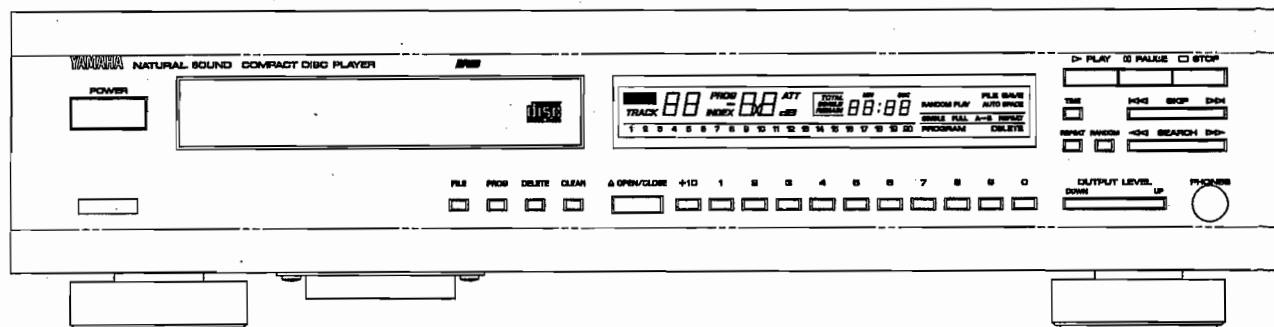


COMPACT DISC PLAYER

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.

■ CONTENTS

TO SERVICE PERSONNEL	1~2
REAR PANELS	3
INTERLOCK OPERATION	4
SPECIFICATIONS	5
INTERNAL VIEW	5
BLOCK DIAGRAM	6~7
DISASSEMBLY PROCEDURES	8
ADJUSTMENTS	8~12
TEST MODE	13~15

ERROR MESSAGE	16~17
DISPLAY DATA	18
IC DATA	19~25
PRINTED CIRCUIT BOARD	26~32
INTERCONNECT WIRING DIAGRAM	33
SCHEMATIC DIAGRAM	34~36
PARTS LIST	37~53
REMOTE CONTROL TRANSMITTER	54

■ 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.

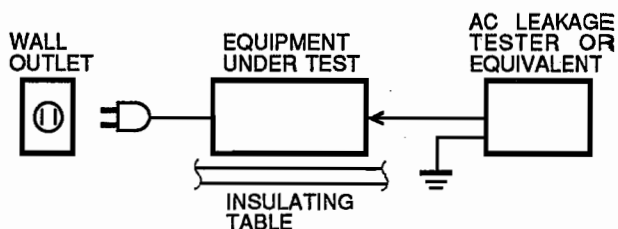
- Meter impedance should be equivalent to 1500 ohm shunted by 0.15 μ F.

- Leakage current must not exceed 0.5mA.

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

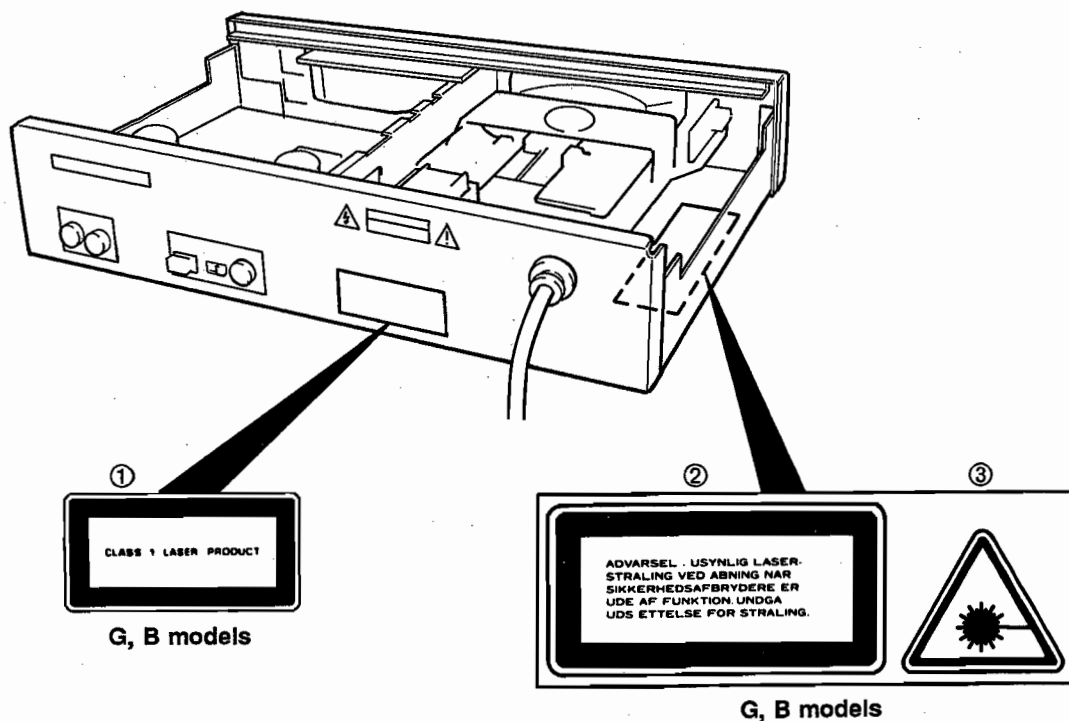
• POLARIZATION (U, C models)

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 YTTERLIGARE 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

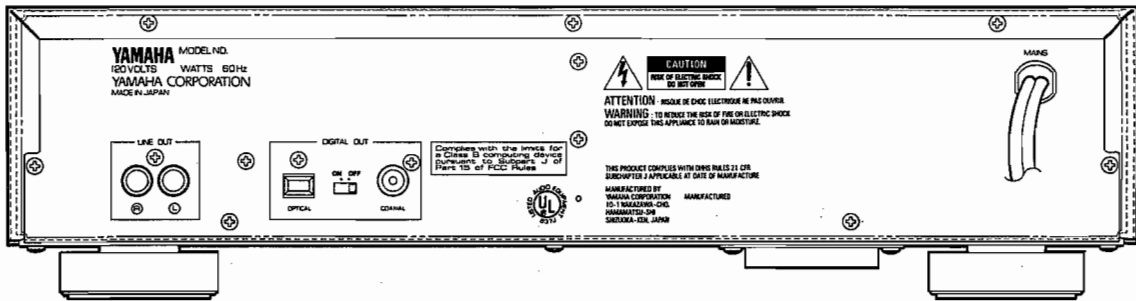
- ① DETTE MÆRKAT ER ANBRAGT SOM VIST I ILLUSTRATIONEN FOR AT ADVARE BRUGEREN OM AT APPARATET INDEHOLDER EN LASERKOMPONENT.
- ② DETTE MÆRKAT OM LASEREN ER ANBRAGT PÅ APPARATET SOM EN OPLYSNING OM AT APPARATET INDEHOLDER ET LASERKOMPONENT.
- ③ ADVARSELSKILTET OM STRÅLING ER PLACERET INDEN I APPARATET,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

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

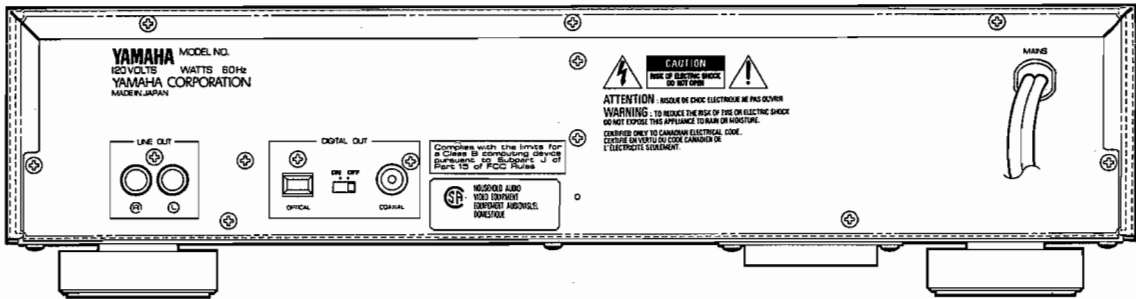
Finnish

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

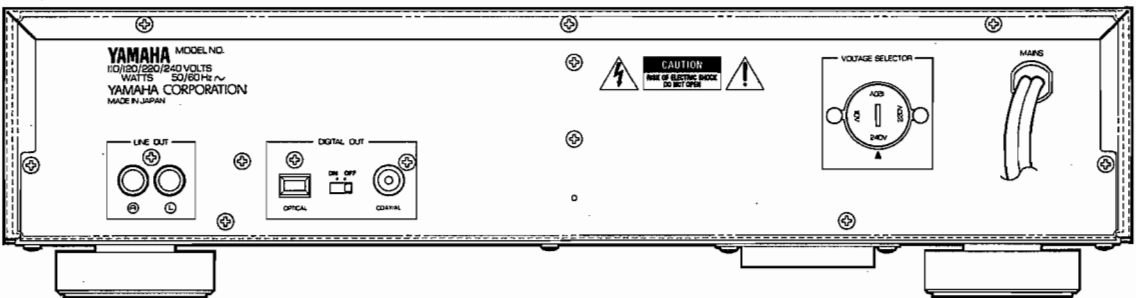
▼ U model



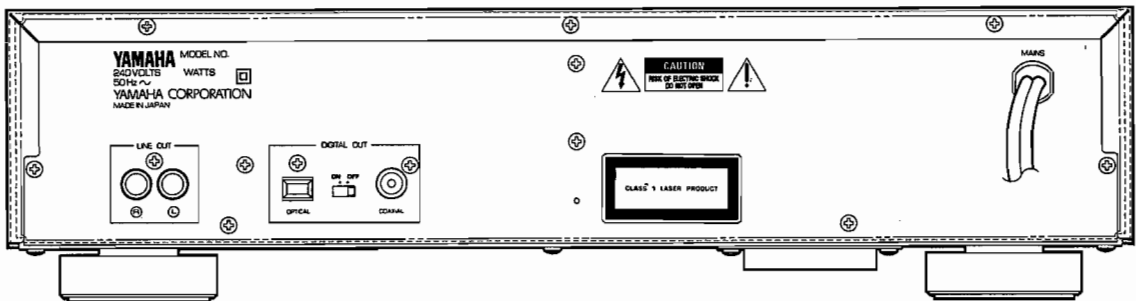
▼ **C model**



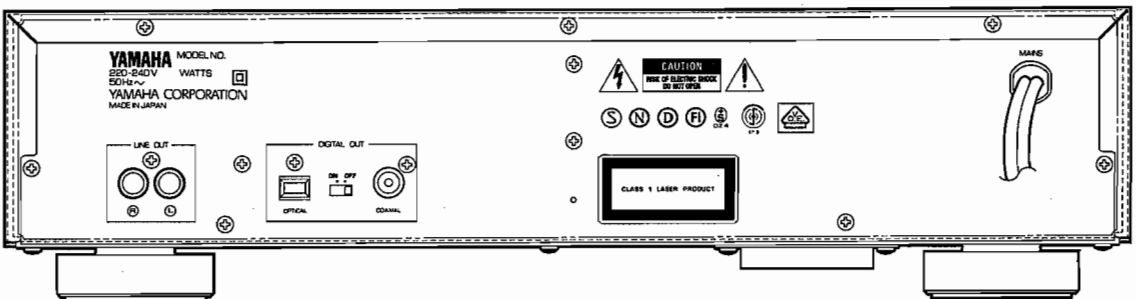
▼ R model



▼ 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.

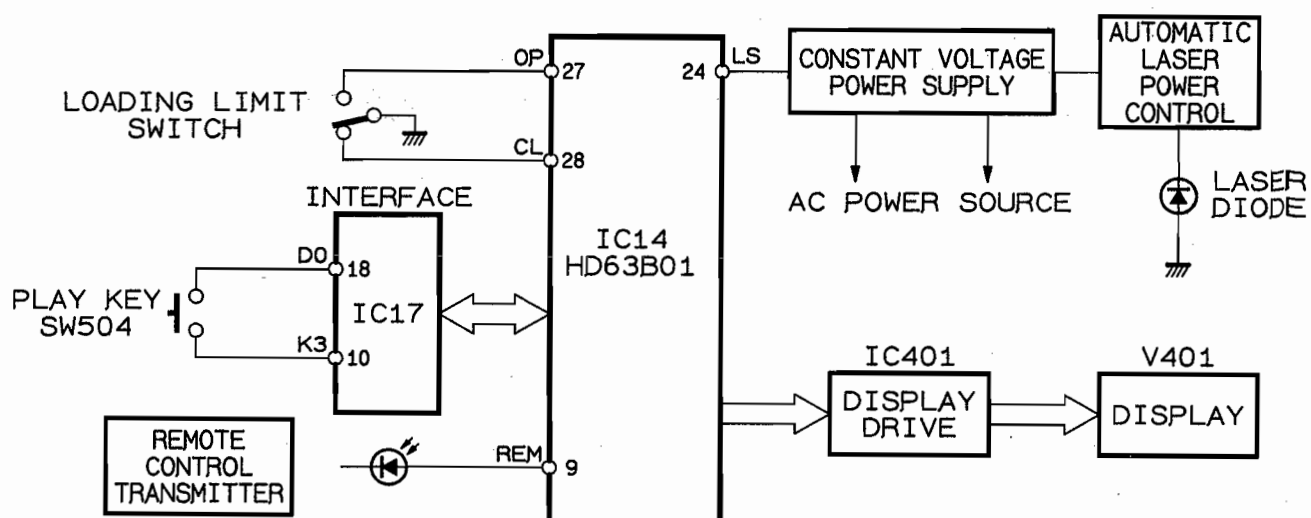
Laser output is controlled by the injection or cutoff of the constant voltage source to the laser diode at Pin 24 (LS) of IC14 (HD63B01), and also by Automatic Laser Power Control Circuit. When Pin 24 is in "H" (High) level, the laser emits the beam. When Pin 24 is in "L" (Low) level, the laser does 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 ± 0.5 dB
De-Emphasis Equalization	± 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 Ω
Headphone Output (-20dB)	180mV/150 Ω

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 Digital Filter

GENERAL

Power Requirements	
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
Power Consumption	
CDX-1030	30W
CDX-930	25W
Dimensions (W x H x D)	
CDX-1030	435 x 113.5 x 342 mm (17-1/8" x 4-7/16" x 13-7/16")
CDX-930	435 x 111 x 342 mm (17-1/8" x 4-3/8" x 13-7/16")
Weight	
CDX-1030	10.5kg (23 lbs 2 oz)
CDX-930	5.7kg (12 lbs 9 oz)

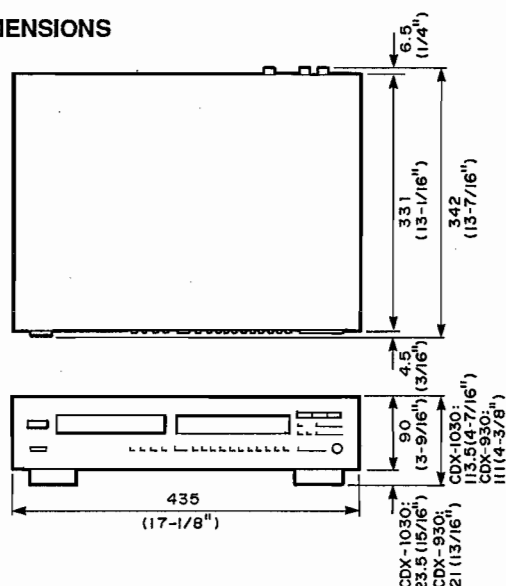
Accessories

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

**Specifications are subject to change without notice.*

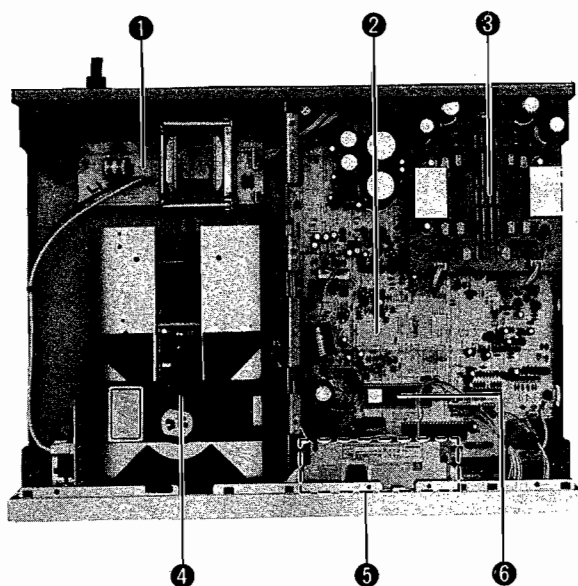
U U. S. A. model
C Canadian model
B British model
A Australian model
G European model
R General model
P PX model

DIMENSIONS



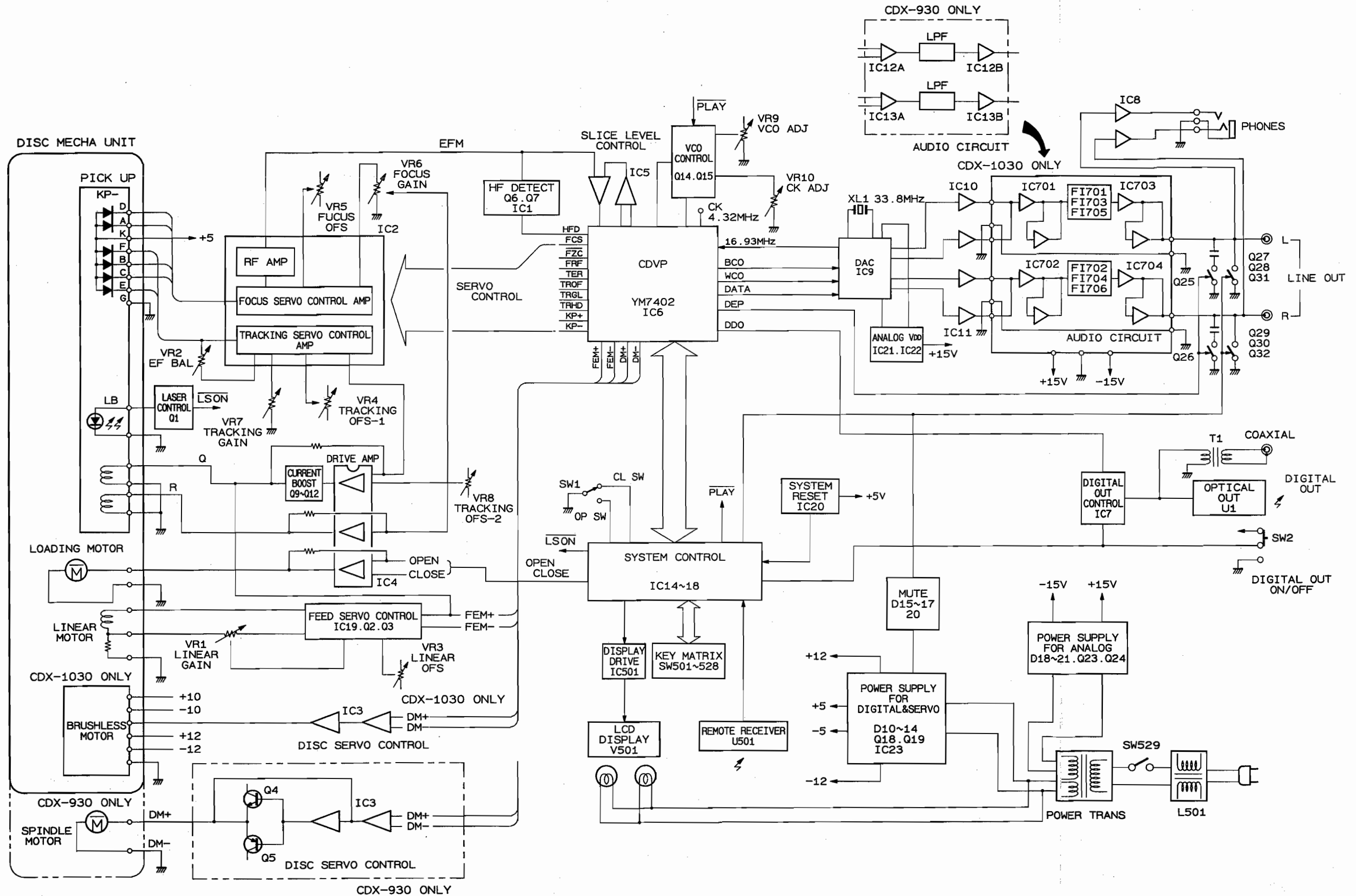
Unit : mm (inch)

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 μ -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.

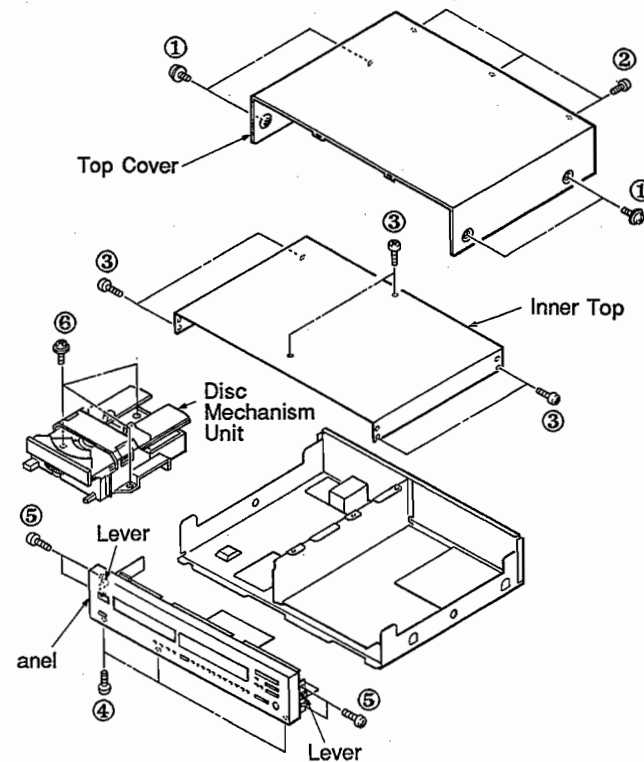
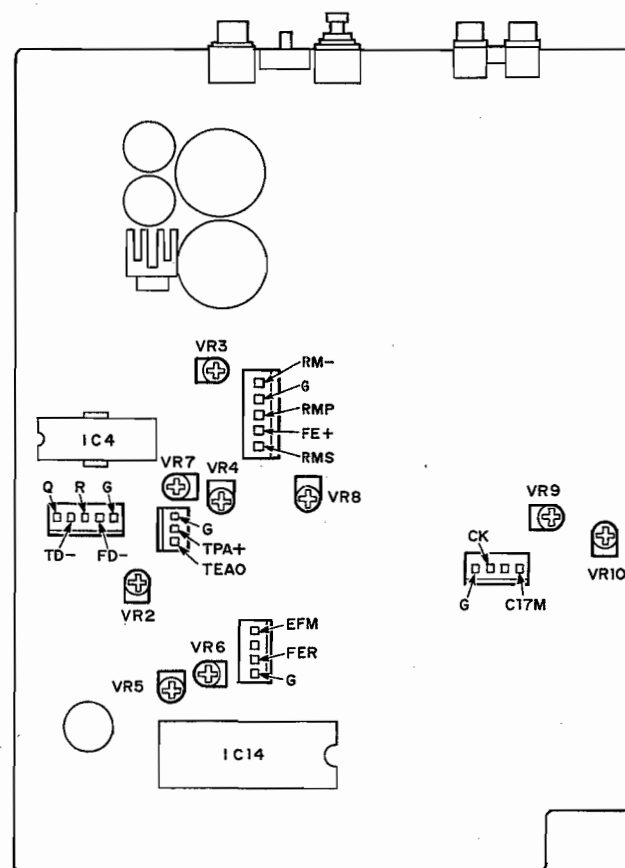


Fig. 1

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

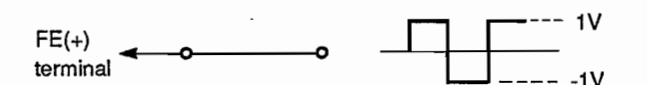
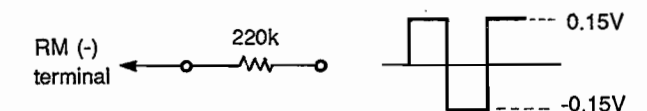
- Do not load the disc.
- Set to the TEST mode.
- Press the ten key "2".
- Measure the voltage at C17M terminal and adjust VR10 so that the specified voltage is obtained.
 $VC17M = 2.5V \pm 50mV$ (DC)

2 VCO free-run adjustment

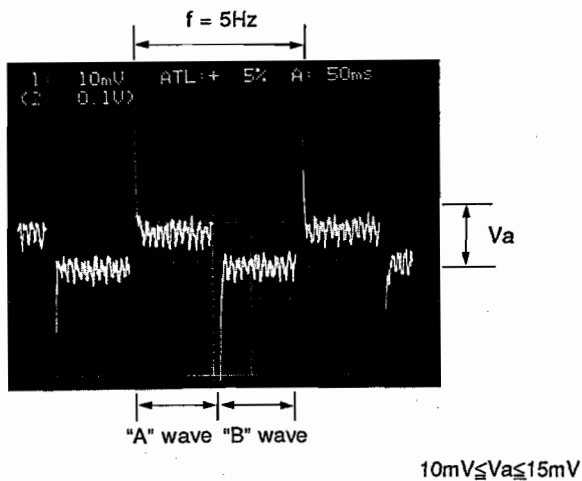
- Do not load the disc.
- Set to the TEST mode.
- Press the ten key "2".
- Connect a frequency counter to the CK terminal.
* Be sure to use a probe (10:1 type for oscilloscope) for frequency counter input.
- Adjust VR9 so that the specified frequency is obtained.
 $FCK = 4.3218MHz \pm 0.02MHz$

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)
 $VFE = 0V \pm 50mV$ (DC)
- Apply a 5Hz, $\pm 0.15V$ square wave to the RM negative(-) terminal through a 220k Ω resistance so that $\pm 1V$ voltage is obtained at the FE positive(+) terminal.

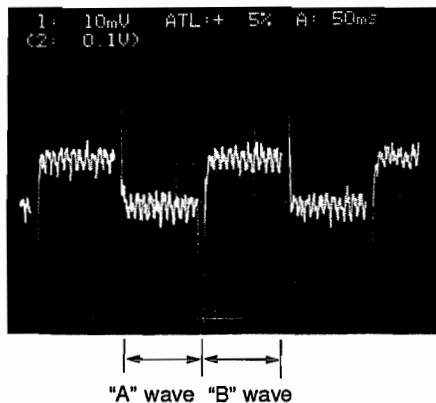


- ⑦ Adjust VR4 so that derivative waveforms as shown below are obtained at the RMS terminal. (Linear motor gain adjustment)



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

NG

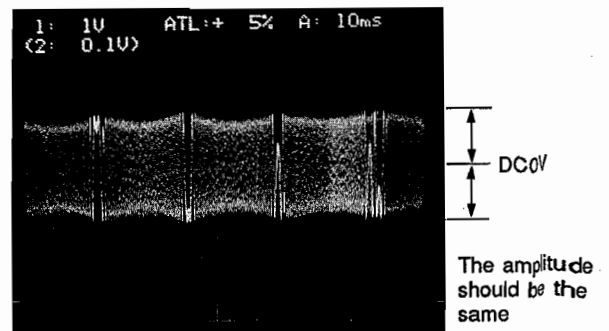


- ⑧ Disconnect the short cord between the RMP terminal and GND.
- ⑨ Measure the voltage at the FE (+) terminal and adjust VR3 so that the specified voltage is obtained. (Linear motor offset adjustment)
VFE = 0V ± 50mV (DC)

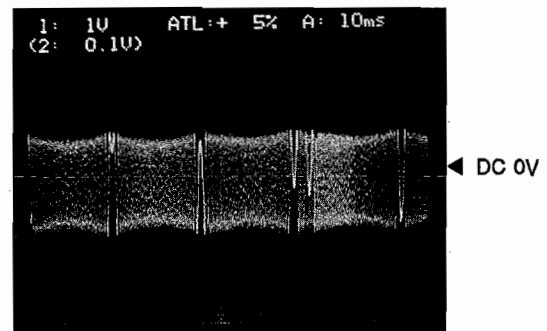
4 EF balance adjustment

- 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 → 0V ± 50mV

OK

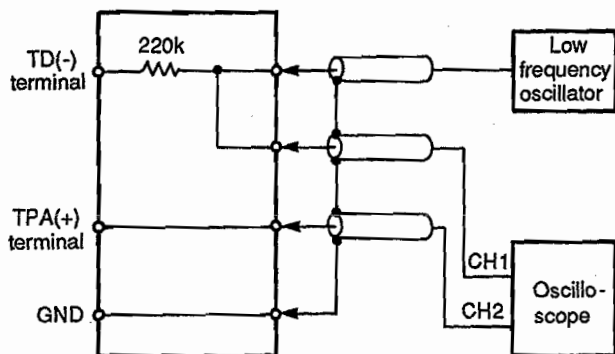


NG



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 220kΩ resistance.
- ⑥ Adjust VR7 so that the phase difference between the TD(-) terminal and TPA(+) terminal is 90°.

OK



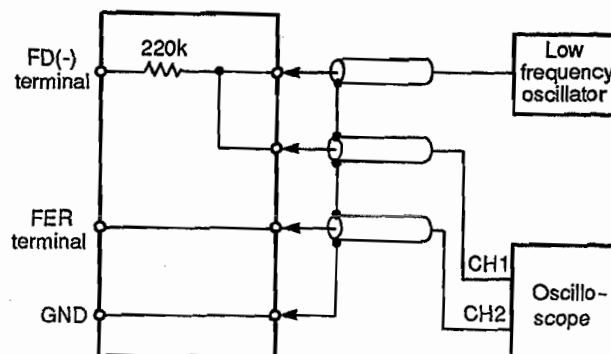
90°

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 220kΩ 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±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±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±20mV

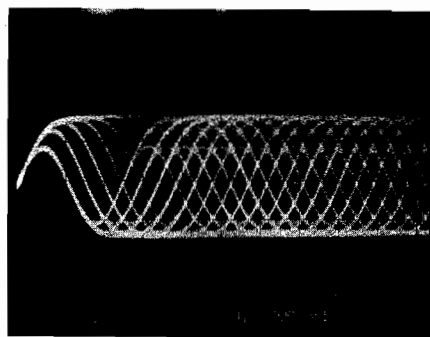
10 Linear motor offset adjustment

- 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±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

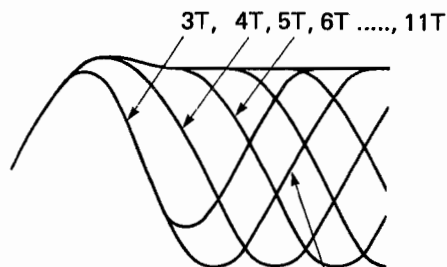


Oscilloscope setting conditions

- 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.



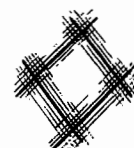
This portion is referred to as the eye pattern.

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.

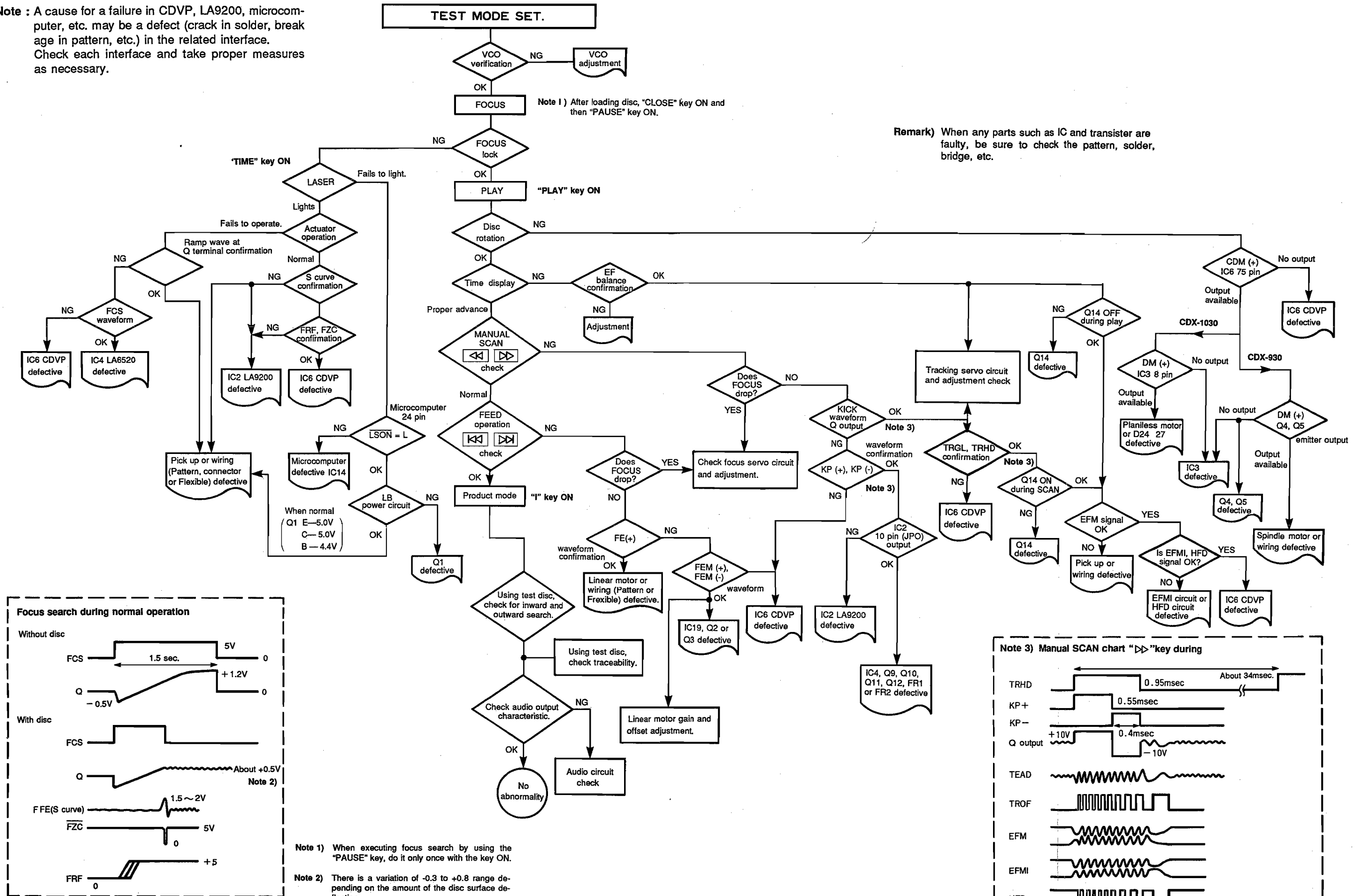
Take fingers off both ten keys, and all the display segments light for about 2 seconds and the operation mode is set to the TEST mode.

● Contents of TEST mode key

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



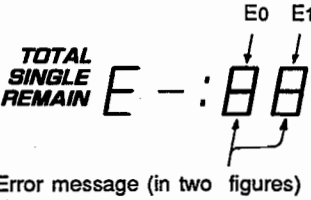
■ ERROR MESSAGE

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.

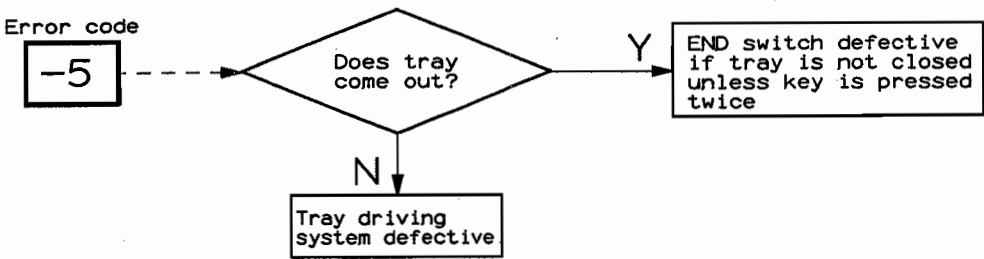


E0 (STATE)	E1 (Phenomenon)	Meaning	Remarks
X	0	No data reading was executed after search.	
X	1	Data reading failed in the mid of each state.	For 5 seconds
7	3	No data reading was executed though the disc was turned with focus applied at start.	PLL lock failure
—	5	Tray open NG.	
9	5	Tray close NG.	
X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

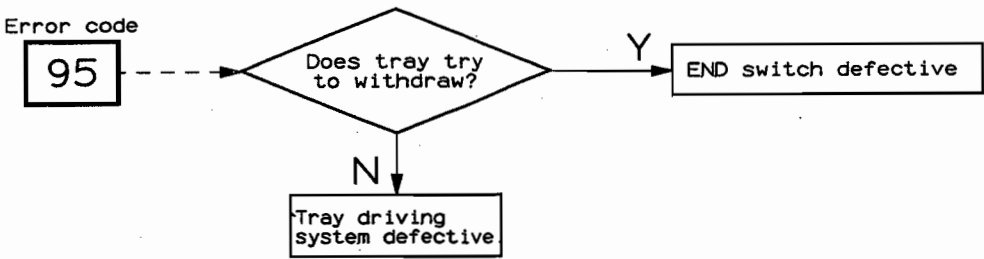
* Note : X represents each state : PLAY when X=0, MANUAL SEARCH when X=3 and PAUSE when X=4.

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

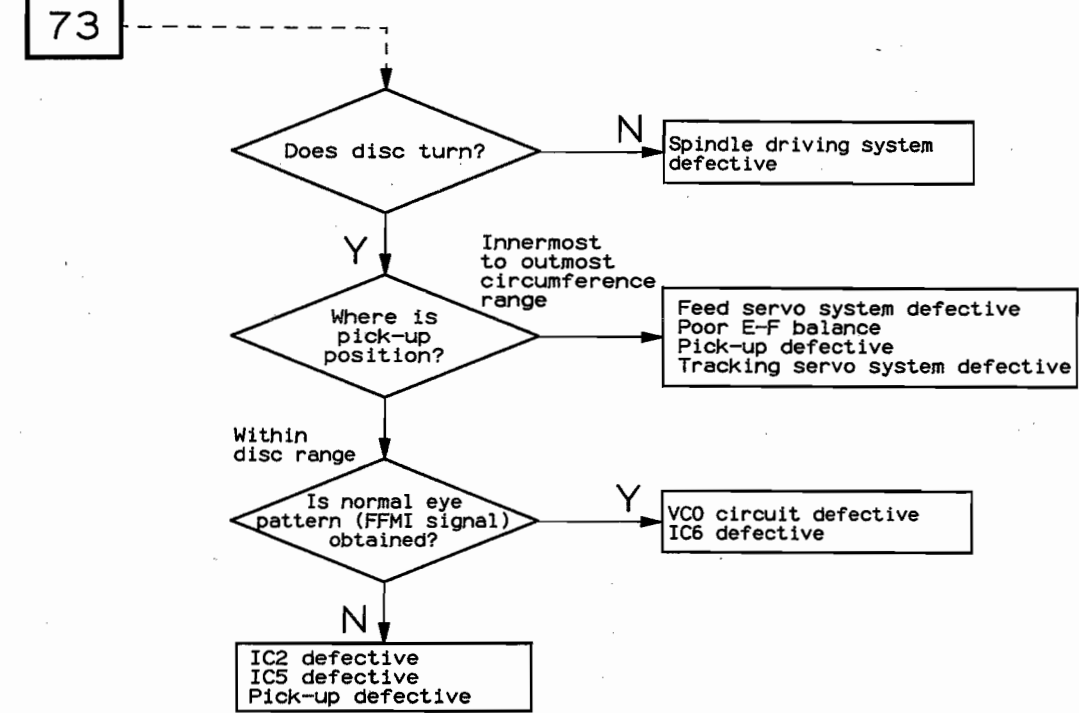
- Tray does not come out even when the power is turned ON and the OPEN/CLOSE key is pressed.



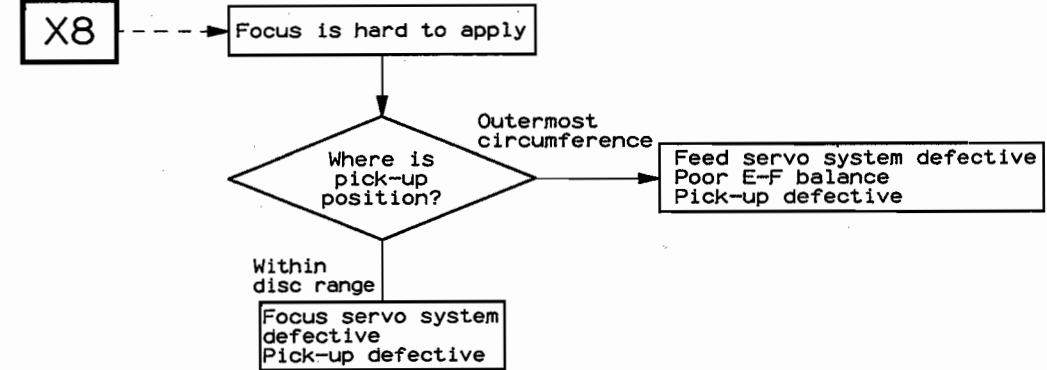
- Tray does not close or even when closed, it opens again after some time.



Error code



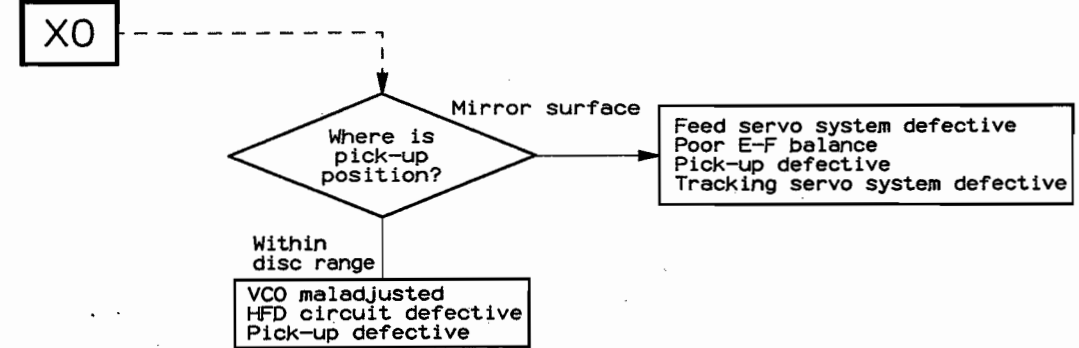
Error code



Error code

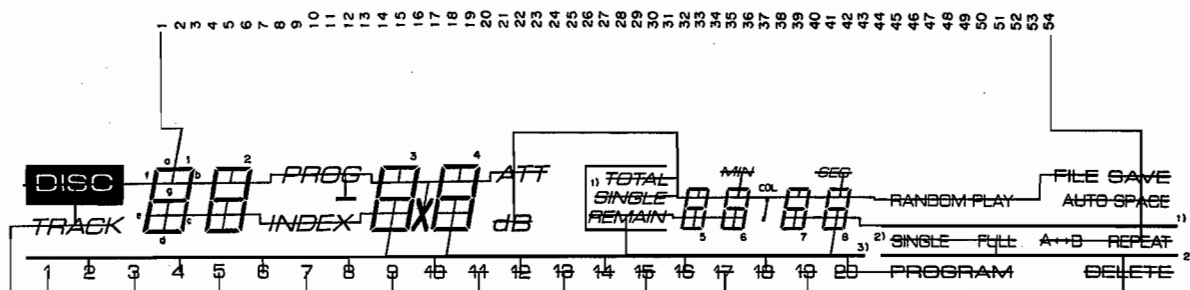
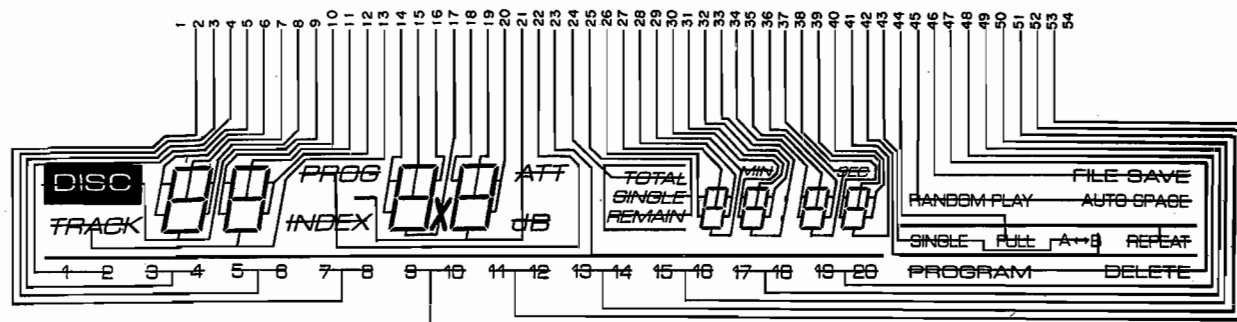


Error code



■ DISPLAY DATA

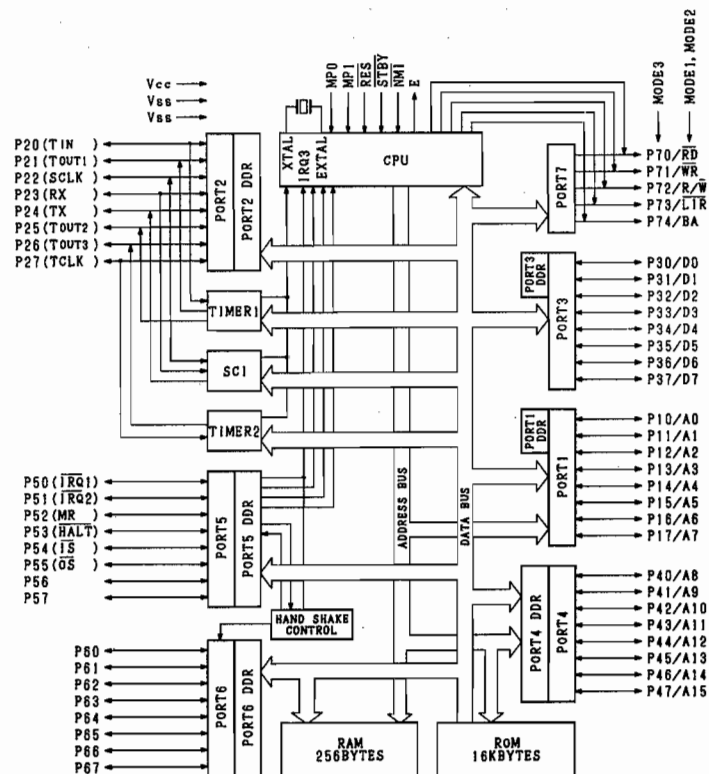
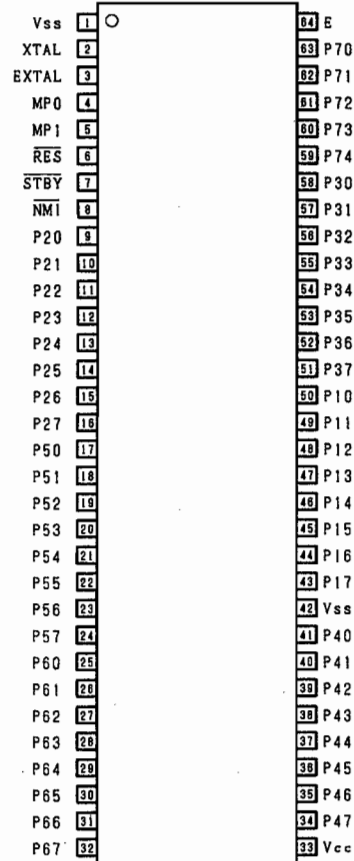
V501 : LCD8107B1JP



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				

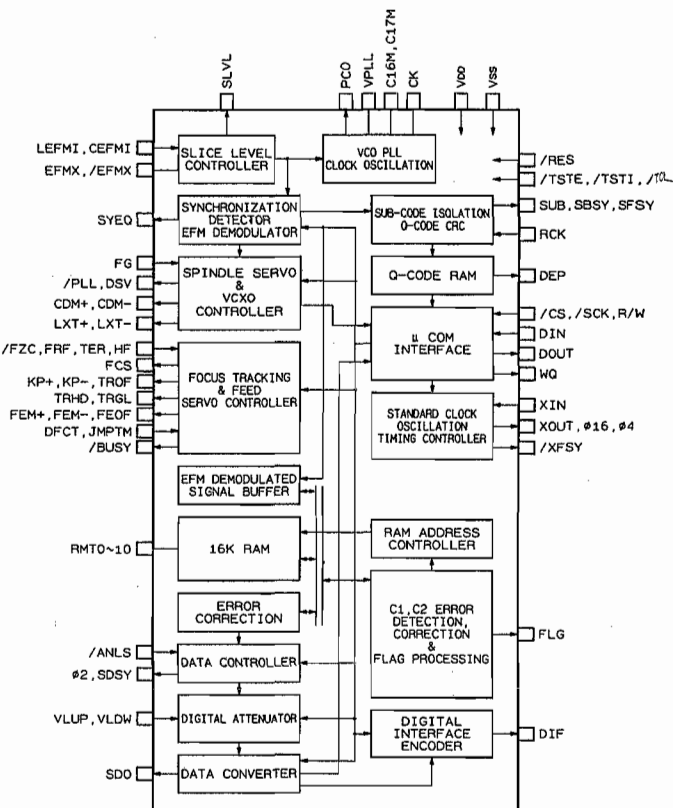
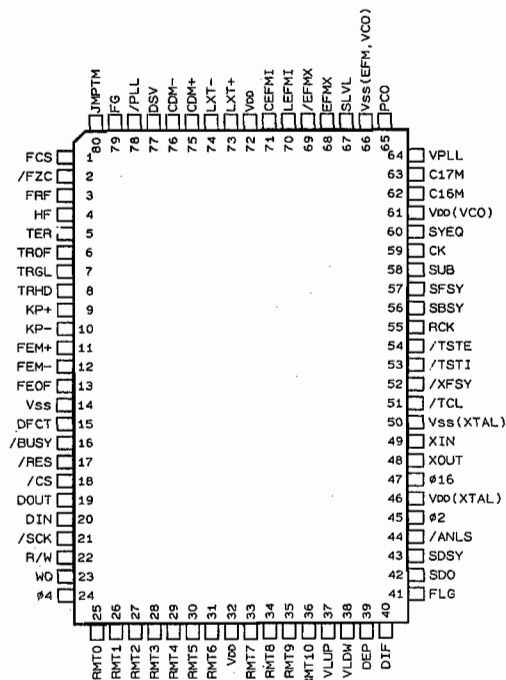
IC DATA

IC14 : HD63B01
8bit μ -COM



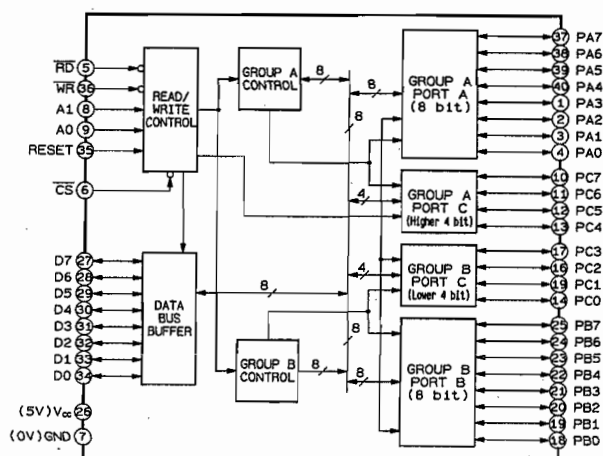
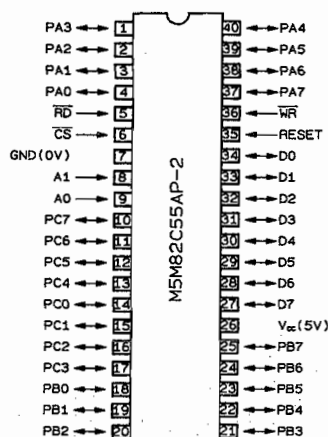
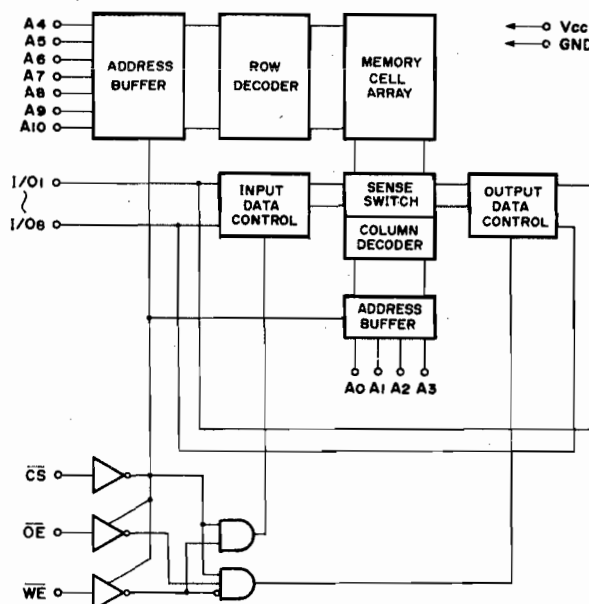
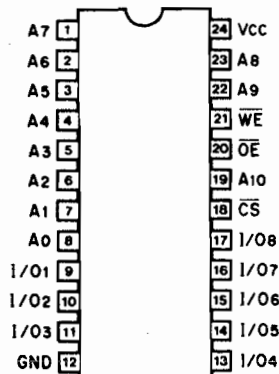
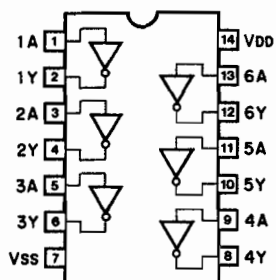
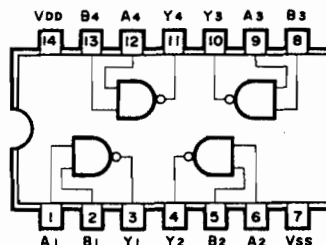
Pin No.	Pin Name	Function
1	Vss	GND
3	EXTAL	External clock input
4	MP0	} MP0 "L", MP1 "H" For setting built-in ROM used mode
5	MP1	
6	RESET	Operation starts at  and stops at  .
9	REM	Input from remote control beam reception unit
10	R/W	From μ -COM to YM7402 at "H" From YM7402 to μ -COM at "L"
11	SCK	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

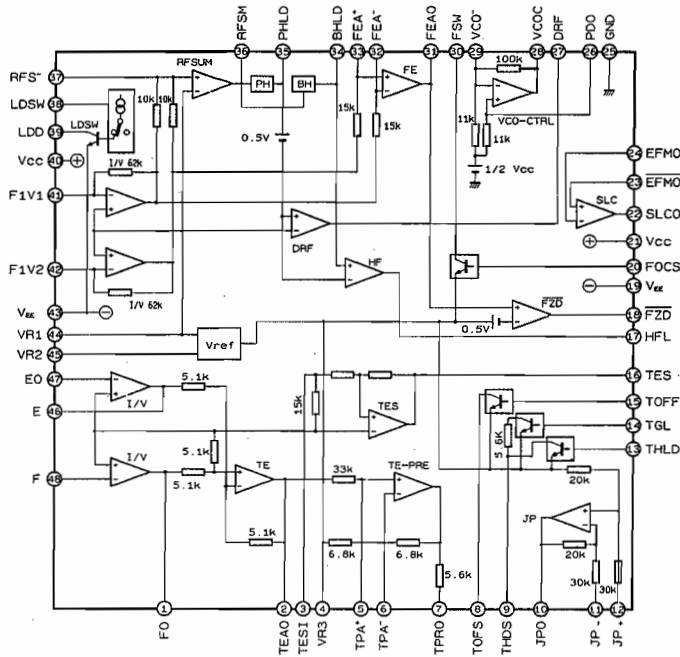
Signal Processor & Controller for
Compact Disc Player

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)

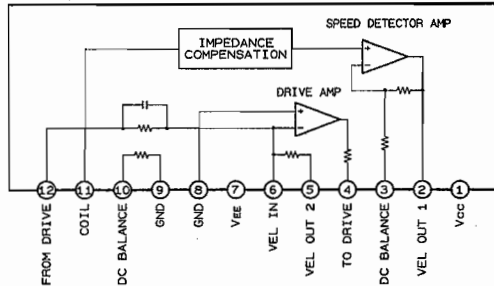
Pin No.	Pin Name	I / O	Function
25	RMT0		} For testing internal RAM
26	RMT1		
27	RMT2		
28	RMT3		
29	RMT4		
30	RMT5		
31	RMT6		
32	VDD		+5V
33	RMT7		} For testing internal RAM
34	RMT8		
35	RMT9		
36	RMT10		
37	VL UP	I	Volume up input
38	VL DW	I	Volume down input
39	DEP	O	Deemphasis control signal output
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 : μ PD74HCU04C, TC74HCU04P or BU74HCU04
Hex Inverters

IC7, 16 : TC74HC00P, μ PD74HC00C, M74HC00P, MN74HC00 or BU74HC00
Quad 2-Input NAND Gate


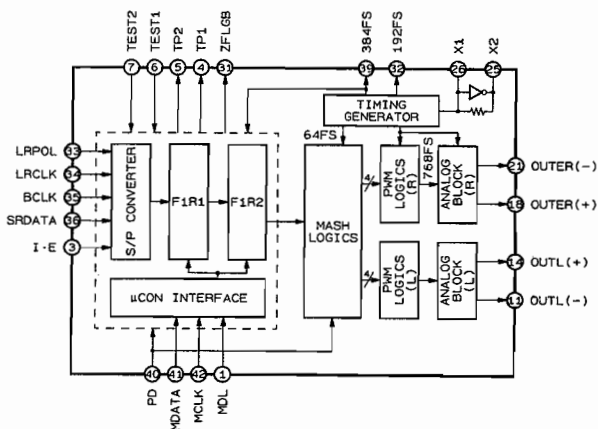
IC2 : LA9200NM
RF Amp & Servo Controller



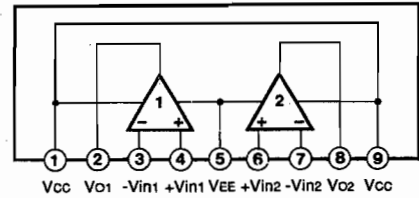
IC19 : S2FR04
Hybrid IC



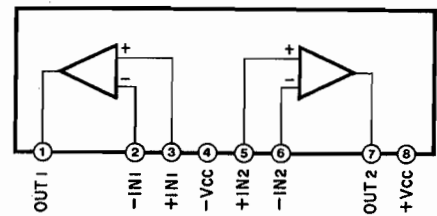
IC9 : MN6471
18bit D/A Converter with Digital Filter



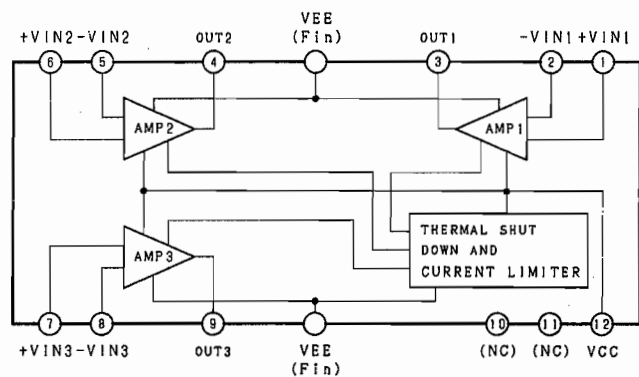
IC1, 3 : NJM4558S
IC5 : NJM2043S
IC10, 11, 701~704 : NJM5532S
Dual Ope-amp



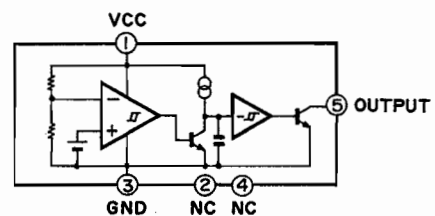
IC8 : BA15218N or M5218L
Dual Ope-amp



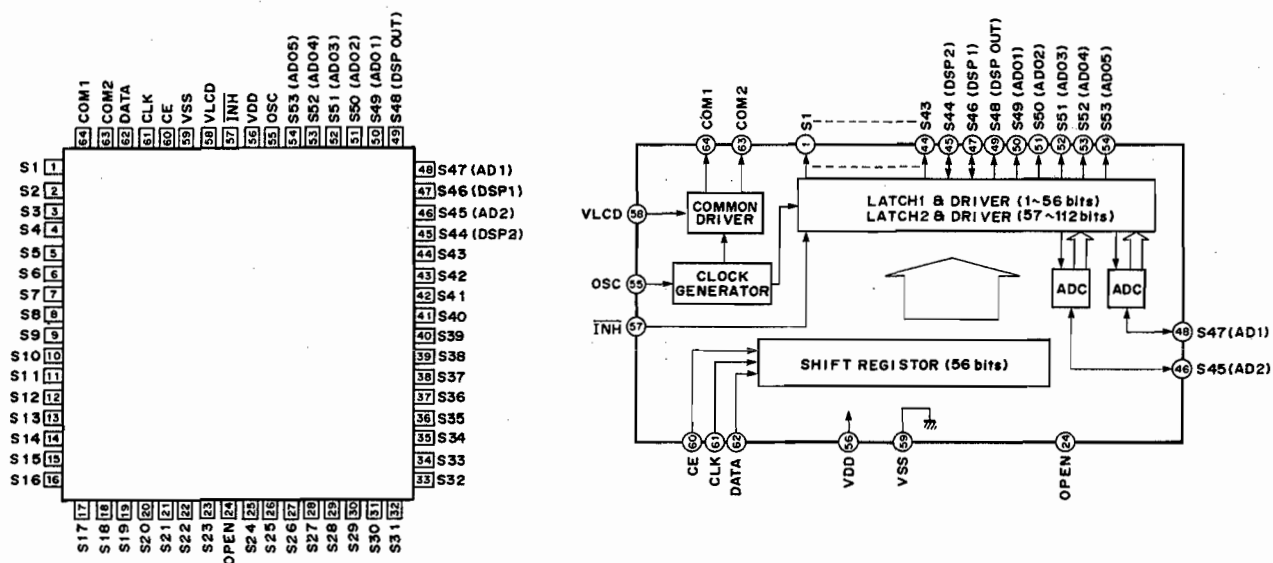
IC4 : LA6520
3-Channel Power Operational Amp



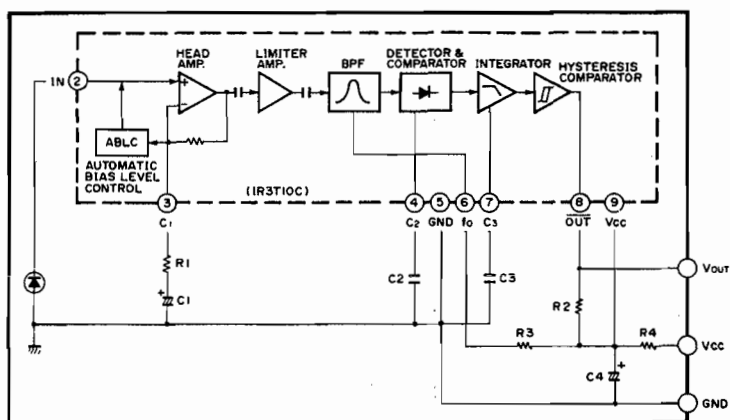
IC20 : M51951BL
System Reset



IC501 : LC7582 LCD Driver



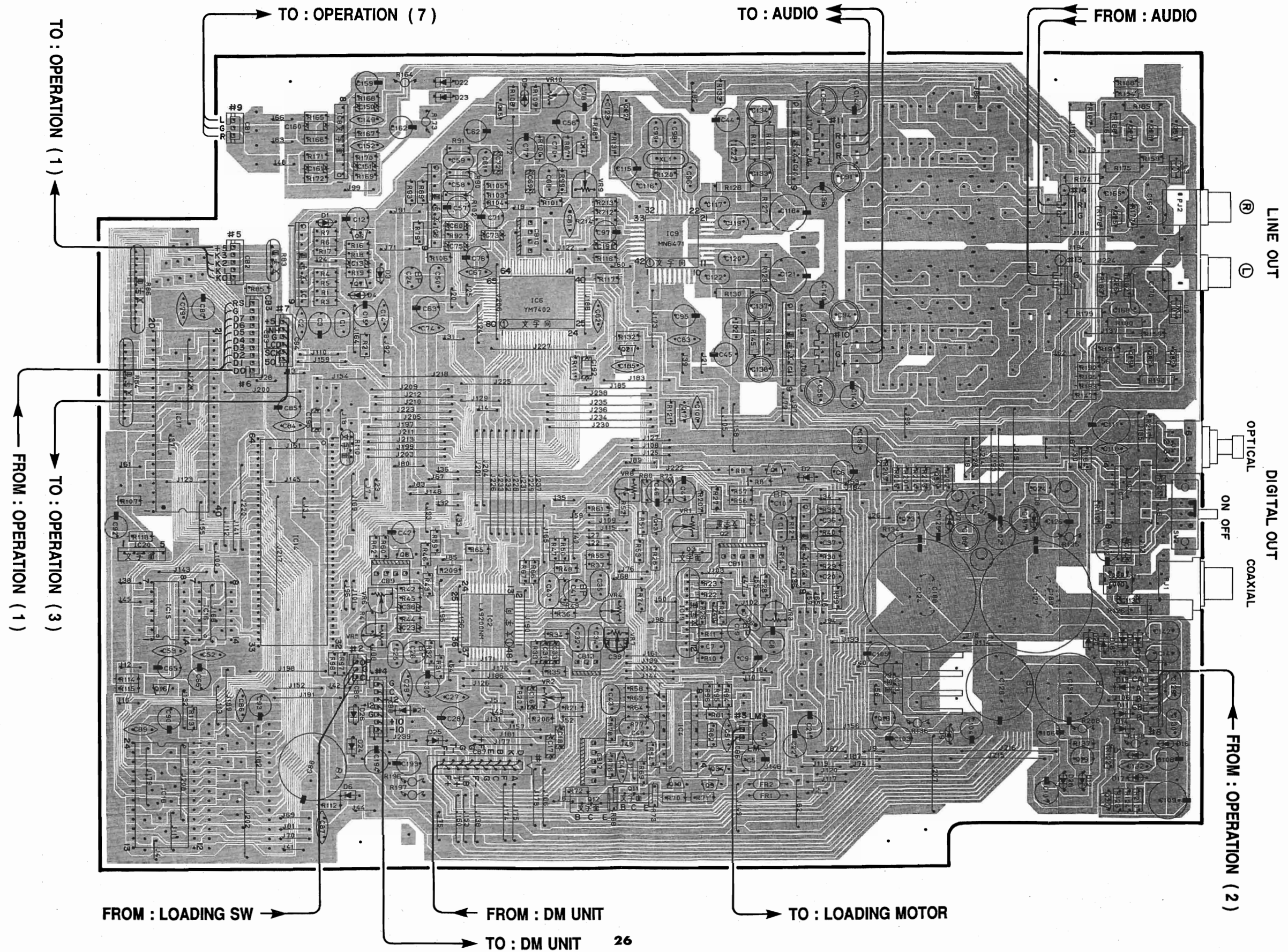
U501 : GP1U501X Remote Control Receiver Unit



■ PRINTED CIRCUIT BOARD (Foil side)

Note) 文字面 : Component side

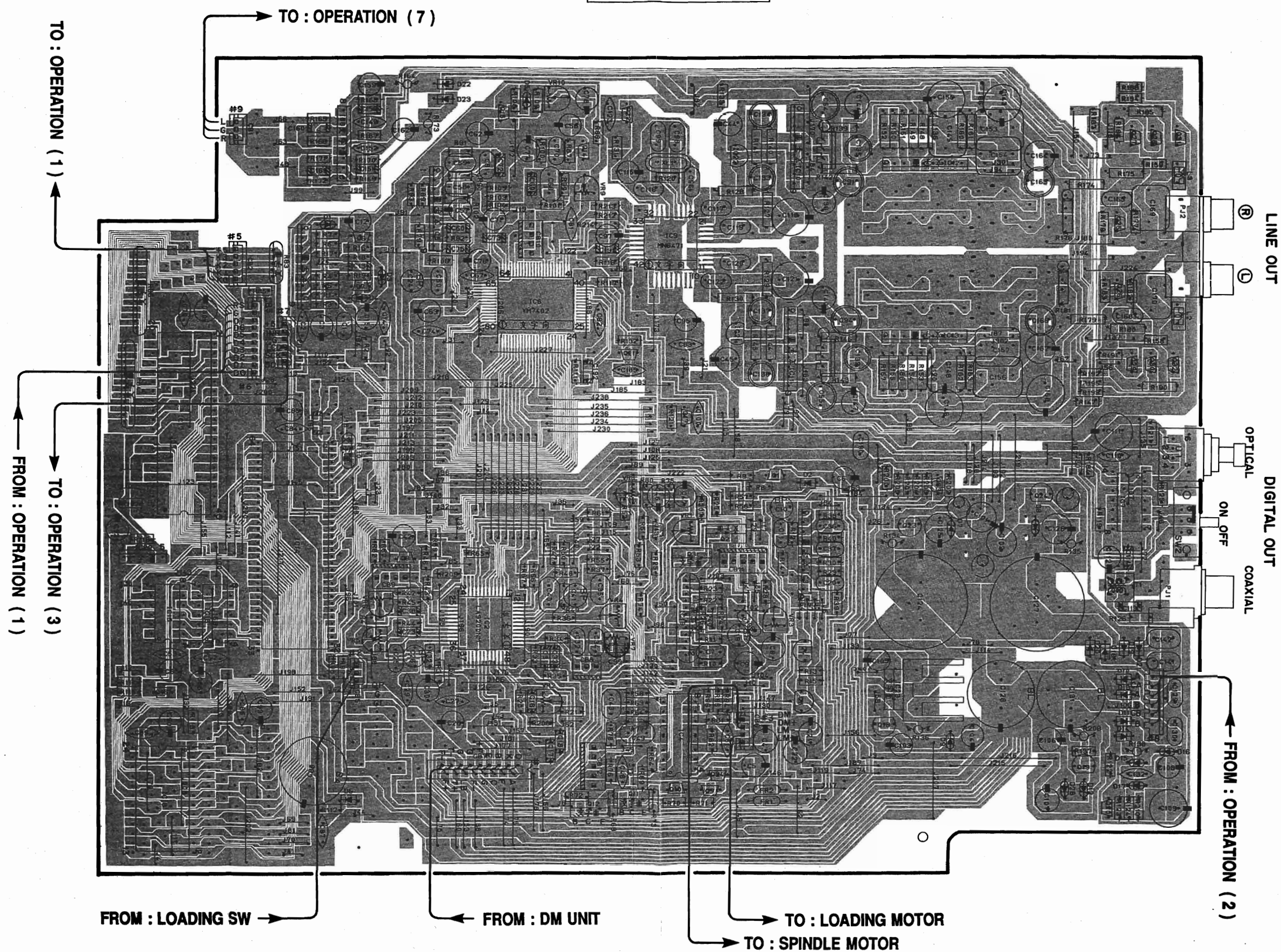
CDX-1030 MAIN C. B (1)



■ PRINTED CIRCUIT BOARD (Foil side)

(Note) 文字面 : Component side

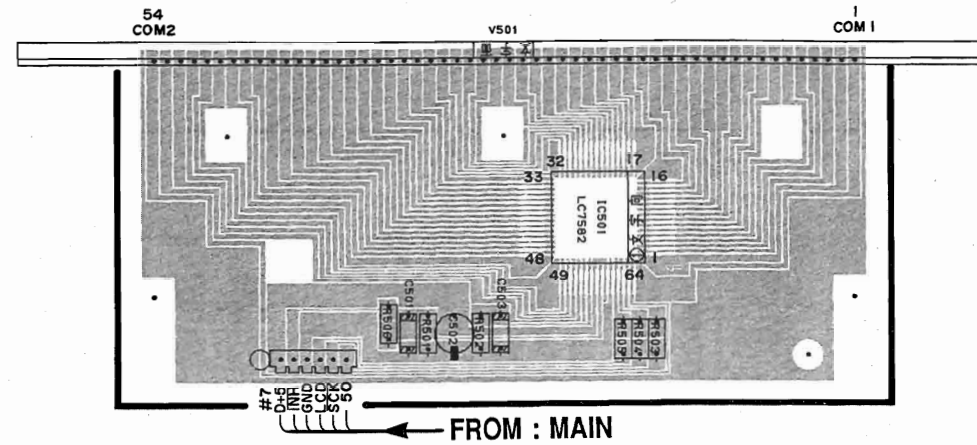
CDX-930 MAIN C. B



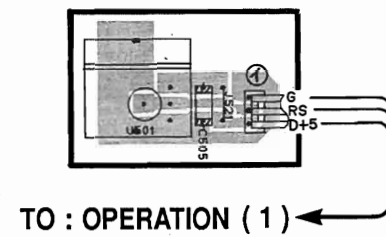
■ PRINTED CIRCUIT BOARD (Foil side)

Note) 文字面 : Component side

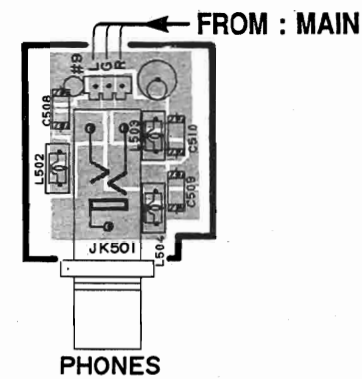
OPERATION C. B (3)



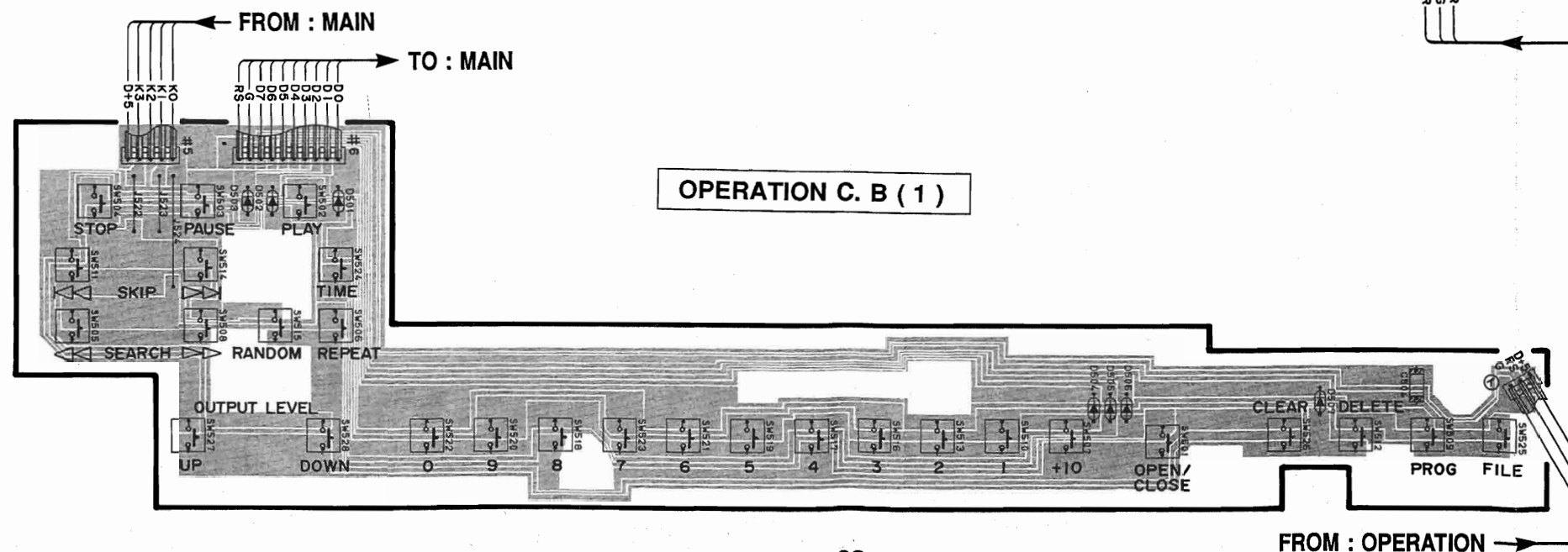
OPERATION C. B (6)



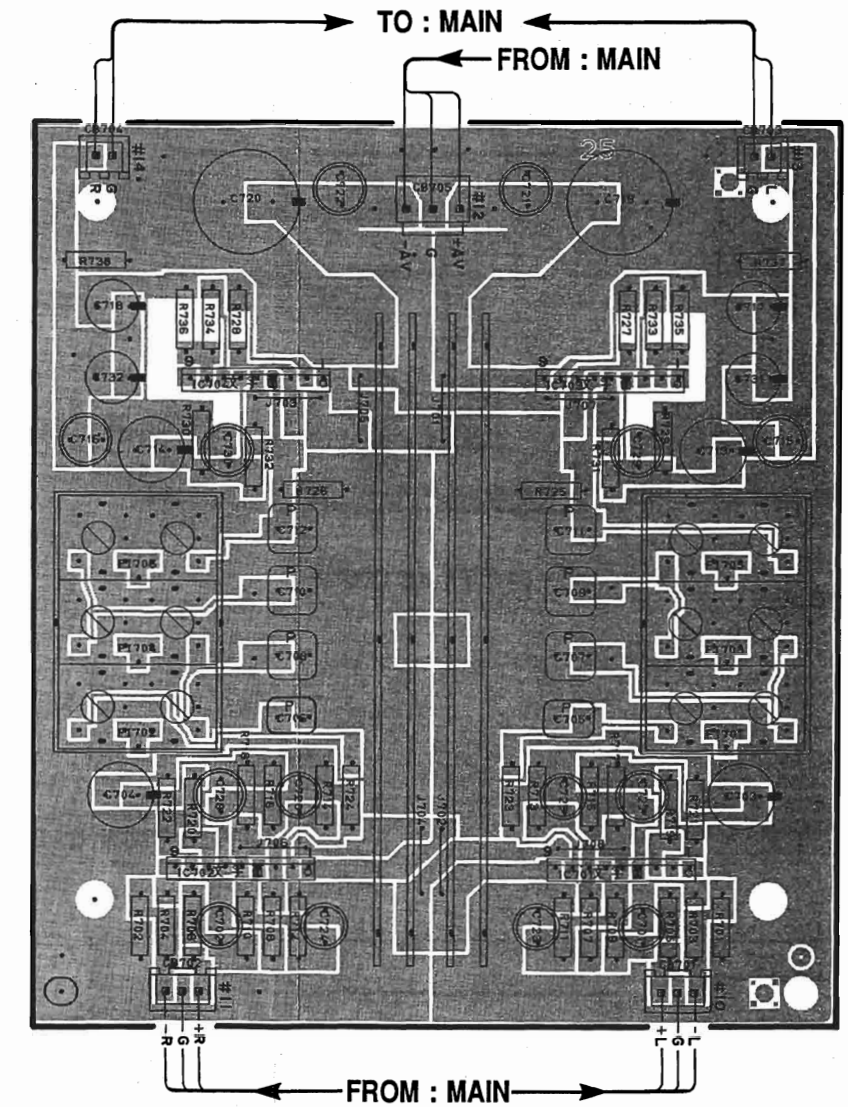
OPERATION C. B (7)



OPERATION C. B (1)



CDX-1030 AUDIO C. B

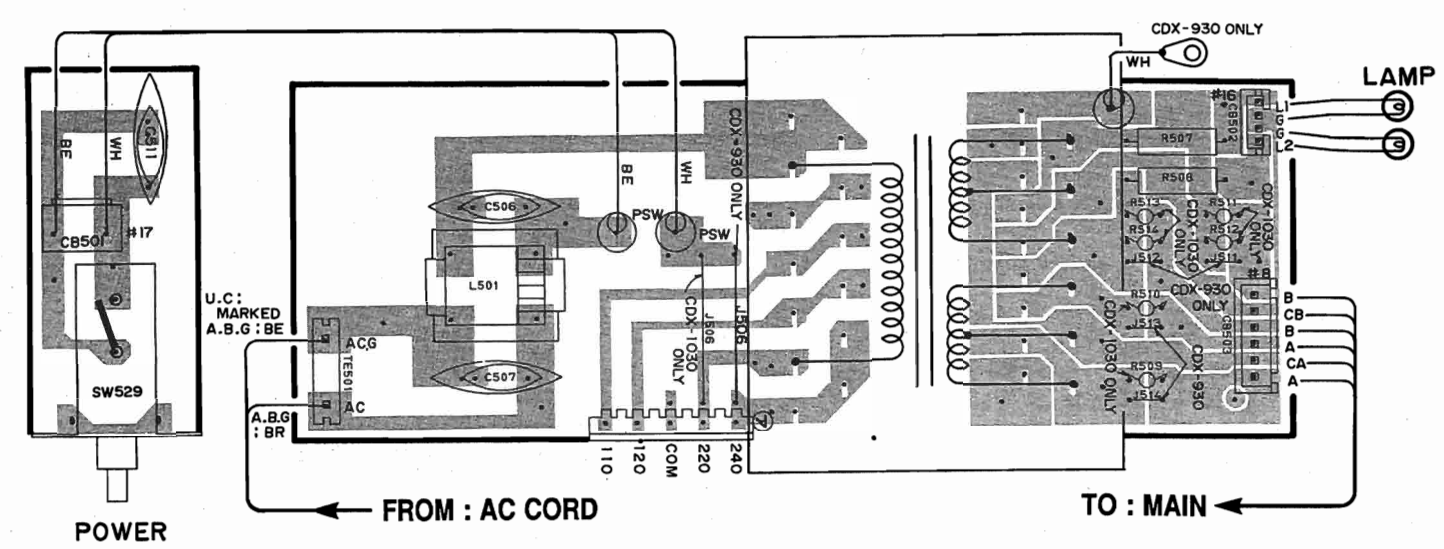


PRINTED CIRCUIT BOARD (Foil side)

Note) 文字面 : Component side

OPERATION C. B (4)

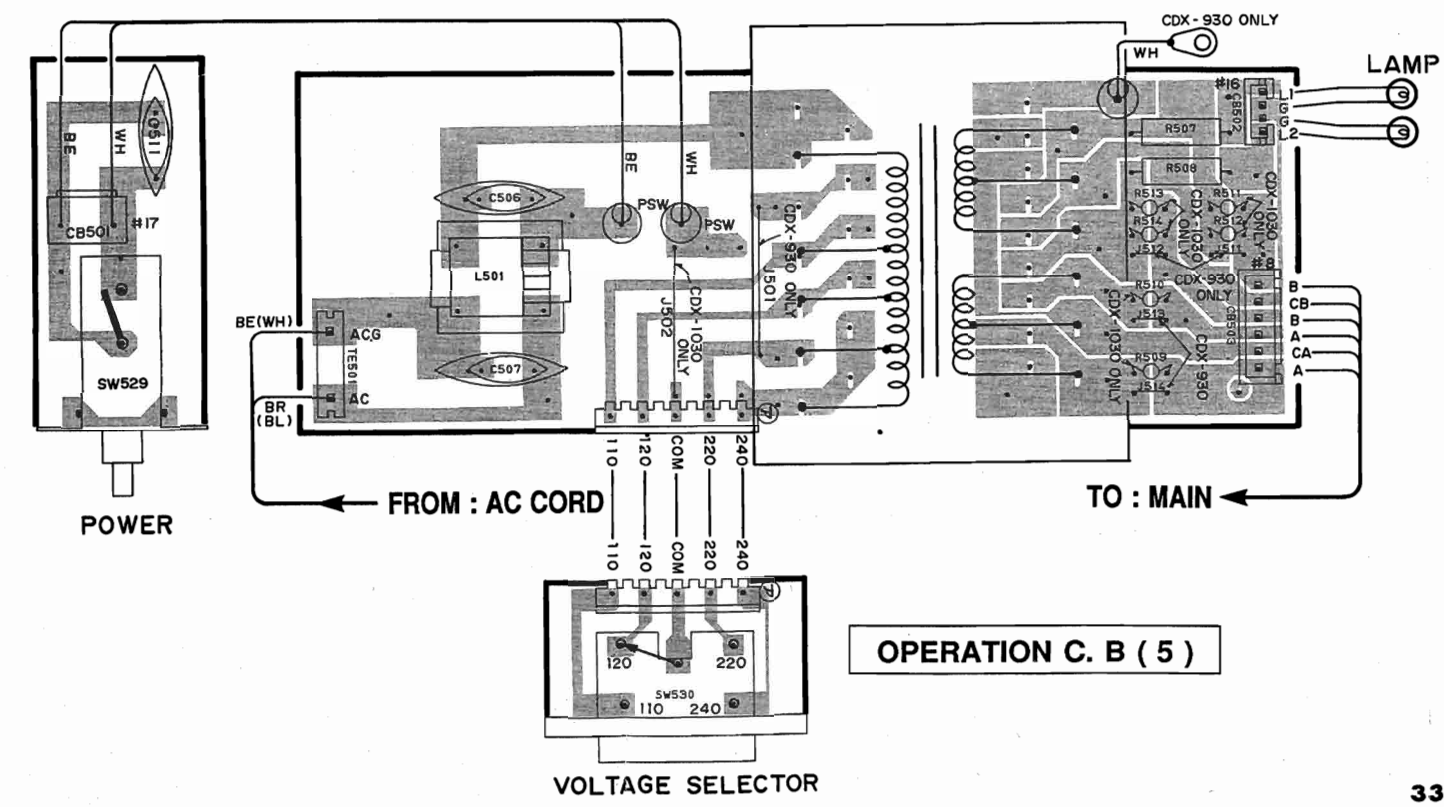
OPERATION C. B (2)



● R model

OPERATION C. B (4)

OPERATION C. B (2)

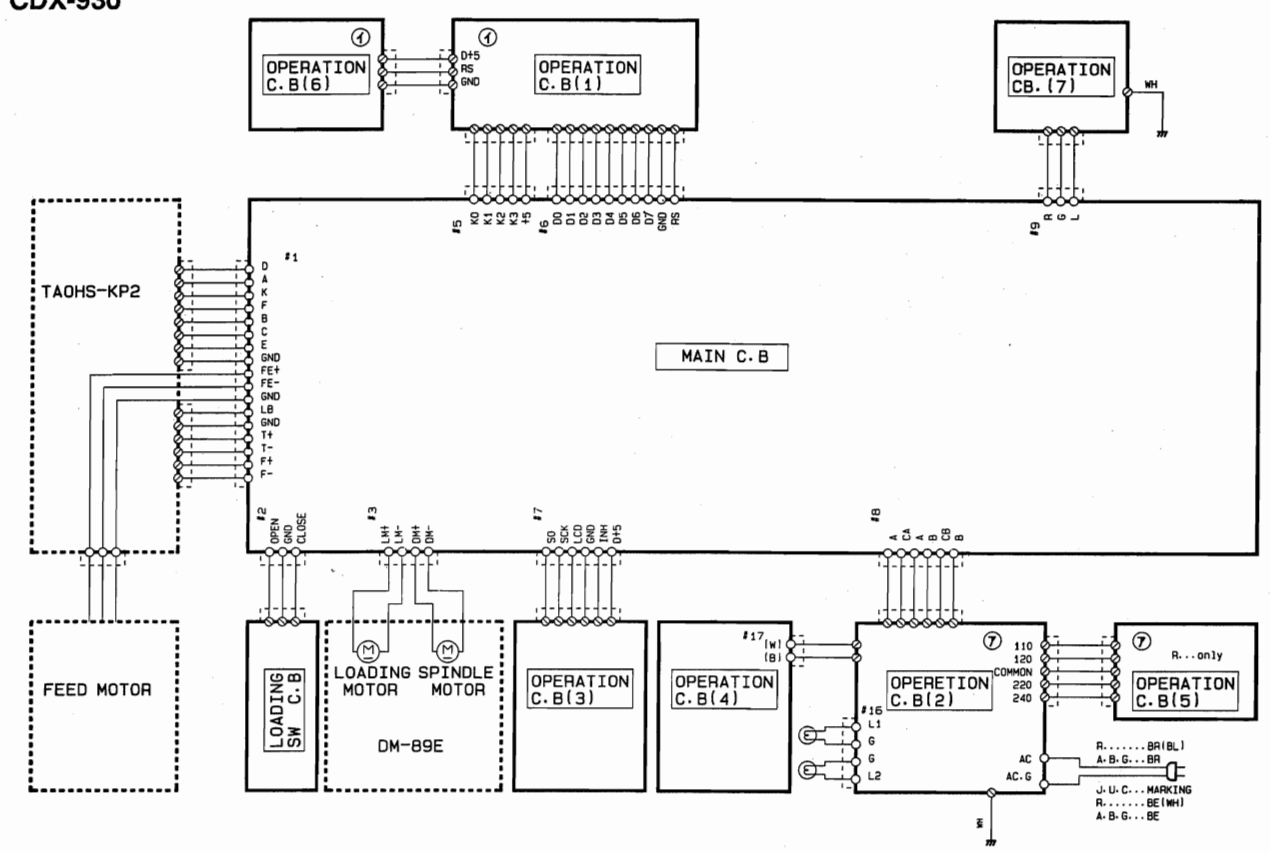


OPERATION C. B (5)

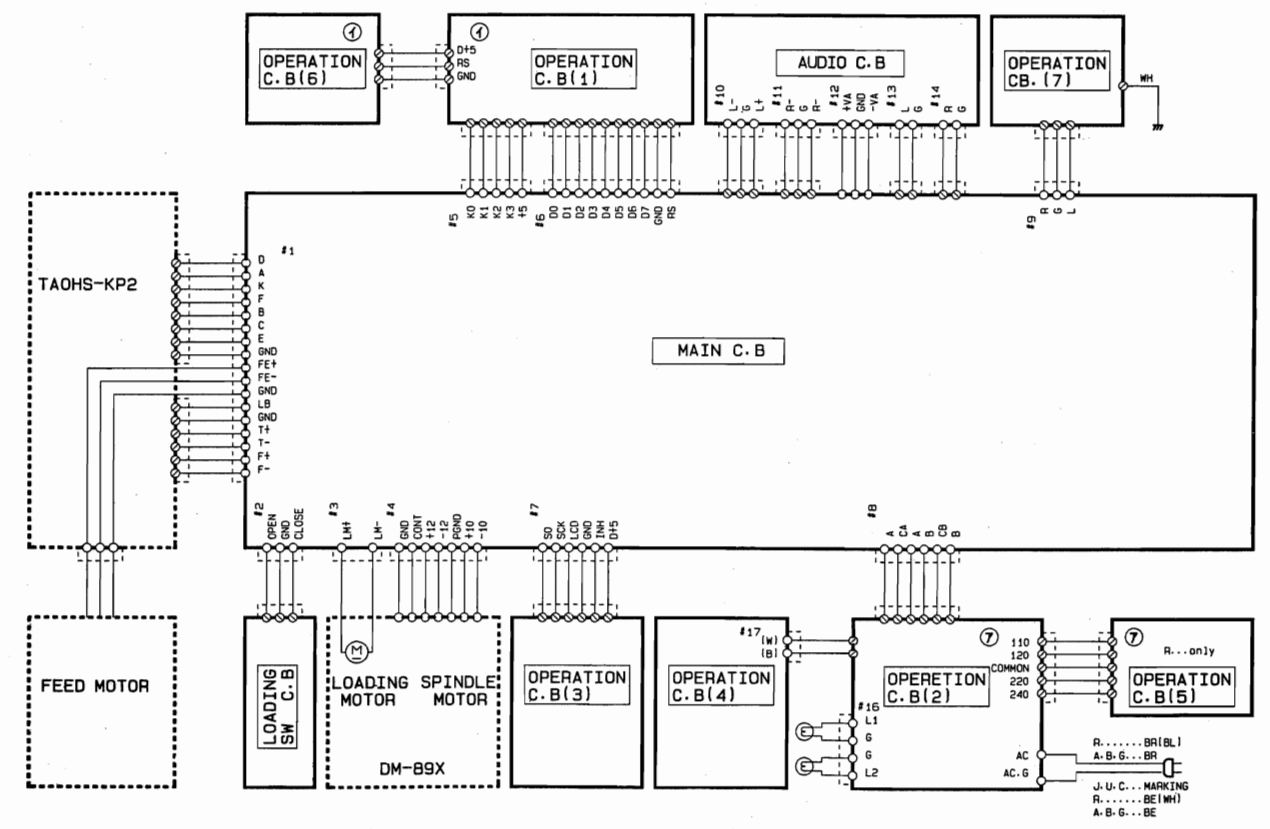
VOLTAGE SELECTOR

INTERCONNECT WIRING DIAGRAM

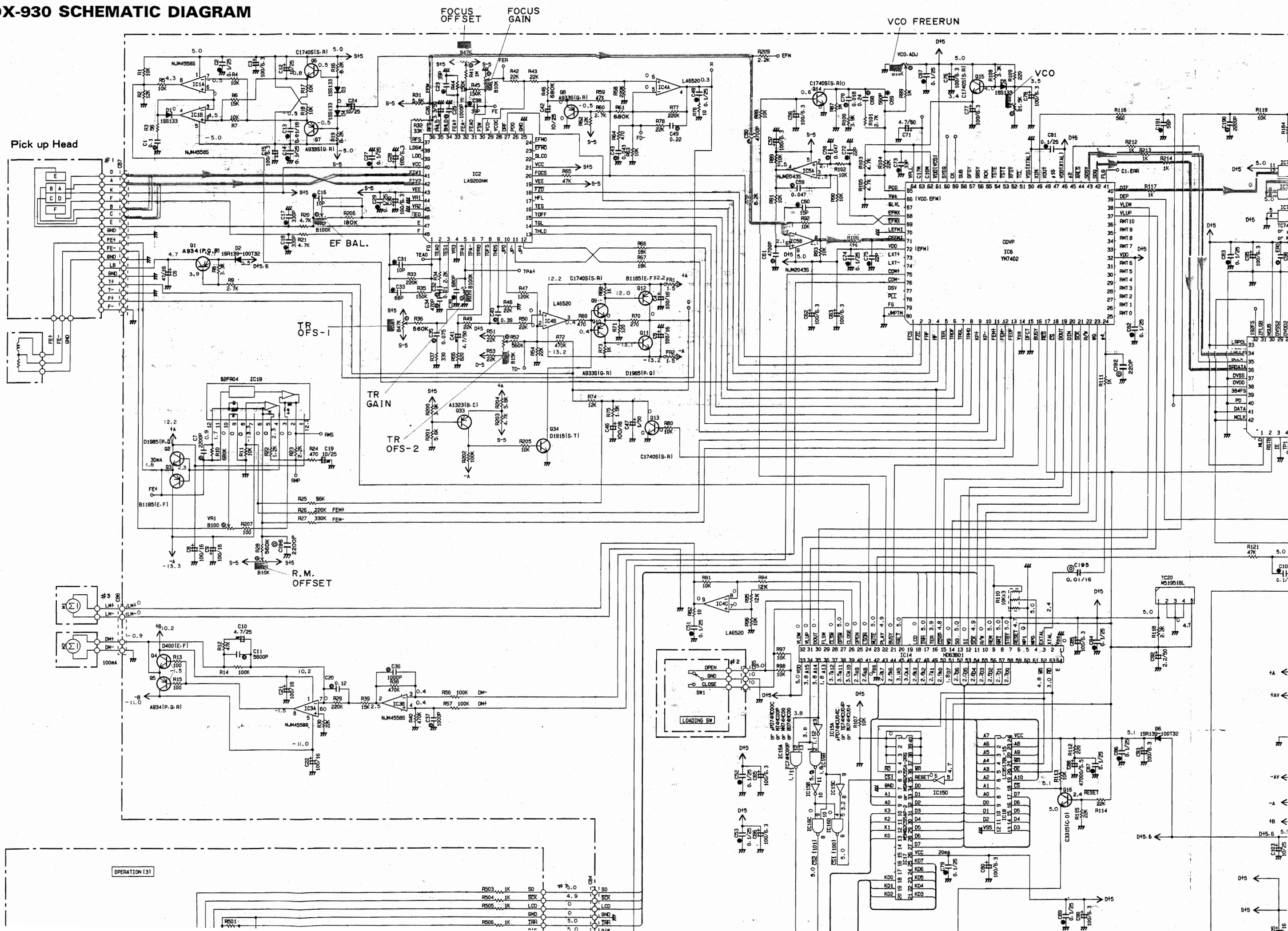
● CDX-930



● CDX-1030



CDX-930 SCHEMATIC DIAGRAM



CDX-930

PIN CONNECTION DIAGRAM OF TRANSISTORS, DIODES AND ICS.

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

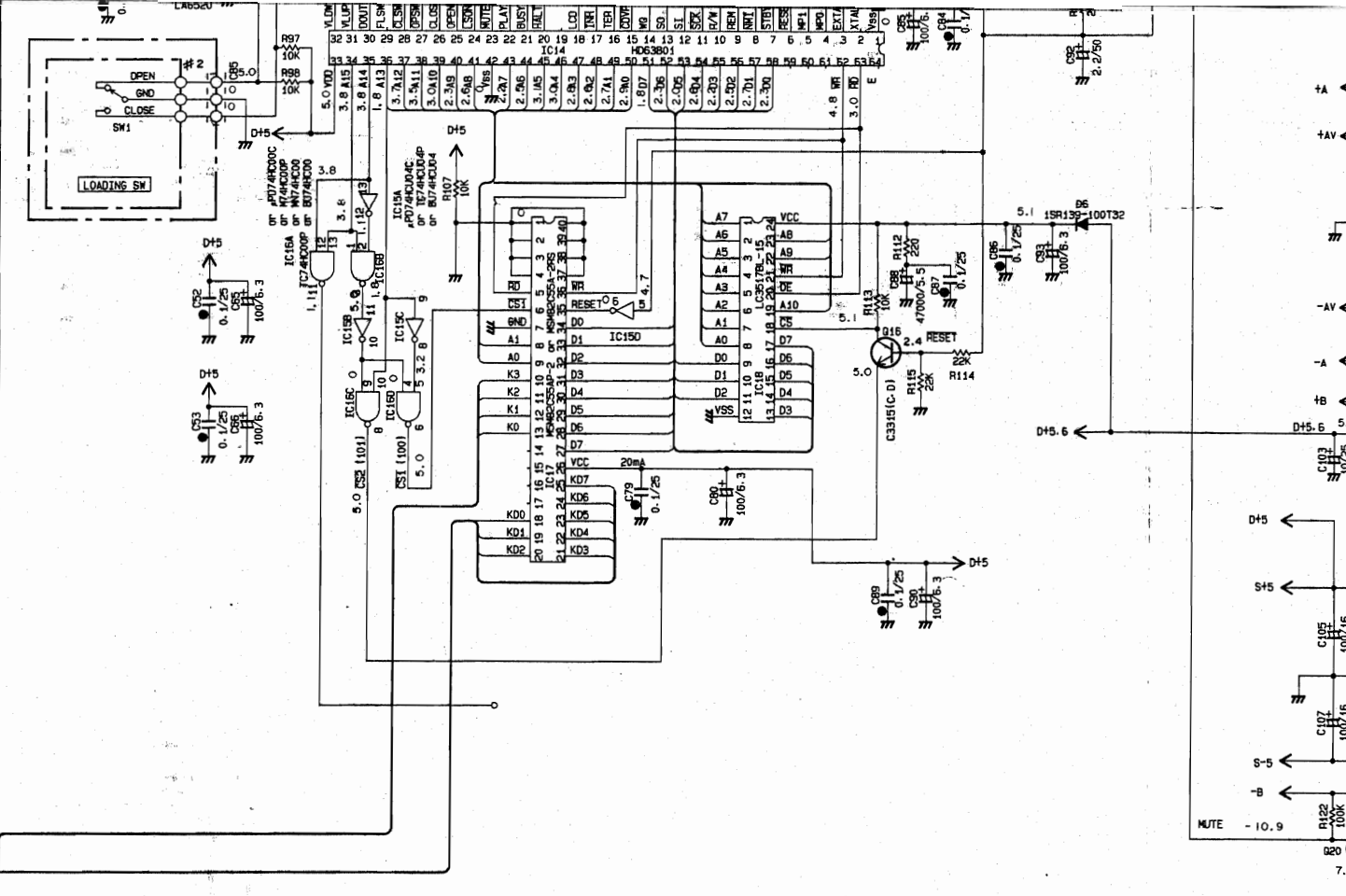
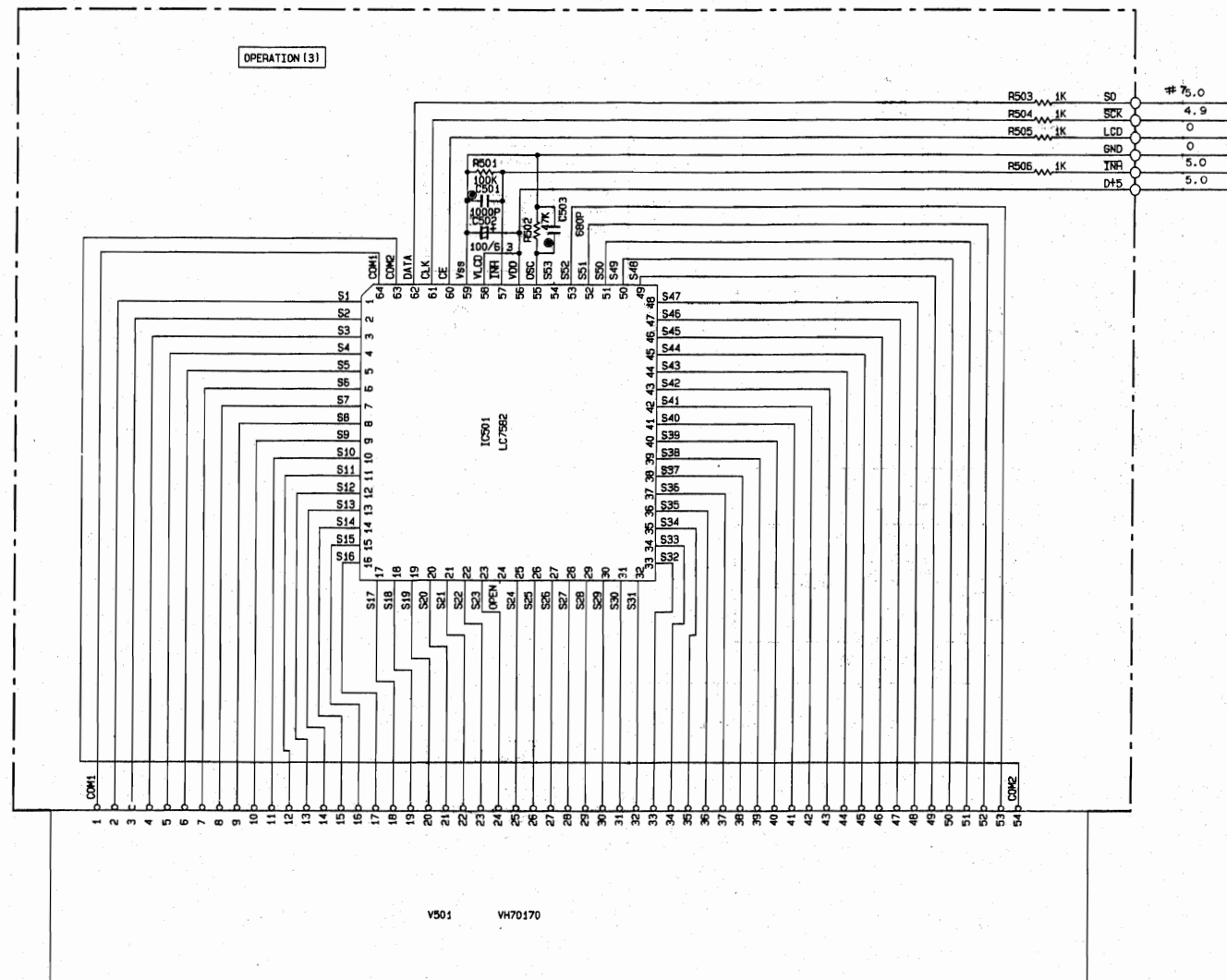
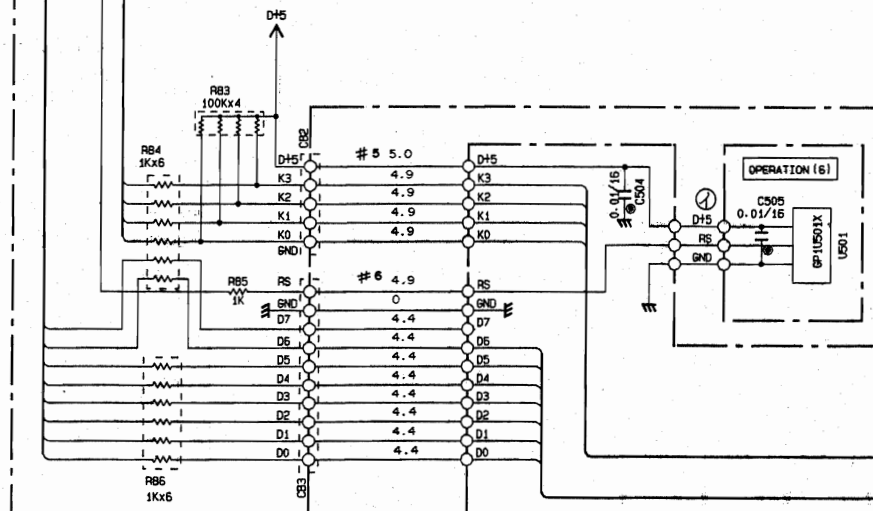
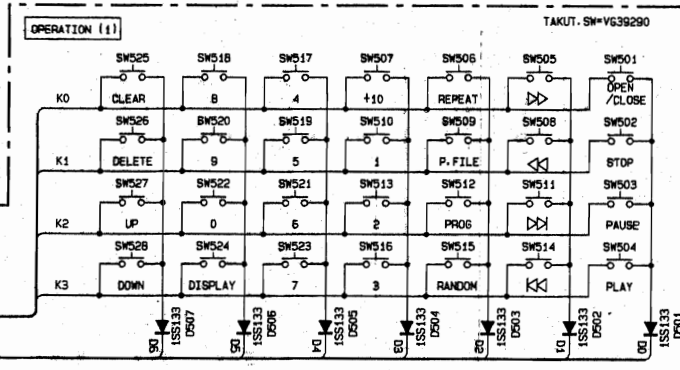
D400(E,F) : D400(E,F) or C2060(P,Q,R)
C1740S(S,R) : C1740S(S,R) or C2603(E,F) or C3311A(Q,R,S)
A934(P,Q,R) : A9334(P,Q,R) or B544
A933S(Q,R) : A933S(Q,R) or A1115(E,F) or A1309A(Q,R,S)

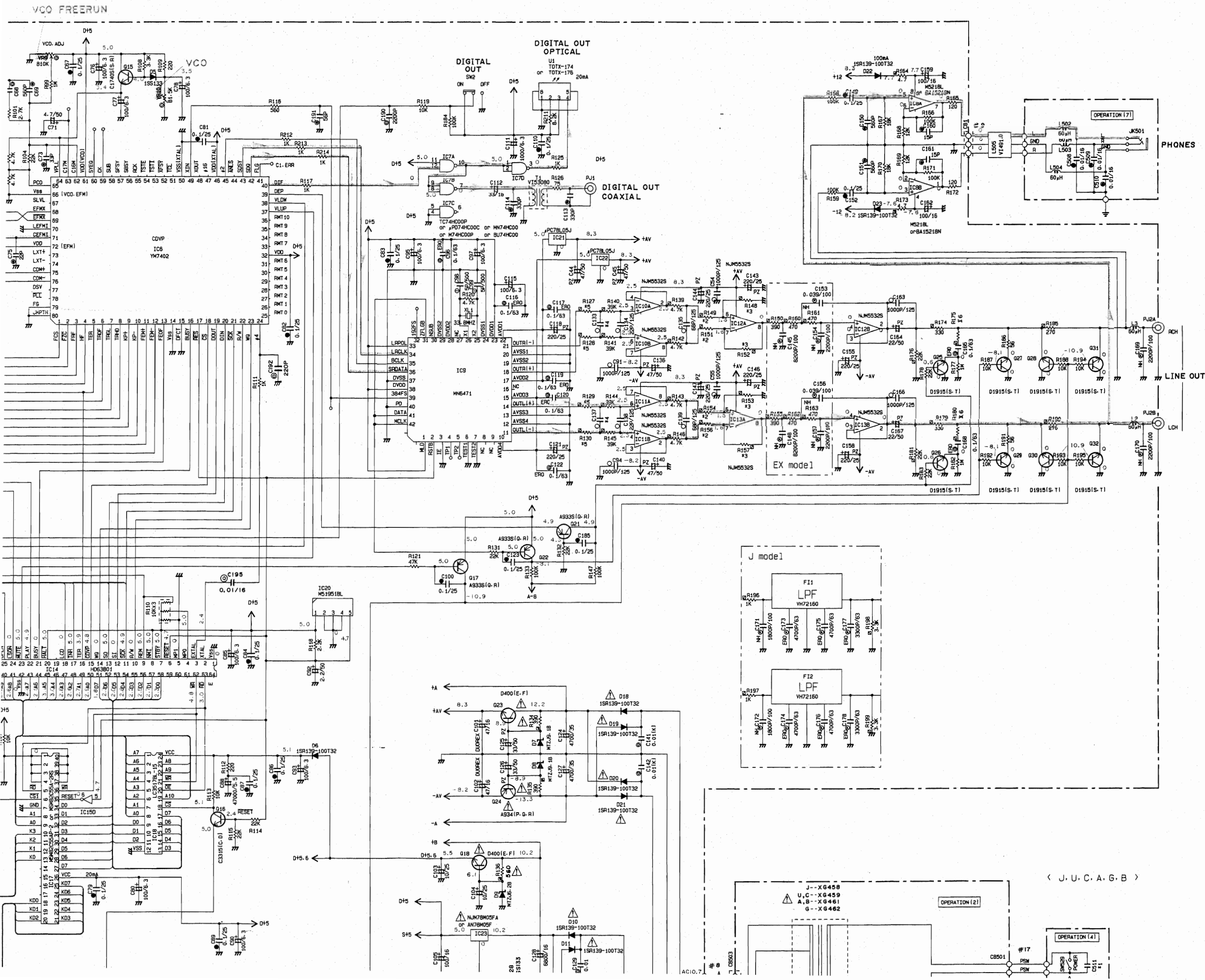
NOTICE

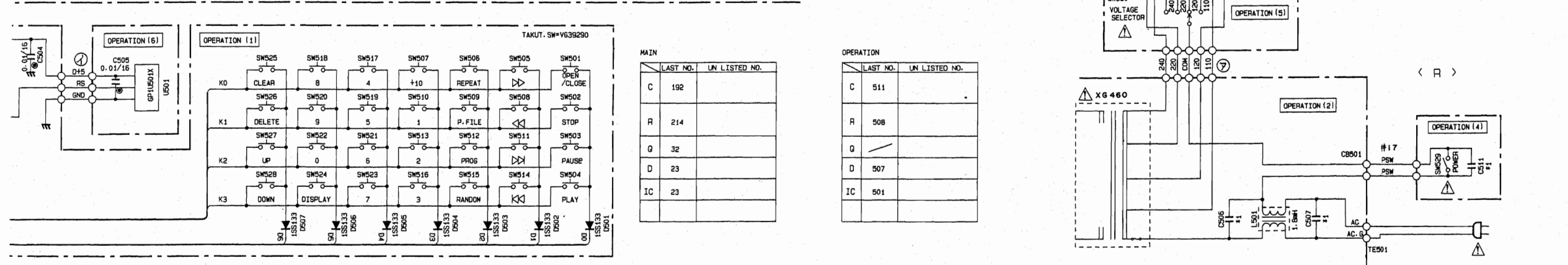
(J)..... Japanese m
(U)..... U.S.A mode
(C)..... Canadian m
(A)..... Australian
(G)..... European m
(B)..... British mo
(R)..... General m
(P)..... RP model

	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		

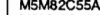
TAKUT. SW-V539290





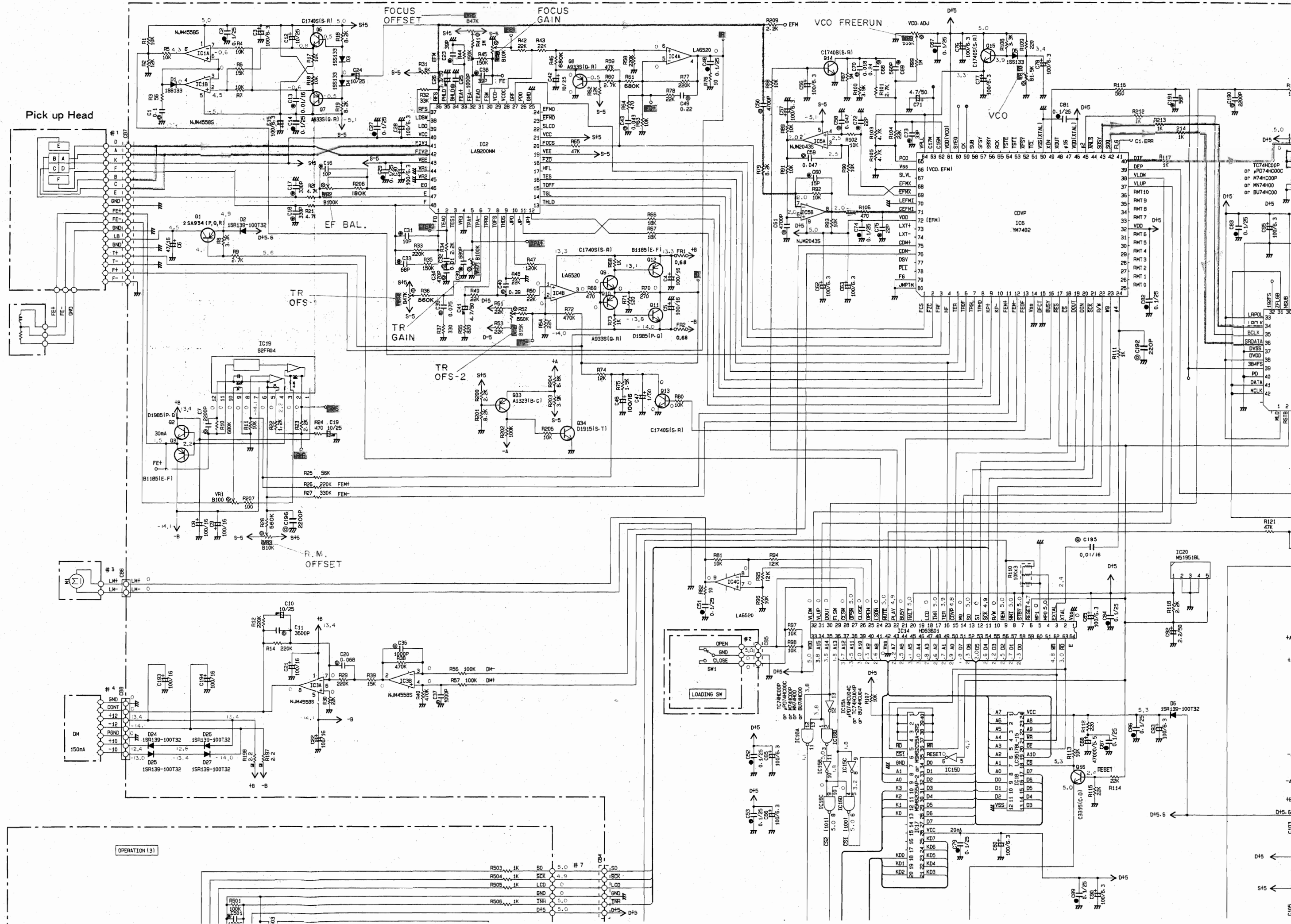


CAPACITOR		
REMARKS	PARTS NAME	
NO MARK	ELECTROLYTIC CAPACITOR	
⊗	TANTALUM CAPACITOR	五
NO MARK	CERAMIC CAPACITOR	
⊙	POLYESTER FILM CAPACITOR	
⊖	POLYSTYRENE FILM CAPACITOR	
○	MICA CAPACITOR	11
●	POLYPROPYLENE FILM CAPACITOR	
⦿	SEMICONDUCTIVE CERAMIC CAPACITOR	

 LC3517BL-15	 M5M82C55A-P2 MSM82C55A-2RS	 HD63B01	 MN6471	 LA9200NM	 LC7582	 YM7402
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34

CDX-1030 1/2 SCHEMATIC DIAGRAM



CDX-1030

PIN CONNECTION DIAGRAM OF TRANSISTORS, DIODES AND ICs.

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

INTERCHANGABLE PARTS AT MANUFACTURE - STAGE

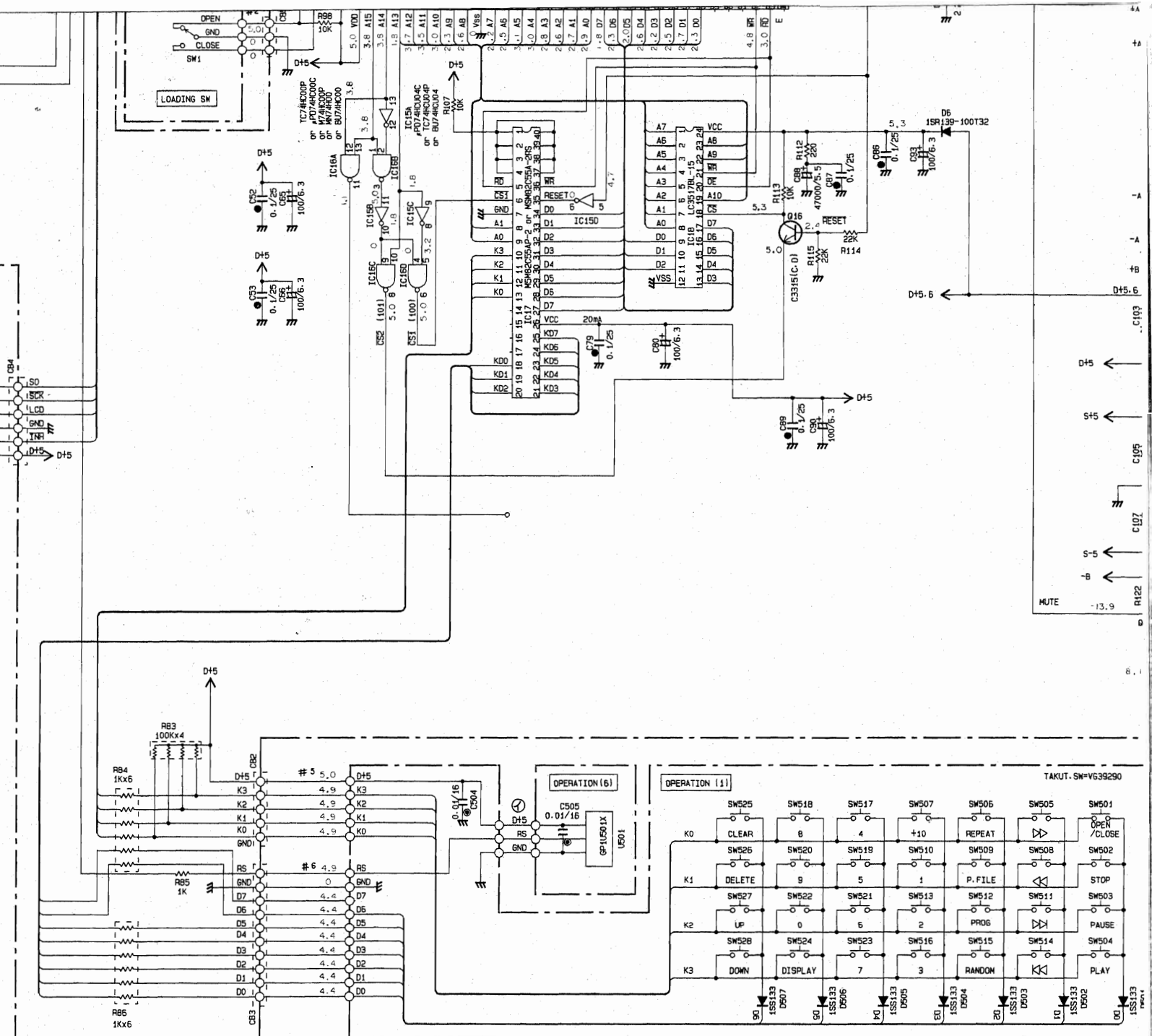
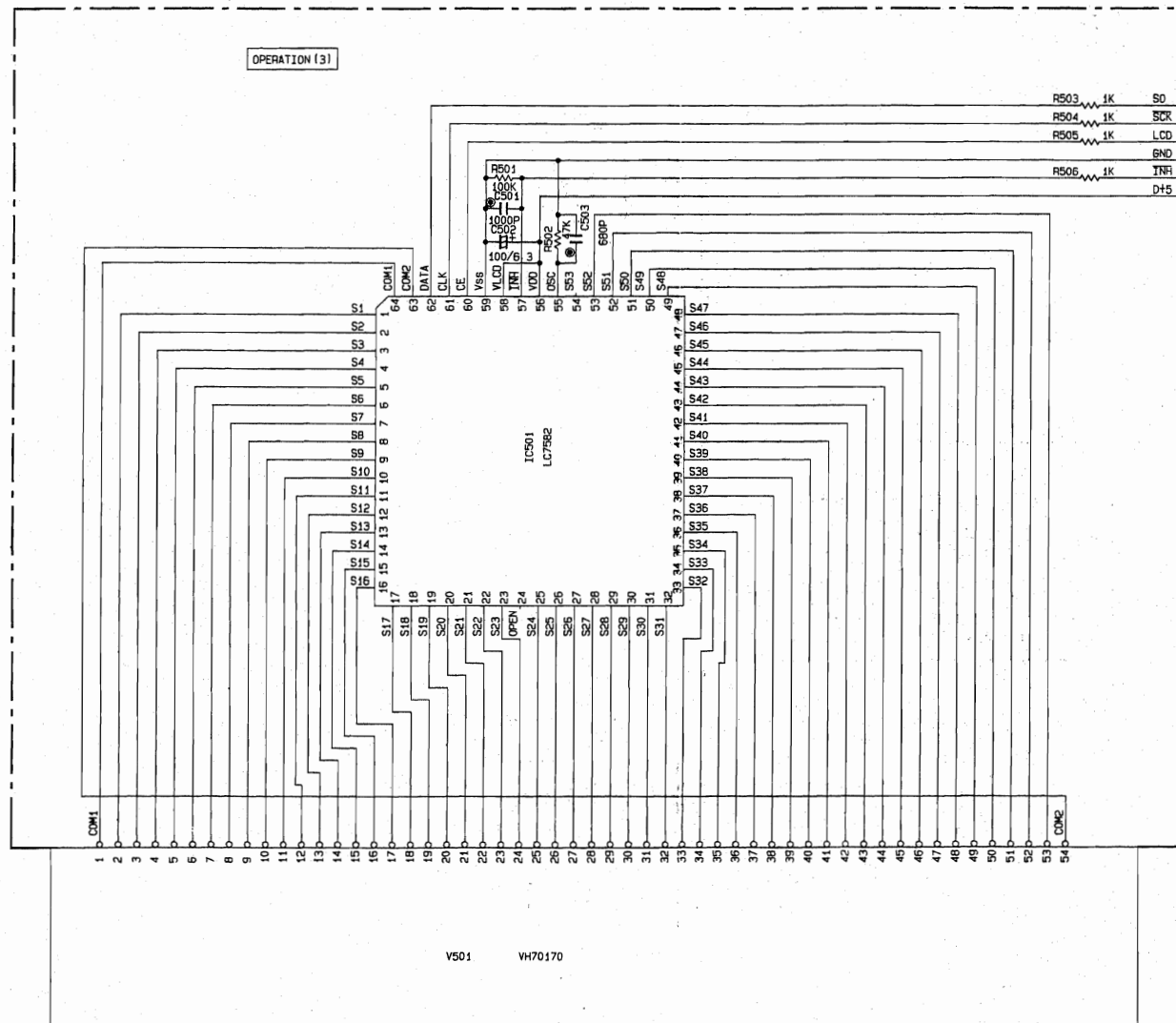
REFERENCE PARTS NO.	PARTS NAME
Q 7, 8, 10, 17, 20~22	2SA933S(Q,R) or 2SA1115(E,F) or 2SA1309A(Q,R,S)
Q 1, 19, 24	2SA934(P,Q,R) or 2SB544
Q 6, 9, 13~15	2SC1740S(S,R) or 2SC2603(E,F) or 2SC3311A(Q,R,S)
Q 18, 23	2SC2060(P,Q,R) or 2SD400(E,F)

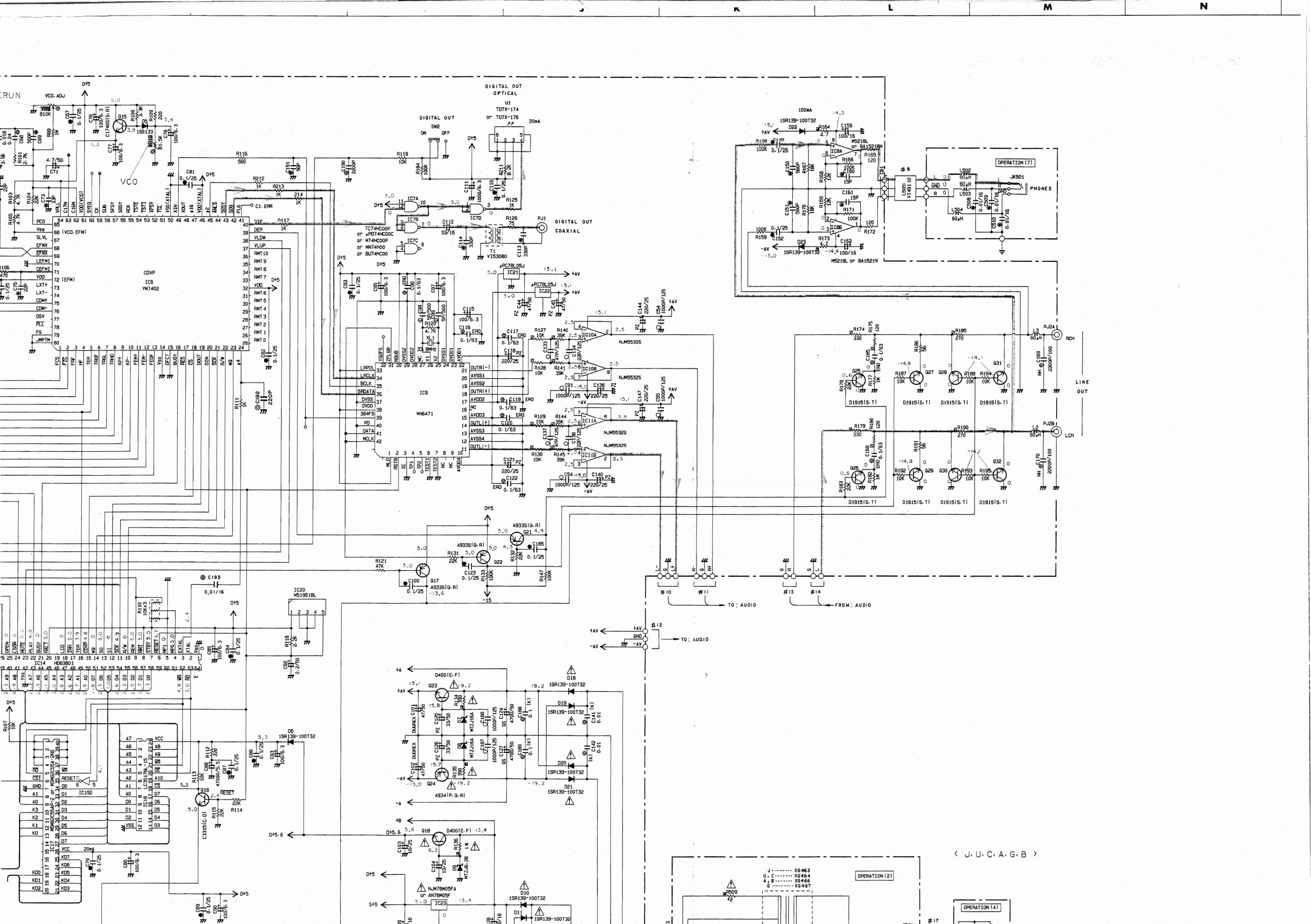
D400(E,F) : D400(E,F) or C2060(P,Q,R)
C1740S(S,R) : C1740S(S,R) or C2603(E,F) or C3311A(Q,R,S)
A934(P,Q,R) : A934(P,Q,R) or B544
A933S(Q,R) : A933S(Q,R) or A1115(E,F) or A1309A(Q,R,S)

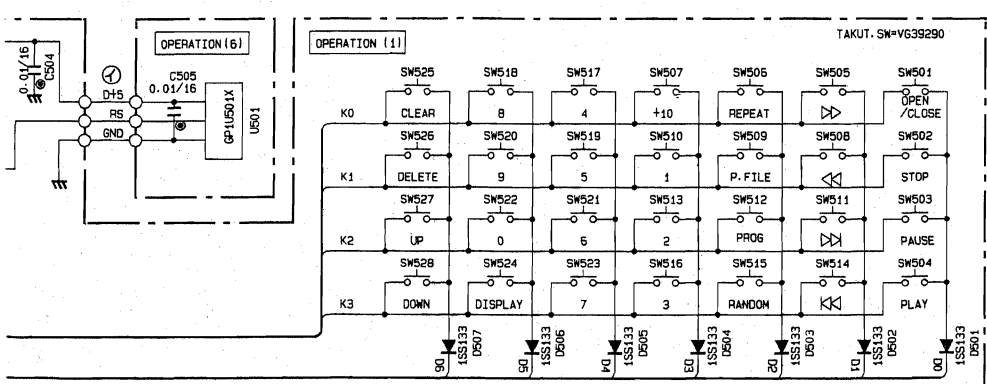
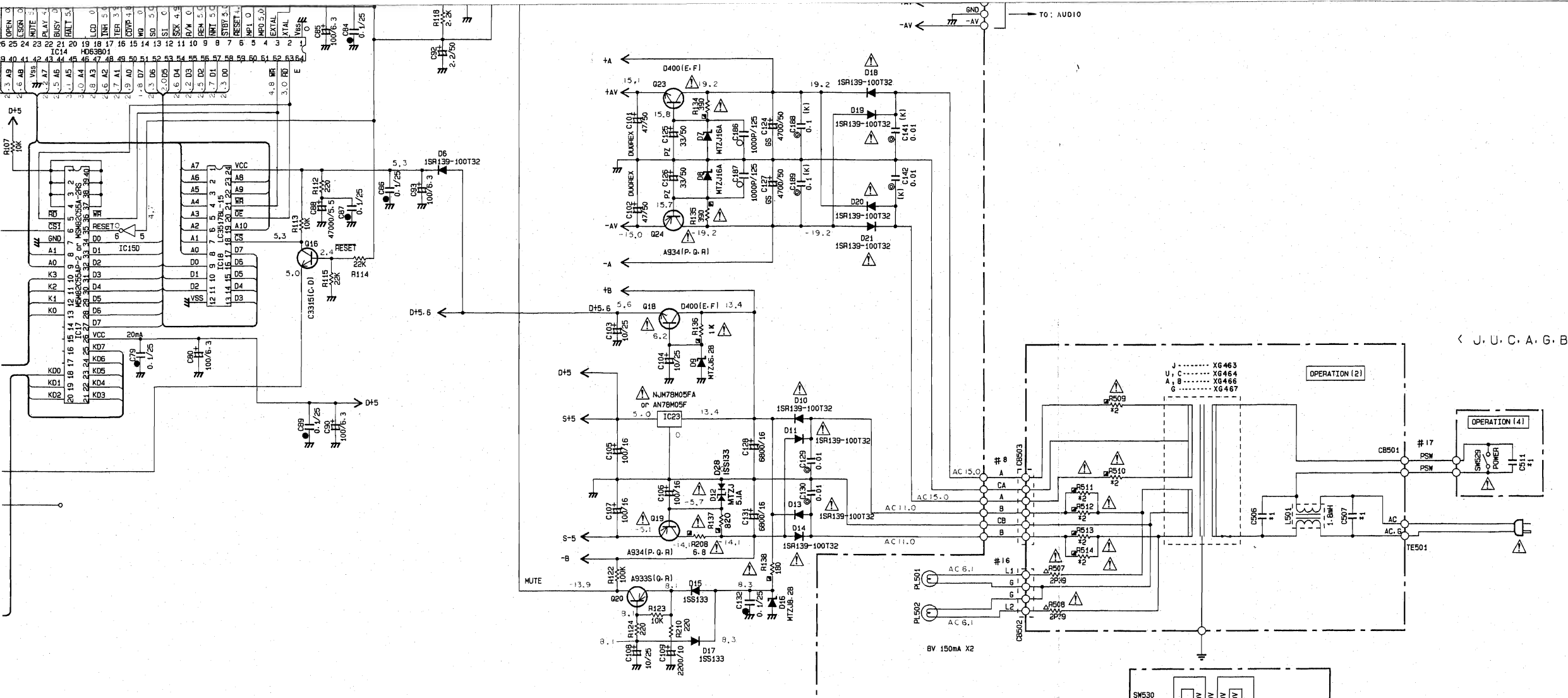
NOTICE

(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

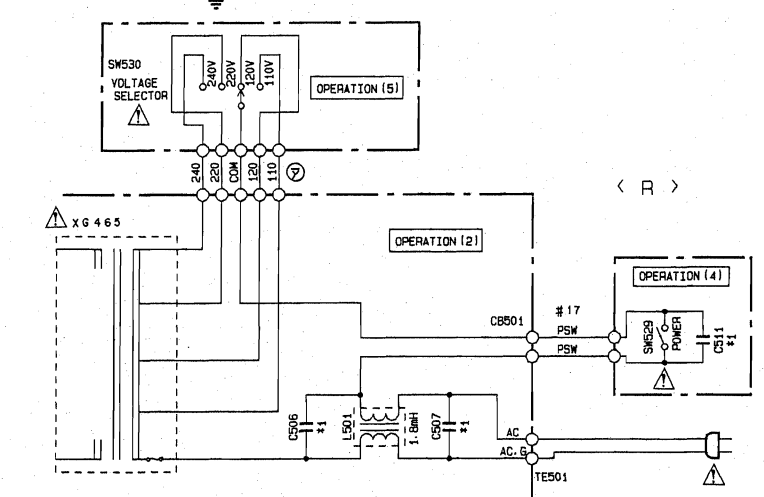






MAIN	
LAST NO.	UN LISTED NO.
C	194
R	214
Q	34
D	27
IC	23

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



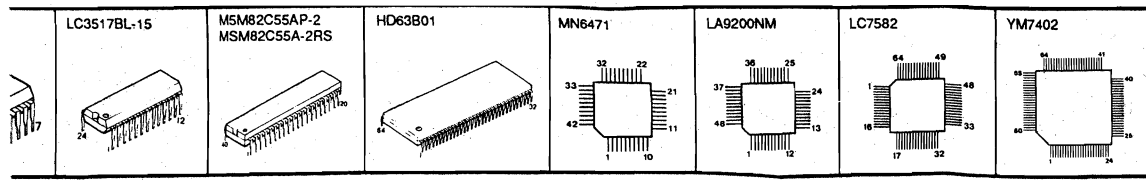
: D400(E.F) or C2060(P.Q.R)
 R : C1740S(S.R) or C2603(E.F) or C3311A(Q.R.S)
 R : A934(P.Q.R) or B544
) : A933S(Q.R) or A1115(E.F) or A1309A(Q.R.S)

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

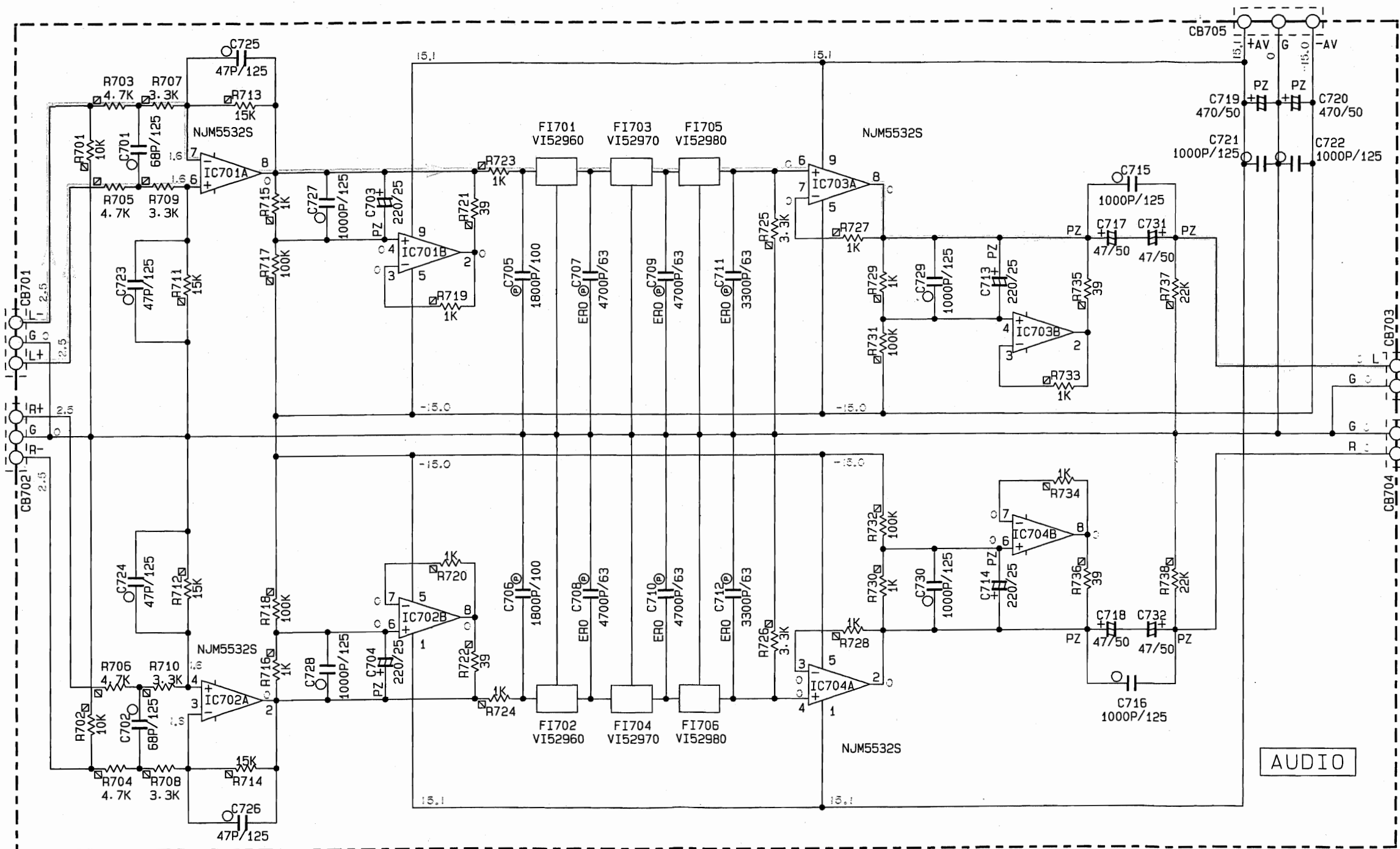
REMARKS	PARTS NAME
NO MARK	ELECTROLYTIC CAPACITOR
⊗	TANTALUM CAPACITOR
NO MARK	CERAMIC CAPACITOR
⊙	POLYESTER FILM CAPACITOR
○	POLYSTYRENE FILM CAPACITOR
①	MICA CAPACITOR
⊙	POLYPROPYLENE FILM CAPACITOR
●	SEMICONDUCTIVE CERAMIC CAPACITOR

	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 Δ 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	マイラーコン	C34		
	FA153100	MYLAR FILM CAP	マイラーコン	C25,36,37		
	FA153220	MYLAR FILM CAP	マイラーコン	C7,190		
	FA153360	MYLAR FILM CAP	マイラーコン	C11		
	FA153470	MYLAR FILM CAP	マイラーコン	C50,61		
	FA154100	MYLAR FILM CAP	マイラーコン	C32,129,130		
	FA154180	MYLAR FILM CAP	マイラーコン	C70		
	FA154430	MYLAR FILM CAP	マイラーコン	C43		
	FA154470	MYLAR FILM CAP	マイラーコン	C58,59		
	FA154680	MYLAR FILM CAP	マイラーコン	C20		
	FA154750	MYLAR FILM CAP	マイラーコン	C35		
	FA155100	MYLAR FILM CAP	マイラーコン	C1		
	FA155220	MYLAR FILM CAP	マイラーコン	C49		
	FA155240	MYLAR FILM CAP	マイラーコン	C68		
	FA155390	MYLAR FILM CAP	マイラーコン	C40		
*	FC444100	MYLAR FILM CAP	マイラーコン	C141,142		
*	FZ004940	MYLAR FILM CAP	マイラーコン	C188,189		
*	Vi745200	METALLIZED FILM CAP	積層フィルムコン	C96,116,117,119,120,122,165,168		
	UT453220	POLYPROPYLENE FILM CAP	PPコン	C169,170		
	VF466600	CERAMIC CAP	円筒セラコン	C16,31		
	VG276200	CERAMIC CAP	円筒セラコン	C60,160,161		
	VG276600	CERAMIC CAP	円筒セラコン	C72,75		
	VG277000	CERAMIC CAP	円筒セラコン	C73		
	VG277200	CERAMIC CAP	円筒セラコン	C23,38		
	VG277500	CERAMIC CAP	円筒セラコン	C191		
	VG277700	CERAMIC CAP	円筒セラコン	C33		
	VG278400	CERAMIC CAP	円筒セラコン	C192		
	VG278600	CERAMIC CAP	円筒セラコン	C17,18,113,114		
	VG278800	CERAMIC CAP	円筒セラコン	C69,150,151		
*	VG278900	CERAMIC CAP	円筒セラコン	C39		
	VF467300	CERAMIC CAP	円筒セラコン	C13,195		
	UH118100	ELECTROLYTIC CAP	ケミコン	C3,15,28,30,56,57,62,76-78,80,85,90,93,95,97	63,65,66,97	
	UJ119100	ELECTROLYTIC CAP	ケミコン	C111		
	UH129220	ELECTROLYTIC CAP	ケミコン	C109		
	UJ137330	ELECTROLYTIC CAP	ケミコン	C112		
	UJ137470	ELECTROLYTIC CAP	ケミコン	C6		
	UI838100	ELECTROLYTIC CAP	ケミコン	C4,5,8,9,21,22,46,105-107,159,162,193,194		
	UJ147100	ELECTROLYTIC CAP	ケミコン	C12,42,103,104,108		
	UJ166100	ELECTROLYTIC CAP	ケミコン	C47		
	UJ666220	ELECTROLYTIC CAP	ケミコン	C92		
	UJ166470	ELECTROLYTIC CAP	ケミコン	C71		
	VG286200	ELECTROLYTIC CAP	ケミコン	C115		
*	Vi578400	ELECTROLYTIC CAP	ケミコン	C128,131		

*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
*	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	

*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
	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	4700oF 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

● CDX-1030

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. 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, 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, 76-78,80,85,90,93,95,	63,65,66, 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, 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

● CDX-930

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	
	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		
	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

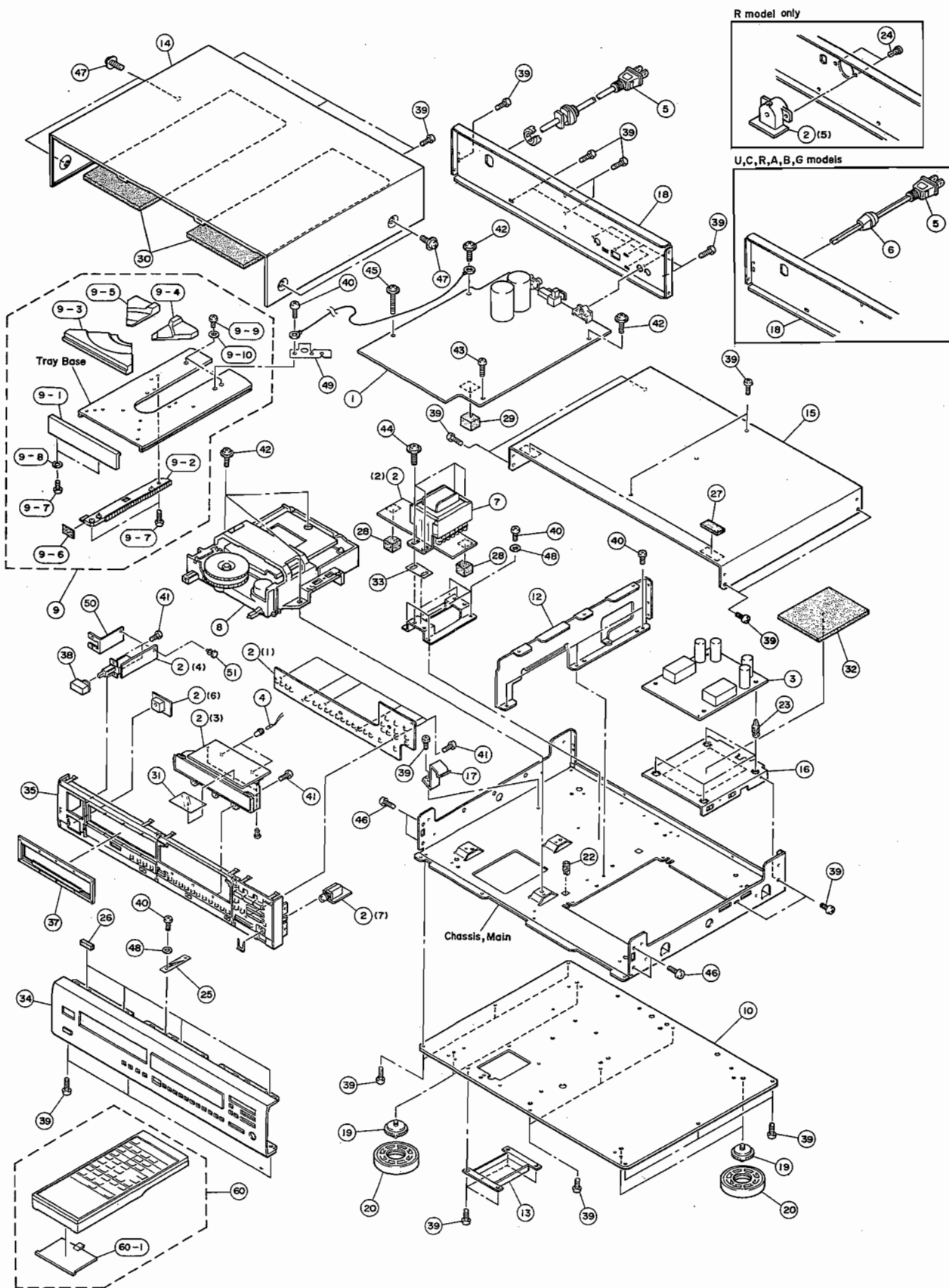
● CDX-930

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	GP1U501X	リモコン受光ユニット	U501	
	VG388100	VOLTAGE SELECTOR		電圧切換器	SV530	
	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

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			
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			
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 ピンコード		UCRABG	
			2P 0.8m ピンコード			

*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	スバック座金	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

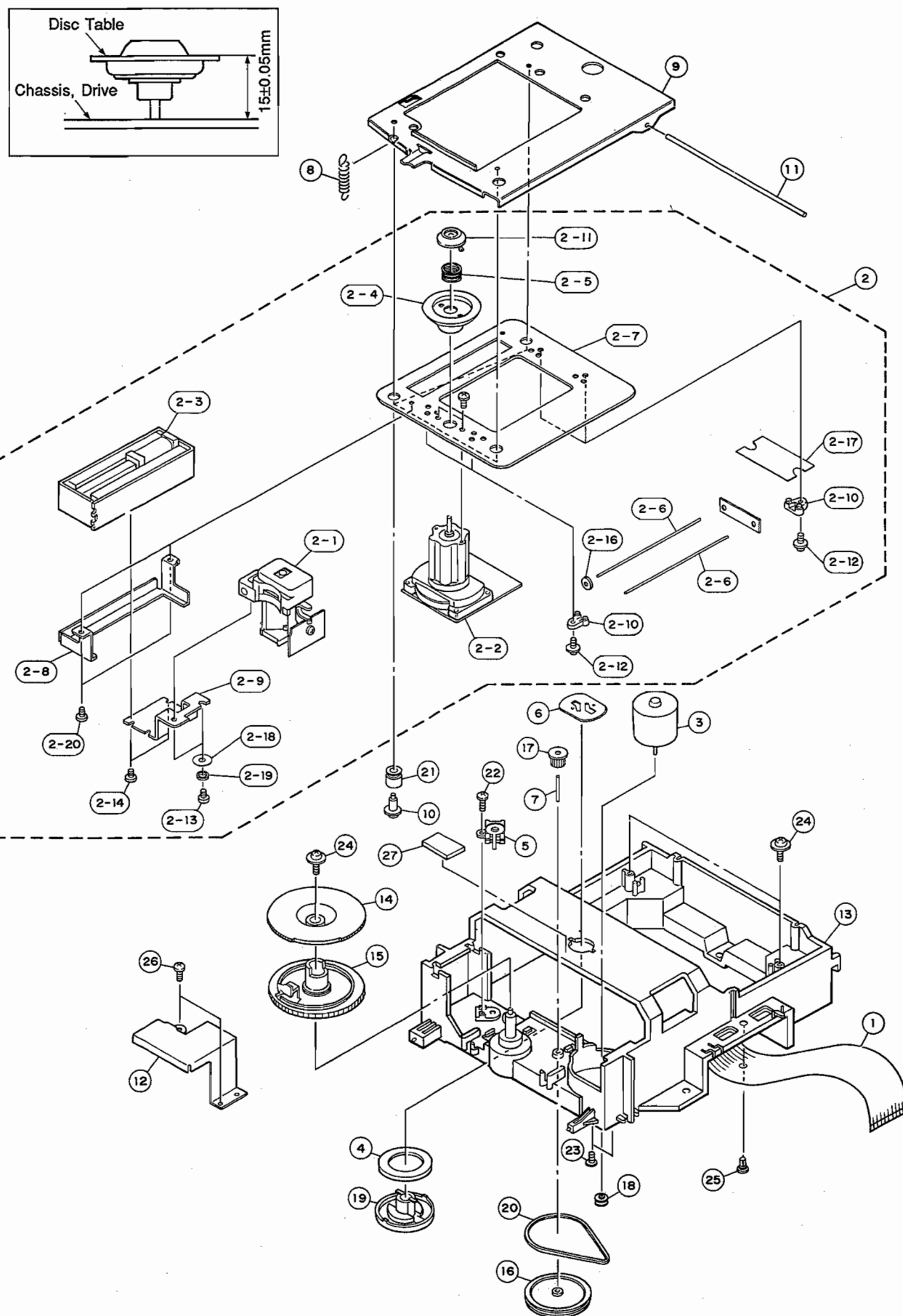
● CDX-930

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

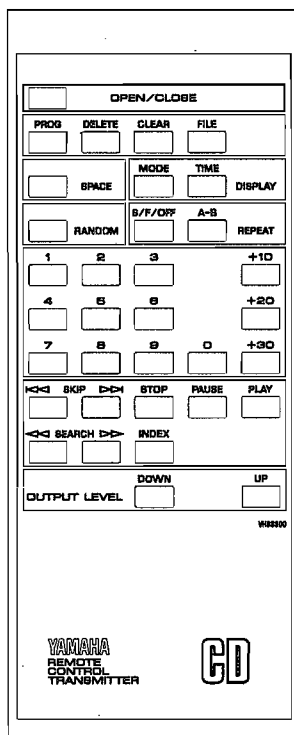
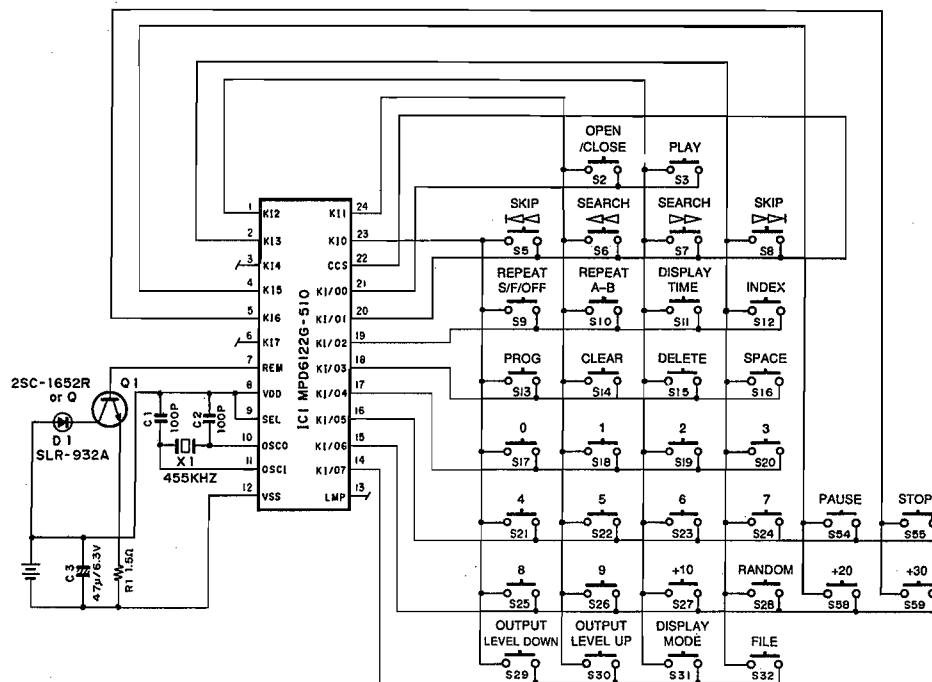
Ref. NO.	PART NO.	Description	部 品 名	Remarks	Markets	ランク
* 1	Vi483100	DISC MECHANISM UNIT	DM-89X	ディスクメカユニット	CDX-1030	
* 2	Vi485700	DISC MECHANISM UNIT	DM-89E	ディスクメカユニット	CDX-930	
* 1	XG926A00	FLEXIBLE P.C.B.		PUフレキシ基板		
* 2	Vi490000	SPINDLE MECHANISM ASS'Y	89X	スピンドルメカASSY	CDX-1030	
* 2	Vi489900	SPINDLE 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

REMOTE CONTROL TRANSMITTER

■ SCHEMATIC DIAGRAM



CUSTOM CODE C₀ C₁ C₂ C₃ C₄ C₅ C₆ C₇
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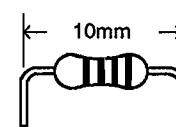
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6	1	0	1	0	0	0	0	0	SEARCH <<<
7	0	1	1	0	0	0	0	0	SEARCH >>>
8	1	1	1	0	0	0	0	0	SKIP >>>
9	0	0	0	1	0	0	0	0	REPEAT S/F/OFF
10	1	0	0	1	0	0	0	0	REPEAT A-B
11	0	1	0	1	0	0	0	0	DISPLAY TIME
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13	0	0	1	1	0	0	0	0	PROG
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15	0	1	1	1	0	0	0	0	DELETE
16	1	1	1	1	0	0	0	0	SPACE
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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 Ω	HJ35 3100	HF85 3100	12 K Ω	HJ35 7120	HF85 7120
1.8 Ω	HJ35 3180	*	15 K Ω	HJ35 7150	HF85 7150
2.2 Ω	HJ35 3220	HF85 3220	18 K Ω	HJ35 7180	HF85 7180
3.3 Ω	HJ35 3330	HF85 3330	22 K Ω	HJ35 7220	HF85 7220
4.7 Ω	HJ35 3470	HF85 3470	27 K Ω	HJ35 7270	HF85 7270
5.6 Ω	HJ35 3560	HF85 3560	33 K Ω	HJ35 7330	HF85 7330
10 Ω	HJ35 4100	HF85 4100	39 K Ω	HJ35 7390	HF85 7390
15 Ω	HJ35 4150	HF85 4150	47 K Ω	HJ35 7470	HF85 7470
22 Ω	HJ35 4220	HF85 4220	56 K Ω	HJ35 7560	HF85 7560
27 Ω	HJ35 4270	HF85 4270	68 K Ω	HJ35 7680	HF85 7680
33 Ω	HJ35 4330	HF85 4330	82 K Ω	HJ35 7820	HF85 7820
39 Ω	HJ35 4390	HF85 4390	91 K Ω	HJ35 7910	HF85 7910
47 Ω	HJ35 4470	HF85 4470	100 K Ω	HJ35 8100	HF85 8100
56 Ω	HJ35 4560	HF85 4560	120 K Ω	HJ35 8120	HF85 8120
68 Ω	HJ35 4680	HF85 4680	150 K Ω	HJ35 8150	HF85 8150
82 Ω	HJ35 4820	HF85 4820	180 K Ω	HJ35 8180	HF85 8180
100 Ω	HJ35 5100	HF85 5100	220 K Ω	HJ35 8220	HF85 8220
110 Ω	HJ35 5110	HF85 5110	270 K Ω	HJ35 8270	HF85 8270
120 Ω	HJ35 5120	HF85 5120	330 K Ω	HJ35 8330	HF85 8330
150 Ω	HJ35 5150	HF85 5150	390 K Ω	HJ35 8390	HF85 8390
160 Ω	HJ35 5160	*	470 K Ω	HJ35 8470	HF85 8470
180 Ω	HJ35 5180	HF85 5180	560 K Ω	HJ35 8560	HF85 8560
220 Ω	HJ35 5220	HF85 5220	680 K Ω	HJ35 8680	HF85 8680
270 Ω	HJ35 5270	HF85 5270	820 K Ω	HJ35 8820	HF85 8820
330 Ω	HJ35 5330	HF85 5330	1.0 M Ω	HJ35 9100	HF85 9100
390 Ω	HJ35 5390	HF85 5390	1.2 M Ω	HJ35 9120	*
470 Ω	HJ35 5470	HF85 5470	1.5 M Ω	HJ35 9150	HF85 9150
510 Ω	*	HF85 5510	1.8 M Ω	HJ35 9180	HF85 9180
560 Ω	HJ35 5560	HF85 5560	2.2 M Ω	HJ35 9220	HF85 9220
680 Ω	HJ35 5680	HF85 5680	3.3 M Ω	HJ35 9330	HF85 9330
820 Ω	HJ35 5820	HF85 5820	3.9 M Ω	HJ35 9390	*
910 Ω	HJ35 5910	HF85 5910	4.7 M Ω	HJ35 9470	HF85 9470
1.0 K Ω	HJ35 6100	HF85 6100			
1.2 K Ω	HJ35 6120	HF85 6120			
1.5 K Ω	HJ35 6150	HF85 6150			
1.8 K Ω	HJ35 6180	HF85 6180			
2.0 K Ω	HJ35 6200	HF85 6200			
2.2 K Ω	HJ35 6220	HF85 6220			
2.4 K Ω	HJ35 6240	HF85 6240			
2.7 K Ω	HJ35 6270	HF85 6270			
3.0 K Ω	HJ35 6300	HF85 6300			
3.3 K Ω	HJ35 6330	HF85 6330			
3.6 K Ω	HJ35 6360	HF85 6360			
3.9 K Ω	HJ35 6390	HF85 6390			
4.7 K Ω	HJ35 6470	HF85 6470			
5.1 K Ω	HJ35 6510	HF85 6510			
5.6 K Ω	HJ35 6560	HF85 6560			
6.8 K Ω	HJ35 6680	HF85 6680			
8.2 K Ω	HJ35 6820	HF85 6820			
9.1 K Ω	HJ35 6910	HF85 6910			
10 K Ω	HJ35 7100	HF85 7100			

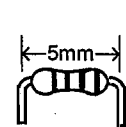
1/4W Type

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
P.O. BOX 1, HAMAMATSU, JAPAN

Hi-Fi Stereo

SERVICE NEWS

CDX-930/1030

BULLETIN NO.: E-529

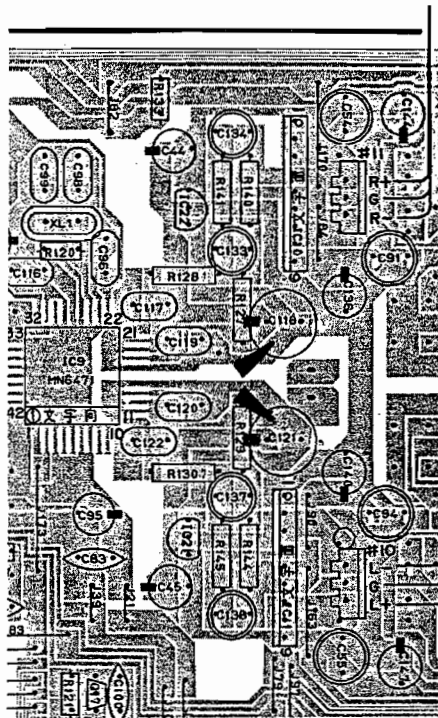
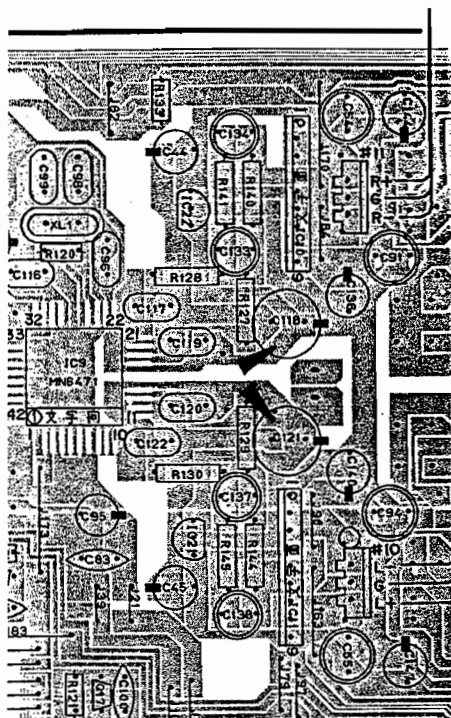
DATE : May, 1991

Reinstallation of Electrolytic Capacitor Installed with Polarities Inverted

[Purpose] There are some cases that the electrolytic capacitors 220 μ 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~

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