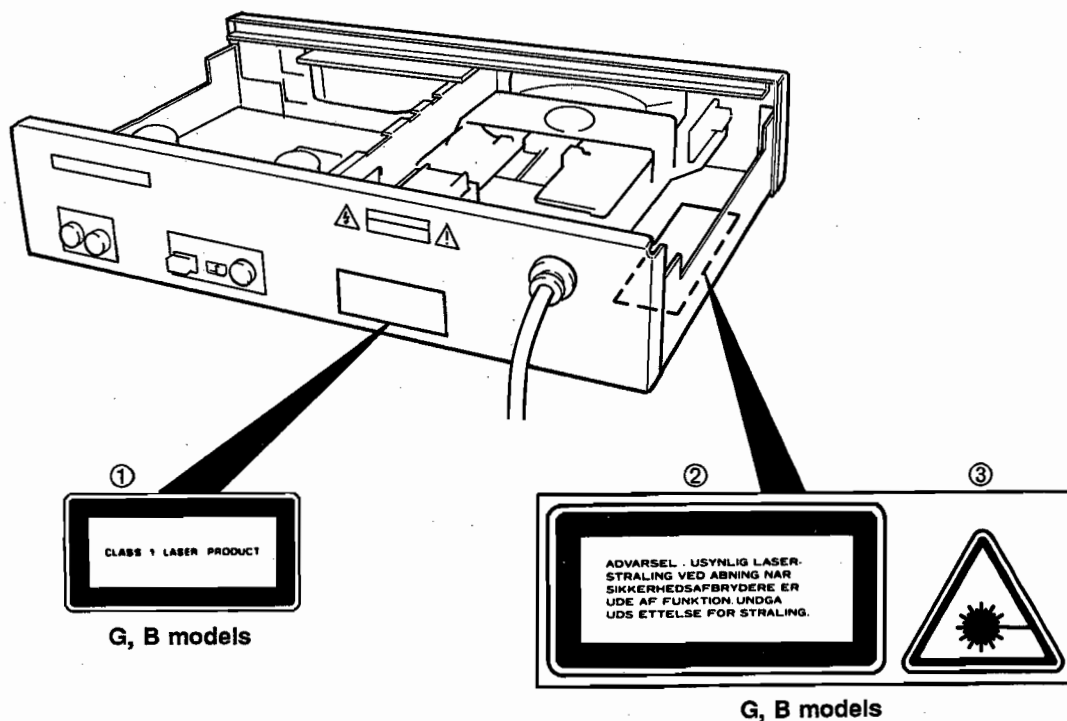
• POLARIZATION (U, C models)

This CD player product is equipped with a polarized alternating-current line plug (a plug having one blade wider than the other). This plug will fit into the power outlet only one way. This is a safety feature.



CAUTION-USE OF CONTROLS, ADJUSTMENTS, OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN, MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

THE COMPACT DISC PLAYER SHOULD NOT BE ADJUSTED OR REPAIRED BY ANYONE EXCEPT PROPERLY QUALIFIED SERVICE PERSONNEL.



English

- ① THIS LABEL (SEE POSITION SHOWN IN THE ILLUSTRATION) INFORMS THE USER THAT THE APPARATUS CONTAINS A LASER COMPONENT.
- ② THIS LABEL (SEE POSITION SHOWN IN THE ILLUSTRATION) WARNS THAT ANY FURTHER PROCEDURE WILL BRING THE USER INTO EXPOSURE WITH THE LASER BEAM.
- ③ THE RADIATION WARNING LABEL IS PLACED INSIDE THE UNIT AS SHOWN IN THE ILLUSTRATION, TO WARN AGAINST FURTHER MEASURES ON THE UNIT. THE EQUIPMENT CONTAINS A LASER COMPONENT RADIATING LASER RAYS EXCEEDING THE LIMIT OF CLASS 1 LASER PRODUCTS.

CAUTION-USE OF CONTROLS, ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN, MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

Swedish

- ① PÅSKRIFTEN SITTE PÅ APPARATEM SOM VISAS SOM EN UPPMANING OM ATT APPARATEN OMFATTAR EN INBYGGD LASERKOMPONENT.
- ② TEXTSKYLTEN FÖR LASERN ÄR PLACERAD PÅ APPARATEN SOM EN UPPMANING OM ATT APPARATEN INNEHÅLLER EN LASERKOMPONENT.
- ③ VARNINGSSKYLTEN FÖR STRÅLNING HAR PLACERATS I APPARATEN, SOM BILDEN VISAR, SOM EN VARNING OM YTTRELLIGARE INGREPP I APPARATEN. MATERIELEN INNEHÅLLER EN LASERKOMPONENT SOM AVGER LASERSTRÅLNING ÖVERSTIGANDE GRÄNSEN FÖR LASERKLASS 1.

VARNING-INGREPP I APPARATEN BÖR ENDAST FÖRETAS AV FACKMAN MED KUNSKAP OM ATT RISK FÖRELIGGER FÖR RADIOAKTIV STRÅLNING.

Danish

- ① DETTE MÆRKAT ER ANBRAGT SOM VIST I ILLUSTRATIONEN FOR AT ADVARE BRUGEREN OM AT APPARATET INDEHOLDER EN LASERKOMPONENT.
- ② DETTE MÆRKAT OM LASEREN ER ANBRAGT PÅ APPARATET SOM EN OPLYSNING OM AT APPARATET INDEHOLDER ET LASERKOMPONENT.
- ③ ADVARSELSKILTET OM STRÅLING ER PLACERET INDEN I APPARATET, SOM VIST I ILLUSTRATIONEN, SOM EN ADVARSEL OM YDERLIGERE INDGEB I APPARATET. APPARATET INDEHOLDER ET LASERKOMPONENT SOM AVGIVER LASESTRÅLING DER OVERSTIGER GÆNSEVERDIEN FOR LASERKLASSE 1.

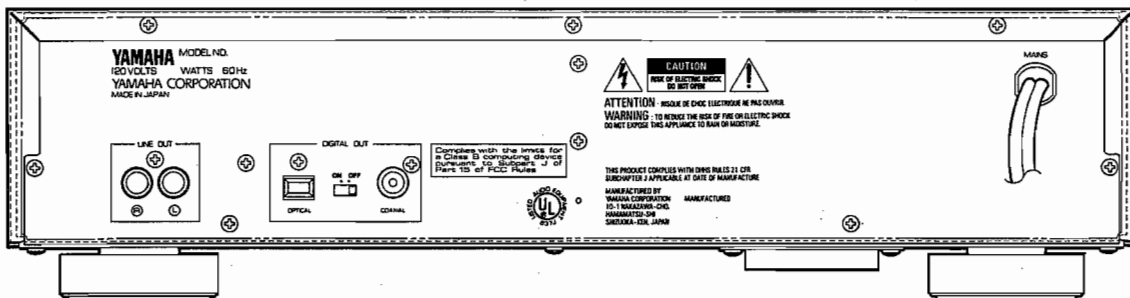
ADVARSEL! INDGEB BØR KUN FORETAGES AF EN FAGMAND DA DER ER RISIKO FOR RADIOAKTIV STRÅLING.

Finnish

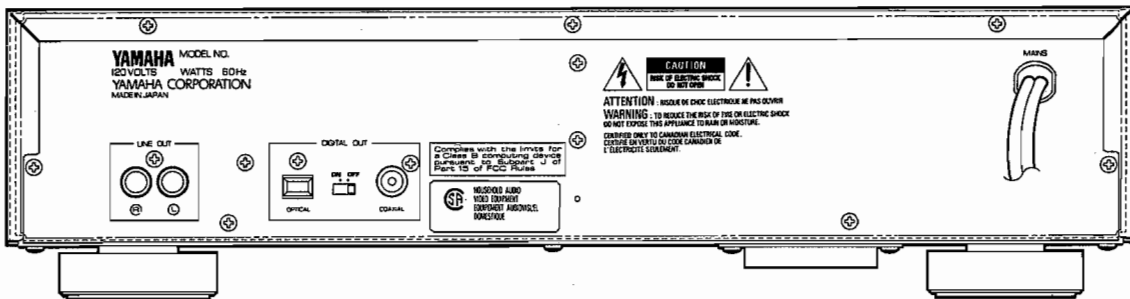
- ③ "VAROITUS! LAITE SISÄLTÄÄ LASERDIODIN, JOKA LÄHETTÄÄ (NÄKYMÄTÖNTÄ) SILMILLE VAARALLISTA LASERSÄTEILYÄ:"

~~~~~

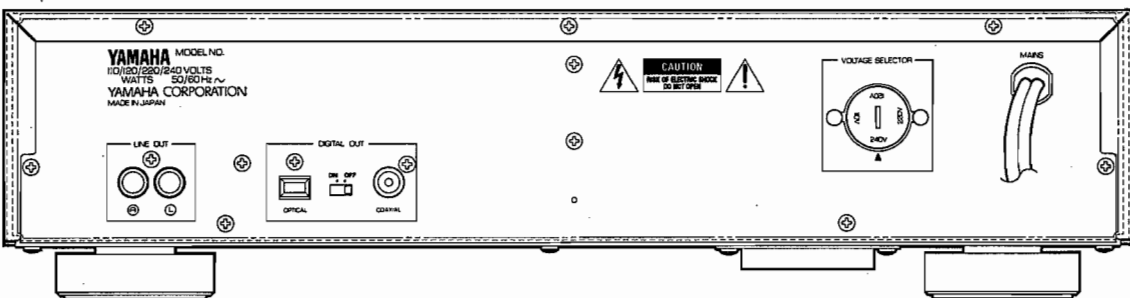
### ▼ U model



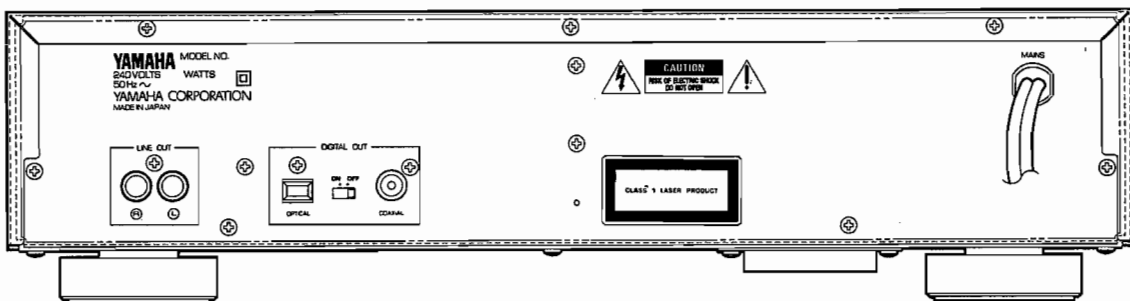
### ▼ C model



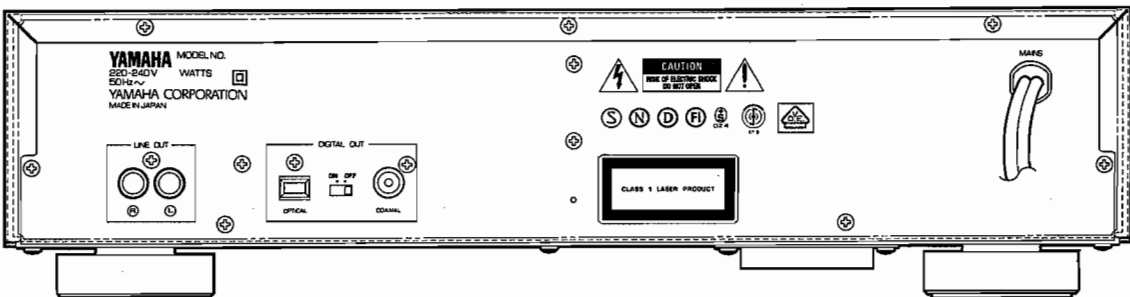
### ▼ R model



### ▼ A, B models



▼ **G model**



## INTERLOCK OPERATION

The Digital Compact Disc Player reads the disc signals by laser beam detection. The human body must not be directly exposed to the laser beam. Human eyes are especially not to be damaged by the laser beam. This unit is therefore equipped with an interlock to prevent unnecessary laser output.

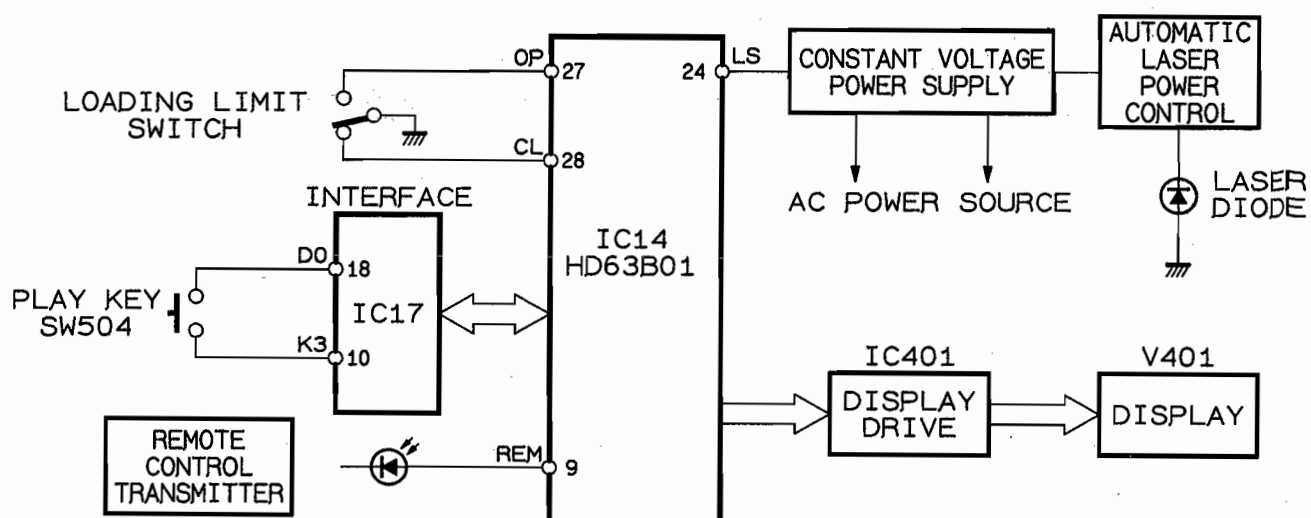
Laser output is controlled by the injection or cutoff of the constant voltage source to the laser diode at Pin 24 (LS) of IC14 (HD63B01), and also by Automatic Laser Power Control Circuit. When Pin 24 is in "H" (High) level, the laser emits the beam. When Pin 24 is in "L" (Low) level, the laser does not emit the beam.

Pin 24 is set in "H" level when the unit is loaded with a disc and reads the index signals or when the unit is set in the play mode. When the unit reads the index signals and the following two conditions are met, the laser emits the beam.

- 1) When the Loading Limit Switch is set in "CL" side. (The disc tray is closed.)
- 2) When the pickup is located at the area of minimum internal circumference.

After the above conditions are met and the index signals have been read, the laser emits the beam when the following two conditions are met.

- 1) When the PLAY key (SW504) or that of Remote Control Transmitter is pressed.
- 2) When TIMER PLAY is ON.



## SPECIFICATIONS

### AUDIO SECTION

|                           |                               |
|---------------------------|-------------------------------|
| Frequency Response        | 2Hz~20kHz $\pm 0.5$ dB        |
| De-Emphasis Equalization  | $\pm 0.5$ dB (EIAJ)           |
| Harmonic Distortion+Noise | Less than 0.003%, 1kHz (EIAJ) |
| S/N Ratio                 | 110dB (EIAJ)                  |
| Dynamic Range             | More than 98dB (EIAJ)         |
| Wow & Flutter             | Unmeasurable                  |
| Channel Separation        | More than 96dB, 1kHz (EIAJ)   |
| Output Voltage            | 2V (EIAJ)                     |
| Output Impedance          | 600 $\Omega$                  |
| Headphone Output (-20dB)  | 180mV/150 $\Omega$            |

### INTERNAL SYSTEM

|                         |                                                 |
|-------------------------|-------------------------------------------------|
| Optical Pick-up         | 3-beam laser                                    |
| Error Correction System | CIRC                                            |
| D/A Conversion          | 1-bit 4-DAC system                              |
| Filter                  | Hibit-3rd order noise shaping<br>Digital Filter |

### GENERAL

|                               |                                                        |
|-------------------------------|--------------------------------------------------------|
| <b>Power Requirements</b>     |                                                        |
| U, C models                   | 120V AC 60Hz                                           |
| G, B models                   | 220-240V AC 50Hz                                       |
| A model                       | 240V AC 50Hz                                           |
| R, P models                   | 110-120/220-240V AC 50/60Hz                            |
| <b>Power Consumption</b>      |                                                        |
| CDX-1030                      | 30W                                                    |
| CDX-930                       | 25W                                                    |
| <b>Dimensions (W x H x D)</b> |                                                        |
| CDX-1030                      | 435 x 113.5 x 342 mm<br>(17-1/8" x 4-7/16" x 13-7/16") |
| CDX-930                       | 435 x 111 x 342 mm<br>(17-1/8" x 4-3/8" x 13-7/16")    |
| <b>Weight</b>                 |                                                        |
| CDX-1030                      | 10.5kg (23 lbs 2 oz)                                   |
| CDX-930                       | 5.7kg (12 lbs 9 oz)                                    |

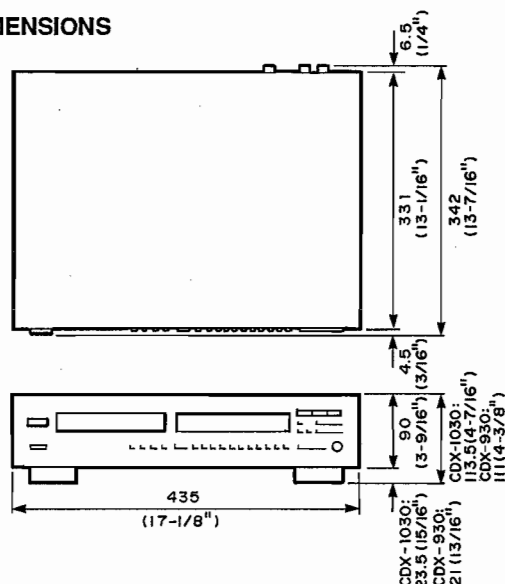
### Accessories

Pin plug code  
Remote control transmitter  
Dry-cell: x2 (Sise "AAA", R03)

\*Specifications are subject to change without notice.

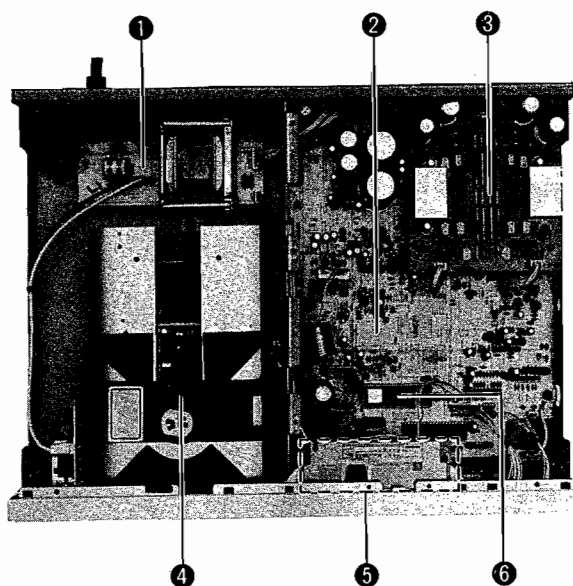
U ..... U. S. A. model  
C ..... Canadian model  
B ..... British model  
A ..... Australian model  
G ..... European model  
R ..... General model  
P ..... PX model

### DIMENSIONS



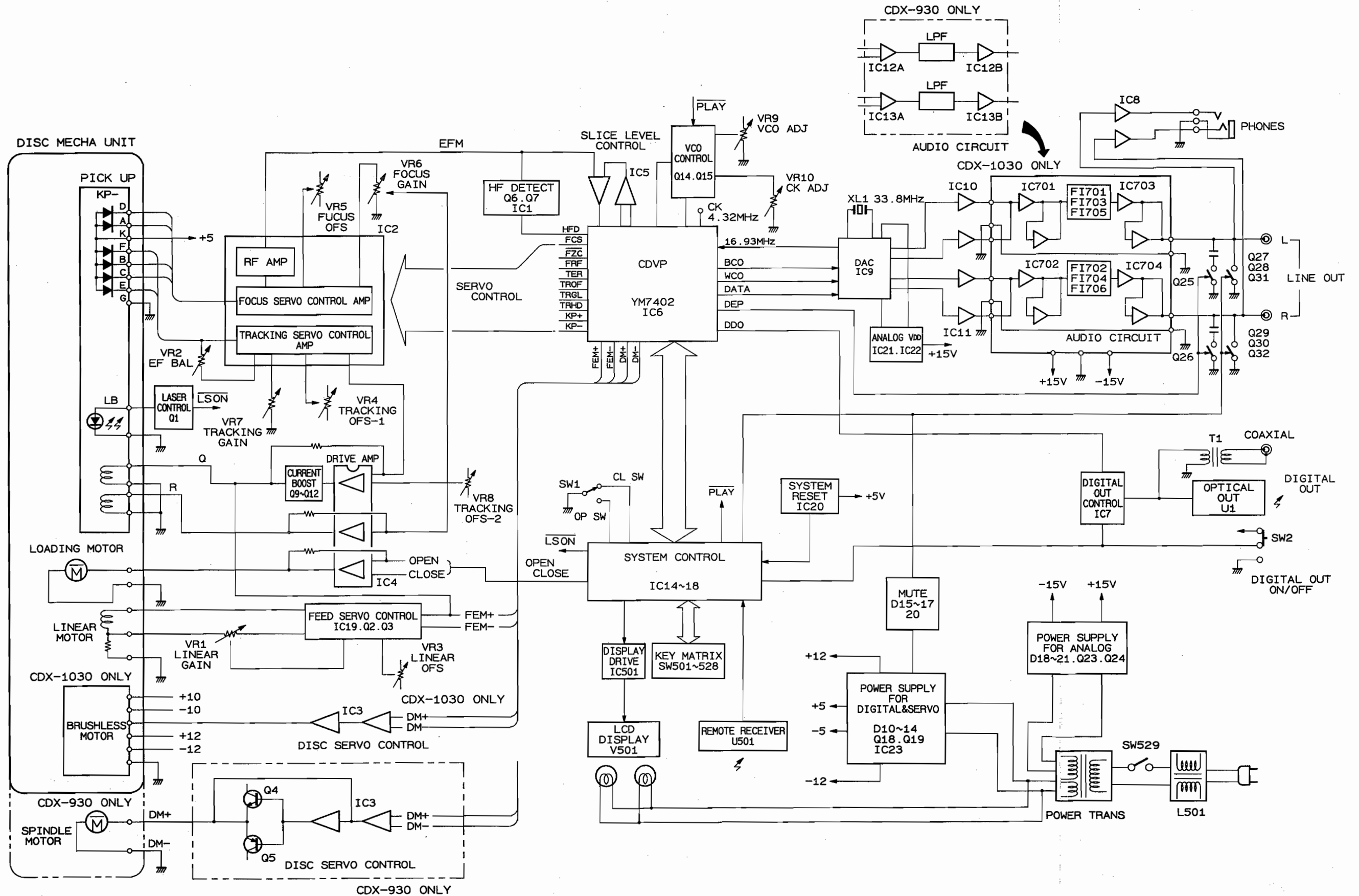
Unit : mm (inch)

### INTERNAL VIEW



- ① OPERATION CIRCUIT BOARD (2)
- ② MAIN CIRCUIT BOARD
- ③ AUDIO CIRCUIT BOARD (CDX-1030 only)
- ④ DISC MECHANISM UNIT
- ⑤ OPERATION CIRCUIT BOARD (3)
- ⑥ 8 bit  $\mu$ -COM (IC14)

## ■ BLOCK DIAGRAM



## DISASSEMBLY PROCEDURES

(Remove parts in disassembly order as numbered.)

### 1. Removal of Top Cover

- Remove 4 screws (①) and 3 screws (②) in Fig. 1.
- Lift the Top Cover to the back side and move it rearward slantingly.

### 2. Removal of Inner Top (CDX-1030 only)

Remove 6 screws (③) in Fig. 1.

### 3. Removal of Front Panel

- Remove 3 screws (④) and 4 screws (⑤) in Fig. 1.
- Press the Levers in Fig. 1, and pull the Front Panel forward.

### 4. Removal of Disc Mechanism Unit

Remove 3 screws (⑥) in Fig. 1.

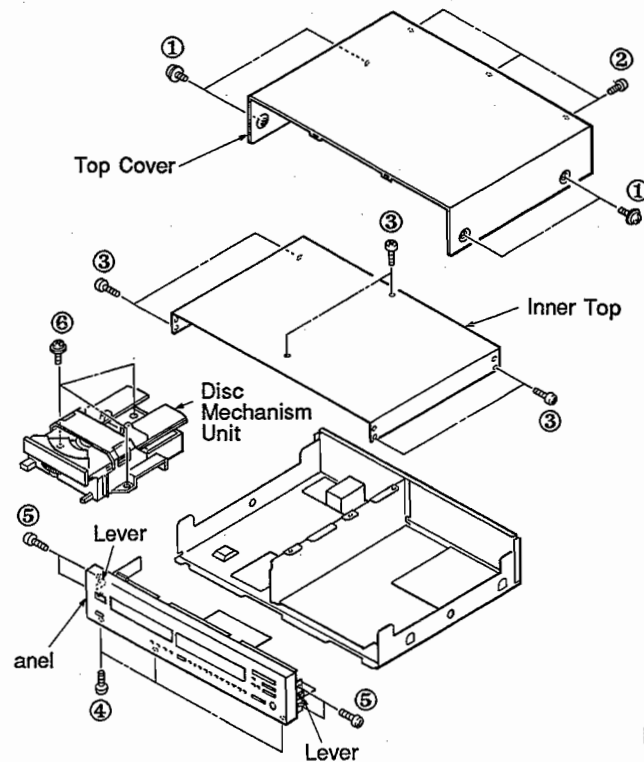
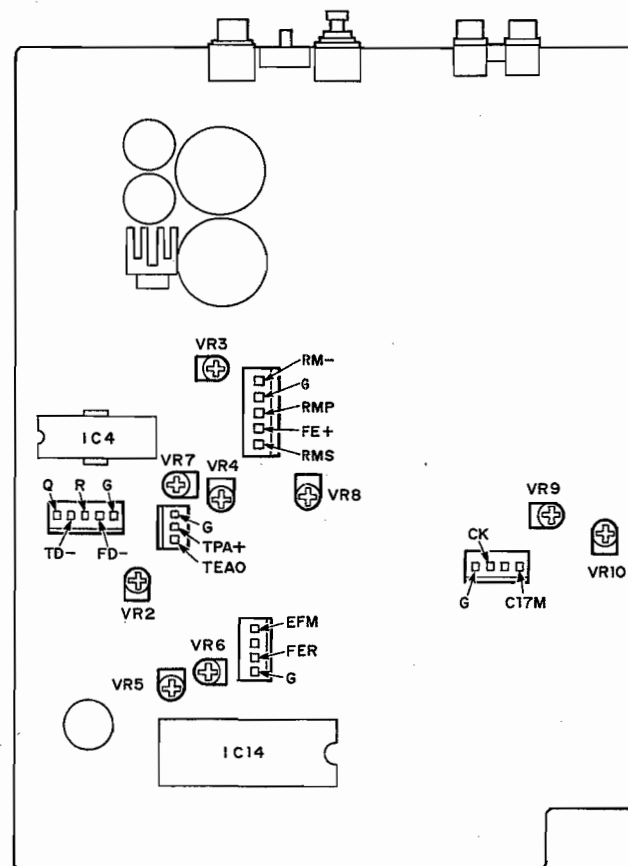


Fig. 1

## ADJUSTMENTS

### TEST POINTS



### Necessary items

#### Measuring instruments

|                               |       |
|-------------------------------|-------|
| Osilloscope                   | : x 1 |
| (Band width of 50MHz or more) |       |
| AC voltmeter                  | : x 1 |
| DC voltmeter                  | : x 1 |
| Frequency counter             | : x 1 |
| Audio frequency oscillator    | : x 1 |

#### Jigs

|                             |       |
|-----------------------------|-------|
| Test disc                   | : x 1 |
| YEDS-18 (P/No. TX911730) or |       |
| YEDS-7 (P/No. TX911320)     |       |

#### Tools

|                                        |       |
|----------------------------------------|-------|
| Screwdriver                            | : x 1 |
| (For Pre-set Potentiometer adjustment) |       |

### Before Adjustment

#### Starting TEST Mode

While pressing both "4" and "7" ten keys, turn ON the power switch. Take fingers off both ten keys, and all the display segments light for about 2 seconds and the operation mode is set to the TEST mode.

#### Command keys for adjustment in TEST mode

"1" : For return to PRODUCT mode

"2" : For adjusting VCO, linear motor gain offset and tracking focus offset  
The tray is opened and LB is turned ON.  
**Note)** No operation is available without a tray.

"3" : For adjusting EF balance  
The tray is closed, focus locked and the disc rotation is started. TR—OFF

"4" : For adjusting tracking focus gain.  
Disc is played.

"5" : For adjusting tracking focus offset  
The tray is opened and LB is turned ON.  
But TR should be OFF.  
(TR—OFF ..... H)

"6" : For adjusting tracking offset  
The tray is opened and LB is turned ON. But TR should be ON.  
(TR—OFF ..... L)

"7" : For adjusting linear motor offset  
TR—OFF(H), FEOF ..... (L)

"8" : For adjusting linear motor offset  
TR—OFF(L), FEOF ..... (L)

#### 1 VCO adjustment

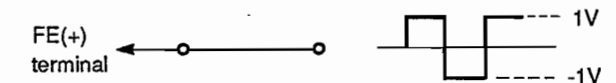
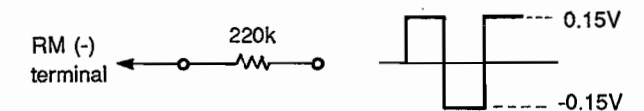
- Do not load the disc.
- Set to the TEST mode.
- Press the ten key "2".
- Measure the voltage at C17M terminal and adjust VR10 so that the specified voltage is obtained.  
VC17M = 2.5V±50mV (DC)

#### 2 VCO free-run adjustment

- Do not load the disc.
- Set to the TEST mode.
- Press the ten key "2".
- Connect a frequency counter to the CK terminal.  
\* Be sure to use a probe (10:1 type for oscilloscope) for frequency counter input.
- Adjust VR9 so that the specified frequency is obtained.  
FCK = 4.3218MHz±0.02MHz

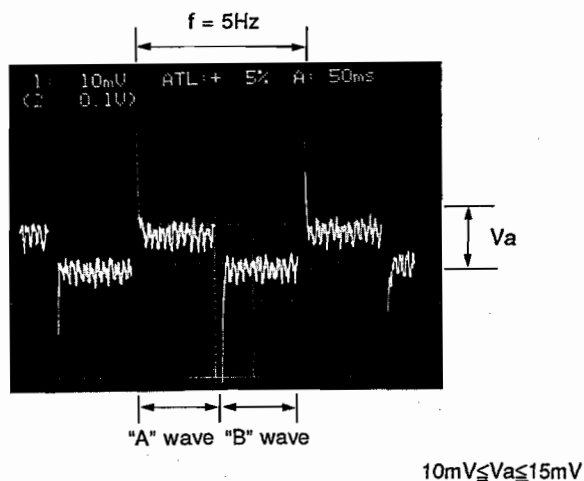
#### 3 Linear motor adjustment

- Do not load the disc.
- Set to the TEST mode.
- Press the ten key "2".
- Short-circuit the RMP terminal and GND.
- Measure the voltage at the FE positive(+) terminal and adjust VR3 so that the specified voltage is obtained. (Linear motor offset adjustment)  
VFE = 0V±50mV (DC)
- Apply a 5Hz, ±0.15V square wave to the RM negative(-) terminal through a 220kΩ resistance so that ±1V voltage is obtained at the FE positive(+) terminal.



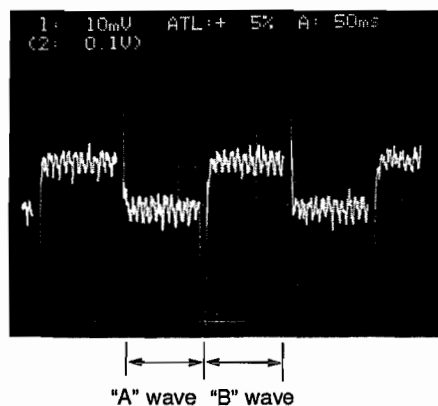


- ⑦ Adjust VR4 so that derivative waveforms as shown below are obtained at the RMS terminal. (Linear motor gain adjustment)



**Note:** The "B" wave should not exceed the "A" wave.

NG

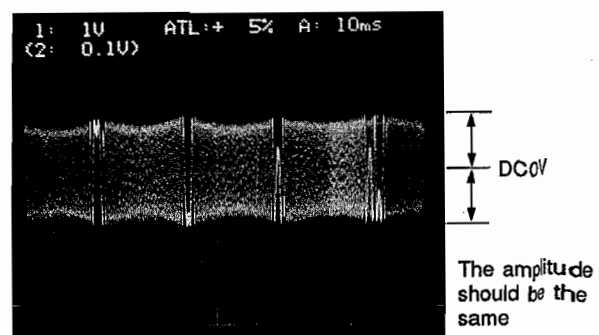


- ⑧ Disconnect the short cord between the RMP terminal and GND.
- ⑨ Measure the voltage at the FE (+) terminal and adjust VR3 so that the specified voltage is obtained. (Linear motor offset adjustment)  
VFE =  $0\text{V} \pm 50\text{mV}$  (DC)

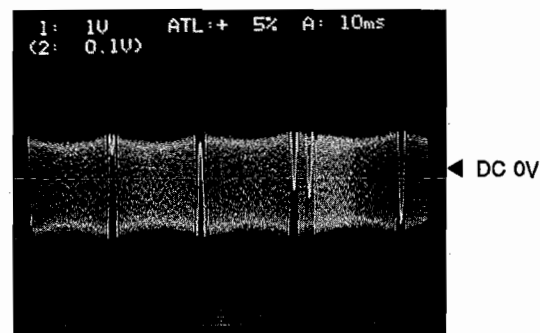
#### 4 EF balance adjustment

- ① Load a test disc.
  - ② Set to the TEST mode.
  - ③ Press the ten key "3".
  - ④ Adjust VR2 so that the amplitude becomes equal on both sides (upper and lower) of DC 0V in the waveform at the TEA0 terminal.
- Rating : DC offset  $\rightarrow 0\text{V} \pm 50\text{mV}$

OK

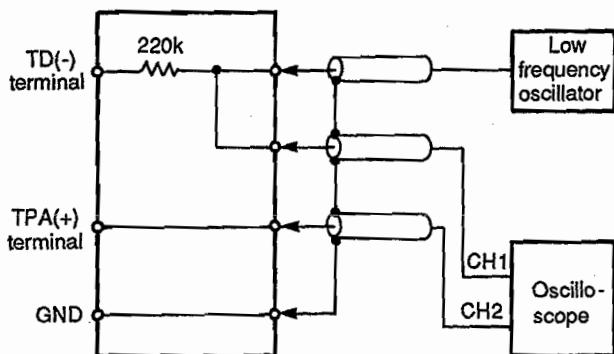


NG



### 5 Tracking gain adjustment

- ① Connect an oscilloscope and a low frequency oscillator to the TD (-) terminal and TPA(+) terminal as shown below.



- ② Load the test disc.
- ③ Set to the TEST mode.
- ④ Press the ten key "4".
- ⑤ Apply a 742Hz, 100mVrms sine wave from the low frequency oscillator to the TD(-) terminal through a 220k $\Omega$  resistance.
- ⑥ Adjust VR7 so that the phase difference between the TD(-) terminal and TPA(+) terminal is 90°.

OK



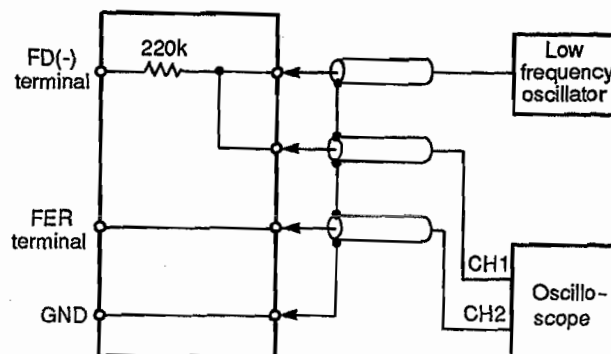
90°

NG



### 6 Focus gain adjustment

- ① Connect an oscilloscope and a low frequency oscillator to the FD(-) terminal and FER terminal as shown below.



- ② Load the test disc.
- ③ Set to the TEST mode.
- ④ Press the ten key "4".
- ⑤ Apply a 740Hz, 2.3Vrms sine wave from the low frequency oscillator to the FD(-) terminal through a 220k $\Omega$  resistance.
- ⑥ Adjust VR6 so that the phase difference between the FD(-) terminal and FER terminal is 90°.

OK



90°

NG



### 7 Focus offset adjustment

- ① Do not load the disc.
- ② Set to the TEST mode.
- ③ Press the ten key "5".
- ④ Measure the voltage at the R terminal and adjust VR5 so that the specified voltage is obtained.  
VR =  $0V \pm 100mV$  (DC)

### 8 Tracking OFF offset adjustment

- ① Do not load the disc.
- ② Set to the TEST mode.
- ③ Press the ten key "5".
- ④ Measure the voltage at the Q terminal and adjust VR8 so that the specified voltage is obtained.  
VQ OFF =  $0V \pm 20mV$  (DC)

### 9 Tracking ON offset adjustment

- ① Do not load the disc.
- ② Set to the TEST mode.
- ③ Press the ten key "6".
- ④ Measure the voltage at the Q terminal and adjust VR4 so that the specified voltage is obtained.  
VQ ON =  $0V \pm 20mV$

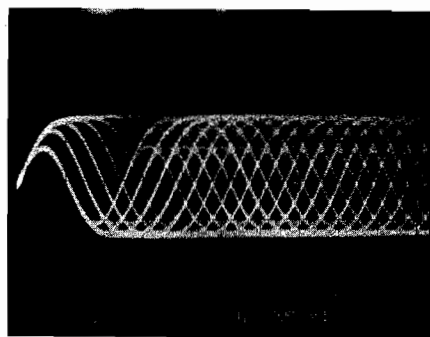
### 10 Linear motor offset adjustment

- ① Do not load the disc.
- ② Set to the TEST mode.
- ③ Press the ten key "7".
- ④ Measure the voltage at the FE(+) terminal and adjust VR3 so that the specified voltage is obtained.  
VFE+ =  $0V \pm 100mV$  (DC)
- ⑤ Press the ten key "8".
- ⑥ Check to make sure that the voltage variation at the FE(+) terminal is less than 0.5V.
- ⑦ If the voltage variation exceeds 0.5V, do the adjustments of the step 3 and then of the step 8 and on again.

### 11 Jitter confirmation

- ① Load the test disc.
- ② Play the track 1 (0:00~0:30).
- ③ Check to make sure that a clear EFM signal (eye pattern) is output at the EFM terminal.

Eye pattern

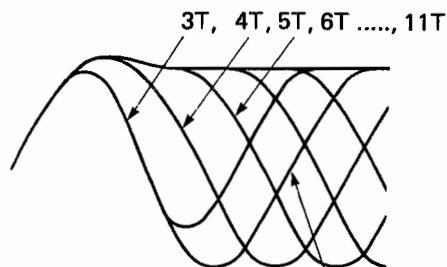


#### Oscilloscope setting conditions

- AC coupling
- 0.5V/div range. (Vertical)  
(50mV/div when 10 : 1 probe is used)
- 0.5μsec/div time. (Horizontal)

#### ● EYE PATTERN

Waveforms 3T – 11T.



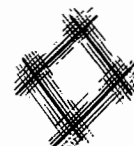
This portion is referred to as the eye pattern.

The abnormal eye pattern has less distinct lines and smaller amplitude than that of a good waveform.

Good waveform



Abnormal waveform



## ■ TEST MODE

### ● Starting TEST mode

While pressing both "4" and "7" ten keys, turn ON the POWER switch.

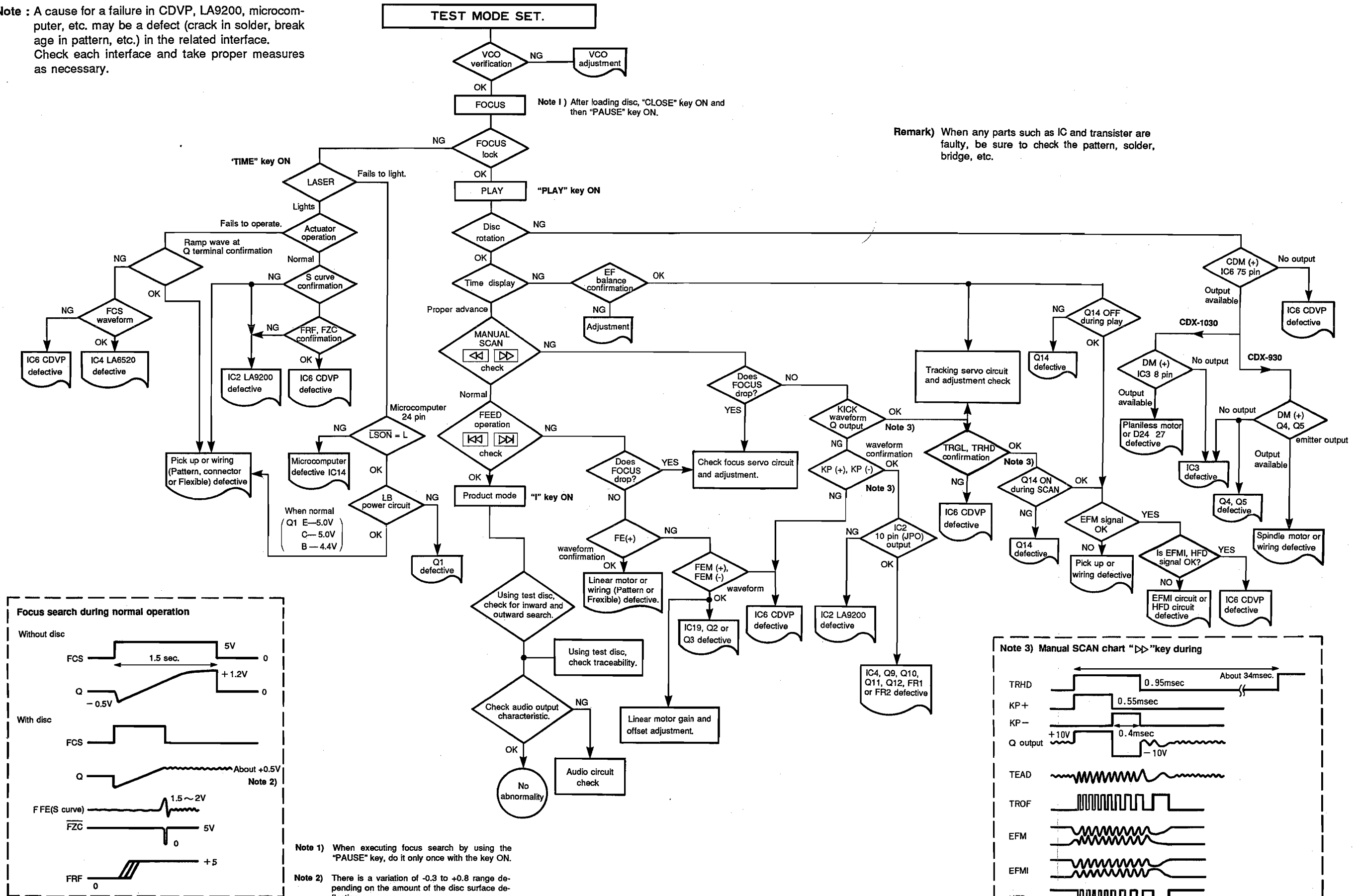
Take fingers off both ten keys, and all the display segments light for about 2 seconds and the operation mode is set to the TEST mode.

### ● Contents of TEST mode key

| KEY                                                                                 | CONTENTS                                                                                                                                                                                                                                                                                                     |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>FILE PLOG</b>                                                                    | VCO circuit gain control (Microcomputer 22pin "PLAY" terminal) H <br>VCO circuit gain control (Microcomputer 22pin "PLAY" terminal) L  |
| <b>DELETE CLEAR</b>                                                                 | Audio output MUTE control (Microcomputer 23pin "MUTE" terminal) H<br>Audio output MUTE control (Microcomputer 23pin "MUTE" terminal) L<br><b>Note:</b> Inoperable when digital output is ON.                                                                                                                 |
| <b>OPEN/CLOSE</b>                                                                   | Open/Close.                                                                                                                                                                                                                                                                                                  |
| <b>+10</b>                                                                          | Disc brake.                                                                                                                                                                                                                                                                                                  |
| <b>1</b>                                                                            | Return to product mode.                                                                                                                                                                                                                                                                                      |
| <b>2</b>                                                                            | For adjusting VCO, linear motor gain offset and tracking focus offset.<br>The tray is opened and LB is turned ON.<br><b>Note:</b> Inoperable without a tray.                                                                                                                                                 |
| <b>3</b>                                                                            | For adjusting EF balance.<br>The tray is closed and locked from focus search, and then the disc rotation is started.<br>TR—OFF                                                                                                                                                                               |
| <b>4</b>                                                                            | For adjusting tracking focus gain.<br>Playing is started.                                                                                                                                                                                                                                                    |
| <b>5</b>                                                                            | For adjusting tracking focus offset.<br>The tray is opened and LB is turned ON. But TR should be OFF.<br>(TR—OFF ..... H)                                                                                                                                                                                    |
| <b>6</b>                                                                            | For adjusting tracking offset.<br>The tray is opened and LB is turned ON. But TR should be ON.<br>(TR—OFF ..... L)                                                                                                                                                                                           |
| <b>7</b>                                                                            | For adjusting linear motor offset TR—OFF(H) FEOF(L)                                                                                                                                                                                                                                                          |
| <b>8</b>                                                                            | For adjusting linear motor offset TR—OFF(L) FEOF(L)                                                                                                                                                                                                                                                          |
| <b>9</b>                                                                            | For checking spindle motor. Reverse revolution                                                                                                                                                                                                                                                               |
| <b>10</b>                                                                           | For checking spindle motor. Normal revolution                                                                                                                                                                                                                                                                |
| <b>DOWN UP</b>                                                                      | Digital volume DOWN <b>Note:</b> Inoperable when digital output is ON.<br>Digital volume UP                                                                                                                                                                                                                  |
| <b>REPEAT RANDOM</b>                                                                | TR—OFF "TR—OFF ..... H"<br>TR—ON "TR—OFF ..... L"                                                                                                                                                                                                                                                            |
|  | Manual search                                                                                                                                                                                                             |
|  | Manual search                                                                                                                                                                                                             |
| <b>TIME</b>                                                                         | LB—ON (H)                                                                                                                                                                                                                                                                                                    |
|  | Forced feed Inward                                                                                                                                                                                                                                                                                           |
|  | Forced feed Outward                                                                                                                                                                                                                                                                                          |
| <b>PLAY</b>                                                                         | For setting to PLAY mode.                                                                                                                                                                                                                                                                                    |
| <b>PAUSE</b>                                                                        | Focus search.                                                                                                                                                                                                                                                                                                |
| <b>STOP</b>                                                                         | For setting to STOP mode.                                                                                                                                                                                                                                                                                    |

**Note :** A cause for a failure in CDVP, LA9200, microcomputer, etc. may be a defect (crack in solder, break age in pattern, etc.) in the related interface. Check each interface and take proper measures as necessary.

**Remark)** When any parts such as IC and transistor are faulty, be sure to check the pattern, solder, bridge, etc.



## ■ ERROR MESSAGE

### 1. How to get error code displayed

To get a code for any malfunction displayed, press the STOP key of the remote controller while pressing the STOP key on the main unit in the STOP or OPEN mode.

### 2. How to read error message

When occurrence of an error is detected during operation, a code indicating what has occurred is displayed in the time display segment as shown below.

TOTAL  
SINGLE  
REMAIN E-:00

E0 E1

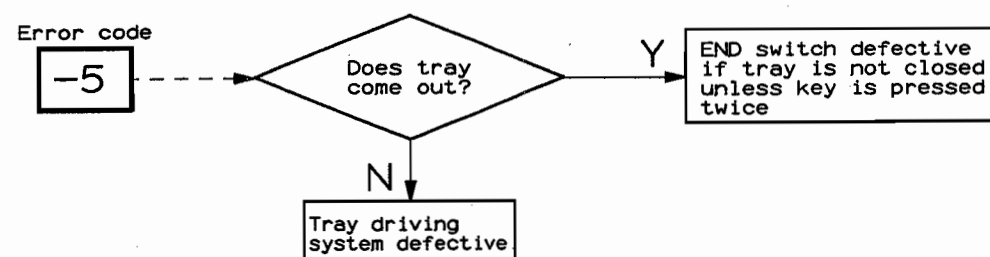
Error message (in two figures)

| E0<br>(STATE) | E1<br>(Phenomenon) | Meaning                                                                              | Remarks          |
|---------------|--------------------|--------------------------------------------------------------------------------------|------------------|
| X             | 0                  | No data reading was executed after search.                                           |                  |
| X             | 1                  | Data reading failed in the mid of each state.                                        | For 5 seconds    |
| 7             | 3                  | No data reading was executed though the disc was turned with focus applied at start. | PLL lock failure |
| —             | 5                  | Tray open NG.                                                                        |                  |
| 9             | 5                  | Tray close NG.                                                                       |                  |
| X             | 8                  | Focus dropped in the mid of each state and could not be restored even when retried.  | Retry 5 times    |

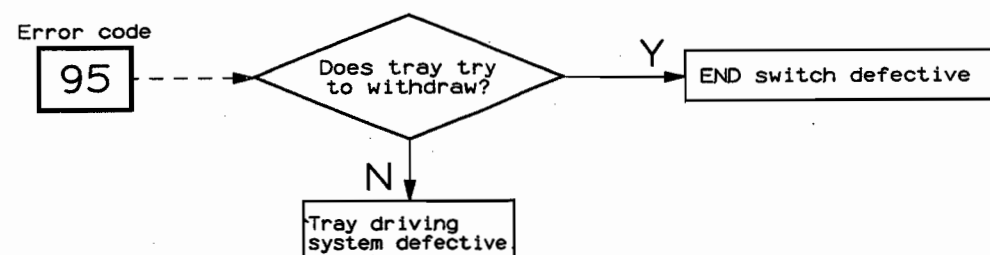
\* Note : X represents each state : PLAY when X=0, MANUAL SEARCH when X=3 and PAUSE when X=4.

### 3. How to locate cause of the error from the error message

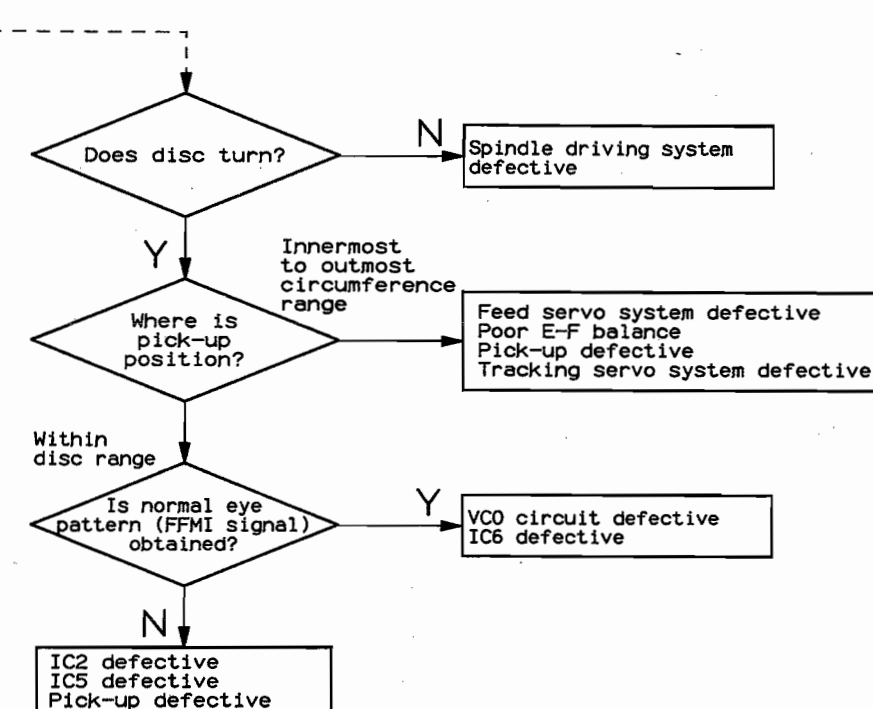
- Tray does not come out even when the power is turned ON and the OPEN/CLOSE key is pressed.



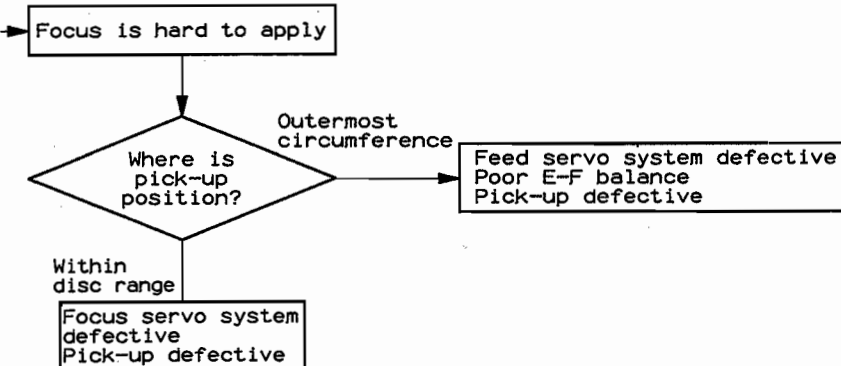
- Tray does not close or even when closed, it opens again after some time.



Error code

**73**

Error code

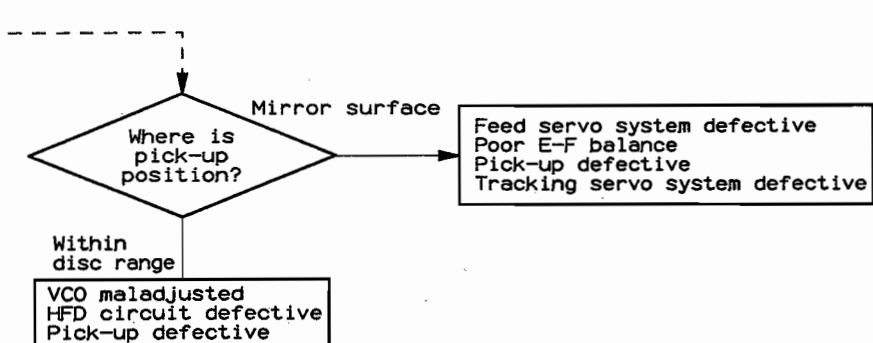
**X8**

Error code

**X1**

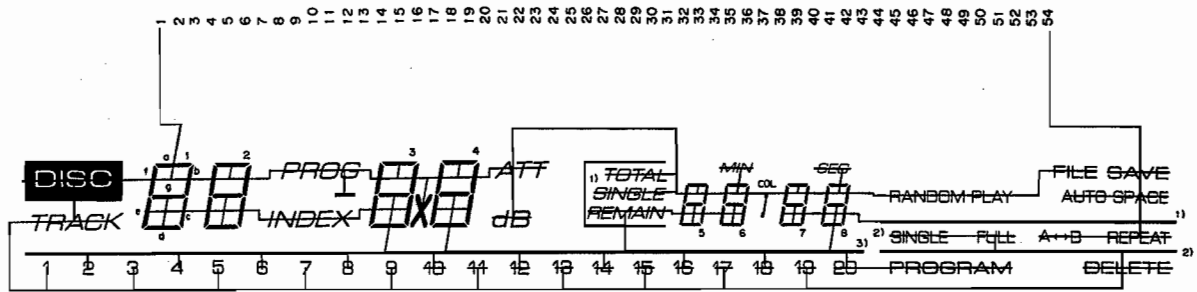
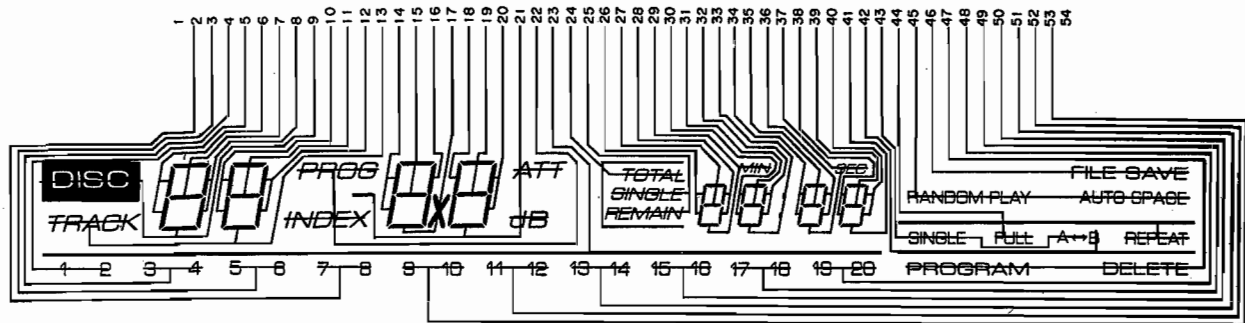
VCO maladjusted  
Disc smudged or scratched

Error code

**X0**

## ■ DISPLAY DATA

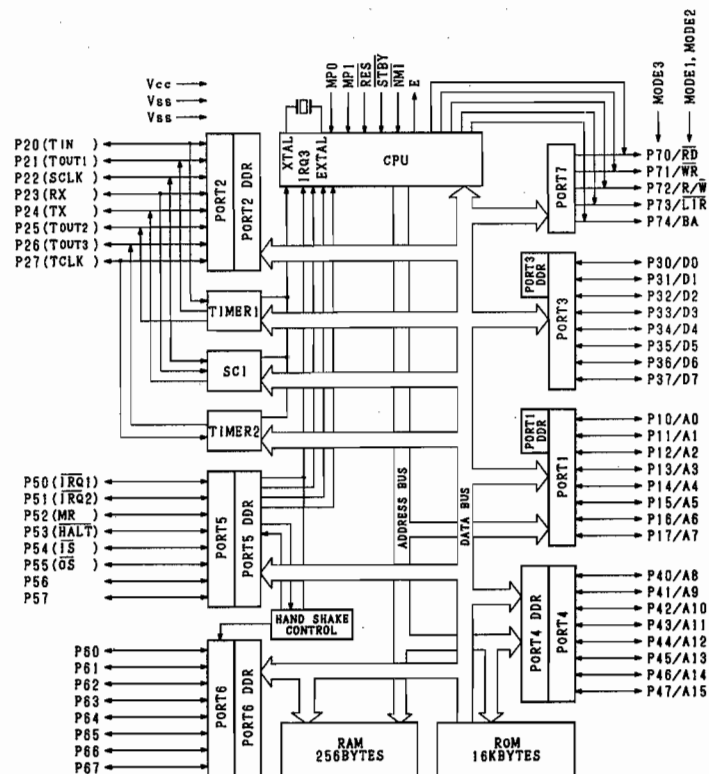
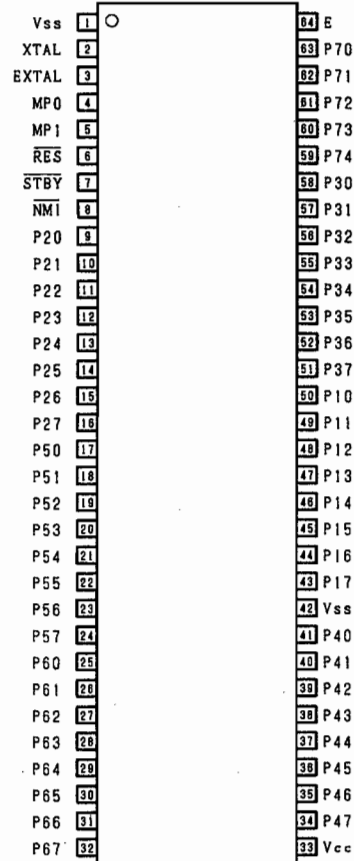
V501 : LCD8107B1JP



| No. | COM1  | COM2 | No. | COM1      | COM2   | No. | COM1 | COM2 | No. | COM1        | COM2        |
|-----|-------|------|-----|-----------|--------|-----|------|------|-----|-------------|-------------|
| 1   | COM   | —    | 15  | 3a        | 3g     | 29  | MIN  | 5d   | 43  | SIGNAL 2)   | A ↔         |
| 2   | 7     | 8    | 16  | 3b        | 3c     | 30  | 6f   | 6e   | 44  | FULL        | 1) □ REPEAT |
| 3   | 5     | 6    | 17  | X         | 3d     | 31  | 6a   | 6g   | 45  | RANDOM PLAY | AUTO SPACE  |
| 4   | 3     | 4    | 18  | 4f        | 4e     | 32  | 6b   | 6c   | 46  | FILE        | SAVE        |
| 5   | 1     | 2    | 19  | 4a        | 4g     | 33  | COL  | 6d   | 47  | DELETE      | PROGRAM     |
| 6   | 1f    | 1e   | 20  | 4b        | 4c     | 34  | 7f   | 7e   | 48  | 19          | 20          |
| 7   | 1a    | 1g   | 21  | ATT dB    | 4d     | 35  | 7a   | 7g   | 49  | 17          | 18          |
| 8   | 1b    | 1c   | 22  | PROG      | INDEX  | 36  | 7b   | 7c   | 50  | 15          | 16          |
| 9   | DISC  | 1d   | 23  | —         | 3) □   | 37  | SEC  | 7d   | 51  | 13          | 14          |
| 10  | 2f    | 2e   | 24  | TOTAL     | □      | 38  | 8f   | 8e   | 52  | 11          | 12          |
| 11  | 2a    | 2g   | 25  | SIGNAL 1) | REMAIN | 39  | 8a   | 8g   | 53  | 9           | 10          |
| 12  | 2b    | 2c   | 26  | 5f        | 5e     | 40  | 8b   | 8c   | 54  | —           | COM         |
| 13  | TRACK | 2d   | 27  | 5a        | 5g     | 41  | —    | 8d   |     |             |             |
| 14  | 3f    | 3e   | 28  | 5b        | 5c     | 42  | 2) □ | B    |     |             |             |

# **IC DATA**

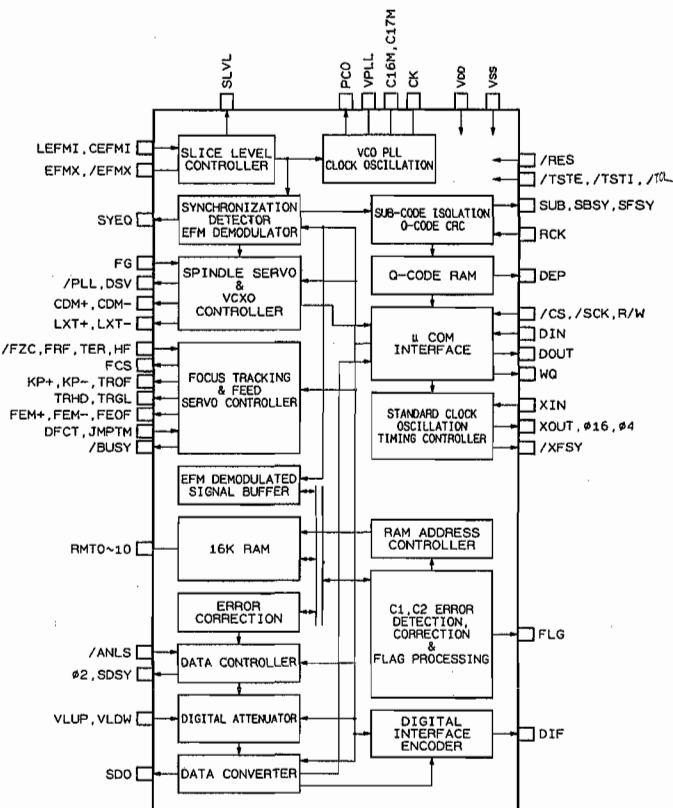
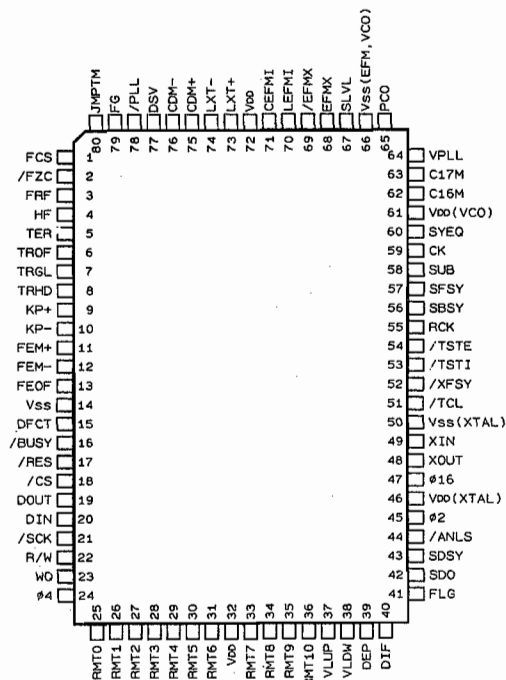
IC14 : HD63B01  
8bit  $\mu$ -COM





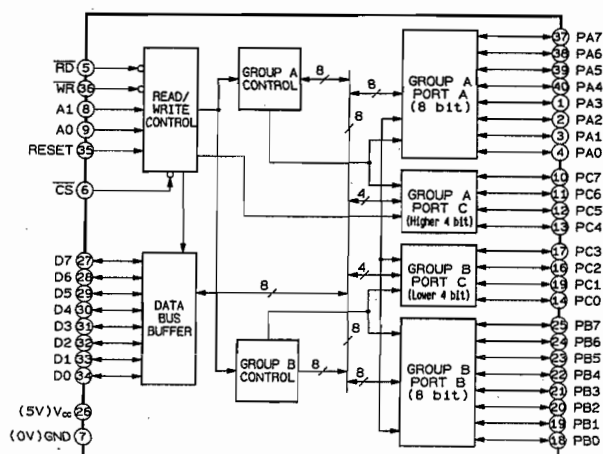
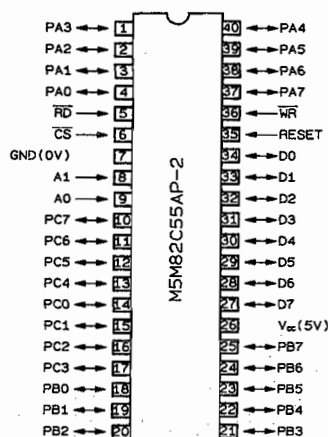
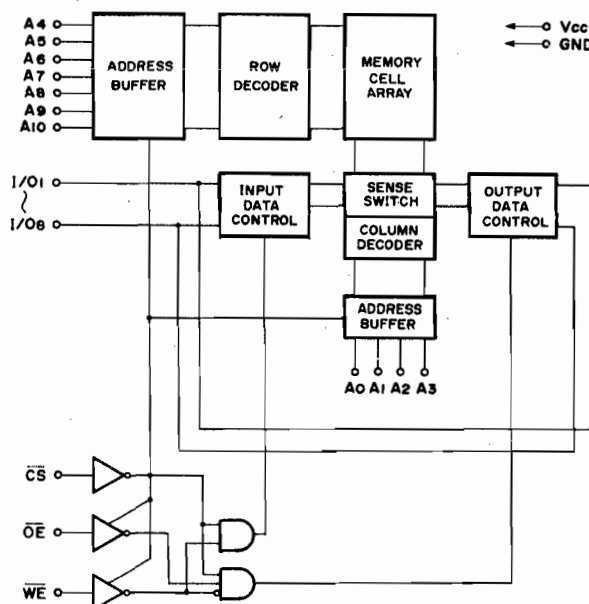
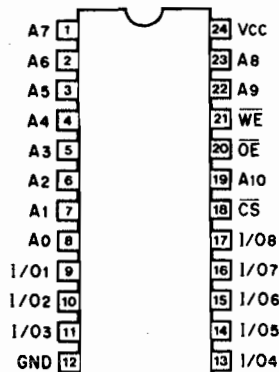
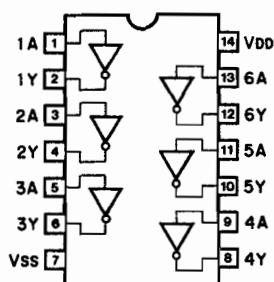
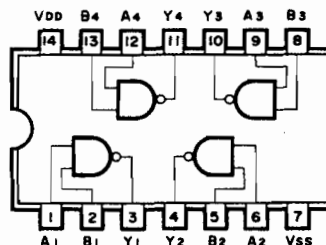
| Pin No. | Pin Name | Function                                                                                                                                                                                               |
|---------|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1       | Vss      | GND                                                                                                                                                                                                    |
| 3       | EXTAL    | External clock input                                                                                                                                                                                   |
| 4       | MP0      | } MP0 "L", MP1 "H" For setting built-in ROM used mode                                                                                                                                                  |
| 5       | MP1      |                                                                                                                                                                                                        |
| 6       | RESET    | Operation starts at  and stops at  . |
| 9       | REM      | Input from remote control beam reception unit                                                                                                                                                          |
| 10      | R/W      | From $\mu$ -COM to YM7402 at "H" From YM7402 to $\mu$ -COM at "L"                                                                                                                                      |
| 11      | SCK      | Serial clock output to YM7402 & LC7582                                                                                                                                                                 |
| 12      | SI       | Serial data input from YM7402                                                                                                                                                                          |
| 13      | SO       | Serial data output to YM7402 & LC7582                                                                                                                                                                  |
| 14      | WQ       | Request signal from YM7402                                                                                                                                                                             |
| 15      | CDVP     | YM7402 chip enable at "L"                                                                                                                                                                              |
| 16      | TER      | Tracking error input                                                                                                                                                                                   |
| 17      | INH      | LCD goes off at "L".                                                                                                                                                                                   |
| 18      | LCD      | LC7582 chip enable at "H"                                                                                                                                                                              |
| 21      | BUSY     | Signal input to indicate that instruction from YM7402 is being executed.                                                                                                                               |
| 22      | PLAY     | VCO gain L at "H" (during play)                                                                                                                                                                        |
|         |          | VCO gain H at "L" (other than during play)                                                                                                                                                             |
| 23      | MUTE     | Sound output at "H" (during play, fast forward, fast reverse)                                                                                                                                          |
|         |          | Sound output mute at "L" (other than above)                                                                                                                                                            |
| 24      | LSON     | Laser diode lights at "L"                                                                                                                                                                              |
| 25      | OPEN     | Tray open operation at OP "H", CL "L"                                                                                                                                                                  |
| 26      | CLOSE    | Tray close operation at OP "L", CL "H"                                                                                                                                                                 |
|         |          | Braking at OP "L", CL "L"                                                                                                                                                                              |
| 27      | OPSW     | Switch input to detect open tray                                                                                                                                                                       |
| 28      | CLSW     | Switch input to detect closed tray                                                                                                                                                                     |
| 29      | FLSW     | Unused                                                                                                                                                                                                 |
| 30      | D OUT    | Sound select switch (DIGITAL $\longleftrightarrow$ ANALOG)                                                                                                                                             |
| 31      | VL UP    | Pulse output for digital volume (for higher volume)                                                                                                                                                    |
| 32      | VL DN    | Pulse output for digital volume (for lower volume)                                                                                                                                                     |
| 33      | VDD      | +5V                                                                                                                                                                                                    |
| 34      | A15      | } Address output to 82C55 and LC3517BL-15                                                                                                                                                              |
| 35      | A14      |                                                                                                                                                                                                        |
| 36      | A13      |                                                                                                                                                                                                        |
| 37      | A12      |                                                                                                                                                                                                        |
| 38      | A11      |                                                                                                                                                                                                        |
| 39      | A10      |                                                                                                                                                                                                        |
| 40      | A9       |                                                                                                                                                                                                        |
| 41      | A8       |                                                                                                                                                                                                        |
| 42      | Vss      |                                                                                                                                                                                                        |
| 43      | A7       |                                                                                                                                                                                                        |
| 44      | A6       |                                                                                                                                                                                                        |
| 45      | A5       |                                                                                                                                                                                                        |
| 46      | A4       |                                                                                                                                                                                                        |
| 47      | A3       |                                                                                                                                                                                                        |
| 48      | A2       |                                                                                                                                                                                                        |
| 49      | A1       |                                                                                                                                                                                                        |
| 50      | A0       |                                                                                                                                                                                                        |
| 51      | D7       | } Data output to 82D55 and LC3517BL-15                                                                                                                                                                 |
| 52      | D6       |                                                                                                                                                                                                        |
| 53      | D5       |                                                                                                                                                                                                        |
| 54      | D4       |                                                                                                                                                                                                        |
| 55      | D3       |                                                                                                                                                                                                        |
| 56      | D2       |                                                                                                                                                                                                        |
| 57      | D1       |                                                                                                                                                                                                        |
| 58      | D0       |                                                                                                                                                                                                        |
| 62      | WR       | Write control signal to 82C55 and LC3517BL-15                                                                                                                                                          |
| 63      | RD       | Read input to 82C55 and LC3517BL-15                                                                                                                                                                    |

## IC6 : YM7402

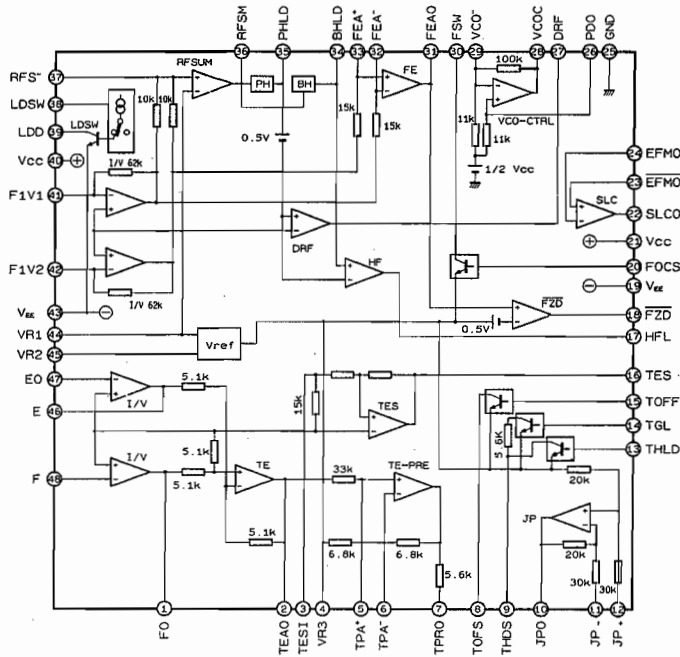
Signal Processor & Controller for  
Compact Disc Player

| Pin No. | Pin Name | I / O | Function                                               |
|---------|----------|-------|--------------------------------------------------------|
| 1       | FCS      | O     | Focus search signal output                             |
| 2       | FZC      | I     | Focus zero cross signal input                          |
| 3       | FRF      | I     | Focus reflection signal input                          |
| 4       | HF       | I     | HF signal input                                        |
| 5       | TER      | I     | Tracking error signal input                            |
| 6       | TROF     | O     | Tracking servo OFF signal output                       |
| 7       | TRGL     | O     | TRGL signal output                                     |
| 8       | TRHD     | O     | Tracking hold signal output                            |
| 9       | KP+      | O     | Outward kick pulse output                              |
| 10      | KP-      | O     | Inward kick pulse output                               |
| 11      | FEM+     | O     | Outward feed pulse output                              |
| 12      | FEM-     | O     | Inward feed pulse output                               |
| 13      | FEOF     | O     | Feed servo OFF signal output                           |
| 14      | Vss      |       | GND                                                    |
| 15      | DFCT     | I     | For setting track count synchronous mode               |
| 16      | BUSY     | O     | Sequence control output (H : End of track count)       |
| 17      | RES      | I     | System reset input                                     |
| 18      | CS       | I     | Chip select input from µ-COM                           |
| 19      | D OUT    | O     | Serial data output to µ-COM                            |
| 20      | D IN     | I     | Serial data input from µ-COM                           |
| 21      | SCK      | I     | Clock input for input/output of serial data with µ-COM |
| 22      | R/W      | I     | Control signal input for data input/output with µ-COM  |
| 23      | WQ       | O     | Request signal output for data output to µ-COM         |
| 24      | Ø4       | O     | System clock output (4.2336MHz)                        |

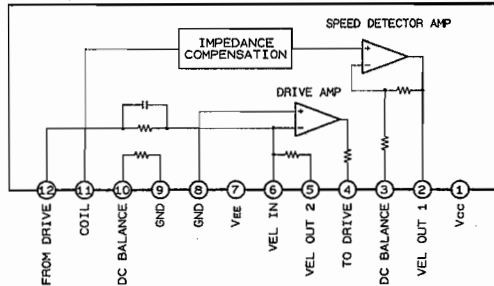
| Pin No. | Pin Name | I / O | Function                                                                                 |
|---------|----------|-------|------------------------------------------------------------------------------------------|
| 25      | RMT0     |       | } For testing internal RAM                                                               |
| 26      | RMT1     |       |                                                                                          |
| 27      | RMT2     |       |                                                                                          |
| 28      | RMT3     |       |                                                                                          |
| 29      | RMT4     |       |                                                                                          |
| 30      | RMT5     |       |                                                                                          |
| 31      | RMT6     |       |                                                                                          |
| 32      | VDD      |       | +5V                                                                                      |
| 33      | RMT7     |       | } For testing internal RAM                                                               |
| 34      | RMT8     |       |                                                                                          |
| 35      | RMT9     |       |                                                                                          |
| 36      | RMT10    |       |                                                                                          |
| 37      | VL UP    | I     | Volume up input                                                                          |
| 38      | VL DW    | I     | Volume down input                                                                        |
| 39      | DEP      | O     | Deemphasis control signal output                                                         |
| 40      | DIF      | O     | Data output for digital interface                                                        |
| 41      | FLG      | O     | Flag output to correct error in SDO output data                                          |
| 42      | SDO      | O     | Serial data output                                                                       |
| 43      | SDSY     | O     | Synchronous signal output (44.1kHz) of SDO output data                                   |
| 44      | ANLS     | I     | Analog sound serial data input                                                           |
| 45      | Ø2       | O     | System lock output (2.1168MHz)                                                           |
| 46      | VDD      |       | XTAL system +5V                                                                          |
| 47      | Ø16      | O     | System lock output                                                                       |
| 48      | X OUT    | O     | } For connecting quartz oscillator (16.9344MHz)                                          |
| 49      | X IN     | I     |                                                                                          |
| 50      | Vss      |       | XTAL system GND                                                                          |
| 51      | TCL      | I     | Test signal input                                                                        |
| 52      | XFSY     | O     | Frame synchronous signal output (7.35kHz)                                                |
| 53      | TSTI     |       | Test mode input                                                                          |
| 54      | TSTE     |       | Test mode control signal input                                                           |
| 55      | RCK      | I     | Clock input for reading sub-code                                                         |
| 56      | SBSY     | O     | Sub-code block synchronization output                                                    |
| 57      | SFSY     | O     | Sub-code frame signal output                                                             |
| 58      | SUB      | O     | Sub-code serial output (P~W)                                                             |
| 59      | CK       | O     | VCO system clock output (4.3218MHz)                                                      |
| 60      | SYEQ     | O     | Synchronous coincidence monitor (H : EFM pattern and internal counter are synchronized.) |
| 61      | VDD      |       | VCO system +5V                                                                           |
| 62      | C16M     | I/O   | For VCO control                                                                          |
| 63      | C17M     | I/O   | For VCO adjusted voltage                                                                 |
| 64      | VPLL     |       | For VCO power supply                                                                     |
| 65      | PCO      | O     | Clock reproduction system phase error output                                             |
| 66      | Vss      |       | EFM, VCO system GND                                                                      |
| 67      | SLVL     | O     | Slice level output                                                                       |
| 68      | EFMX     | O     | Signal output after limiting amplitude of EFM signal input (normal phase)                |
| 69      | EFMX     | O     | Signal output after limiting amplitude of FFM signal output. (reverse phase)             |
| 70      | LEFMI    | I     | LD mode EFM signal input                                                                 |
| 71      | CEFMI    | I     | CD mode EFM signal input                                                                 |
| 72      | VDD      |       | +5V                                                                                      |
| 73      | LXT+     | O     | VCXO frequency up signal output (only in LD mode)                                        |
| 74      | LXT-     | O     | VCXO frequency down signal output (only in LD mode)                                      |
| 75      | CDM+     | O     | Disc motor acceleration signal output (only in CD mode)                                  |
| 76      | CDM-     | O     | Disc motor deceleration signal output (only in CD mode)                                  |
| 77      | DSV      | O     | For system expansion                                                                     |
| 78      | PLL      | O     | PLL operation monitor (L : Spindle control is PLL operated.)                             |
| 79      | FG       | I     | FG signal input                                                                          |
| 80      | JMPTM    | I     | Trigger input to start sequence control                                                  |

**IC17 : M5M82C55AP-2 or MSM82C55A-2RS**  
**Programmable Peripheral Interface**

**IC18 : LC3517BL-15**  
**2048-Word x 8bit Static RAM**

**IC15 :  $\mu$ PD74HCU04C, TC74HCU04P or BU74HCU04**  
**Hex Inverters**

**IC7, 16 : TC74HC00P,  $\mu$ PD74HC00C, M74HC00P, MN74HC00 or BU74HC00**  
**Quad 2-Input NAND Gate**


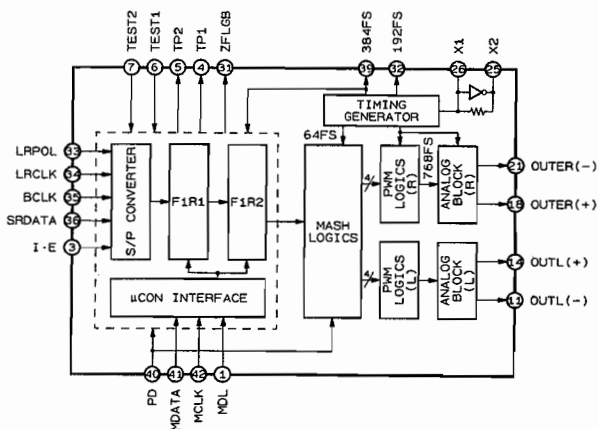
**IC2 : LA9200NM**  
RF Amp & Servo Controller



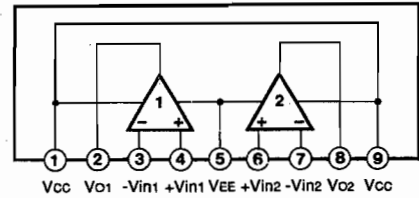
**IC19 : S2FR04**  
Hybrid IC



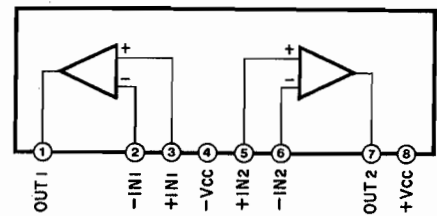
**IC9 : MN6471**  
18bit D/A Converter with Digital Filter



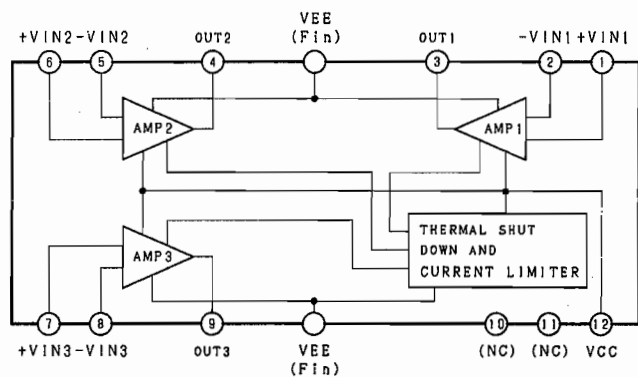
**IC1, 3 : NJM4558S**  
**IC5 : NJM2043S**  
**IC10, 11, 701~704 : NJM5532S**  
Dual Ope-amp



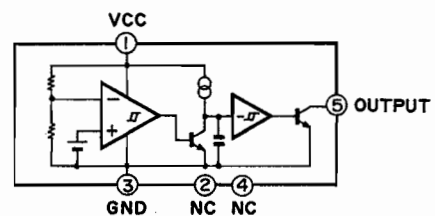
**IC8 : BA15218N or M5218L**  
Dual Ope-amp



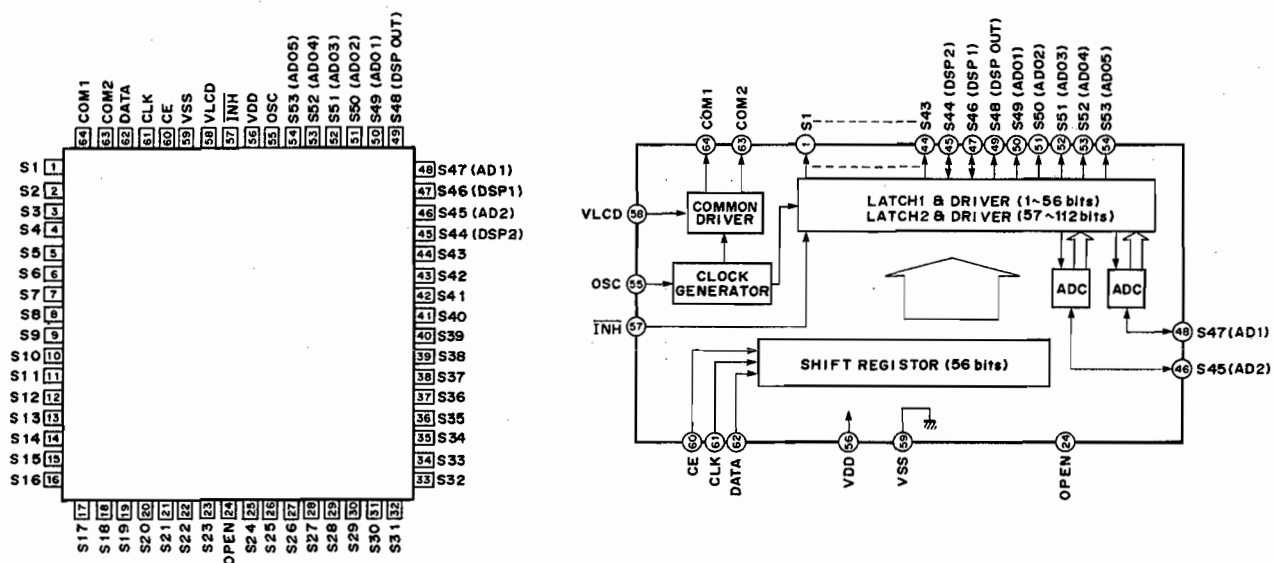
**IC4 : LA6520**  
3-Channel Power Operational Amp



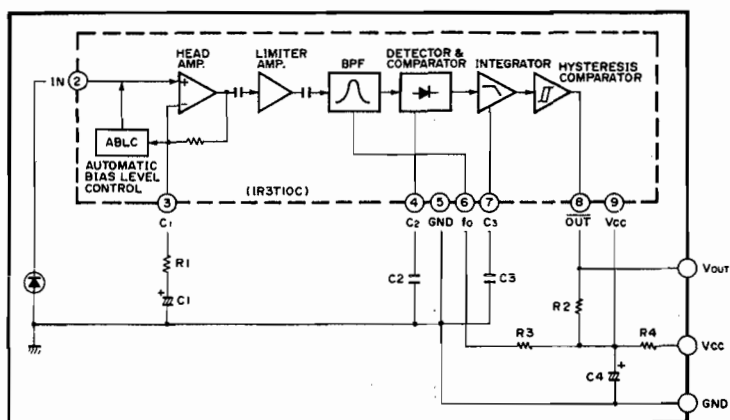
**IC20 : M51951BL**  
System Reset



# IC501 : LC7582 LCD Driver



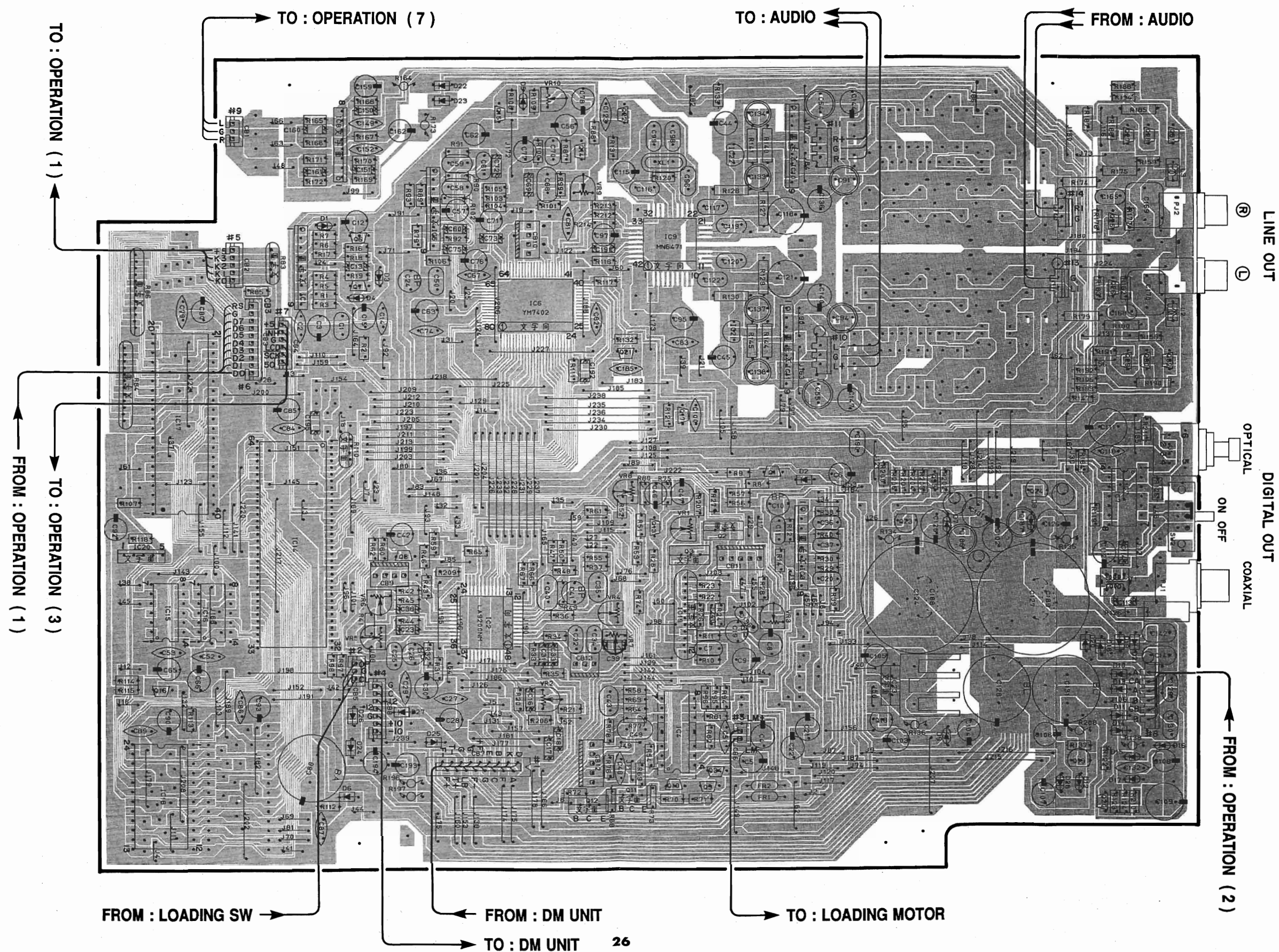
## U501 : GP1U501X Remote Control Receiver Unit



# **PRINTED CIRCUIT BOARD (Foil side)**

Note) 文字面 : Component side

CDX-1030 MAIN C. B (1)

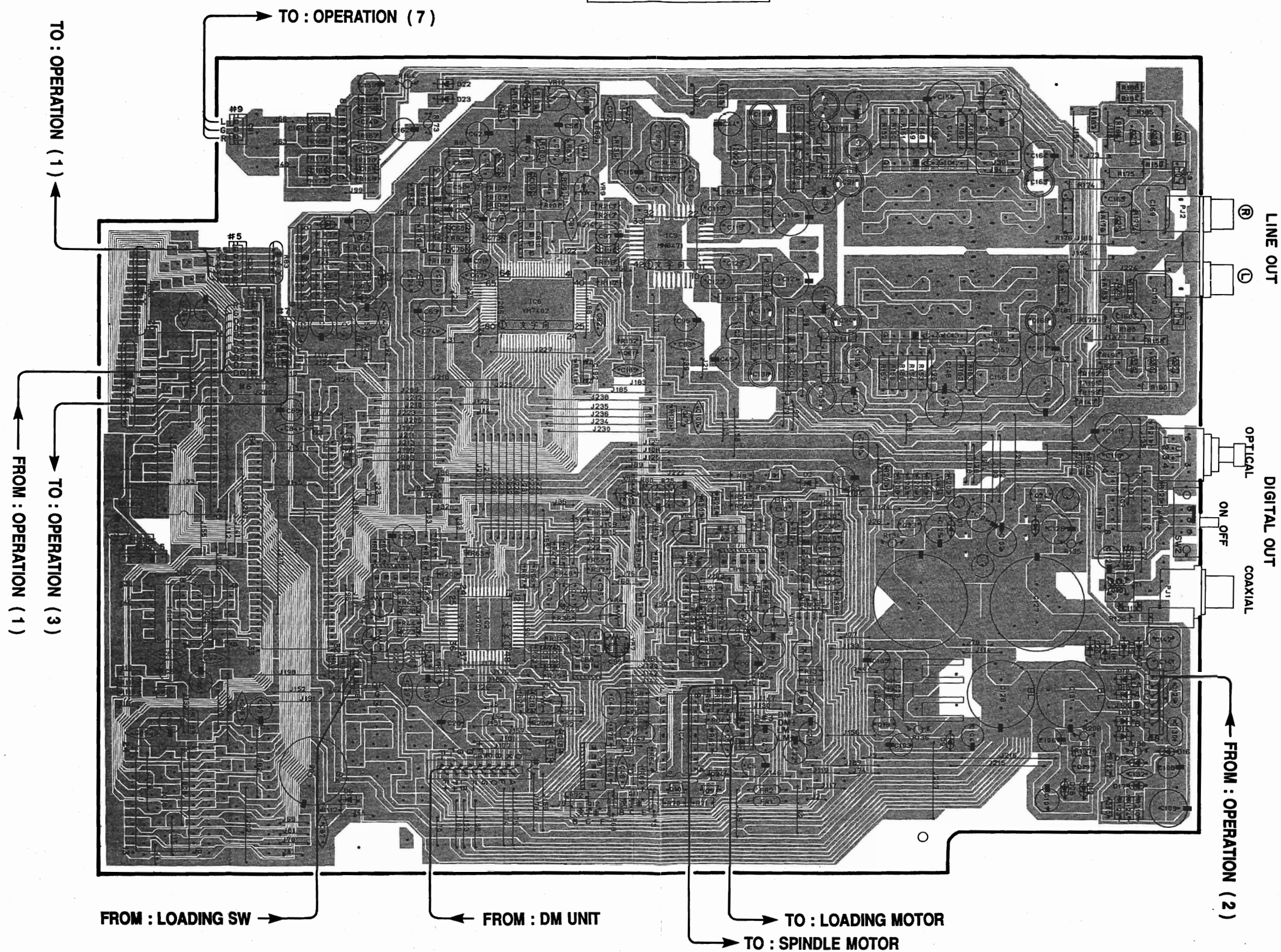




## ■ PRINTED CIRCUIT BOARD (Foil side)

(Note) 文字面 : Component side

CDX-930 MAIN C. B

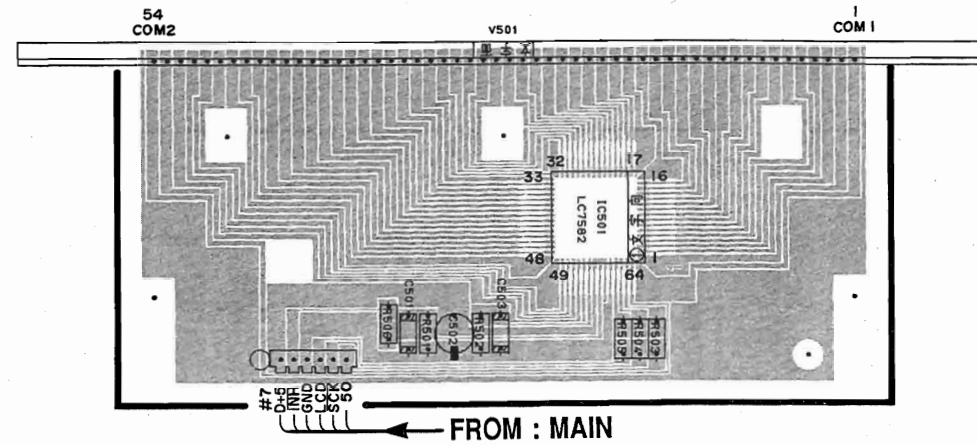




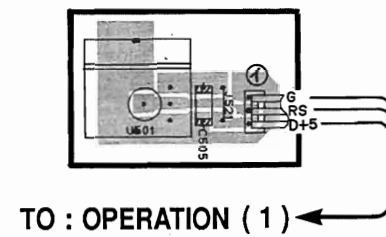
■ **PRINTED CIRCUIT BOARD (Foil side)**

**Note) 文字面 : Component side**

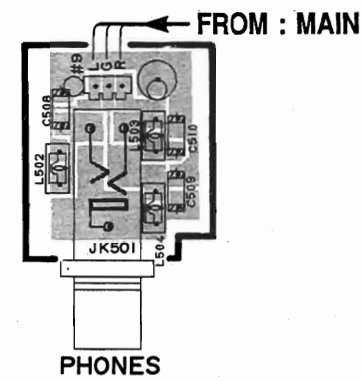
**OPERATION C. B ( 3 )**



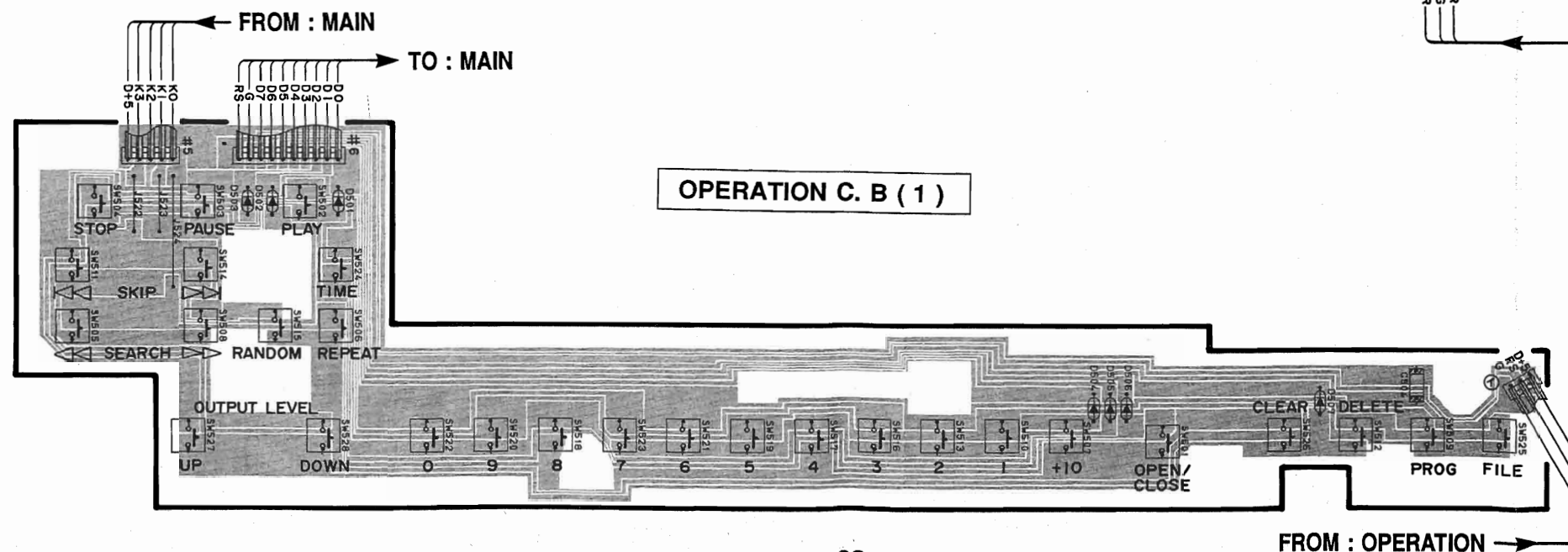
**OPERATION C. B ( 6 )**



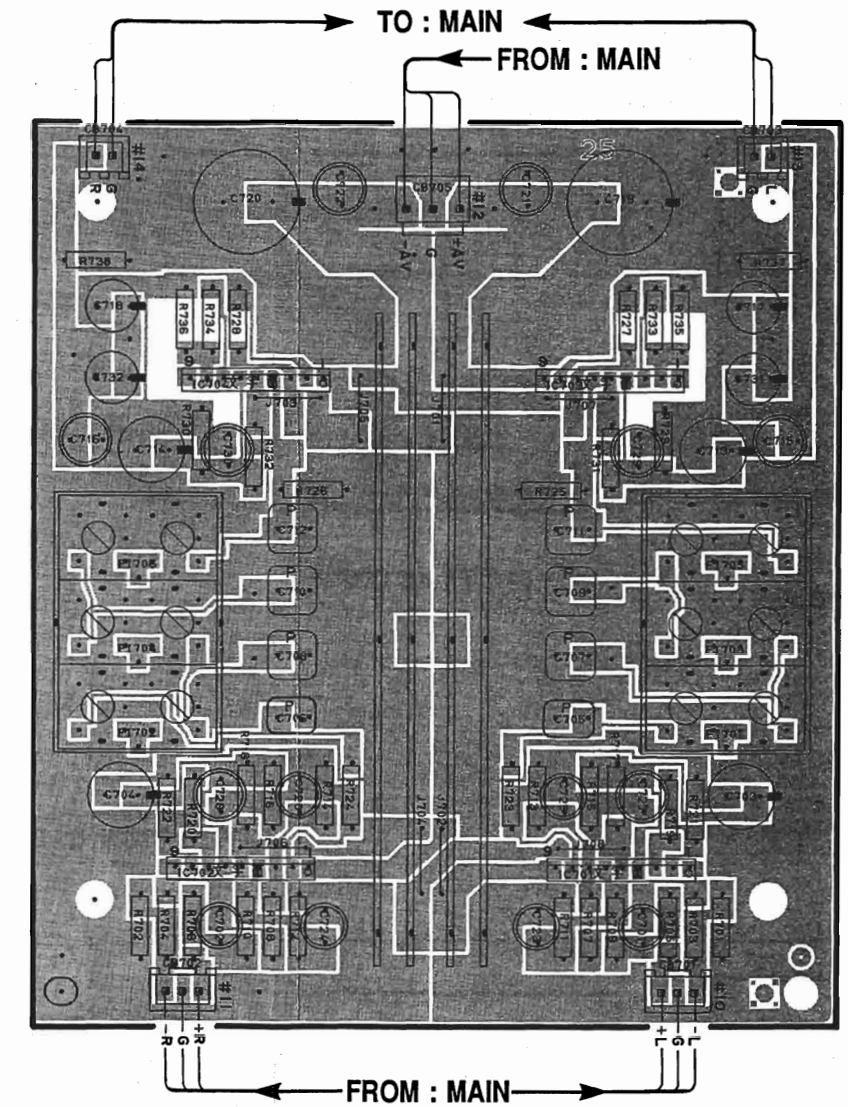
**OPERATION C. B ( 7 )**



**OPERATION C. B ( 1 )**



CDX-1030 AUDIO C. B

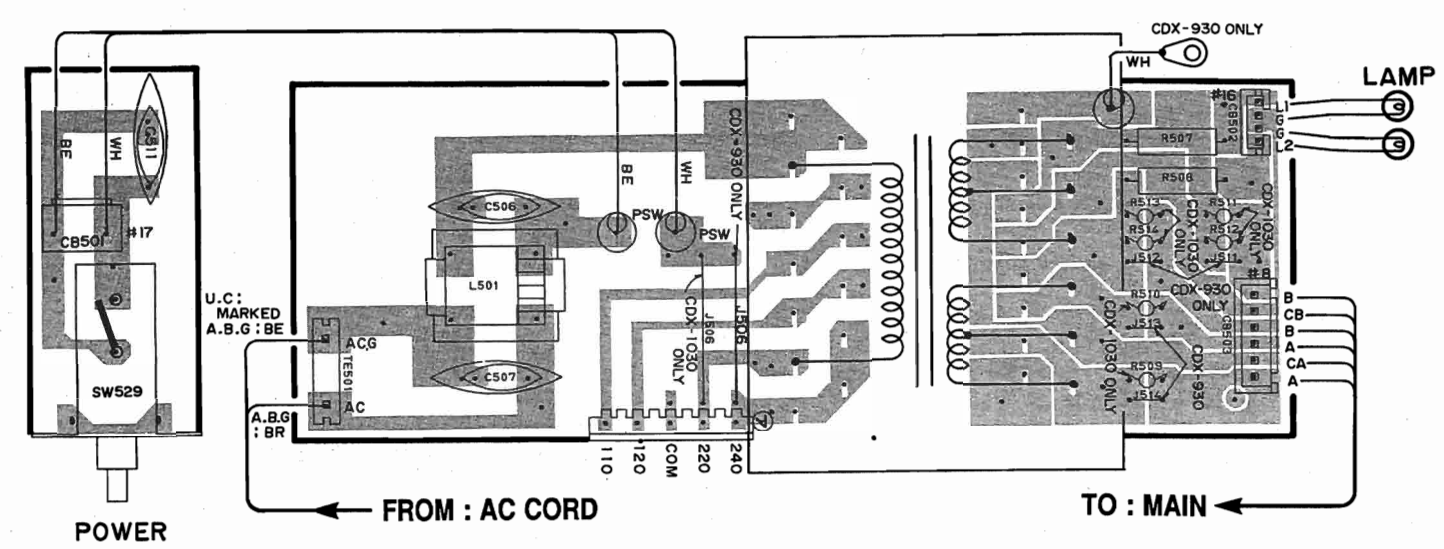


# PRINTED CIRCUIT BOARD (Foil side)

Note) 文字面 : Component side

OPERATION C. B ( 4 )

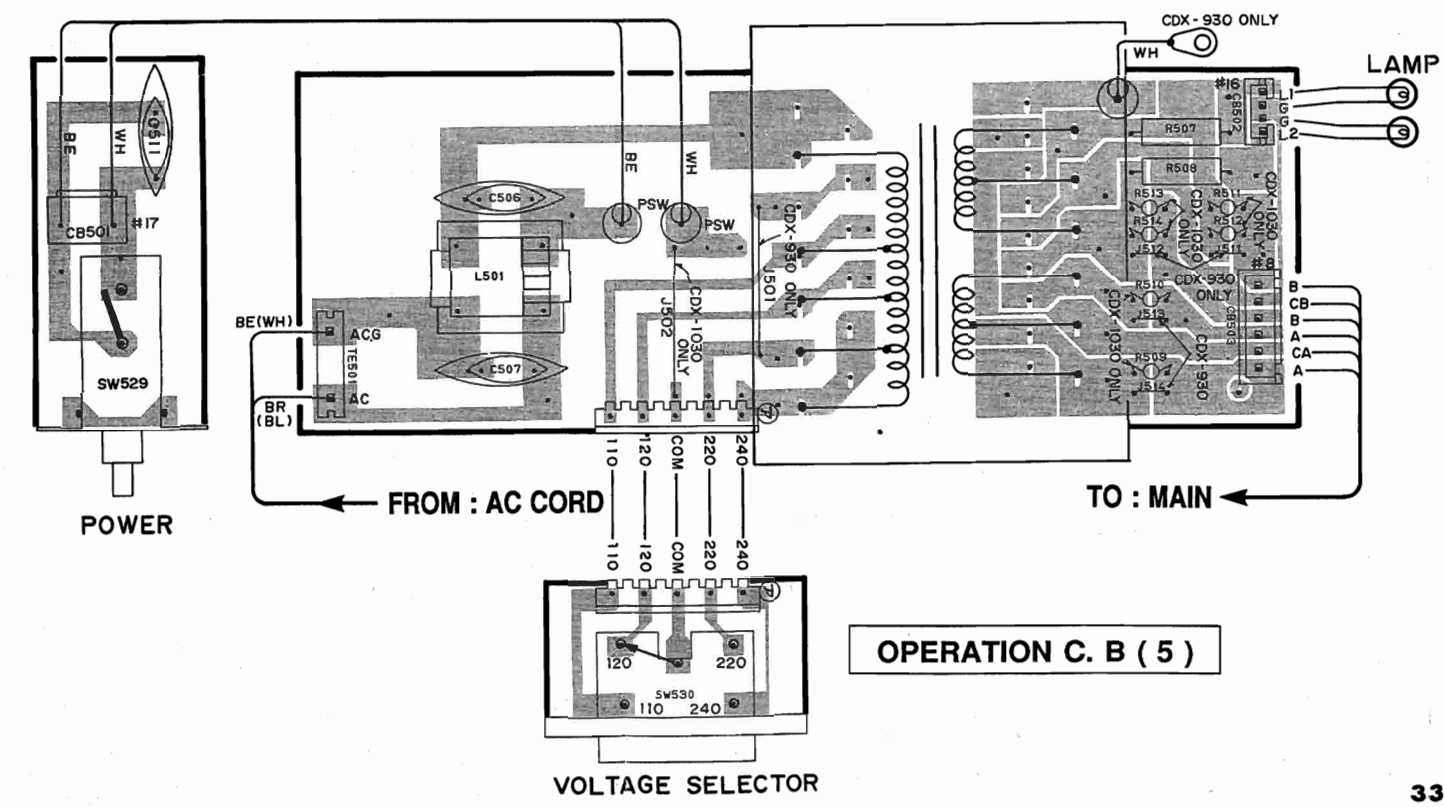
OPERATION C. B ( 2 )



● R model

OPERATION C. B ( 4 )

OPERATION C. B ( 2 )

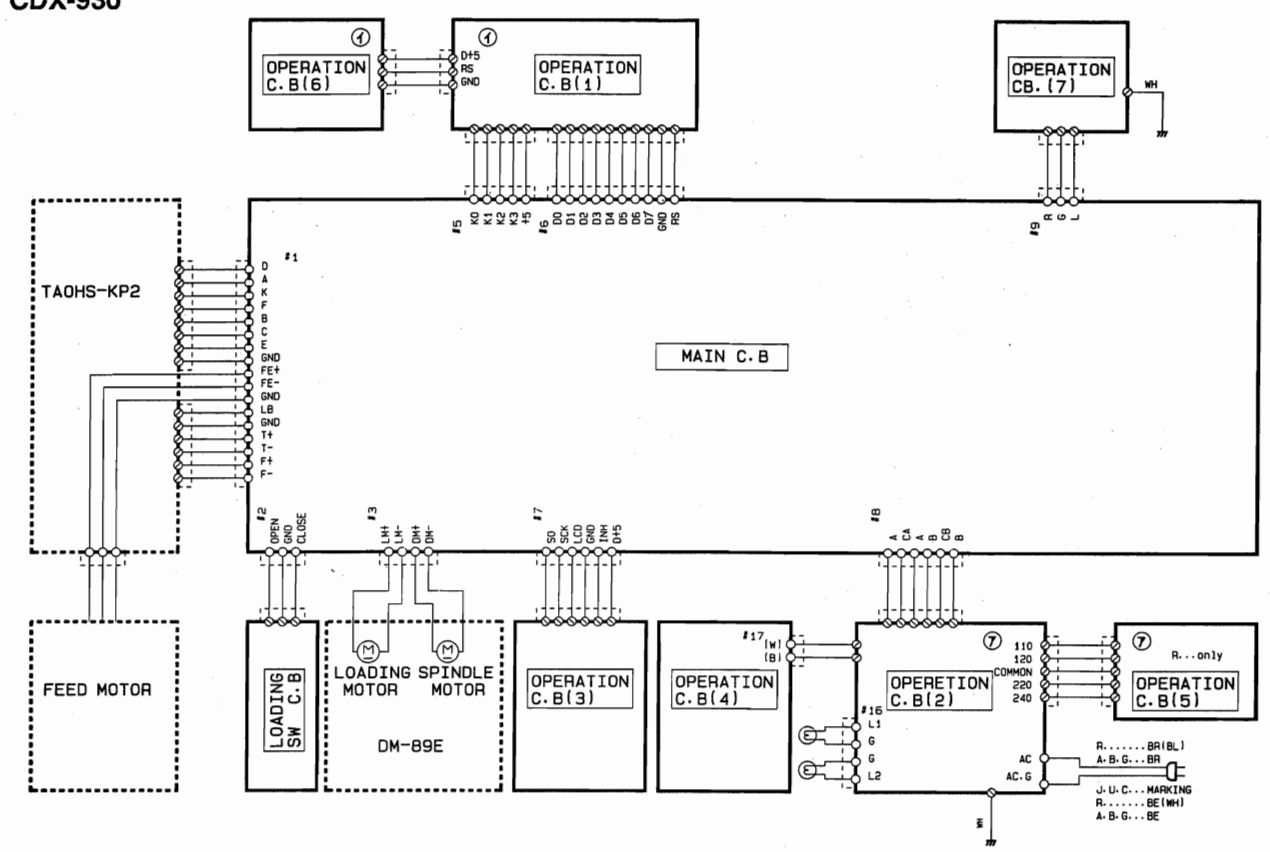


OPERATION C. B ( 5 )

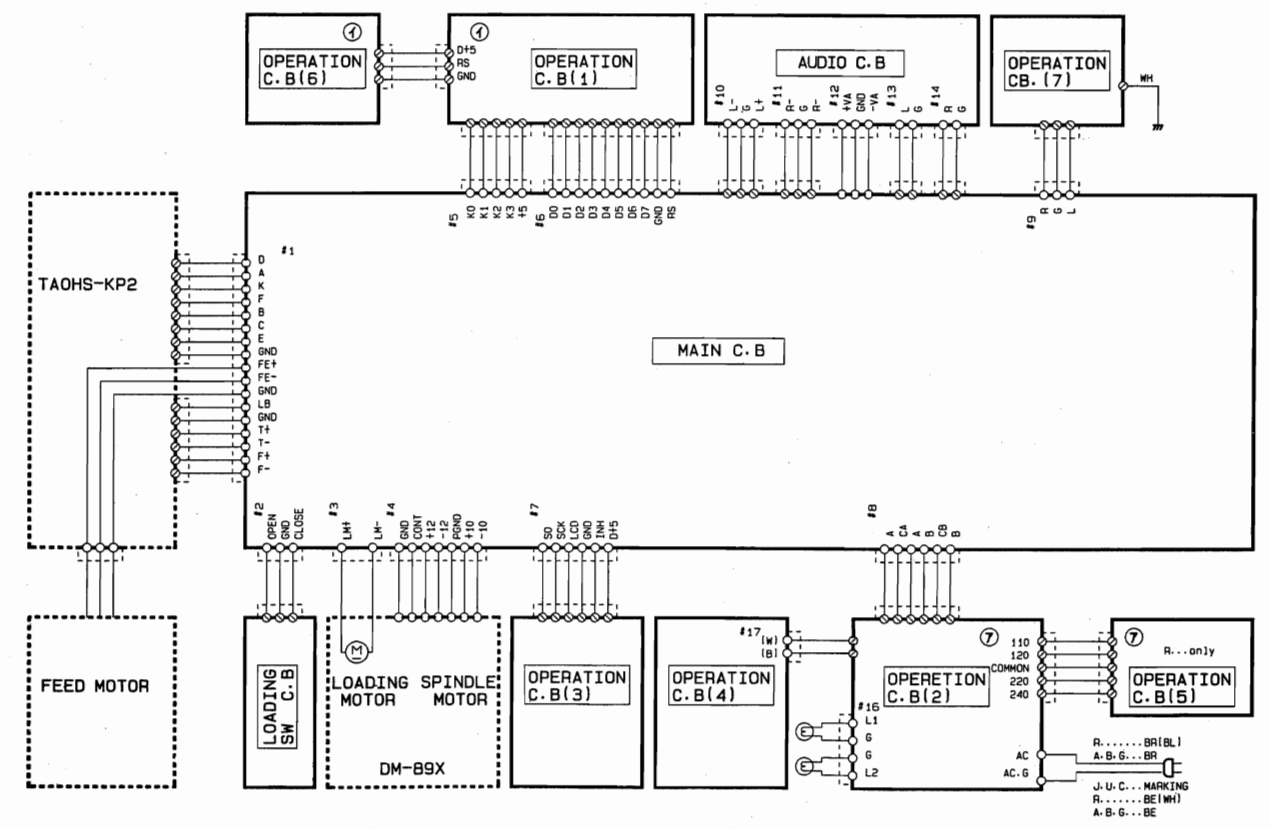
VOLTAGE SELECTOR

# INTERCONNECT WIRING DIAGRAM

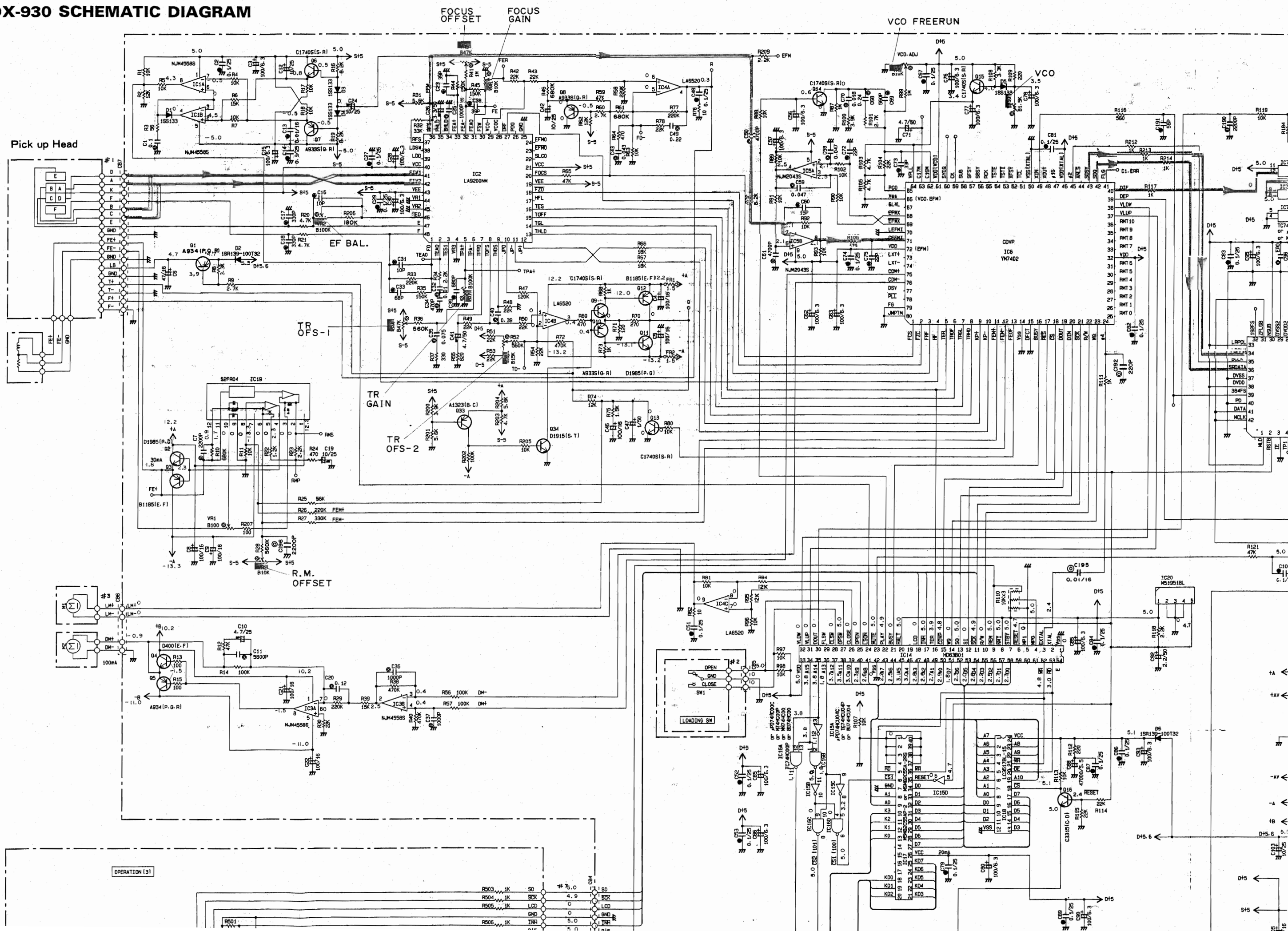
● CDX-930



● CDX-1030



# CDX-930 SCHEMATIC DIAGRAM



# CDX-930

PIN CONNECTION DIAGRAM OF TRANSISTORS, DIODES AND ICs.

|                                                                                                                                                |                                                               |                              |           |                        |                                                             |          |                    |                                  |        |        |                                                                                                    |             |                               |         |        |          |        |
|------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|------------------------------|-----------|------------------------|-------------------------------------------------------------|----------|--------------------|----------------------------------|--------|--------|----------------------------------------------------------------------------------------------------|-------------|-------------------------------|---------|--------|----------|--------|
| 2SA933S(Q,R)<br>2SA1115(E,F)<br>2SA1309A(Q,R,S)<br>2SA934(P,Q,S)<br>2SB544<br>2SA1323(B,C)<br>2SC1740S(S,R)<br>2SC2603(E,F)<br>2SC3311A(Q,R,S) | 2SC3315(C,D)<br>2SC2060(P,Q,R)<br>2SD400(E,F)<br>2SD1915(S,T) | 2SB1185(E,F)<br>2SD1985(P,Q) | μPC78L05J | AN78M05F<br>NJM78M05FA | 1SS133<br>1SR139-100T32<br>MTZJ5.1A<br>MTZJ5.2B<br>MTZJ5.1B | M51951BL | BA15218N<br>M5218L | NJM4558S<br>NJM2043S<br>NJM5532S | S2FR04 | LA6520 | μPD74HC04C<br>TC74HC04P<br>BU74HC04<br>TC74HC00P<br>μPD74HC00C<br>M74HC00P<br>MN74HC00<br>BU74HC00 | LC3517BL-15 | M5M82C55AP-2<br>MSM82C55A-2RS | HD63B01 | MN6471 | LA9200NM | LC7582 |
|                                                                                                                                                |                                                               |                              |           |                        |                                                             |          |                    |                                  |        |        |                                                                                                    |             |                               |         |        |          |        |

INTERCHANGABLE PARTS

| REFERENCE PARTS NUMBER | PART NAME                                        |
|------------------------|--------------------------------------------------|
| Q7, 8, 10, 17, 20~22   | 2SA933S(Q,R) or 2SA1115(E,F) or 2SA1379A(Q,R,S)  |
| Q1, 5, 19, 24          | 2SA934(P,Q,R) or 2SB544                          |
| Q6, 9, 13~15           | 2SC1740S(S,R) or 2SC2603(E,F) or 2SC3311A(Q,R,S) |
| Q4, 18, 23             | 2SC2060(P,Q,R) or 2SD400(E,F)                    |

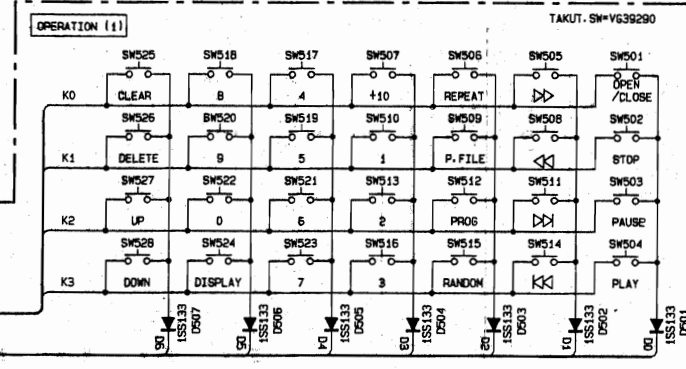
D400(E,F) : D400(E,F) or C2060(P,Q,R)  
C1740S(S,R) : C1740S(S,R) or C2603(E,F) or C3311A(Q,R,S)  
A934(P,Q,R) : A9334(P,Q,R) or B544  
A933S(Q,R) : A933S(Q,R) or A1115(E,F) or A1309A(Q,R,S)

## NOTICE

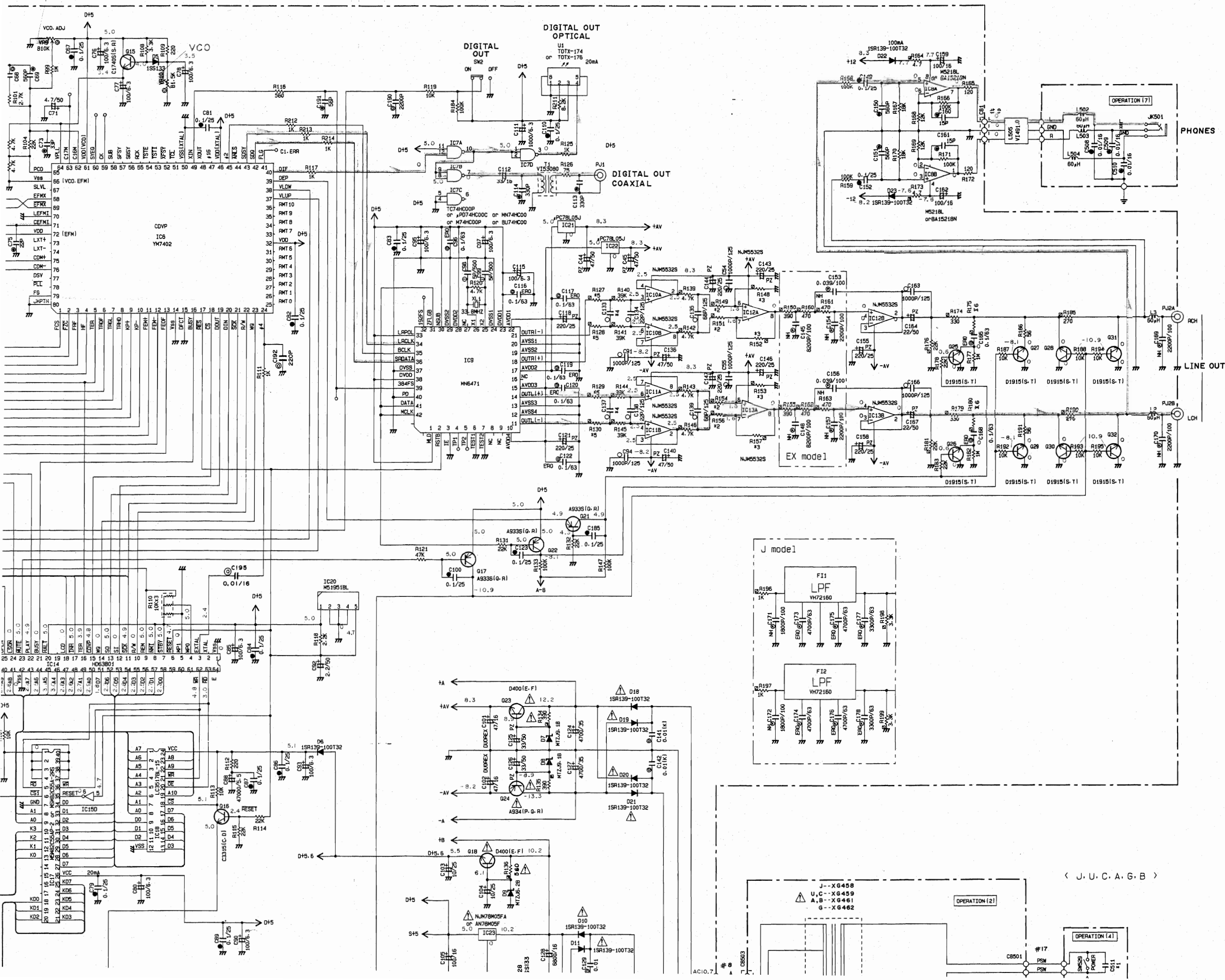
(J)..... Japanese m  
(U)..... U.S.A mode  
(C)..... Canadian m  
(A)..... Australian  
(G)..... European m  
(B)..... British mo  
(R)..... General m  
(P)..... RP model

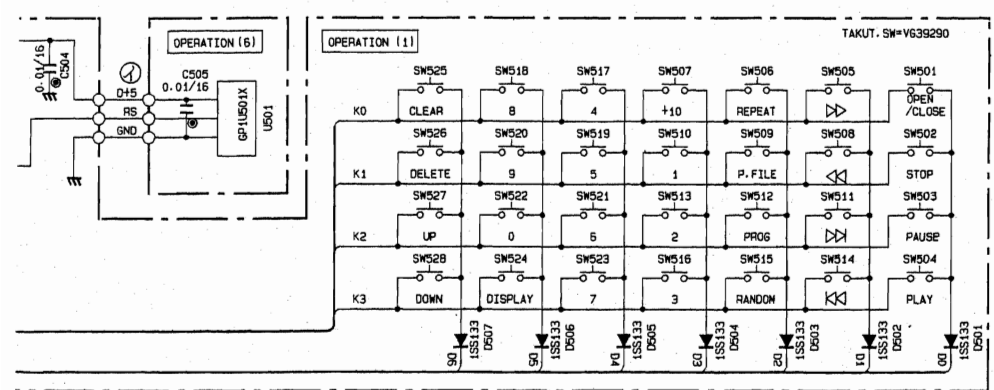
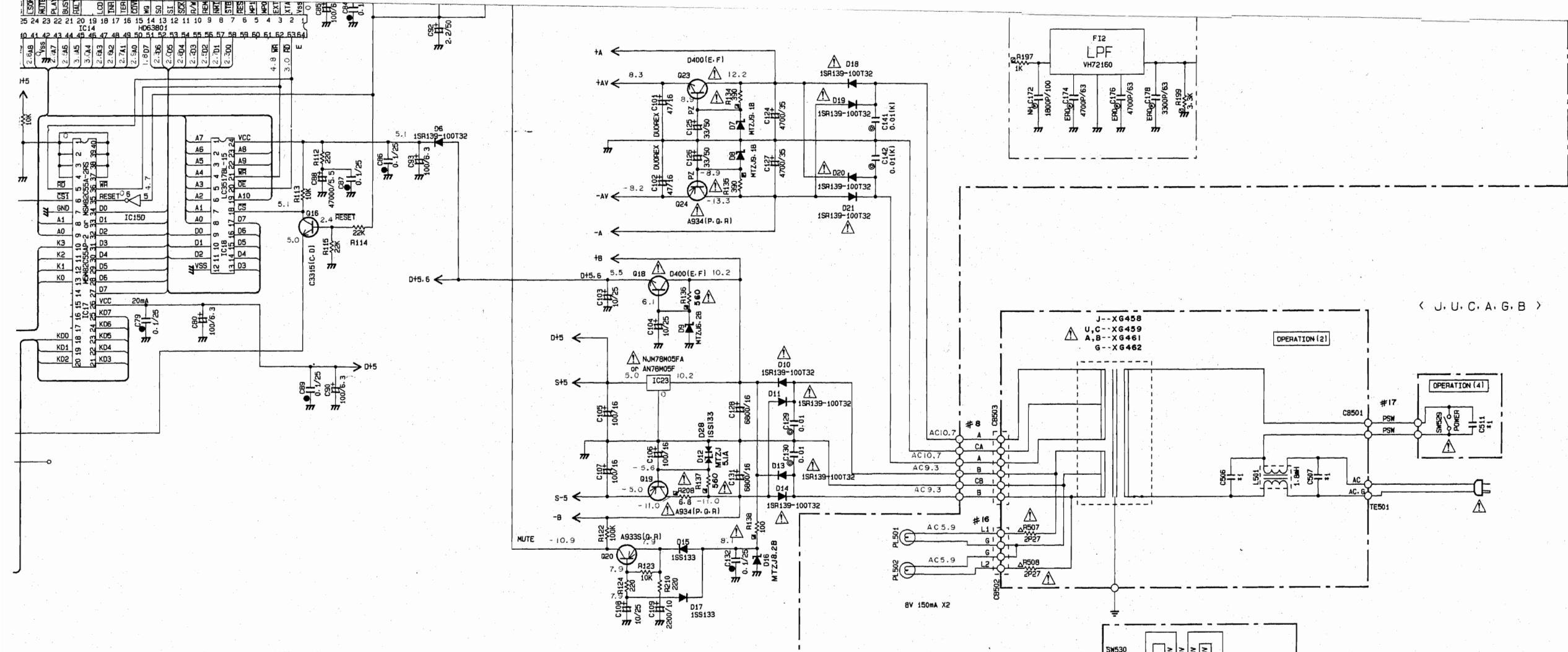
|                 | J        | U.C     | R        | A-B-S    |
|-----------------|----------|---------|----------|----------|
| *1 C505-507-511 | 0.01/250 | 0.01    | 0.01/400 | 0.01/400 |
| R149-151-154    | 3.3K     | 2.7K    | 2.7K     | 2.7K     |
| *2 155          | 15K      | 10K     | 10K      | 10K      |
| R148-152-153    | 15K      | 10K     | 10K      | 10K      |
| *3 157          | 15K      | 10K     | 10K      | 10K      |
| *4 C133-137     | 47P/125  | 39P/125 | 39P/125  | 39P/125  |
| *5 R127-130     | 10K      | 47K     | 47K      | 47K      |
| *6 R175,180     | 120      | 130     |          |          |

TAKUT. SW-V539290









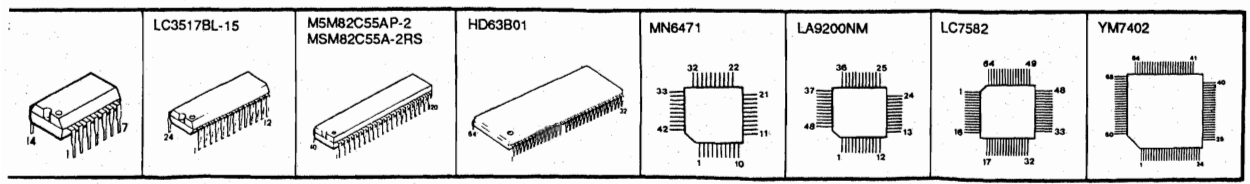
| MAIN     |               | OPERATION |               |
|----------|---------------|-----------|---------------|
| LAST NO. | LN LISTED NO. | LAST NO.  | LN LISTED NO. |
| C        | 192           | C         | 511           |
| R        | 214           | R         | 508           |
| Q        | 32            | Q         | 507           |
| D        | 23            | D         | 501           |
| IC       | 23            | IC        | 501           |

**NOTICE**  
 (J)..... Japanese model  
 (U)..... U.S.A model  
 (C)..... Canadian model  
 (A)..... Australian model  
 (G)..... European model  
 (B)..... British model  
 (R)..... General model  
 (P)..... RP model

| REMARKS | PARTS NAME                      |
|---------|---------------------------------|
| NO MARK | CARBON FILM RESISTOR (1/6W)     |
| □       | CARBON FILM RESISTOR (1/4W)     |
| △       | METAL OXIDE FILM RESISTOR       |
| ▲       | METEL FILM RESISTOR             |
| ⊠       | METEL PLATE RESISTOR            |
| ■       | FIRE PROOF CARBON FILM RESISTOR |
| □       | SEMENT MOLDED RESISTOR          |
| ⊗       | SEMI VARIABLE RESISTOR          |
| ■       | CHIP RESISTOR                   |

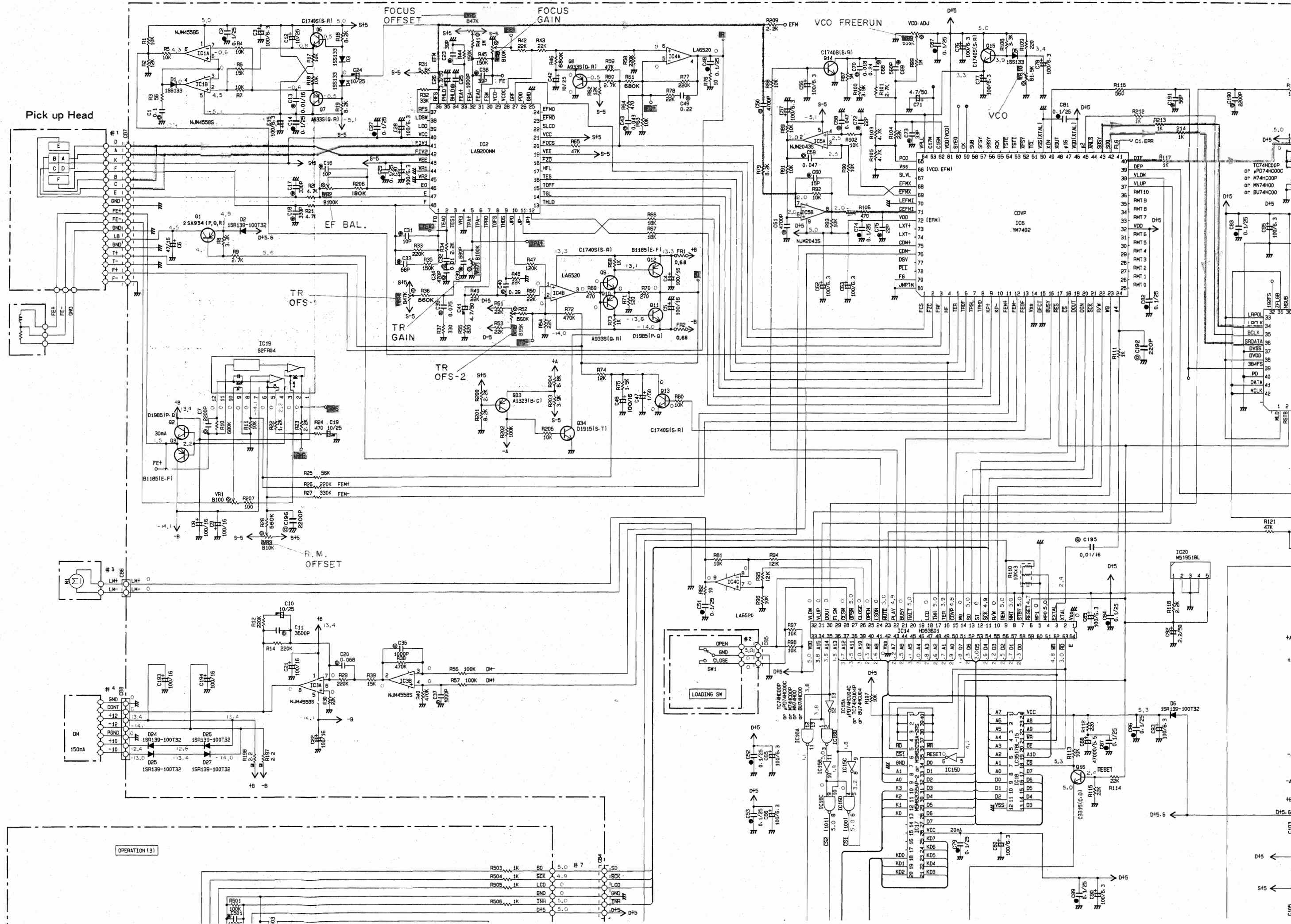
| REMARKS | PARTS NAME                       |
|---------|----------------------------------|
| NO MARK | ELECTROLYTIC CAPACITOR           |
| ⊗       | TANTALUM CAPACITOR               |
| NO MARK | CERAMIC CAPACITOR                |
| ⊙       | POLYESTEL FILM CAPACITOR         |
| ○       | POLYSTYRENE FILM CAPACITOR       |
| ①       | MICA CAPACITOR                   |
| ⊕       | POLYPROPYLENE FILM CAPACITOR     |
| ●       | SEMICONDUCTIVE CERAMIC CAPACITOR |

|              | J        | U-C     | R        | A-B-G    |
|--------------|----------|---------|----------|----------|
| C506-507-511 | 0.01/250 | 0.01    | 0.01/400 | 0.01/400 |
| R149-151-154 | 3.3K     | 2.7K    | 2.7K     | 2.7K     |
| R148-152-153 | 15K      | 10K     | 10K      | 10K      |
| C133-137     | 47P/125  | 39P/125 | 39P/125  | 39P/125  |
| R127-130     | 10K      | 47K     | 47K      | 47K      |
| R175,180     | 120      | 130     |          |          |



\* All voltage are measured with a 10MΩ/DC electric volt meter.  
 \* Components having special characteristics are marked △ and must be replaced with parts having specifications equal to those originally installed.  
 \* Schematic diagram is subject to change without notice.

## CDX-1030 1/2 SCHEMATIC DIAGRAM



# CDX-1030

## PIN CONNECTION DIAGRAM OF TRANSISTORS, DIODES AND ICs.

|                                                                                                                                                |                                                               |                              |           |                        |                                                            |          |                    |                                  |        |        |                                                                                                    |             |                               |         |        |          |        |
|------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|------------------------------|-----------|------------------------|------------------------------------------------------------|----------|--------------------|----------------------------------|--------|--------|----------------------------------------------------------------------------------------------------|-------------|-------------------------------|---------|--------|----------|--------|
| 2SA933S(Q,R)<br>2SA1115(E,F)<br>2SA1908A(Q,R,S)<br>2SA934(P,Q,S)<br>2SB544<br>2SA1323(B,C)<br>2SC1740S(S,R)<br>2SC2603(E,F)<br>2SC3311A(Q,R,S) | 2SC3315(C,D)<br>2SC2060(P,Q,R)<br>2SD400(E,F)<br>2SD1915(S,T) | 2SB1105(E,F)<br>2SD1985(P,Q) | μPC78L05J | AN78M05F<br>NJM78M05FA | 1SS133<br>1SR139-100T32<br>MTZJ5.1A<br>MTZJ6.2B<br>MTZJ16A | M51951BL | BA15218N<br>M5218L | NJM4558S<br>NJM2043S<br>NJM5532S | S2FR04 | LA6520 | μPD74HC04C<br>TC74HC04P<br>BU74HC04<br>TC74HC00P<br>μPD74HC00C<br>M74HC00P<br>MN74HC00<br>BU74HC00 | LC3517BL-15 | MSM82C55AP-2<br>MSM82C55A-2RS | HD63B01 | MN6471 | LA9200NM | LC7582 |
|                                                                                                                                                |                                                               |                              |           |                        |                                                            |          |                    |                                  |        |        |                                                                                                    |             |                               |         |        |          |        |

## INTERCHANGABLE PARTS AT MANUFACTURE - STAGE

| REFERENCE PARTS NO.   | PARTS NAME                                       |
|-----------------------|--------------------------------------------------|
| Q 7, 8, 10, 17, 20~22 | 2SA933S(Q,R) or 2SA1115(E,F) or 2SA1309A(Q,R,S)  |
| Q 1, 19, 24           | 2SA934(P,Q,R) or 2SB544                          |
| Q 6, 9, 13~15         | 2SC1740S(S,R) or 2SC2603(E,F) or 2SC3311A(Q,R,S) |
| Q 18, 23              | 2SC2060(P,Q,R) or 2SD400(E,F)                    |

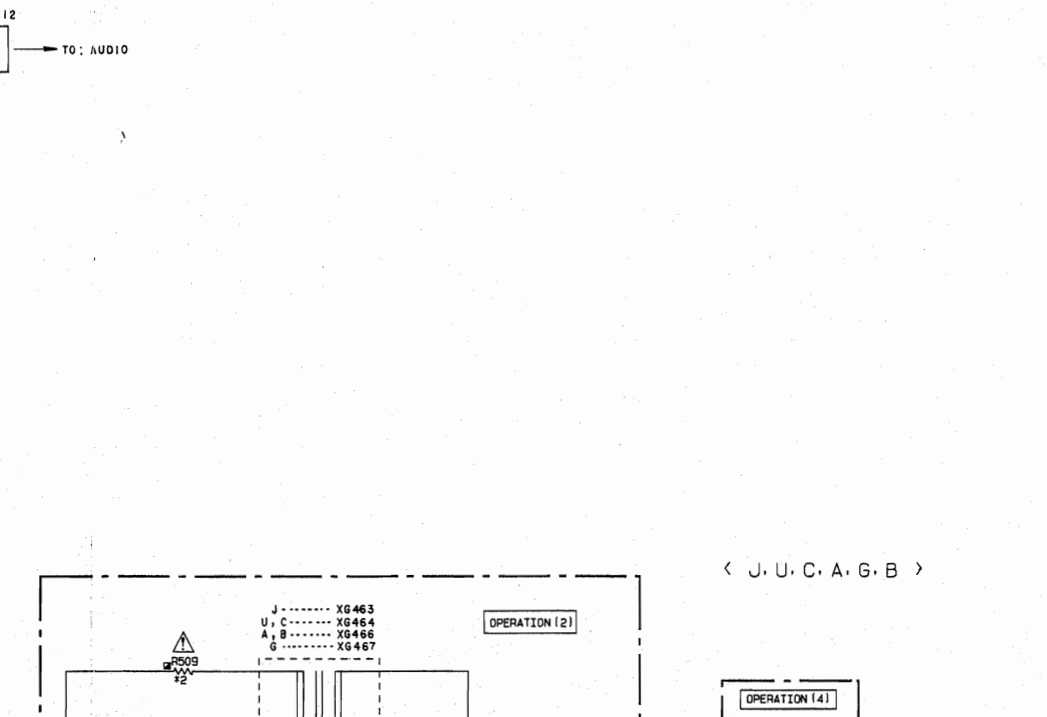
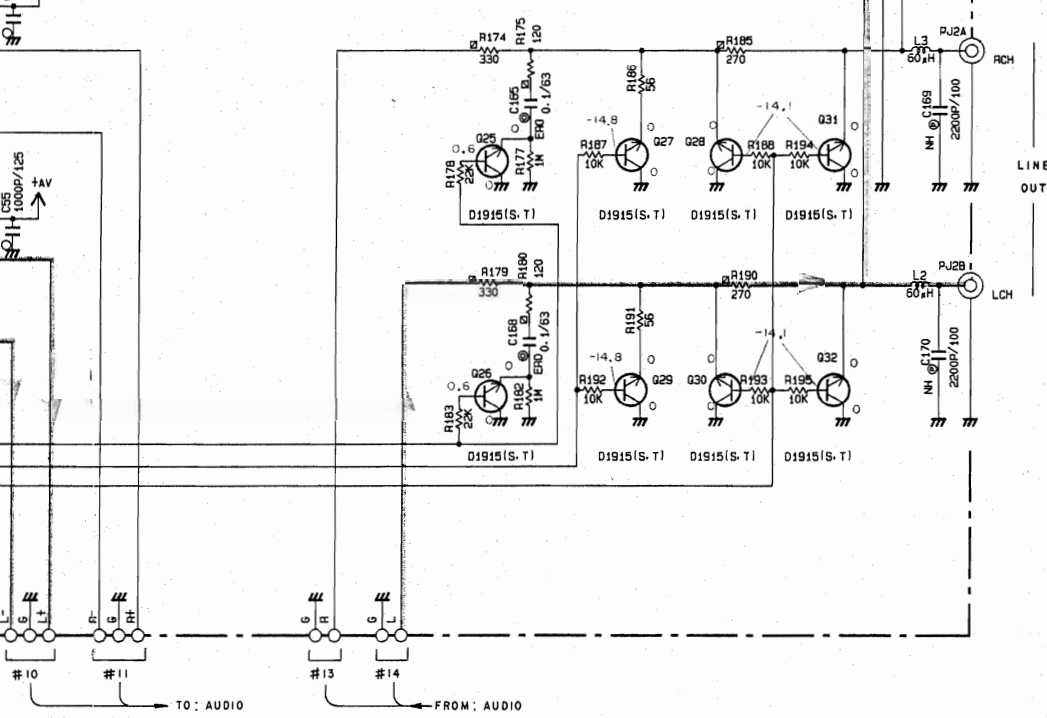
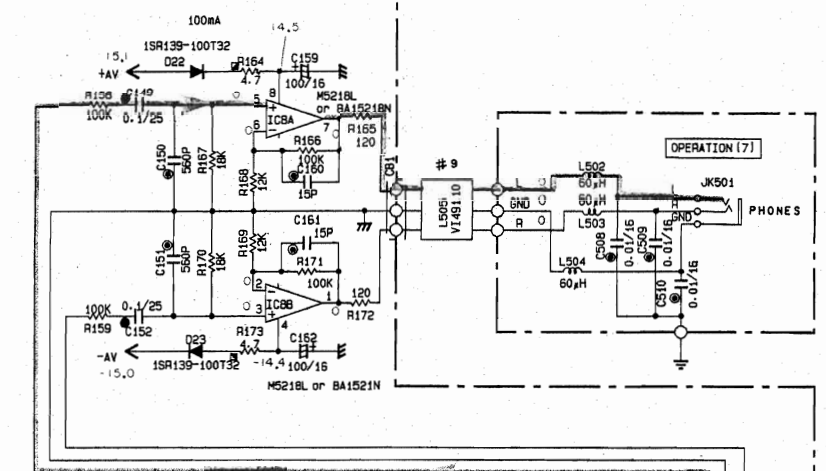
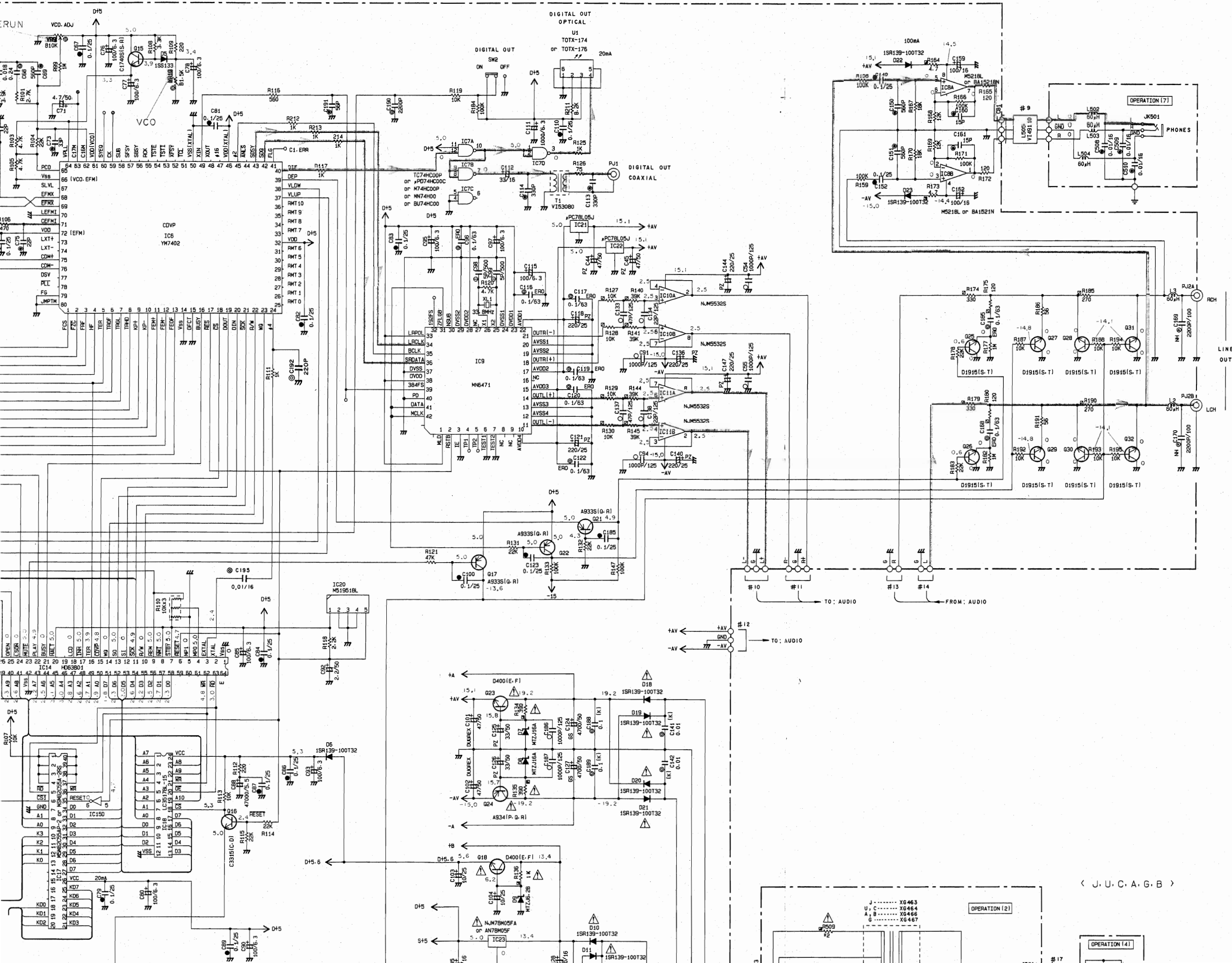
D400(E,F) : D400(E,F) or C2060(P,Q,R)  
C1740S(S,R) : C1740S(S,R) or C2603(E,F) or C3311A(Q,R,S)  
A934(P,Q,R) : A934(P,Q,R) or B544  
A933S(Q,R) : A933S(Q,R) or A1115(E,F) or A1309A(Q,R,S)

## NOTICE

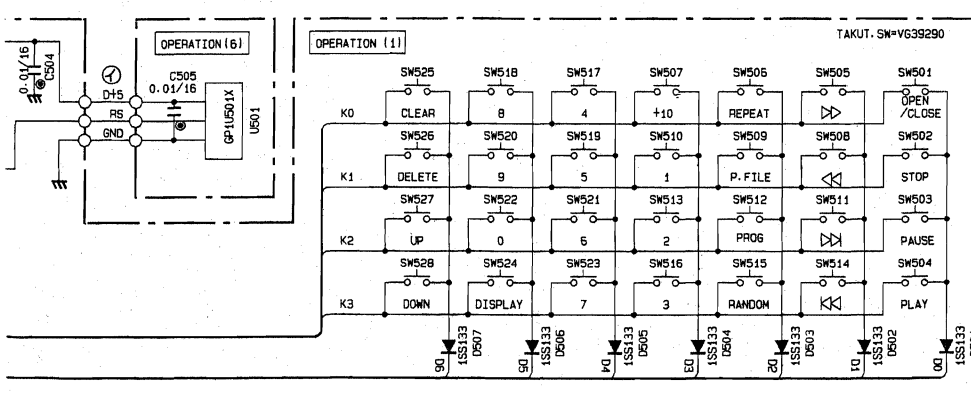
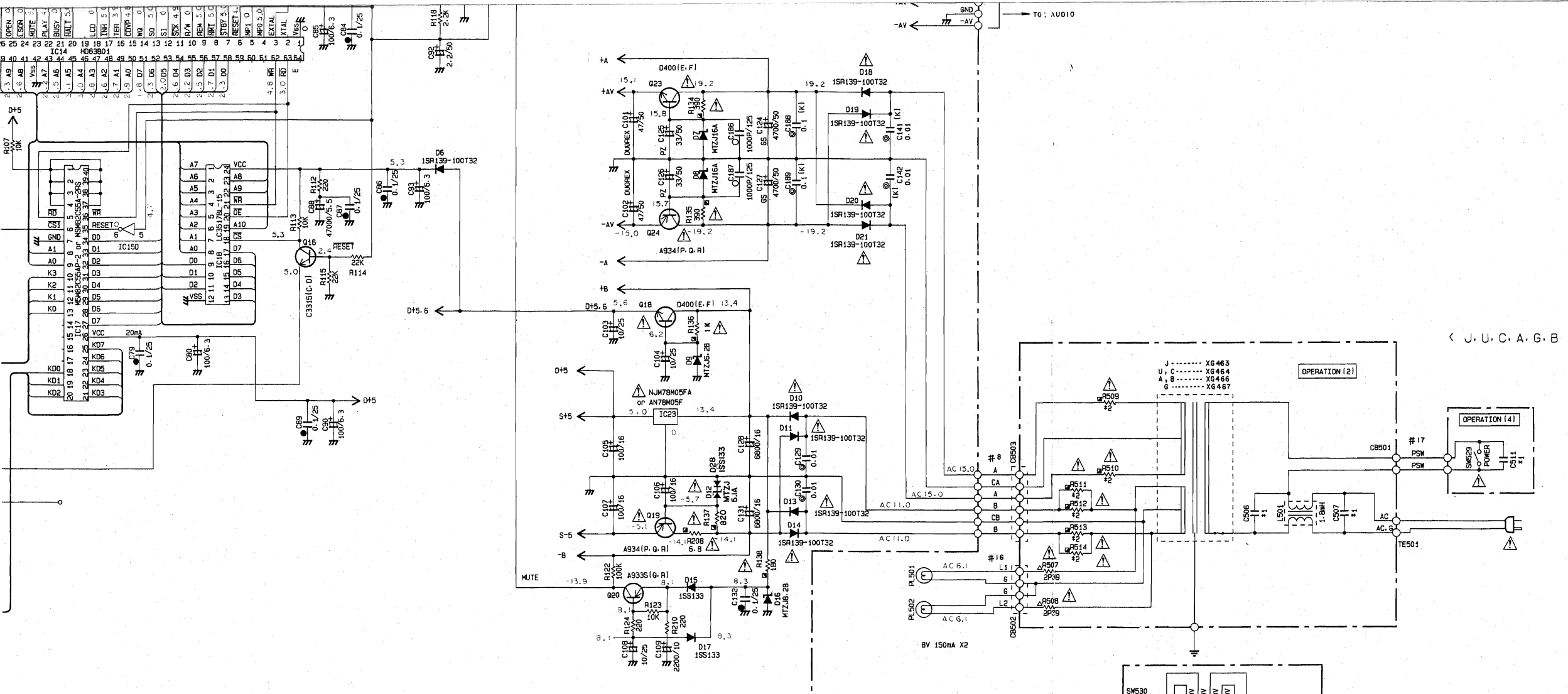
(J)..... Japanese  
(U)..... U.S.A model  
(C)..... Canadian  
(A)..... Australian  
(G)..... European  
(B)..... British model  
(R)..... General model  
(P)..... RP model

|                 | J        | U.C  | R        | A.B.G    |
|-----------------|----------|------|----------|----------|
| #1 C506-507-511 | 0.01/250 | 0.01 | 0.01/400 | 0.01/400 |
| #2 R509-514     | SHORT    | 1    | 1        | 1        |





< J. U. C. A. G. B >



| MAIN     |               |
|----------|---------------|
| LAST NO. | UN LISTED NO. |
| C        | 194           |
| R        | 214           |
| Q        | 34            |
| D        | 27            |
| IC       | 23            |

| OPERATION |               |
|-----------|---------------|
| LAST NO.  | UN LISTED NO. |
| C         | 511           |
| R         | 514           |
| Q         | 507           |
| D         | 501           |
| IC        | 501           |

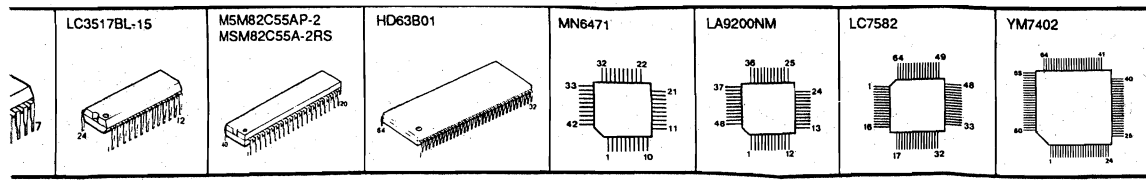
: D400(E.F) or C2060(P.Q.R)  
 R : C1740S(S.R) or C2603(E.F) or C3311A(Q.R.S)  
 R : A934(P.Q.R) or B544  
 ) : A933S(Q.R) or A1115(E.F) or A1309A(Q.R.S)

NOTICE  
 (J)..... Japanese model  
 (U)..... U.S.A model  
 (C)..... Canadian model  
 (A)..... Australian model  
 (G)..... European model  
 (B)..... British model  
 (R)..... General model  
 (P)..... RP model

| REMARKS | PARTS NAME                      |
|---------|---------------------------------|
| NO MARK | CARBON FILM RESISTOR (1/6W)     |
| ⊠       | CARBON FILM RESISTOR (1/4W)     |
| ⚡       | METAL OXIDE FILM RESISTOR       |
| ⚡       | METAL FILM RESISTOR             |
| ⊠       | METAL PLATE RESISTOR            |
| ⊠       | FIRE PROOF CARBON FILM RESISTOR |
| ⊠       | SEMENT MOLDED RESISTOR          |
| ⊠       | SEMI VARIABLE RESISTOR          |
| ⊠       | CHIP RESISTOR                   |

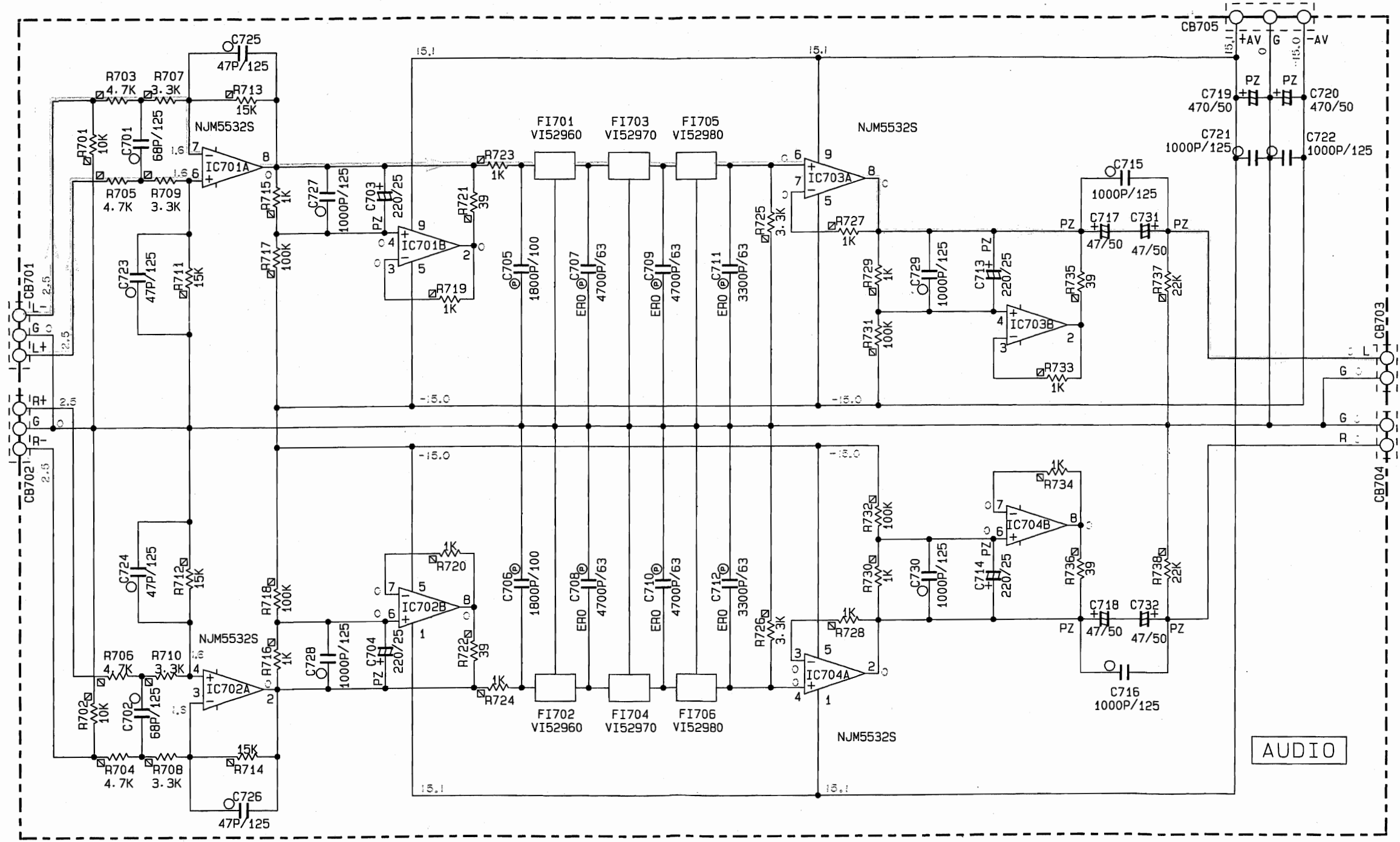
| REMARKS | PARTS NAME                       |
|---------|----------------------------------|
| NO MARK | ELECTROLYTIC CAPACITOR           |
| ⊠       | TANTALUM CAPACITOR               |
| NO MARK | CERAMIC CAPACITOR                |
| ⊠       | POLYESTER FILM CAPACITOR         |
| ⊠       | POLYSTYRENE FILM CAPACITOR       |
| ⊠       | MICA CAPACITOR                   |
| ⊠       | POLYPROPYLENE FILM CAPACITOR     |
| ⊠       | SEMICONDUCTIVE CERAMIC CAPACITOR |

|             | J        | U.C  | R        | A.B.G    |
|-------------|----------|------|----------|----------|
| 506-507-511 | 0.01/250 | 0.01 | 0.01/400 | 0.01/400 |
| 509-514     | SHORT    | 1    | 1        | 1        |



\* All voltage are measured with a 10MΩ/DC electric volt meter.  
 \* Components having special characteristics are marked ⊠ and must be replaced with parts having specifications equal to those originally installed.

CDX-1030 2/2 SCHEMATIC DIAGRAM



|   | LAST NO. | UN LISTED NO. |
|---|----------|---------------|
| C | 732      |               |
| R | 738      |               |

| REMARKS | PARTS NAME                      |
|---------|---------------------------------|
| NO MARK | CARBON FILM RESISTOR (1/6W)     |
| □       | CARBON FILM RESISTOR (1/4W)     |
| △       | METAL OXIDE FILM RESISTOR       |
| ▲       | METAL FILM RESISTOR             |
| ■       | METAL PLATE RESISTOR            |
| ■       | FIRE PROOF CARBON FILM RESISTOR |
| ■       | SEWENT MOLDED RESISTOR          |
| ■       | SEMI VARIABLE RESISTOR          |
| ■       | CHIP RESISTOR                   |

| REMARKS | PARTS NAME                       |
|---------|----------------------------------|
| NO MARK | ELECTROLYTIC CAPACITOR           |
| ⊗       | TANTALUM CAPACITOR               |
| NO MARK | CERAMIC CAPACITOR                |
| ⊙       | POLYESTER FILM CAPACITOR         |
| ○       | POLYSTYRENE FILM CAPACITOR       |
| ⊖       | MICA CAPACITOR                   |
| ⊕       | POLYPROPYLENE FILM CAPACITOR     |
| ●       | SEMICONDUCTIVE CERAMIC CAPACITOR |

\* All voltage are measured with a 10MΩ/DC electric volt meter.  
\* Components having special characteristics are marked △ and must be replaced with parts having specifications equal to those originally installed.  
\* Schematic diagram is subject to change without notice.

PARTS LIST

CDX-1030 ELECTRICAL PARTS

■ WARNING  
Components having special characteristics are marked  $\Delta$  and must be replaced with parts having specifications equal to those originally installed.  
● Carbon resistors (1/6W or 1/4W) are not included in the ELECTRICAL PARTS List. For the parts No. of the carbon resistors, refer to P. 55.

| Ref. NO.   | PART NO.           | Description            | 部 品 名       | Remarks  | Markets                                      | ランク       |
|------------|--------------------|------------------------|-------------|----------|----------------------------------------------|-----------|
| * Vi483400 | MAIN CIRCUIT BOARD |                        | メインシート      |          | J                                            |           |
| * Vi483500 | MAIN CIRCUIT BOARD |                        | メインシート      |          | UC                                           |           |
| * Vi483600 | MAIN CIRCUIT BOARD |                        | メインシート      |          | R                                            |           |
| * Vi483700 | MAIN CIRCUIT BOARD |                        | メインシート      |          | ABG                                          |           |
|            | UA252470           | MYLAR FILM CAP         | 470pF 50V   | マイラーコン   | C34                                          |           |
|            | FA153100           | MYLAR FILM CAP         | 1000pF 50V  | マイラーコン   | C25,36,37                                    |           |
|            | FA153220           | MYLAR FILM CAP         | 2200pF 50V  | マイラーコン   | C7,190                                       |           |
|            | FA153360           | MYLAR FILM CAP         | 3600pF 50V  | マイラーコン   | C11                                          |           |
|            | FA153470           | MYLAR FILM CAP         | 4700pF 50V  | マイラーコン   | C50,61                                       |           |
|            | FA154100           | MYLAR FILM CAP         | 0.01uF 50V  | マイラーコン   | C32,129,130                                  |           |
|            | FA154180           | MYLAR FILM CAP         | 0.018uF 50V | マイラーコン   | C70                                          |           |
|            | FA154430           | MYLAR FILM CAP         | 0.043uF 50V | マイラーコン   | C43                                          |           |
|            | FA154470           | MYLAR FILM CAP         | 0.047uF 50V | マイラーコン   | C58,59                                       |           |
|            | FA154680           | MYLAR FILM CAP         | 0.068uF 50V | マイラーコン   | C20                                          |           |
|            | FA154750           | MYLAR FILM CAP         | 0.075uF 50V | マイラーコン   | C35                                          |           |
|            | FA155100           | MYLAR FILM CAP         | 0.1uF 50V   | マイラーコン   | C1                                           |           |
|            | FA155220           | MYLAR FILM CAP         | 0.22uF 50V  | マイラーコン   | C49                                          |           |
|            | FA155240           | MYLAR FILM CAP         | 0.24uF 50V  | マイラーコン   | C68                                          |           |
|            | FA155390           | MYLAR FILM CAP         | 0.39uF 50V  | マイラーコン   | C40                                          |           |
|            | FC444100           | MYLAR FILM CAP         | 0.01uF 50V  | マイラーコン   | C141,142                                     |           |
|            | FZ004940           | MYLAR FILM CAP         | 0.1uF 50V   | マイラーコン   | C188,189                                     |           |
|            | Vi745200           | METALLIZED FILM CAP    | 0.1uF 63V   | 積層フィルムコン | C96,116,117,119,120,122,165,168              |           |
|            | UT453220           | POLYPROPYLENE FILM CAP | 2200pF 100V | PPコン     | C169,170                                     |           |
|            | VF466600           | CERAMIC CAP            | 10pF 50V    | 円筒セラコン   | C16,31                                       |           |
|            | VG276200           | CERAMIC CAP            | 15pF 50V    | 円筒セラコン   | C60,160,161                                  |           |
|            | VG276600           | CERAMIC CAP            | 22pF 50V    | 円筒セラコン   | C72,75                                       |           |
|            | VG277000           | CERAMIC CAP            | 33pF 50V    | 円筒セラコン   | C73                                          |           |
|            | VG277200           | CERAMIC CAP            | 39pF 50V    | 円筒セラコン   | C23,38                                       |           |
|            | VG277500           | CERAMIC CAP            | 56pF 50V    | 円筒セラコン   | C191                                         |           |
|            | VG277700           | CERAMIC CAP            | 68pF 50V    | 円筒セラコン   | C33                                          |           |
|            | VG278400           | CERAMIC CAP            | 220pF 50V   | 円筒セラコン   | C192                                         |           |
|            | VG278600           | CERAMIC CAP            | 330pF 50V   | 円筒セラコン   | C17,18,113,114                               |           |
|            | VG278800           | CERAMIC CAP            | 560pF 50V   | 円筒セラコン   | C69,150,151                                  |           |
|            | VG278900           | CERAMIC CAP            | 680pF 50V   | 円筒セラコン   | C39                                          |           |
|            | VF467300           | CERAMIC CAP            | 0.01uF 16V  | 円筒セラコン   | C13,195                                      |           |
|            | UH118100           | ELECTROLYTIC CAP       | 100uF 6.3V  | ケミコン     | C3,15,28,30,56,57,62,76-78,80,85,90,93,95,97 | 63,65,66, |
|            | UJ119100           | ELECTROLYTIC CAP       | 1000uF 6.3V | ケミコン     | C111                                         |           |
|            | UH129220           | ELECTROLYTIC CAP       | 2200uF 10V  | ケミコン     | C109                                         |           |
|            | UJ137330           | ELECTROLYTIC CAP       | 33uF 16V    | ケミコン     | C112                                         |           |
|            | UJ137470           | ELECTROLYTIC CAP       | 47uF 16V    | ケミコン     | C6                                           |           |
|            | UI838100           | ELECTROLYTIC CAP       | 100uF 16V   | ケミコン     | C4,5,8,9,21,22,46,105-107,159,162,193,194    |           |
|            | UJ147100           | ELECTROLYTIC CAP       | 10uF 25V    | ケミコン     | C12,42,103,104,108                           |           |
|            | UJ166100           | ELECTROLYTIC CAP       | 1uF 50V     | ケミコン     | C47                                          |           |
|            | UJ666220           | ELECTROLYTIC CAP       | 2.2uF 50V   | ケミコン     | C92                                          |           |
|            | UJ166470           | ELECTROLYTIC CAP       | 4.7uF 50V   | ケミコン     | C71                                          |           |
|            | VG286200           | ELECTROLYTIC CAP       | 100uF 6.3V  | ケミコン     | C115                                         |           |
|            | Vi578400           | ELECTROLYTIC CAP       | 6800uF 16V  | ケミコン     | C128,131                                     |           |

\*New Parts (新規部品) ランク : Japan only

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| Ref. NO.   | PART NO.         | Description          | 部 品 名          | Remarks                  | Markets                                                                  | ランク |
|------------|------------------|----------------------|----------------|--------------------------|--------------------------------------------------------------------------|-----|
| * Vi762300 | ELECTROLYTIC CAP | 4700uF 50V           | ケミコン           | C124,127                 |                                                                          |     |
| * Vi758400 | ELECTROLYTIC CAP | 220uF 25V            | ケミコン           | C118,121,136,140,144,147 |                                                                          |     |
| * VH622300 | ELECTROLYTIC CAP | 33uF 50V             | ケミコン           | C125,126                 |                                                                          |     |
| * VH622400 | ELECTROLYTIC CAP | 47uF 50V             | ケミコン           | C44,45                   |                                                                          |     |
| * VE017800 | ELECTROLYTIC CAP | 47uF 16V             | ケミコン           | C101,102                 |                                                                          |     |
|            | UK347100         | ELECTROLYTIC CAP     | 10uF 25V       | B Pケミコン                  | C10,19,24                                                                |     |
|            | UK166330         | ELECTROLYTIC CAP     | 3.3uF 50V      | B Pケミコン                  | C26                                                                      |     |
|            | UK166470         | ELECTROLYTIC CAP     | 4.7uF 50V      | B Pケミコン                  | C41                                                                      |     |
|            | FU350500         | MICA CAP             | 5pF 500V       | マイカコン                    | C98,99                                                                   |     |
|            | FF061220         | POLYSTYLENE FILM CAP | 22pF 125V      | スチコン                     | C134,138                                                                 |     |
|            | FF061470         | POLYSTYLENE FILM CAP | 47pF 125V      | スチコン                     | C133,137                                                                 |     |
|            | FF113100         | POLYSTYLENE FILM CAP | 1000pF 125V    | スチコン                     | C54,55,91,94,186,187                                                     |     |
|            | Vi271200         | ELECTROLYTIC CAP     | 47000uF 5.5V   | バックアップケミコン               | C88                                                                      |     |
|            | VD930900         | SEMI-CONDUCTIVE CAP  | 0.1uF 25V      | 半導体セラコン                  | C2,14,27,29,48,51-53,67,74,79,81-84,86,87,89,100,110,123,132,149,152,185 |     |
|            | VD473700         | COIL                 | 60uH SBT-0460T | コイル                      | L2,3                                                                     |     |
|            | Vi530800         | PULSE TRANSFORMER    | 3PTD-001       | パルストランス                  | T1                                                                       |     |
|            | HV453220         | FLAME PROOF RESISTOR | 2.2Ω 1/4W      | 不燃化カーボン抵抗                | R196,197                                                                 |     |
|            | HV453470         | FLAME PROOF RESISTOR | 4.7Ω 1/4W      | 不燃化カーボン抵抗                | R164,173                                                                 |     |
|            | HV453680         | FLAME PROOF RESISTOR | 6.8Ω 1/4W      | 不燃化カーボン抵抗                | R208                                                                     |     |
|            | HV455180         | FLAME PROOF RESISTOR | 180Ω 1/4W      | 不燃化カーボン抵抗                | R138                                                                     |     |
|            | HV555390         | FLAME PROOF RESISTOR | 390Ω 1/4W      | 不燃化カーボン抵抗                | R134,135                                                                 |     |
|            | HV456100         | FLAME PROOF RESISTOR | 1KΩ 1/4W       | 不燃化カーボン抵抗                | R136                                                                     |     |
|            | Vi868300         | FUSIBLE RESISTOR     | 0.68Ω 1/6W     | ヒューズ抵抗                   | FR1,2                                                                    |     |
|            | Vi272400         | RESISTOR ARRAY       | 1KΩx6          | 抵抗アレイ                    | R84,86                                                                   |     |
|            | VH721400         | RESISTOR ARRAY       | 10KΩx3         | 抵抗アレイ                    | R110                                                                     |     |
|            | VH721500         | RESISTOR ARRAY       | 100KΩx4        | 抵抗アレイ                    | R83                                                                      |     |
|            | XG491A00         | IC                   | YM7402         | IC                       | IC6                                                                      |     |
|            | iG058210         | IC                   | M5218L         | IC                       | IC8                                                                      |     |
|            | iG076800         | IC                   | NJM4558S       | IC                       | IC1,3                                                                    |     |
|            | iG080200         | IC                   | NJM2043S       | IC                       | IC5                                                                      |     |
|            | XA426001         | IC                   | NJM5532S       | IC                       | IC10,11                                                                  |     |
|            | XG381A00         | IC                   | LA6520         | IC                       | IC4                                                                      |     |
|            | XB253001         | IC                   | M51951BL       | IC                       | IC20                                                                     |     |
|            | XC349001         | IC                   | uPC78L05J      | IC                       | IC21,22                                                                  |     |
|            | XF740A00         | IC                   | NJM78M05FA     | IC                       | IC23                                                                     |     |
|            | XG839A00         | IC                   | LA9200NH       | IC                       | IC2                                                                      |     |
|            | iG142220         | IC                   | uPD74HC04C     | IC                       | IC15                                                                     |     |
|            | iR000000         | IC                   | TC74HC00       | IC                       | IC7,16                                                                   |     |
|            | XG277A00         | IC                   | MN6471         | IC                       | IC9                                                                      |     |
|            | XG384A00         | IC                   | M5M82C55AP-2   | IC                       | IC17                                                                     |     |
|            | XH032C00         | IC                   | HD63801        | IC                       | IC14                                                                     |     |
|            | XE859A00         | IC                   | LC3517BL-15    | IC                       | IC18                                                                     |     |
|            | KA401430         | SLIDE SWITCH         | 2-2 SSY-322    | スライドSW                   | SW2                                                                      |     |
|            | VG020100         | PIN JACK             | 1P             | ピンジャック                   | PJ1                                                                      |     |
|            | Vi272900         | PIN JACK             | 2P             | ピンジャック                   | PJ2                                                                      |     |
|            | VD004500         | BASE PIN             | PH 2P TE       | ベースピン                    | CB6                                                                      |     |
|            | VD004600         | BASE PIN             | PH 3P TE       | ベースピン                    | CB1,5                                                                    |     |

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| Ref. NO. | PART NO. | Description            | 部 品 名          | Remarks   | Markets                | ランク  |
|----------|----------|------------------------|----------------|-----------|------------------------|------|
|          | VD004800 | BASE PIN               | PH 5P TE       | ベースピン     | CB2                    |      |
|          | VD004900 | BASE PIN               | PH 6P TE       | ベースピン     | CB4                    |      |
|          | VD005000 | BASE PIN               | PH 7P TE       | ベースピン     | CB8                    |      |
|          | VD005300 | BASE PIN               | PH 10P TE      | ベースピン     | CB3                    |      |
|          | LB300730 | BASE PIN               | NH 3P TE       | ベースポスト    | CB13                   |      |
|          | LB400570 | BASE PIN               | NH 4P TE       | ベースポスト    | CB9-10                 |      |
|          | LB500250 | BASE PIN               | NH 5P TE       | ベースポスト    | CB11,12                |      |
| +        | VI009100 | CONNECTOR              | 17P i-TYPE TE  | FPC コネクター | CB7                    |      |
| +        | VI623600 | OPTICAL MODULE         | TOTX176        | 光送信モジュール  | U1                     |      |
| +        | VI528800 | QUARTZ CRYSTAL UNIT    | 33.8688MHz     | 水晶振動子     | XL1                    |      |
|          | VB860700 | PRE-SET POTENTIOMETER  | B100Ω          | 半固定VR     | VR1                    |      |
| +        | VC612300 | PRE-SET POTENTIOMETER  | B1.5KΩ         | 半固定VR     | VR10                   |      |
| +        | VC055400 | PRE-SET POTENTIOMETER  | B15KΩ          | 半固定VR     | VR8                    |      |
|          | VB861500 | PRE-SET POTENTIOMETER  | B10KΩ          | 半固定VR     | VR3,6,9                |      |
|          | VB861800 | PRE-SET POTENTIOMETER  | B47KΩ          | 半固定VR     | VR4,5                  |      |
|          | VB861900 | PRE-SET POTENTIOMETER  | B100KΩ         | 半固定VR     | VR2,7                  |      |
|          | IA093300 | TRANSISTOR             | 2SA933S Q,R    | トランジスタ    | Q7,8,10,17,20-22       |      |
|          | IA093410 | TRANSISTOR             | 2S934 P,Q,R    | トランジスタ    | Q1,19,24               | △    |
|          | VC619100 | TRANSISTOR             | 2SA1323 B,C    | トランジスタ    | Q33                    |      |
| +        | VI530900 | TRANSISTOR             | 2SB1185 E,F    | トランジスタ    | Q3,12                  |      |
|          | IC174070 | TRANSISTOR             | 2SC1740S R,S   | トランジスタ    | Q6,9,13-15             |      |
|          | VC529400 | TRANSISTOR             | 2SC3315 C,D    | トランジスタ    | Q16                    |      |
|          | ID040000 | TRANSISTOR             | 2SD400 E,F     | トランジスタ    | Q18,23                 | △    |
|          | VC502100 | TRANSISTOR             | 2SD1915 S,T    | トランジスタ    | Q25-32,34              |      |
|          | VE029200 | TRANSISTOR             | 2SD1985 P,Q    | トランジスタ    | Q2,11                  |      |
|          | IF004600 | DIODE                  | 1SS133         | ダイオード     | D1,3-5,15,17,28        |      |
|          | VH770800 | DIODE                  | 1SR139-100T-32 | ダイオード     | D2,6,10,11,13,14,18-27 | △    |
|          | VG437300 | ZENER DIODE            | MTZJ5.1A       | ツェナーダイオード | D12                    | △    |
|          | VG438000 | ZENER DIODE            | MTZJ6.2B       | ツェナーダイオード | D9                     |      |
| +        | VG438900 | ZENER DIODE            | MTZJ8.2B       | ツェナーダイオード | D16                    |      |
|          | VG441000 | ZENER DIODE            | MTZJ16A        | ツェナーダイオード | D7,8                   |      |
| +        | VH721700 | IC                     | S2FR04         | IC        | IC19                   |      |
|          | VA913200 | RADIATOR               |                | 放熱器       |                        |      |
| +        | VI745400 | HEAT SINK              |                | 放熱プレート    |                        |      |
| +        | VI835500 | HEAT SINK              | PH-0124S-B     | 放熱板       |                        |      |
|          | ED330066 | BINDING HEAD SCREW     | 3x6 FCRM3-BL   | バインド小ネジ   | PACK                   |      |
| +        | VI484000 | AUDIO CIRCUIT BOARD    |                | オーディオシート  |                        |      |
|          | FF061470 | POLYSTYLENE FILM CAP   | 47pF 125V      | スチコン      | C723-726               |      |
|          | FF111680 | POLYSTYLENE FILM CAP   | 68pF 125V      | スチコン      | C701,702               |      |
|          | FF113100 | POLYSTYLENE FILM CAP   | 1000pF 125V    | スチコン      | C715,716,721,722,727-  | -730 |
| +        | VI744400 | POLYPROPYLENE FILM CAP | 3300pF 63V     | PPコン      | C711,712               |      |
| +        | VI744500 | POLYPROPYLENE FILM CAP | 4700pF 63V     | PPコン      | C707-710               |      |
| +        | VJ020200 | POLYPROPYLENE FILM CAP | 1800pF 100V    | PPコン      | C705,706               |      |
| +        | VI762900 | ELECTROLYTIC CAP       | 470uF 50V      | ケミコン      | C719,720               |      |
| +        | VI758400 | ELECTROLYTIC CAP       | 220uF 25V      | ケミコン      | C703,704,713,714       |      |
| +        | VH622400 | ELECTROLYTIC CAP       | 47uF 50V       | ケミコン      | C717,718,731,732       |      |
|          | XA426001 | IC                     | NJM5532S       | IC        | IC701-704              |      |
|          | LB918020 | BASE PIN               | XH 2P TE       | ベースツキポスト  | CB703,704              |      |

\*New Parts (新規部品)

ランク : Japan only

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| Ref. NO. | PART NO. | Description             | 部 品 名             | Remarks    | Markets          | ランク    |
|----------|----------|-------------------------|-------------------|------------|------------------|--------|
|          | LB918030 | BASE PIN                | XH 3P TE          | ベースツキポスト   | CB701,702        |        |
|          | LB932030 | BASE PIN                | VH 3P TE          | ベースポスト     | CB705            |        |
| *        | VI529800 | FILTER                  | PFB-2             | LCフィルター    | Fi701,702        |        |
| *        | VI529700 | FILTER                  | PFB-2             | LCフィルター    | Fi703,704        |        |
| *        | VI529800 | FILTER                  | PFB-2             | LCフィルター    | Fi705,706        |        |
|          | BB070420 | BUS BAR                 | L=100             | バスバー       |                  |        |
| *        | VI448100 | SHIELD CASE             | LPF               | シールドケース    |                  |        |
| *        | VI797600 | DAMPER                  | LPF               | ダンパー       |                  |        |
|          |          |                         |                   |            |                  |        |
| *        | VI482400 | OPERATION CIRCUIT BOARD |                   | オペレーションシート |                  | J      |
| *        | VI482500 | OPERATION CIRCUIT BOARD |                   | オペレーションシート |                  | UC     |
| *        | VI482600 | OPERATION CIRCUIT BOARD |                   | オペレーションシート |                  | R      |
| *        | VI482700 | OPERATION CIRCUIT BOARD |                   | オペレーションシート |                  | ABG    |
|          | VG278900 | CERAMIC CAP             | 680pF 50V         | 円筒セラコン     | C503             |        |
|          | VF467000 | CERAMIC CAP             | 1000pF 50V        | 円筒セラコン     | C501             |        |
|          | VF467300 | CERAMIC CAP             | 0.01uF 16V        | 円筒セラコン     | C504,505,508-510 |        |
|          | VE179200 | CERAMIC CAP             | 0.01uF 400V       | 規格認定コン     | C506,507,511     | RABG   |
|          | FI324100 | CERAMIC CAP.            | 0.01uF 250V       | スパークキラーコン  | C506,507,511     | J      |
|          | FI384100 | CERAMIC CAP             | 0.01uF 400V       | 規格認定コン     | C506,507,511     | UC     |
|          | UH118100 | ELECTROLYTIC CAP        | 100uF 6.3V        | ケミコン       | C502             |        |
|          | VD473700 | COIL                    | 60uH SBT-0460T    | コイル        | L502-504         |        |
|          | VE800700 | LINE FILTER             | 1.8mH ELF18D290V  | ラインフィルター   | L501             |        |
|          | VI491100 | FERRITE CORE            | BP53RB19012080M   | フェライトコア    | L505             |        |
|          | HV453100 | FLAME PROOF RESISTOR    | 1Ω 1/4W           | 不燃化カーボン抵抗  | R509-514         | UCRABG |
|          | HL324390 | METAL OXIDE RESISTOR    | 39Ω 2W            | 酸化金属被膜抵抗   | R507,508         |        |
| *        | XB417001 | IC                      | LC7582            | I C        | IC501            |        |
| *        | VH701700 | LCD                     | LCD8107B1JP       | 液晶ディスプレイ   | V501             |        |
|          | VF926500 | RECEIVE UNIT            | GP1U501X          | リモコン受光ユニット | U501             |        |
|          | VG388100 | VOLTAGE SELECTOR        | HXW0244-01-080    | 電圧切替器      | SW530            | R      |
| *        | VI319200 | PUSH SWITCH             | SDDL1             | プッシュSW     | SW529            |        |
|          | VG392900 | TACT SWITCH             | SKHVAA            | タクトSW      | SW501-528        |        |
|          | VH521300 | PHONES JACK             | YKB26-5138        | ヘッドホンジャック  | JK501            |        |
|          | LA002140 | LAPPING TERMINAL        | 2P i-TYPE P=10 TE | ラッピング端子    | TE501            |        |
|          | VG879900 | BASE PIN                | VH 2P TE          | ベースピン      | CB501            |        |
|          | VD004700 | BASE PIN                | PH 4P TE          | ベースピン      | CB502            |        |
|          | LB918060 | BASE PIN                | XH 6P TE          | ベースツキポスト   | CB503            |        |
| *        | IF004600 | DIODE                   | 1SS133            | ダイオード      | D501-507         |        |
| *        | VH879100 | REFLECTOR               |                   | リフレクター     |                  |        |
|          | VH879200 | SHEET                   |                   | シート        |                  |        |
|          | CB605620 | PLASTIC RIVET           |                   | ブラリベット     |                  |        |
|          | VF444500 | LAMP CAP                | AG-4015           | ランプキャップ    |                  |        |
|          |          |                         |                   |            |                  |        |

\*New Parts (新規部品)

ランク : Japan only



# CDX-930 ELECTRICAL PARTS

| Ref.<br>NO. | PART NO.  | Description                 | 部 品 名        | Remarks  | Markets                                              | ランク             |
|-------------|-----------|-----------------------------|--------------|----------|------------------------------------------------------|-----------------|
| +           | Vi485800  | MAIN CIRCUIT BOARD          | メインシート       |          | J                                                    |                 |
| +           | Vi485900  | MAIN CIRCUIT BOARD          | メインシート       |          | UC                                                   |                 |
| +           | Vi486000  | MAIN CIRCUIT BOARD          | メインシート       |          | R                                                    |                 |
| +           | Vi486100  | MAIN CIRCUIT BOARD          | メインシート       |          | ABG                                                  |                 |
|             | UA252470  | MYLAR FILM CAP              | 470pF 50V    | マイラーコン   | C34                                                  |                 |
|             | FA153100  | MYLAR FILM CAP              | 1000pF 50V   | マイラーコン   | C25,36,37                                            |                 |
|             | FA153220  | MYLAR FILM CAP              | 2200pF 50V   | マイラーコン   | C7,190                                               |                 |
|             | FA153470  | MYLAR FILM CAP              | 4700pF 50V   | マイラーコン   | C50,61                                               |                 |
|             | FA153560  | MYLAR FILM CAP              | 5600pF 50V   | マイラーコン   | C11                                                  |                 |
|             | FA154100  | MYLAR FILM CAP              | 0.01uF 50V   | マイラーコン   | C32,129,130                                          |                 |
|             | FA154180  | MYLAR FILM CAP              | 0.018uF 50V  | マイラーコン   | C70                                                  |                 |
|             | FA154430  | MYLAR FILM CAP              | 0.043uF 50V  | マイラーコン   | C43                                                  |                 |
|             | FA154470  | MYLAR FILM CAP              | 0.047uF 50V  | マイラーコン   | C58,59                                               |                 |
|             | FA154750  | MYLAR FILM CAP              | 0.075uF 50V  | マイラーコン   | C35                                                  |                 |
|             | FA155100  | MYLAR FILM CAP              | 0.1uF 50V    | マイラーコン   | C1                                                   |                 |
|             | FA155120  | MYLAR FILM CAP              | 0.12uF 50V   | マイラーコン   | C20                                                  |                 |
|             | FA155220  | MYLAR FILM CAP              | 0.22uF 50V   | マイラーコン   | C49                                                  |                 |
|             | FA155240  | MYLAR FILM CAP              | 0.24uF 50V   | マイラーコン   | C68                                                  |                 |
|             | FA155390  | MYLAR FILM CAP              | 0.39uF 50V   | マイラーコン   | C40                                                  |                 |
|             | FC444100  | MYLAR FILM CAP              | 0.01uF 50V   | マイラーコン   | C141,142                                             |                 |
|             | Vi745200  | METALLIZED POLYESTER F. CAP | 0.1uF 63V    | 積層フィルムコン | C98,116,117,119,120,<br>122,165,166                  |                 |
|             | UT653180  | POLYPROPYLENE FILM CAP      | 1800pF 100V  | PPコン     | C171,172                                             |                 |
|             | UT453220  | POLYPROPYLENE FILM CAP      | 2200pF 100V  | PPコン     | C169,170                                             |                 |
|             | UT453220  | POLYPROPYLENE FILM CAP      | 2200pF 100V  | PPコン     | C154,157                                             | UCRABG          |
| +           | Vi714200  | POLYPROPYLENE FILM CAP      | 8200pF 100V  | PPコン     | C145,148                                             | UCRABG          |
|             | UT464390  | POLYPROPYLENE FILM CAP      | 0.039uF 100V | PPコン     | C153,156                                             | UCRABG          |
| +           | Vi744400  | POLYPROPYLENE FILM CAP      | 3300pF 63V   | PPコン     | C177,178                                             | J               |
| +           | Vi744500  | POLYPROPYLENE FILM CAP      | 4700pF 63V   | PPコン     | C173-176                                             | J               |
|             | VF466800  | CERAMIC CAP                 | 10pF 50V     | 円筒セラコン   | C16,31                                               |                 |
|             | VG276200  | CERAMIC CAP                 | 15pF 50V     | 円筒セラコン   | C60,160,161                                          |                 |
|             | VG276600  | CERAMIC CAP                 | 22pF 50V     | 円筒セラコン   | C72,75                                               |                 |
|             | VG277000  | CERAMIC CAP                 | 33pF 50V     | 円筒セラコン   | C73                                                  |                 |
|             | VG277200  | CERAMIC CAP                 | 39pF 50V     | 円筒セラコン   | C38                                                  |                 |
|             | VG277500  | CERAMIC CAP                 | 56pF 50V     | 円筒セラコン   | C191                                                 |                 |
|             | VG277700  | CERAMIC CAP                 | 68pF 50V     | 円筒セラコン   | C33                                                  |                 |
|             | VG278400  | CERAMIC CAP                 | 220pF 50V    | 円筒セラコン   | C192                                                 |                 |
|             | VG278600  | CERAMIC CAP                 | 330pF 50V    | 円筒セラコン   | C17,18,113,114                                       |                 |
|             | VG278800  | CERAMIC CAP                 | 560pF 50V    | 円筒セラコン   | C69,150,151                                          |                 |
|             | VG278900  | CERAMIC CAP                 | 680pF 50V    | 円筒セラコン   | C39                                                  |                 |
|             | VF467300  | CERAMIC CAP                 | 0.01uF 16V   | 円筒セラコン   | C13,195                                              |                 |
|             | UJ118100  | ELECTROLYTIC CAP            | 100uF 6.3V   | ケミコン     | C3,15,28,30,56,57,62,<br>76-78,80,85,90,93,95,<br>97 | 63,65,66,<br>97 |
|             | UJ1919100 | ELECTROLYTIC CAP            | 1000uF 6.3V  | ケミコン     | C111                                                 |                 |
|             | UH129220  | ELECTROLYTIC CAP            | 2200uF 10V   | ケミコン     | C109                                                 |                 |
|             | UJ137330  | ELECTROLYTIC CAP            | 33uF 16V     | ケミコン     | C112                                                 |                 |
|             | UJ137470  | ELECTROLYTIC CAP            | 47uF 16V     | ケミコン     | C6                                                   |                 |
|             | UJ138100  | ELECTROLYTIC CAP            | 100uF 16V    | ケミコン     | C4,5,8,9,21,22,46,<br>105-107,159,160                |                 |
|             | UJ247100  | ELECTROLYTIC CAP            | 10uF 25V     | ケミコン     | C12,42,103,104,108                                   |                 |

\*New Parts (新規部品)

ランク : Japan only

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| Ref. NO. | PART NO. | Description                 | 部 品 名            | Remarks    | Markets                                               | ランク    |
|----------|----------|-----------------------------|------------------|------------|-------------------------------------------------------|--------|
|          | UJ166100 | ELECTROLYTIC CAP            | 1uF 50V          | ケミコン       | C47                                                   |        |
|          | UJ666220 | ELECTROLYTIC CAP            | 2.2uF 50V        | ケミコン       | C92                                                   |        |
|          | UJ166470 | ELECTROLYTIC CAP            | 4.7uF 50V        | ケミコン       | C71                                                   |        |
|          | VG286200 | ELECTROLYTIC CAP            | 100uF 6.3V       | ケミコン       | C115                                                  |        |
|          | Vi578400 | ELECTROLYTIC CAP            | 6800uF 16V       | ケミコン       | C128, 131                                             |        |
| *        | Vi784500 | ELECTROLYTIC CAP            | 4700uF 35V       | ケミコン       | C124, 127                                             |        |
|          | Vi758400 | ELECTROLYTIC CAP            | 220uF 25V        | ケミコン       | C118, 121, 143, 144, 146, 147, 155, 158               |        |
| *        | VH622200 | ELECTROLYTIC CAP            | 22uF 50V         | ケミコン       | C164, 167                                             |        |
|          | VH622300 | ELECTROLYTIC CAP            | 33uF 50V         | ケミコン       | C125, 126                                             |        |
|          | VH622400 | ELECTROLYTIC CAP            | 47uF 50V         | ケミコン       | C44, 45, 136, 140                                     |        |
|          | VE017800 | ELECTROLYTIC CAP            | 47uF 16V         | ケミコン       | C101, 102                                             |        |
|          | UK146470 | ELECTROLYTIC CAP            | 4.7uF 25V        | B P ケミコン   | C10                                                   |        |
|          | UK147100 | ELECTROLYTIC CAP            | 10uF 25V         | B P ケミコン   | C19, 24                                               |        |
|          | UK166330 | ELECTROLYTIC CAP            | 3.3uF 50V        | B P ケミコン   | C28                                                   |        |
|          | UK166470 | ELECTROLYTIC CAP            | 4.7uF 50V        | B P ケミコン   | C41                                                   |        |
|          | FU350500 | MICA CAP                    | 5pF 500V         | マイカコン      | C98, 99                                               |        |
|          | FF111220 | POLYSTYLENE FILM CAP        | 22pF 125V        | スチコン       | C134, 138                                             |        |
|          | FF111390 | POLYSTYLENE FILM CAP        | 39pF 125V        | スチコン       | C133, 137                                             | UCRABG |
|          | FF111470 | POLYSTYLENE FILM CAP        | 47pF 125V        | スチコン       | C133, 137                                             | J      |
|          | Vi271200 | ELECTROLYTIC CAP            | 47000uF 5.5V     | バックアップケミコン | C88                                                   |        |
|          | FF111680 | POLYSTYLENE FILM CAP        | 68pF 125V        | スチコン       | C135, 139                                             |        |
|          | FF113100 | POLYSTYLENE FILM CAP        | 1000pF 125V      | スチコン       | C54, 55, 91, 94, 163, 166                             |        |
|          | VD930900 | SEMI-CONDUCTIVE CERAMIC CAP | 0.1uF 25V        | 半導体セラコン    | C2, 14, 27, 29, 48, 51-53, 67, 74, 79, 81-84, 86, 87, |        |
|          |          |                             |                  |            | 89, 100, 110, 123, 132, 152, 185                      |        |
|          | VD473700 | COIL                        | 60uH SBT-0480T   | コイル        | L2, 3                                                 |        |
|          | Vi530800 | PULSE TRANSFORMER           | 3PTD-001         | バルストランス    | T1                                                    |        |
|          | HV453470 | FLAME PROOF CARBON RESISTOR | 4.7Ω 1/4W        | 不燃化カーボン抵抗  | R164, 173                                             |        |
|          | HV453680 | FLAME PROOF CARBON RESISTOR | 6.8Ω 1/4W        | 不燃化カーボン抵抗  | R208                                                  |        |
|          | HV455100 | FLAME PROOF CARBON RESISTOR | 100Ω 1/4W        | 不燃化カーボン抵抗  | R138                                                  |        |
|          | HV555390 | FLAME PROOF CARBON RESISTOR | 390Ω 1/4W        | 不燃化カーボン抵抗  | R134, 135                                             |        |
|          | HV455560 | FLAME PROOF CARBON RESISTOR | 560Ω 1/4W        | 不燃化カーボン抵抗  | R136                                                  |        |
| *        | Vi835400 | FUSIBLE RESISTOR            | 1.5Ω 1/8W        | ヒューズ抵抗     | FR1, 2                                                |        |
|          | Vi272400 | RESISTOR ARRAY              | 1Kx6 RYLA6J102   | 抵抗アレイ      | R84, 86                                               |        |
|          | VH721400 | RESISTOR ARRAY              | 10Kx3 RYLS3J103  | 抵抗アレイ      | R110                                                  |        |
|          | VH721500 | RESISTOR ARRAY              | 100Kx4 RYLS4J104 | 抵抗アレイ      | R83                                                   |        |
|          | XG491A00 | IC                          | YM7402           | I C        | IC6                                                   |        |
|          | IG058210 | IC                          | M5218L           | I C        | IC8                                                   |        |
|          | IG076800 | IC                          | NJM4558S         | I C        | IC1, 3                                                |        |
|          | IG080200 | IC                          | NJM2043S         | I C        | IC5                                                   |        |
|          | XA426001 | IC                          | NJM5532S         | I C        | IC10-13                                               |        |
|          | XG381A00 | IC                          | LA6520           | I C        | IC4                                                   |        |
|          | XB253001 | IC                          | M51951BL         | I C        | IC20                                                  |        |
|          | XC349001 | IC                          | uPC78L05J        | I C        | IC21, 22                                              |        |
|          | XF740A00 | IC                          | NJN78M05FA       | I C        | IC23                                                  |        |
|          | XG839A00 | IC                          | LA9200NH         | I C        | IC2                                                   |        |
|          | IG142220 | IC                          | uPD74HC04C       | I C        | IC15                                                  |        |
|          | IR000000 | IC                          | TC74HC00         | I C        | IC7, 16                                               |        |

\*New Parts (新規部品)

ランク : Japan only

## ● CDX-930

| Ref. NO. | PART NO. | Description           | 部 品 名          | Remarks   | Markets                | ランク |
|----------|----------|-----------------------|----------------|-----------|------------------------|-----|
|          | XG277A00 | IC                    | MN6471         | IC        | IC9                    |     |
|          | XB920001 | IC                    | MSM82C55A-2RS  | IC        | IC17                   |     |
|          | XH032B00 | IC                    | HD63B01Y0      | IC        | IC14                   |     |
|          | XE859A00 | IC                    | LC3517BL-15    | IC        | IC18                   |     |
|          | KA401430 | SLIDE SWITCH          | 2-2 SSY-322    | スライドスイッチ  | SW2                    |     |
|          | VG020100 | PIN JACK              | 1P             | ピンジャック    | PJ1                    |     |
|          | Vi272900 | PIN JACK              | 2P             | ピンジャック    | PJ2                    |     |
|          | VG067200 | LIGHT EMITTING MODULE | TOTX-174       | 光送信モジュール  | U1                     |     |
|          | VD004600 | BASE PIN              | PH 3P TE       | ベースピン     | CB1,5                  |     |
|          | VD004700 | BASE PIN              | PH 4P TE       | ベースピン     | CB6                    |     |
|          | VD004800 | BASE PIN              | PH 5P TE       | ベースピン     | CB2                    |     |
|          | VD004900 | BASE PIN              | PH 6P TE       | ベースピン     | CB4                    |     |
|          | VD005300 | BASE PIN              | PH 10P TE      | ベースピン     | CB3                    |     |
|          | LB300730 | BASE PIN              | NH 3P TE       | ベースポスト    | CB8                    |     |
|          | LB400570 | BASE PIN              | NH 4P TE       | ベースポスト    | CB9,10                 |     |
|          | LB500250 | BASE PIN              | NH 5P TE       | ベースポスト    | CB11,12                |     |
|          | Vi009100 | CONNECTOR             | 17P TE         | FPC コネクター | CB7                    |     |
|          | VH721600 | FILTER                | PFB-3          | LCフィルター   | Fi1,2                  | J   |
|          | Vi528800 | QUARTZ CRYSTAL UNIT   | 33.8688MHz     | 水晶振動子     | XL1                    |     |
|          | VB860700 | PRE-SET POTENTIOMETER | B100           | 半固定VR     | VR1                    |     |
|          | VC612300 | PRE-SET POTENTIOMETER | B1.5K          | 半固定VR     | VR10                   |     |
|          | VC055400 | PRE-SET POTENTIOMETER | B15K           | 半固定VR     | VR8                    |     |
|          | VB861500 | PRE-SET POTENTIOMETER | B10K           | 半固定VR     | VR3,6,9                |     |
|          | VB861800 | PRE-SET POTENTIOMETER | B47K           | 半固定VR     | VR4,5                  |     |
|          | VB861900 | PRE-SET POTENTIOMETER | B100K          | 半固定VR     | VR2,7                  |     |
|          | iA093300 | TRANSISTOR            | 2SA933S Q,R    | トランジスタ    | Q7,8,10,17,20-22       |     |
|          | iB054400 | TRANSISTOR            | 2SB544         | トランジスタ    | Q1,5,19,24             |     |
|          | VC619100 | TRANSISTOR            | 2SA1323 B,C    | トランジスタ    | Q33                    |     |
|          | Vi530900 | TRANSISTOR            | 2SB1185 E,F    | トランジスタ    | Q3,12                  |     |
|          | iC174070 | TRANSISTOR            | 2SC1740S R,S   | トランジスタ    | Q6,9,13-15             |     |
|          | VC529400 | TRANSISTOR            | 2SC3315 C,D    | トランジスタ    | Q16                    |     |
|          | iD040000 | TRANSISTOR            | 2SD400         | トランジスタ    | Q4,18,23               |     |
|          | VC502100 | TRANSISTOR            | 2SD1915 S,T    | トランジスタ    | Q25-32,34              |     |
|          | VE029200 | TRANSISTOR            | 2SD1985 P,Q    | トランジスタ    | Q2,11                  |     |
|          | iF004600 | DIODE                 | 1SS133         | ダイオード     | D1,3-5,15,17,28        |     |
|          | VH770800 | DIODE                 | 1SR139-100T-32 | ダイオード     | D2,6,10,11,13,14,18-23 |     |
|          | VG437400 | ZENER DIODE           | MTZJ5.1B       | ツェナーダイオード | D12                    |     |
|          | VG438000 | ZENER DIODE           | MTZJ6.2B       | ツェナーダイオード | D9                     |     |
|          | VG438900 | ZENER DIODE           | MTZJ8.2B       | ツェナーダイオード | D16                    |     |
|          | VG439200 | ZENER DIODE           | MTZJ9.1B       | ツェナーダイオード | D7,8                   |     |
|          | VH721700 | IC                    | S2FR04         | HIC       | IC19                   |     |
|          | VB966900 | PIN                   |                | スタイルピン    |                        |     |
|          | VA913200 | RADIATOR              |                | 放熱器       |                        |     |
|          | BB070420 | BUS BAR               |                | バスバー      |                        | J   |
|          | ED330066 | BINDING HEAD SCREW    | 3x6 FCRN3-BL   | バインド小ネジ   | PACK                   |     |
|          | Vi745400 | HEAT SINK             |                | 放熱プレート    |                        |     |
|          | Vi835500 | HEAT SINK             | PH-0124S-B     | 放熱板       |                        |     |

\*New Parts (新規部品)

ランク : Japan only

## ● CDX-930

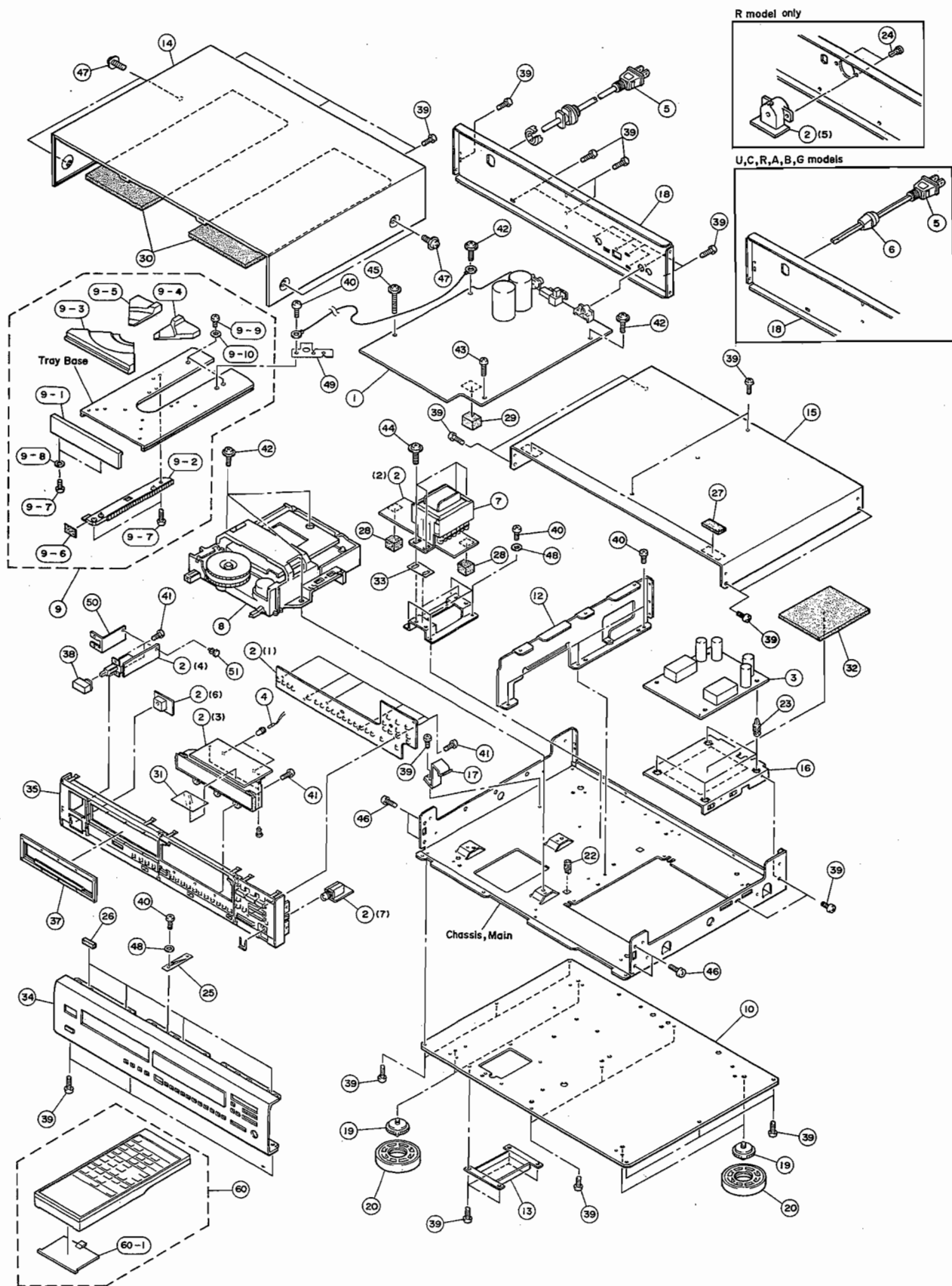
| Ref. NO. | PART NO. | Description             | 部 品 名            | Remarks    | Markets          | ランク  |
|----------|----------|-------------------------|------------------|------------|------------------|------|
|          | Vi485200 | OPERATION CIRCUIT BOARD |                  | オペレーションシート | J                |      |
|          | Vi485300 | OPERATION CIRCUIT BOARD |                  | オペレーションシート | UC               |      |
|          | Vi485400 | OPERATION CIRCUIT BOARD |                  | オペレーションシート | R                |      |
|          | Vi485500 | OPERATION CIRCUIT BOARD |                  | オペレーションシート | ABG              |      |
|          | VG278900 | CERAMIC CAP             | 680pF 50V        | 円筒セラコン     | C503             |      |
|          | VF467000 | CERAMIC CAP             | 1000pF 50V       | 円筒セラコン     | C501             |      |
|          | VF467300 | CERAMIC CAP             | 0.01uF 16V       | 円筒セラコン     | C504,505,508-510 |      |
|          | VE179200 | CERAMIC CAP             | 0.01uF 400V      | 規格認定コン     | C506,507,511     | RABG |
|          | Fi324100 | CERAMIC CAP             | 0.01uF 250V (DE) | スパークキラーコン  | C506,507,511     | J    |
|          | Fi384100 | CERAMIC CAP             | 0.01uF 400V      | 規格認定コン     | C506,507,511     | U,C  |
|          | UJ118100 | ELECTROLYTIC CAP        | 100uF 6.3V       | ケミコン       | C502             |      |
|          | VD473700 | COIL                    | 60uH SBT-0460T   | コイル        | L502-504         |      |
|          | VE800700 | LINE FILTER             | 1.8mH            | ラインフィルタ    | L501             |      |
|          | Vi491100 | FERRITE CORE            | BP53RB19012080M  | フェライトコア    | L505             |      |
|          | HL324270 | METAL OXIDE RESISTOR    | 27Ω 2W           | 酸化金属被膜抵抗   | R507,508         |      |
|          | XB417001 | IC                      | LC7582           | IC         | IC501            |      |
|          | VH701700 | LCD                     | LCD8107B1JP      | 液晶ディスプレイ   | V501             |      |
|          | VF926500 | LIGHT DETECTING MODULE  | GP1U50iX         | リモコン受光ユニット | U501             |      |
|          | VG388100 | VOLTAGE SELCTOR         |                  | 電圧切換器      | SV530            | R    |
|          | Vi319200 | PUSH SWITCH             | SDDL1            | プッシュSW     | SV259            |      |
|          | VG392900 | TACT SWITCH             | SKHVAA           | タクトSW      | SV501-528        |      |
|          | VH521300 | PHONES JACK             |                  | ヘッドホンジャック  | JK501            |      |
|          | LA002140 | LAPPING TERMINAL        | 2P P=10 i-TYPE   | ラッピング端子    | TE501            |      |
|          | VG879900 | BASE PIN                | VH 2P TE         | ベースピン      | CB501            |      |
|          | VD004700 | BASE PIN                | PH 4P TE         | ベースピン      | CB502            |      |
|          | LB918060 | BASE PIN                | XH 6P TE         | ベースツキポスト   | CB503            |      |
|          | iF004600 | DIODE                   | 1SS133           | ダイオード      | D501-507         |      |
|          | VH879100 | REFLECTOR               |                  | リフレクター     |                  |      |
|          | VH879200 | SHEET/DIFFUSION         |                  | シート/カクサン   |                  |      |
|          | CB605620 | PLASTIC RIVET           |                  | プラスチックリベット |                  |      |
|          | VF444500 | LAMP CAP                |                  | ランプキャップ    |                  |      |
|          | VJ019900 | SHIELD/TRANSFORMER      |                  | シールド/トランス  | ABG              |      |

\*New Parts (新規部品)

ランク : Japan only

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CDX-1030 EXPLODED VIEW



CDX-1030 MECHANICAL PARTS

Note ) Ø : Diameter

| Ref. NO. | PART NO. | Description                | 部 品 名       | Remarks           | Markets | ランク |
|----------|----------|----------------------------|-------------|-------------------|---------|-----|
| 1        | Vi483400 | MAIN CIRCUIT BOARD         | メインシート      |                   | J       |     |
| 1        | Vi483500 | MAIN CIRCUIT BOARD         | メインシート      |                   | UC      |     |
| 1        | Vi483600 | MAIN CIRCUIT BOARD         | メインシート      |                   | R       |     |
| 1        | Vi483700 | MAIN CIRCUIT BOARD         | メインシート      |                   | ABG     |     |
| 2        | Vi482400 | OPERATION CIRCUIT BOARD    | オペレーションシート  |                   | J       |     |
| 2        | Vi482500 | OPERATION CIRCUIT BOARD    | オペレーションシート  |                   | UC      |     |
| 2        | Vi482600 | OPERATION CIRCUIT BOARD    | オペレーションシート  |                   | R       |     |
| 2        | Vi482700 | OPERATION CIRCUIT BOARD    | オペレーションシート  |                   | ABG     |     |
| 3        | Vi484000 | AUDIO CIRCUIT BOARD        | オーディオシート    |                   |         |     |
| 4        | Vi284600 | LAMP                       | ランプ         | 150mA 8V          |         |     |
| 5        | VH201200 | POWER CORD                 | 電源コード       | 7A 125V 2m        | J       |     |
| 5        | MG002220 | POWER CORD                 | 電源コード       | 10A 125V          | U       |     |
| 5        | VE371000 | POWER CORD                 | 電源コード       | 6A 2m             | R       |     |
| 5        | MG002310 | POWER CORD                 | 電源コード       | 7.5A              | A       |     |
| 5        | MG002330 | POWER CORD                 | 電源コード       | 6A                | B       |     |
| 5        | MG002320 | POWER CORD                 | 電源コード       | 2.5A              | G       |     |
| 6        | CB620190 | CORD STOPPER               | コードストッパー    | CM-22B            | RABG    |     |
| 6        | CB620200 | CORD STOPPER               | コードストッパー    | CM-22C            | UC      |     |
| 7        | XG463A00 | POWER TRANSFORMER          | 電源トランス      |                   | J       |     |
| 7        | XG464A00 | POWER TRANSFORMER          | 電源トランス      |                   | U       |     |
| 7        | XG465A00 | POWER TRANSFORMER          | 電源トランス      |                   | R       |     |
| 7        | XG466A00 | POWER TRANSFORMER          | 電源トランス      |                   | AB      |     |
| 7        | XG467A00 | POWER TRANSFORMER          | 電源トランス      |                   | G       |     |
| 8        | Vi483100 | DISC MECHANISM UNIT        | ディスクメカユニット  | DH-89X            |         |     |
| 9        | Vi483300 | TRAY ASS'Y                 | トレイASSY     |                   | BL      |     |
| 9        | Vi483200 | TRAY ASS'Y                 | トレイASSY     |                   | T       |     |
| 9-1      | Vi031100 | LID/TRAY                   | リッド/トレイ     |                   | BL      |     |
| 9-1      | Vi071800 | LID/TRAY                   | リッド/トレイ     |                   | T       |     |
| 9-2      | VH651300 | RACK/TRAY                  | ラック/トレイ     |                   |         |     |
| 9-3      | Vi807600 | DISC MAT ASS'Y             | ディスクマットASSY | FT                | BL      |     |
| 9-3      | Vi809200 | DISC MAT ASS'Y             | ディスクマットASSY | FT                | T       |     |
| 9-4      | Vi807700 | DISC MAT ASS'Y             | ディスクマットASSY | RR                | BL      |     |
| 9-4      | Vi809300 | DISC MAT ASS'Y             | ディスクマットASSY | RR                | T       |     |
| 9-5      | Vi807800 | DISC MAT ASS'Y             | ディスクマットASSY | RL                | BL      |     |
| 9-5      | Vi809400 | DISC MAT ASS'Y             | ディスクマットASSY | RL                | T       |     |
| 9-6      | Vi985900 | CUSHION/RACK               | クッション/ラック   |                   |         |     |
| 9-7      | Ei326086 | BINDING HEAD B-TIGHT SCREW | バインドタッピングネジ | 2.6x8 ZMC2-BL     | PACK    |     |
| 9-8      | Vi912700 | WASHER                     | スパック座金      | 4x7.7x0.8 ZMC2-BL | PACK    |     |
| 9-9      | Ei130066 | BINDING HEAD TAPPING SCREW | バインドBタイトネジ  | 3x6 FCRM3-3G      | PACK    |     |
| 9-10     | Vi983600 | SPACER/WASHER              | スペーサー/ワッシャー |                   |         |     |
| 10       | VH879300 | BOTTOM COVER               | ボトムカバー      | L                 |         |     |
| 11       | VH910800 | FRAME/TRANSFORMER          | フレーム/トランス   |                   |         |     |
| 12       | VH881700 | CENTER FRAME               | センターフレーム    |                   |         |     |
| 13       | VH879500 | MOTOR COVER                | モーターカバー     |                   |         |     |
| 14       | Vi984300 | TOP COVER                  | トップカバー      |                   | BL      |     |
| 14       | Vi984400 | TOP COVER                  | トップカバー      |                   | T       |     |
| 15       | VH881800 | INNER TOP                  | インナートップ     |                   |         |     |
| 16       | Vi295000 | CHASSIS                    | シャーシ        |                   |         |     |
| 17       | Vi770100 | GROUND PLATE               | アースプレート     |                   |         |     |
| 18       | VH879600 | REAR PANEL                 | リヤパネル       |                   | J       |     |

※New Parts (新規部品)

ランク : Japan only

## ● CDX-1030

| Ref. NO. | PART NO. | Description                | 部 品 名                         | Remarks | Markets    | ランク |
|----------|----------|----------------------------|-------------------------------|---------|------------|-----|
| * 18     | VH879700 | REAR PANEL                 | リヤパネル                         |         | U          |     |
| * 18     | VH879800 | REAR PANEL                 | リヤパネル                         |         | C          |     |
| * 18     | VH879900 | REAR PANEL                 | リヤパネル                         |         | R          |     |
| * 18     | VH880000 | REAR PANEL                 | リヤパネル                         |         | A          |     |
| * 18     | VH880100 | REAR PANEL                 | リヤパネル                         |         | B          |     |
| * 18     | VH880200 | REAR PANEL                 | リヤパネル                         |         | G          |     |
| 19       | VG143400 | LEG                        | レッグ                           |         | J          |     |
| 19       | VG772900 | LEG                        | レッグ                           |         | UCRABG     |     |
| * 20     | Vi690400 | LEG BASE ASS'Y             | レッグベースASSY                    |         | J          |     |
| 21       | VG772500 | LEG ASS'Y                  | レッグASSY                       | BL      | UCRABG     |     |
| * 21     | Vi690100 | LEG ASS'Y                  | レッグASSY                       | T       | UCRABG     |     |
| * 22     | Vi048500 | PC SUPPORT                 | PCサポート                        |         |            |     |
| 23       | CB603730 | SUPPORT,PCB                | 基板サポート                        |         | R          |     |
| 24       | CB609260 | PLASTIC RIVET              | ブラリベット                        |         |            |     |
| 25       | BB071170 | GROUND METAL               | アースプレート                       |         |            |     |
| * 26     | VJ013200 | CUSHION/TOP                | クッション/トップ                     |         |            |     |
| 27       | Vi432900 | CUSHION/TOP                | クッション/トップ                     |         |            |     |
| * 28     | Vi432800 | SPACER/TRANSFORMER         | スパーサ                          |         |            |     |
| 29       | Vi299500 | SHEET/DAMPER               | シート                           |         |            |     |
| * 30     | Vi433000 | DAMPER/TOP                 | ダンパー/トップ                      |         |            |     |
| * 31     | Vi770300 | SHIELD SHEET               | シールドシート                       |         |            |     |
| * 32     | Vi797700 | DAMPER/CHASSIS             | ダンパー                          |         |            |     |
| * 33     | Vi797800 | DAMPER/FELT                | ダンパー/フェルト                     |         |            |     |
| * 34     | VJ159800 | FRONT PANEL ASS'Y          | フロントパネルASSY                   | BL      |            |     |
| * 34     | VJ159900 | FRONT PANEL ASS'Y          | フロントパネルASSY                   | T       |            |     |
| * 35     | VH879000 | SUB PANEL                  | サブパネル                         | BL      |            |     |
| * 35     | VH878800 | SUB PANEL                  | サブパネル                         | T       |            |     |
| * 37     | VH881200 | PAD                        | パッド                           |         |            |     |
| 38       | VH841900 | BUTTON                     | ボタン                           | BL      |            |     |
| 38       | VH842000 | BUTTON                     | ボタン                           | T       |            |     |
| 39       | EN301010 | BINDING HEAD BONDING SCREW | 3x8 FCRM3-BL ボンディングタップネジ      |         |            |     |
| 40       | Ei330066 | BINDING HEAD TAPPING SCREW | 3x6 FCRM3-BL バインドタッピングネジ      | PACK    |            |     |
| 41       | EX000400 | BINDING HEAD P-TIGHT SCREW | 3x6 ZMC2-BL バインドPタイトネジ        |         |            |     |
| 42       | EK330030 | BW HEAD TAPPING SCREW      | 3x10-8 FCM3-BL BWヘッドタッピングネジ   |         |            |     |
| 43       | EX600250 | CUP B-TIGHT SCREW          | 3x10 FCRM3-BL カップBタイトネジ       |         |            |     |
| 44       | EX600520 | BW HEAD TAPPING SCREW      | 4x10-10 FCRM3-BL BWヘッドタッピングネジ |         |            |     |
| 45       | EK935010 | BW HEAD P-TIGHT SCREW      | 3x20x8 FCRM3-BL BWヘッドタッピングネジ  |         |            |     |
| 46       | EX600310 | BIND HEAD P-TIGHT SCREW    | 3x8 FCRM3-BL バインドPタイトネジ       |         |            |     |
| 47       | EK365090 | BW HEAD SCREW              | 4x8-10 FCRM3-BL BWヘッドSタイトネジ   | BL      |            |     |
| 47       | EX601150 | BW HEAD SCREW              | 4x8x10 FNM3-BL BWヘッドSタイトネジ    | T       |            |     |
| 48       | EV413036 | TOOTHED LOCK WASHER        | M3 ZCM2-BL 歯付座金               | PACK    |            |     |
| * 49     | VJ122100 | SUPPORT/WIRE               | サポート/線材                       |         |            |     |
| 50       | Vi770200 | SHIELD PLATE               | シールドプレート                      |         |            |     |
| 51       | CB602970 | PLASTIC RIVET              | ブラリベット                        |         |            |     |
|          | CB069250 | BINDING TIE                | BK-1 束線止め                     |         |            |     |
|          |          | ACCESSORIES                | 付属品                           |         |            |     |
| * 60     | VH933000 | REMOTE CONTROL TRANSMITTER | リモコン                          |         |            |     |
| 60-1     | CX607200 | LID                        | 電池蓋                           |         | KPH1-562-1 |     |
|          | VD295300 | DRY CELL                   | UM-4, R03 乾電池                 |         | J          |     |
|          | VC167600 | PIN PLUG CORD              | 1P 1.2m ビンコード                 |         | UCRABG     |     |
|          |          |                            | 2P 0.8m ビンコード                 |         |            |     |

\*New Parts (新規部品)

ランク : Japan only





**■ CDX-930 MECHANICAL PARTS** Note ) Ø : Diameter

| Ref. NO. | PART NO. | Description                | 部 品 名        | Remarks           | Markets | ランク |
|----------|----------|----------------------------|--------------|-------------------|---------|-----|
| * 1      | Vi485800 | MAIN CIRCUIT BOARD         | メインシート       |                   | J       |     |
| * 1      | Vi485900 | MAIN CIRCUIT BOARD         | メインシート       |                   | UC      |     |
| * 1      | Vi486000 | MAIN CIRCUIT BOARD         | メインシート       |                   | R       |     |
| * 1      | Vi486100 | MAIN CIRCUIT BOARD         | メインシート       |                   | ABG     |     |
| * 2      | Vi485200 | OPERATION CIRCUIT BOARD    | オペレーションシート   |                   | J       |     |
| * 2      | Vi485300 | OPERATION CIRCUIT BOARD    | オペレーションシート   |                   | UC      |     |
| * 2      | Vi485400 | OPERATION CIRCUIT BOARD    | オペレーションシート   |                   | R       |     |
| * 2      | Vi485500 | OPERATION CIRCUIT BOARD    | オペレーションシート   |                   | ABG     |     |
| 4        | Vi284600 | LAMP                       | ランプ          | 150mA 8V          |         |     |
| 5        | MG001210 | POWER CORD                 | 電源コード        | 15A               | J       | △   |
| 5        | MG002220 | POWER CORD                 | 電源コード        | 10A 125V          | U       | △   |
| 5        | VE371000 | POWER CORD                 | 電源コード        | 6A 2m             | R       | △   |
| 5        | MG002310 | POWER CORD                 | 電源コード        | 7.5A              | A       | △   |
| 5        | MG002330 | POWER CORD                 | 電源コード        | 6A                | B       | △   |
| 5        | MG002320 | POWER CORD                 | 電源コード        | 2.5A              | G       | △   |
| 6        | CB620190 | CORD STOPPER               | コードストッパー     | CM-22B            | RABG    |     |
| 6        | CB620200 | CORD STOPPER               | コードストッパー     | CM-22C            | JUC     |     |
| * 7      | XG458A00 | POWER TRANSFORMER          | 電源トランス       |                   | J       | △   |
| * 7      | XG459A00 | POWER TRANSFORMER          | 電源トランス       |                   | UC      | △   |
| * 7      | XG460A00 | POWER TRANSFORMER          | 電源トランス       |                   | R       | △   |
| * 7      | XG461A00 | POWER TRANSFORMER          | 電源トランス       |                   | AB      | △   |
| * 7      | XG462A00 | POWER TRANSFORMER          | 電源トランス       |                   | G       | △   |
| * 8      | Vi485700 | DISC MECHANISM UNIT        | ディスクメカユニット   | DM-89E            |         |     |
| * 9      | Vi483300 | TRAY ASS'Y                 | トレーASSY      | BL                |         |     |
| * 9      | Vi483200 | TRAY ASS'Y                 | トレーASSY      | T                 |         |     |
| 9-1      | Vi031100 | LID/TRAY                   | リッド/トレイ      | BL                |         |     |
| 9-1      | Vi071800 | LID/TRAY                   | リッド/トレイ      | T                 |         |     |
| 9-2      | VH651300 | RACK/TRAY                  | ラック/トレイ      |                   |         |     |
| 9-3      | Vi807600 | DISC MAT ASS'Y             | ディスクマットASSY  | BL                |         |     |
| 9-3      | Vi809200 | DISC MAT ASS'Y             | ディスクマットASSY  | T                 |         |     |
| 9-4      | Vi807700 | DISC MAT ASS'Y             | ディスクマットASSY  | BL                |         |     |
| 9-4      | Vi809300 | DISC MAT ASS'Y             | ディスクマットASSY  | T                 |         |     |
| 9-5      | Vi807800 | DISC MAT ASS'Y             | ディスクマットASSY  | BL                |         |     |
| 9-5      | Vi809400 | DISC MAT ASS'Y             | ディスクマットASSY  | T                 |         |     |
| 9-6      | Vi985900 | CUSHION/RACK               | クッション/ラック    |                   |         |     |
| 9-7      | Ei326086 | BINDING HEAD B-TIGHT SCREW | バインドヘッドタイトネジ | 2.6x8 ZMC2-BL     | PACK    |     |
| 9-8      | Vi912700 | WASHER                     | スパック座金       | 4x7.7x0.8 ZMC2-BL |         |     |
| 9-9      | Ei130066 | BINDING HEAD TAPPING SCREW | バインドヘッドタイトネジ | 3x6 FCRM3-3G      | PACK    |     |
| 9-10     | Vi983600 | SPACER/WASHER              | スペーサー/ワッシャー  |                   |         |     |
| * 10     | VH879400 | BOTTOM COVER               | ボトムカバー S     |                   |         |     |
| 11       | VH910800 | FRAME/TRANSFORMER          | フレーム/トランス    |                   |         |     |
| * 12     | VJ019900 | SHEILD/TRANSFORMER         | シールド/トランス    |                   |         |     |
| 14       | Vi984300 | TOP COVER                  | トップカバー       | BL                |         |     |
| 14       | Vi984400 | TOP COVER                  | トップカバー       | T                 |         |     |
| 17       | Vi770100 | GROUND PLATE               | アースプレート      |                   |         |     |
| * 18     | VH880400 | REAR PANEL                 | リヤパネル        |                   | J       |     |
| * 18     | VH880500 | REAR PANEL                 | リヤパネル        |                   | U       |     |
| * 18     | VH880600 | REAR PANEL                 | リヤパネル        |                   | C       |     |
| * 18     | VH880700 | REAR PANEL                 | リヤパネル        |                   | R       |     |
| * 18     | VH880800 | REAR PANEL                 | リヤパネル        |                   | A       |     |

\*New Parts (新規部品)

ランク : Japan only

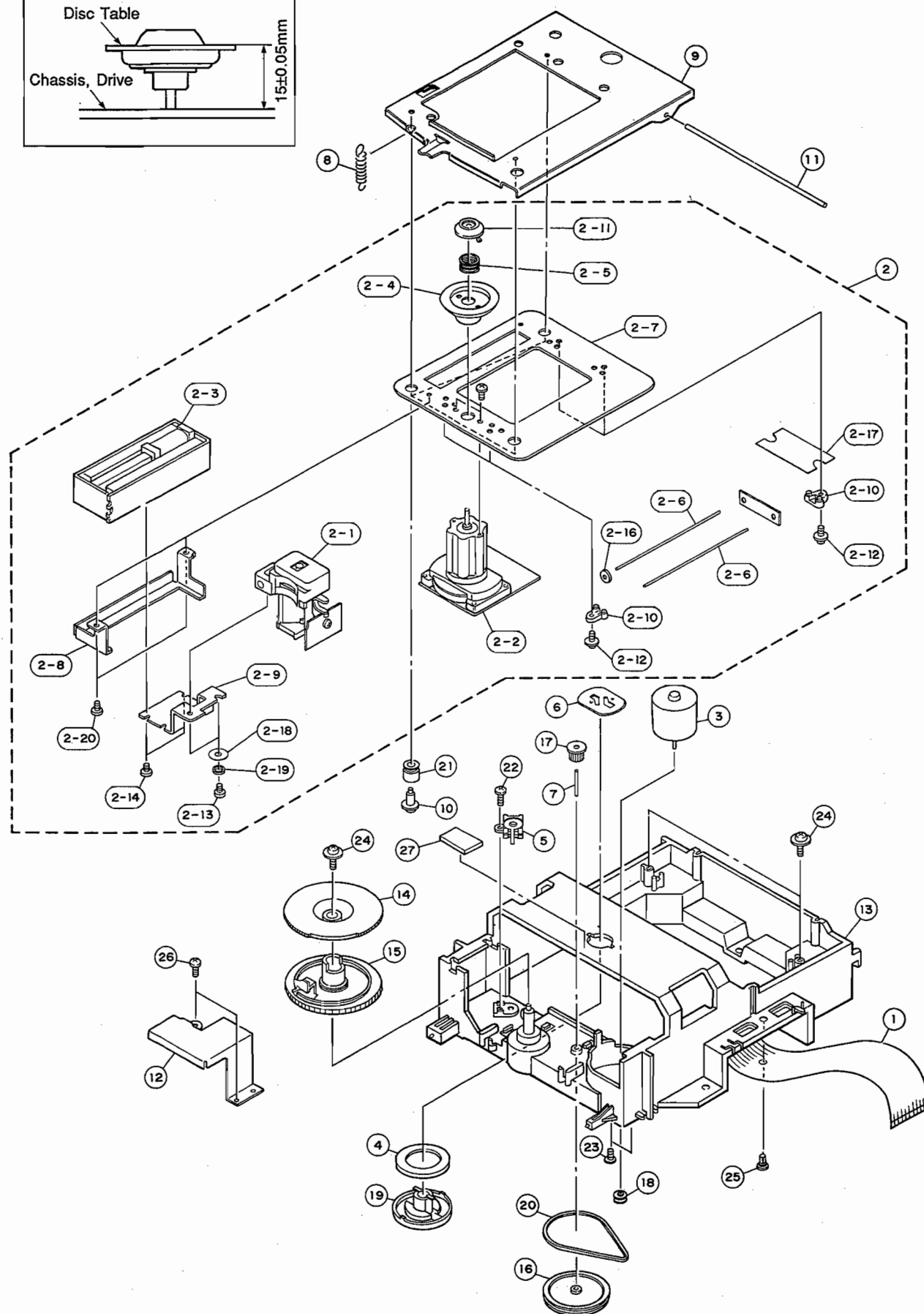
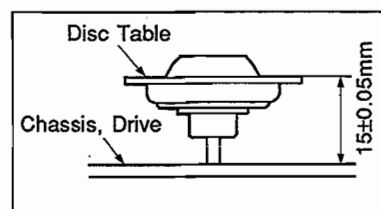
**● CDX-930**

| Ref. NO. | PART NO. | Description                | 部 品 名        | Remarks         | Markets    | ランク |
|----------|----------|----------------------------|--------------|-----------------|------------|-----|
| * 18     | VH880900 | REAR PANEL                 | リヤパネル        |                 | B          |     |
| * 18     | VH881000 | REAR PANEL                 | リヤパネル        |                 | G          |     |
| 19       | VG772900 | LEG                        | レッグ          |                 |            |     |
| * 20     | Vi690000 | LEG ASS'Y                  | レッグASSY      |                 | J          |     |
| 21       | VG772500 | LEG ASS'Y                  | レッグASSY      | BL              | UCRABG     |     |
| 21       | Vi690100 | LEG ASS'Y                  | レッグASSY      | T               | UCRABG     |     |
| 22       | Vi048500 | PC SUPPORT                 | PCサポート       |                 |            |     |
| * 23     | VJ063400 | SPACER/LID                 | スペーサー/リッド    |                 |            |     |
| 24       | CB609260 | PLASTIC RIVET              | ブラリベット       |                 | R          |     |
| 25       | BB071170 | GROUND METAL               | アースプレート      |                 |            |     |
| 26       | VJ013200 | CUSHION/TOP                | クッション/トップ    |                 |            |     |
| * 28     | Vi465700 | SPACER/TRANSFORMER         | スペーサー        |                 |            |     |
| 29       | Vi299500 | SHEET/DAMPER               | シート          |                 |            |     |
| 30       | Vi246300 | SHEET/DAMPER               | シート/ダンパー     |                 |            |     |
| 31       | Vi770300 | SHIELD SHEET               | シールドシート      |                 |            |     |
| * 34     | VJ160000 | FRONT PANEL ASS'Y          | フロントパネルASSY  | BL              |            |     |
| * 34     | VJ160100 | FRONT PANEL ASS'Y          | フロントパネルASSY  | T               |            |     |
| 35       | VH879000 | SUB PANEL                  | サブパネル        | BL              |            |     |
| 35       | VH878800 | SUB PANEL                  | サブパネル        | T               |            |     |
| 38       | VH841900 | BUTTON                     | ボタン          | BL              |            |     |
| 38       | VH842000 | BUTTON                     | ボタン          | T               |            |     |
| 39       | EN301010 | BINDING HEAD BONDING SCREW | ボンディングタッパネジ  | 3x8 FCRM3-BL    |            |     |
| 40       | Ei330066 | BINDING HEAD TAPPING SCREW | バインドタッピングネジ  | 3x6 FCRM3-BL    | PACK       |     |
| 41       | EX000400 | BINDING HEAD P-TIGHT SCREW | バインドPタイトネジ   | 3x6 ZMC2-BL     |            |     |
| 42       | EK330030 | BW HEAD TAPPING SCREW      | BWヘッドタッピングネジ | 3x10-8 FCM3-BL  |            |     |
| 43       | EX600250 | CUP B-TIGHT SCREW          | カップBタイトネジ    | 3x10 FCRM3-BL   |            |     |
| 45       | EK935010 | BW HEAD P-TIGHT SCREW      | BWヘッドタッピングネジ | 3x20x8 FCRM3-BL |            |     |
| 46       | EX600310 | BIND HEAD P-TIGHT SCREW    | バインドPタイトネジ   | 3x8 FCRM3-BL    |            |     |
| 47       | EK365090 | BW HEAD SCREW              | BWヘッドSタイトネジ  | 4x8-10 FCRM3-BL | BL         |     |
| 47       | EX601150 | BW HEAD SCREW              | BWヘッドSタイトネジ  | 4x8x10 FNM3-BL  | T          |     |
| 48       | EV413036 | TOOTHED LOCK WASHER        | 歯付座金         | M3 ZCM2-BL      | PACK       |     |
| * 49     | VJ122100 | SUPPORT /WIRE              | サポート/線材      |                 |            |     |
| * 50     | Vi770200 | SHIELD PLATE               | シールドプレート     |                 |            |     |
| 51       | CB602970 | PLASTIC RIVET              | ブラリベット       |                 |            |     |
|          | CB069250 | BINDING TIE                | 束縛止め         | BK-1            |            |     |
|          |          | ACCESSORIES                | 付属品          |                 |            |     |
| 60       | VH933000 | REMOTE CONTROL TRANSMITTER | リモコン         |                 |            |     |
| 60-1     | CX607200 | LID                        | 電池蓋          |                 | KPM1-562-1 |     |
|          | VD295300 | DRY CELL                   | 乾電池          | UH-4,R03        |            |     |
|          | VC167600 | PIN PLUG CORD              | ピンコード        | 1P 1.2m         | J          |     |
|          |          | PIN PLUG CORD              | ピンコード        | 2P 0.8m         | UCRABG     |     |

\*New Parts (新規部品)

ランク : Japan only

## ■ EXPLODED VIEW (Disc Mechanism)



## ■ MECHANICAL PARTS (Disc Mechanism) Note ) Ø : Diameter

## ● CDX-930/1030

| Ref. NO. | PART NO. | Description                  | 部 品 名          | Remarks      | Markets  | ランク |
|----------|----------|------------------------------|----------------|--------------|----------|-----|
| *        | Vi483100 | DISC MECHANISM UNIT          | DM-89X         | ディスクメカユニット   | CDX-1030 |     |
| *        | Vi485700 | DISC MECHANISM UNIT          | DM-89E         | ディスクメカユニット   | CDX-930  |     |
| 1        | XG926A00 | FLEXIBLE P.C.B.              |                | PUフレキシ基板     |          |     |
| *        | Vi490000 | SPINDLE MECHANISM ASS'Y      | 89X            | スピンドルメカASSY  | CDX-1030 |     |
| *        | Vi489900 | SPINDLE MECHANISM ASS'Y      | 89E            | スピンドルメカASSY  | CDX-930  |     |
| 2-1      | Vi517200 | OPTICAL PICK UP              | TAOHS-KP2      | 光ピックアップ      |          |     |
| 2-2      | Vi070800 | MOTOR/DISC '89E              |                | モーター         | CDX-930  |     |
| 2-2      | Vi070900 | MOTOR/DISC '89X              |                | モーター         | CDX-1030 |     |
| 2-3      | Vi071000 | LINEAR ACTUATOR              | DC12V SLA2001  | リニアアクチュエータ   |          |     |
| 2-4      | Vi030600 | DISC TABLE/ '89X             |                | ディスクテーブル     | CDX-1030 |     |
| 2-4      | Vi766700 | DISC TABLE ASS'Y '89E        |                | ディスクテーブル     | CDX-930  |     |
| 2-5      | Vi030800 | SPRING/DISC                  |                | スプリング        | CDX-1030 |     |
| 2-6      | VH649400 | SHAFT/FEED                   |                | シャフト         |          |     |
| 2-7      | VH649800 | CHASSIS/DRIVE                |                | シャーシ         |          |     |
| 2-8      | VH697500 | HOLDER/LINEAR                |                | ホルダー         |          |     |
| 2-9      | VH650300 | PLATE, CONNECTING            |                | コネクティングプレート  |          |     |
| 2-10     | VH650200 | HOLDER/SHAFT                 |                | ホルダー         |          |     |
| 2-11     | Vi030700 | SENSOR CAP/'89               |                | センサーキャップ '89 | CDX-1030 |     |
| 2-12     | EK330030 | BW HEAD TAPPING SCREW        | 3x10 FCM3-BL   | BWヘッドタッピングネジ |          |     |
| 2-13     | ED026086 | BINDING HEAD SCREW           | 2.6x8 ZMC2-Y   | バインド小ネジ      |          |     |
| 2-14     | Ei020046 | BINDING HEAD TAPPING SCREW   | 2x4            | バインドタッピングネジ  |          |     |
| 2-15     | ED320046 | BINDING HEAD SCREW           | 2x4 FCRM3-BL   | バインド小ネジ      | PACK     |     |
| 2-16     | Vi460400 | CUSHION RING                 |                | クッションリング     |          |     |
| 2-17     | Vi460500 | CUSHION PILLOW               |                | クッションピロー     |          |     |
| 2-18     | EV200266 | PLAIN WASHER                 | M2.6 ZMC2-Y    | 平座金          | PACK     |     |
| 2-19     | EV300266 | SPRING WASHER                | M2.6 ZMC2-Y    | バネ座金         | PACK     |     |
| 2-20     | ED326056 | BINDING HEAD S-TIGHT SCREW   | 2.6x5 FCRM3-BL | バインドSタイトネジ   |          |     |
| 3        | VE415100 | MOTOR/F.L.S                  |                | モーター         |          |     |
| 4        | Vi493400 | MAGNET                       | FB3XDH         | マグネット        |          |     |
| 5        | Vi797900 | LOADING SWITCH CIRCUIT BOARD |                | ローディングSWシート  |          |     |
| 6        | VH924700 | FLANGE/CLAMPER               |                | フランジ         |          |     |
| 7        | AA619330 | SHAFT S                      | φ2x23L         | シャフト S       |          |     |
| 8        | Vi030900 | SPRING/HANGER                |                | スプリング        |          |     |
| 9        | VH649700 | HANGER                       |                | ハンガー         |          |     |
| 10       | VH649500 | SPECIAL SCREW                |                | 段付きネジ        |          |     |
| 11       | VH924800 | SHAFT/HINGE                  |                | シャフト         |          |     |
| 12       | Vi776700 | GEAR COVER                   |                | ギヤ カバー       |          |     |
| 13       | VH653800 | MECHANISM BASE               |                | メカベース        |          |     |
| 14       | VH650600 | GEAR/LOADING                 |                | ギヤ           |          |     |
| 15       | VH650700 | CAM/LIFTING                  |                | カム           |          |     |
| 16       | VH651000 | PULLEY/DRIVE                 |                | プーリー         |          |     |
| 17       | VH650800 | GEAR/SMALL                   |                | ギヤ           |          |     |
| 18       | CB658510 | PULLEY                       |                | Pプーリー        |          |     |
| 19       | VH651200 | CLAMPER                      |                | クランパー        |          |     |
| 20       | Vi031000 | BELT/LOADING                 |                | ベルト          |          |     |
| 21       | VH650400 | DAMPER/'89                   |                | ダンパー         |          |     |
| 22       | Ei326066 | BINDING HEAD P-TIGHT SCREW   | 2.6x6 ZMC2-BL  | バインドタッピングネジ  | PACK     |     |
| 23       | ED020046 | BINDING HEAD SCREW           | 2x4            | バインド小ネジ      |          |     |
| 24       | EK336010 | BW HEAD TAPPING SCREW        | 3x8-10 FCM3    | BWヘッドタッピングネジ |          |     |
| 25       | CB068880 | PLASTIC RIVET                |                | プラリベット       |          |     |

\*New Parts (新規部品)

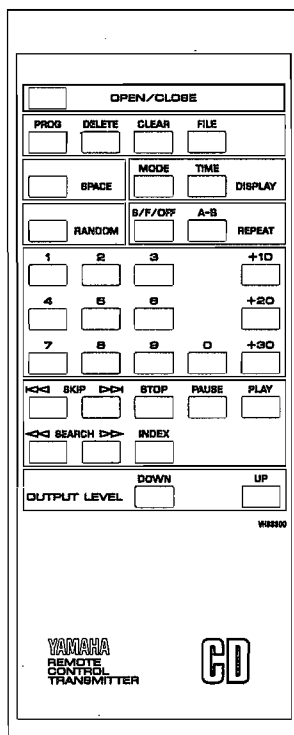
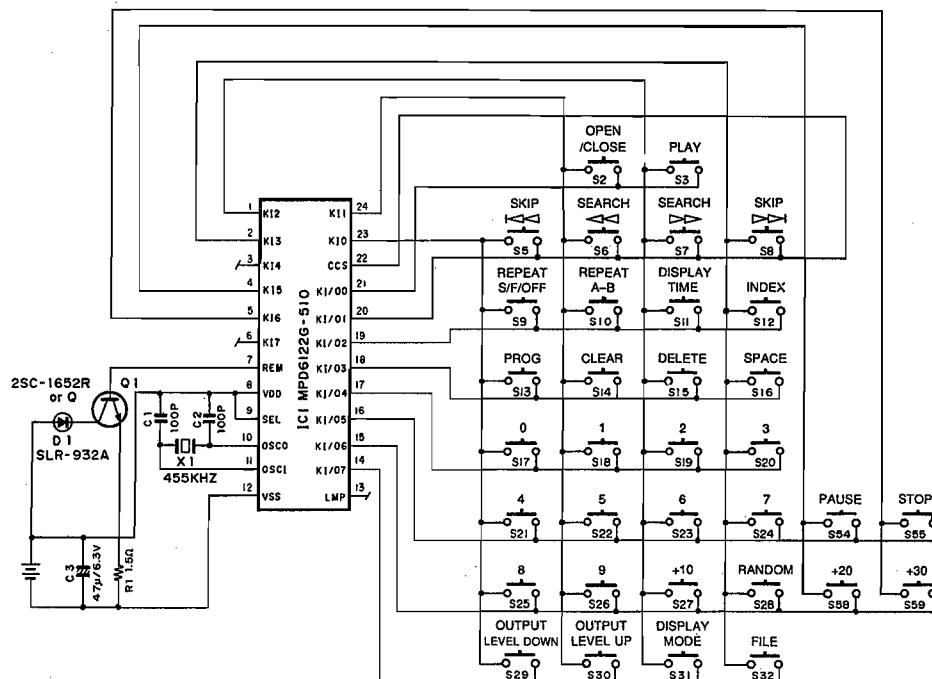
ランク : Japan only

※New Parts (新規部品)

ランク : Japan only

# REMOTE CONTROL TRANSMITTER

## ■ SCHEMATIC DIAGRAM



**CUSTOM CODE** C<sub>0</sub> C<sub>1</sub> C<sub>2</sub> C<sub>3</sub> C<sub>4</sub> C<sub>5</sub> C<sub>6</sub> C<sub>7</sub>  
**CODE** 1 0 0 1 1 1 1 0  
 0 1 1 0 0 0 0 1

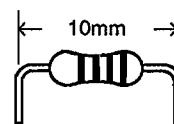
| KEY No. | D <sub>0</sub> | D <sub>1</sub> | D <sub>2</sub> | D <sub>3</sub> | D <sub>4</sub> | D <sub>5</sub> | D <sub>6</sub> | D <sub>7</sub> | FUNCTION          |
|---------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|-------------------|
| 2       | 1              | 0              | 0              | 0              | 0              | 0              | 0              | 0              | OPEN/CLOSE        |
| 3       | 0              | 1              | 0              | 0              | 0              | 0              | 0              | 0              | PLAY              |
| 5       | 0              | 0              | 1              | 0              | 0              | 0              | 0              | 0              | SKIP <<<          |
| 6       | 1              | 0              | 1              | 0              | 0              | 0              | 0              | 0              | SEARCH <<<        |
| 7       | 0              | 1              | 1              | 0              | 0              | 0              | 0              | 0              | SEARCH >>>        |
| 8       | 1              | 1              | 1              | 0              | 0              | 0              | 0              | 0              | SKIP >>>          |
| 9       | 0              | 0              | 0              | 1              | 0              | 0              | 0              | 0              | REPEAT S/F/OFF    |
| 10      | 1              | 0              | 0              | 1              | 0              | 0              | 0              | 0              | REPEAT A-B        |
| 11      | 0              | 1              | 0              | 1              | 0              | 0              | 0              | 0              | DISPLAY TIME      |
| 12      | 1              | 1              | 0              | 1              | 0              | 0              | 0              | 0              | INDEX             |
| 13      | 0              | 0              | 1              | 1              | 0              | 0              | 0              | 0              | PROG              |
| 14      | 1              | 0              | 1              | 1              | 0              | 0              | 0              | 0              | CLEAR             |
| 15      | 0              | 1              | 1              | 1              | 0              | 0              | 0              | 0              | DELETE            |
| 16      | 1              | 1              | 1              | 1              | 0              | 0              | 0              | 0              | SPACE             |
| 17      | 0              | 0              | 0              | 0              | 1              | 0              | 0              | 0              | 0                 |
| 18      | 1              | 0              | 0              | 0              | 1              | 0              | 0              | 0              | 1                 |
| 19      | 0              | 1              | 0              | 0              | 1              | 0              | 0              | 0              | 2                 |
| 20      | 1              | 1              | 0              | 0              | 1              | 0              | 0              | 0              | 3                 |
| 21      | 0              | 0              | 1              | 0              | 1              | 0              | 0              | 0              | 4                 |
| 22      | 1              | 0              | 1              | 0              | 1              | 0              | 0              | 0              | 5                 |
| 23      | 0              | 1              | 1              | 0              | 1              | 0              | 0              | 0              | 6                 |
| 24      | 1              | 1              | 1              | 0              | 1              | 0              | 0              | 0              | 7                 |
| 25      | 0              | 0              | 0              | 1              | 1              | 0              | 0              | 0              | 8                 |
| 26      | 1              | 0              | 0              | 1              | 1              | 0              | 0              | 0              | 9                 |
| 27      | 0              | 1              | 0              | 1              | 1              | 0              | 0              | 0              | +10               |
| 28      | 1              | 1              | 0              | 1              | 1              | 0              | 0              | 0              | RANDOM            |
| 29      | 0              | 0              | 1              | 1              | 1              | 0              | 0              | 0              | OUTPUT LEVEL DOWN |
| 30      | 1              | 0              | 1              | 1              | 1              | 0              | 0              | 0              | OUTPUT LEVEL UP   |
| 31      | 0              | 1              | 1              | 1              | 1              | 0              | 0              | 0              | DISPLAY MODE      |
| 32      | 1              | 1              | 1              | 1              | 1              | 0              | 0              | 0              | FILE              |
| 54      | 1              | 0              | 1              | 0              | 0              | 1              | 0              | 1              | PAUSE             |
| 55      | 0              | 1              | 1              | 0              | 0              | 1              | 0              | 1              | STOP              |
| 58      | 1              | 0              | 0              | 1              | 0              | 1              | 0              | 1              | +20               |
| 59      | 0              | 1              | 0              | 1              | 0              | 1              | 0              | 1              | +30               |

# Parts List for Carbon Resistors

| Value          | 1/4W Type Part No. | 1/6W Type Part No. | Value          | 1/4W Type Part No. | 1/6W Type Part No. |
|----------------|--------------------|--------------------|----------------|--------------------|--------------------|
| 1.0 $\Omega$   | HJ35 3100          | HF853100           | 12 K $\Omega$  | HJ35 7120          | HF85 7120          |
| 1.8 $\Omega$   | HJ35 3180          | *                  | 15 K $\Omega$  | HJ35 7150          | HF85 7150          |
| 2.2 $\Omega$   | HJ35 3220          | HF853220           | 18 K $\Omega$  | HJ35 7180          | HF85 7180          |
| 3.3 $\Omega$   | HJ35 3330          | HF853330           | 22 K $\Omega$  | HJ35 7220          | HF85 7220          |
| 4.7 $\Omega$   | HJ35 3470          | HF853470           | 27 K $\Omega$  | HJ35 7270          | HF85 7270          |
| 5.6 $\Omega$   | HJ35 3560          | HF853560           | 33 K $\Omega$  | HJ35 7330          | HF85 7330          |
| 10 $\Omega$    | HJ35 4100          | HF854100           | 39 K $\Omega$  | HJ35 7390          | HF85 7390          |
| 15 $\Omega$    | HJ35 4150          | HF854150           | 47 K $\Omega$  | HJ35 7470          | HF85 7470          |
| 22 $\Omega$    | HJ35 4220          | HF854220           | 56 K $\Omega$  | HJ35 7560          | HF85 7560          |
| 27 $\Omega$    | HJ35 4270          | HF854270           | 68 K $\Omega$  | HJ35 7680          | HF85 7680          |
| 33 $\Omega$    | HJ35 4330          | HF854330           | 82 K $\Omega$  | HJ35 7820          | HF85 7820          |
| 39 $\Omega$    | HJ35 4390          | HF854390           | 91 K $\Omega$  | HJ35 7910          | HF85 7910          |
| 47 $\Omega$    | HJ35 4470          | HF854470           | 100 K $\Omega$ | HJ35 8100          | HF858100           |
| 56 $\Omega$    | HJ35 4560          | HF854560           | 120 K $\Omega$ | HJ35 8120          | HF858120           |
| 68 $\Omega$    | HJ35 4680          | HF854680           | 150 K $\Omega$ | HJ35 8150          | HF858150           |
| 82 $\Omega$    | HJ35 4820          | HF854820           | 180 K $\Omega$ | HJ35 8180          | HF858180           |
| 100 $\Omega$   | HJ35 5100          | HF855100           | 220 K $\Omega$ | HJ35 8220          | HF858220           |
| 110 $\Omega$   | HJ35 5110          | HF855110           | 270 K $\Omega$ | HJ35 8270          | HF858270           |
| 120 $\Omega$   | HJ35 5120          | HF855120           | 330 K $\Omega$ | HJ35 8330          | HF858330           |
| 150 $\Omega$   | HJ35 5150          | HF855150           | 390 K $\Omega$ | HJ35 8390          | HF858390           |
| 160 $\Omega$   | HJ35 5160          | *                  | 470 K $\Omega$ | HJ35 8470          | HF858470           |
| 180 $\Omega$   | HJ35 5180          | HF855180           | 560 K $\Omega$ | HJ35 8560          | HF858560           |
| 220 $\Omega$   | HJ35 5220          | HF855220           | 680 K $\Omega$ | HJ35 8680          | HF858680           |
| 270 $\Omega$   | HJ35 5270          | HF855270           | 820 K $\Omega$ | HJ35 8820          | HF858820           |
| 330 $\Omega$   | HJ35 5330          | HF855330           | 1.0 M $\Omega$ | HJ35 9100          | HF859100           |
| 390 $\Omega$   | HJ35 5390          | HF855390           | 1.2 M $\Omega$ | HJ35 9120          | *                  |
| 470 $\Omega$   | HJ35 5470          | HF855470           | 1.5 M $\Omega$ | HJ35 9150          | HF859150           |
| 510 $\Omega$   | *                  | HF855510           | 1.8 M $\Omega$ | HJ35 9180          | HF859180           |
| 560 $\Omega$   | HJ35 5560          | HF855560           | 2.2 M $\Omega$ | HJ35 9220          | HF859220           |
| 680 $\Omega$   | HJ35 5680          | HF855680           | 3.3 M $\Omega$ | HJ35 9330          | HF859330           |
| 820 $\Omega$   | HJ35 5820          | HF855820           | 3.9 M $\Omega$ | HJ35 9390          | *                  |
| 910 $\Omega$   | HJ35 5910          | HF855910           | 4.7 M $\Omega$ | HJ35 9470          | HF859470           |
| 1.0 K $\Omega$ | HJ35 6100          | HF856100           |                |                    |                    |
| 1.2 K $\Omega$ | HJ35 6120          | HF856120           |                |                    |                    |
| 1.5 K $\Omega$ | HJ35 6150          | HF856150           |                |                    |                    |
| 1.8 K $\Omega$ | HJ35 6180          | HF856180           |                |                    |                    |
| 2.0 K $\Omega$ | HJ35 6200          | HF856200           |                |                    |                    |
| 2.2 K $\Omega$ | HJ35 6220          | HF856220           |                |                    |                    |
| 2.4 K $\Omega$ | HJ35 6240          | HF856240           |                |                    |                    |
| 2.7 K $\Omega$ | HJ35 6270          | HF856270           |                |                    |                    |
| 3.0 K $\Omega$ | HJ35 6300          | HF856300           |                |                    |                    |
| 3.3 K $\Omega$ | HJ35 6330          | HF856330           |                |                    |                    |
| 3.6 K $\Omega$ | HJ35 6360          | HF856360           |                |                    |                    |
| 3.9 K $\Omega$ | HJ35 6390          | HF856390           |                |                    |                    |
| 4.7 K $\Omega$ | HJ35 6470          | HF856470           |                |                    |                    |
| 5.1 K $\Omega$ | HJ35 6510          | HF856510           |                |                    |                    |
| 5.6 K $\Omega$ | HJ35 6560          | HF856560           |                |                    |                    |
| 6.8 K $\Omega$ | HJ35 6680          | HF856680           |                |                    |                    |
| 8.2 K $\Omega$ | HJ35 6820          | HF856820           |                |                    |                    |
| 9.1 K $\Omega$ | HJ35 6910          | HF856910           |                |                    |                    |
| 10 K $\Omega$  | HJ35 7100          | HF857100           |                |                    |                    |

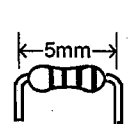
1/4W Type

HJ35 ○○○○



1/6W Type

HF85 ○○○○





# YAMAHA

YAMAHA CORPORATION  
P.O. BOX 1, HAMAMATSU, JAPAN

*Hi-Fi Stereo*

# SERVICE NEWS

CDX-930/CDX-1030

BULLETIN NO. E-461

DATE: March, 1990

## Correction on Service Manual

Please make the correction on your Service Manual as follow.  
Change this information to your Service Manual.

Page 7~13.



# YAMAHA

YAMAHA CORPORATION  
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*Hi-Fi Stereo*

# SERVICE NEWS

CDX-930/1030

BULLETIN NO.: E-529

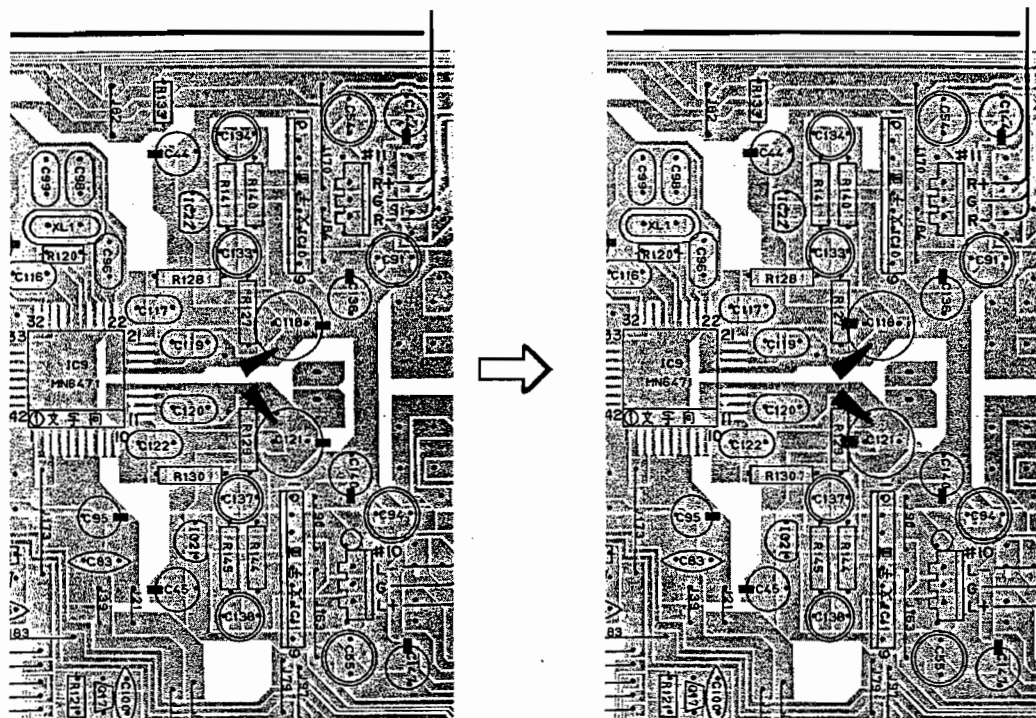
DATE : May, 1991

## Reinstallation of Electrolytic Capacitor Installed with Polarities Inverted

[Purpose] There are some cases that the electrolytic capacitors 220  $\mu$ F/25V (C118, C121) in the Main Circuit Board is installed with its polarities inverted due to a misprint on the printed circuit board. As such incorrect installation will be cause of deterioration, make sure to check polarities of the capacitor whenever servicing it and reinstall it as necessary.

Incorrect

correct



[Applicability]

CDX-930 #N04521 0YO~

CDX-1030 #N02991 1ZP~

# **CDX-930/1030**

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# **YAMAHA**