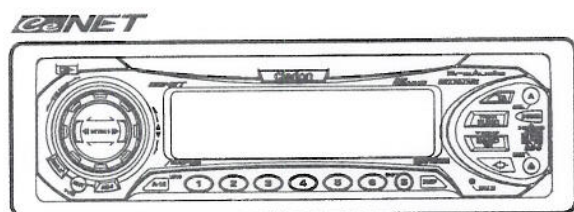


Service Manual



RDS-FM/AM CD Player
with CD/MD Changer Control

Model **DRX9575Rz**
(PE-2177B)

FILE COPY

SPECIFICATIONS

FM tuner section

Frequency range: 87.0MHz to 107.9MHz
Usable sensitivity: 11dBf
50dB quieting sensitivity: 17dBf
Alternative channel selectivity: 75dB
Stereo separation: 35dB(1kHz)
Frequency response: 30Hz to 15kHz(±3dB)

AM tuner section

Frequency range: 530kHz to 1710kHz
Usable sensitivity: 25 μ V

CD player section

System: Compact disc digital audio system
Usable discs: Compact disc
Frequency response: 5Hz to 20kHz(±1dB)
S/N ratio: 100dB(1kHz)
Dynamic range: 95dB(1kHz)
Harmonic distortion: 0.01%

Audio section

Bass control action: ±15dB(30Hz)
Treble control action: ±10dB(10kHz)
Line output level: 4V(CD 1kHz)

General

Power supply voltage: 14.4V DC(10.8 to 15.6V allowable)
negative ground
Current consumption: Less than 7A

Dimensions(mm): Main unit
178(W)×50(H)×152(D)
Remote control unit
44(W)×110(H)×27(D)
Weight: Main unit 1.8kg
Remote control unit
30g(including battery)

※ Specifications and design are subject to change without notice for further improvement.

NOTE

※ We cannot supply PWB with component parts in principle. When a circuit on PWB has failure, please repair it by component parts base. Parts which are not mentioned in service manual are not supplied.

COMPONENTS

PE-2177B-A

Main unit	-----	1
Remote control	RCB-134-600	1
Battery(SUM-3)	-----	2
Mounting bracket	300-4976-00	1
Mounting bracket	300-9677-00	1
DCP case	335-5734-01	1
Outer escutcheon	940-7781-61	1
Extension lead	854-6320-82	1
Parts bag	921-9529-60	1
Removal tool	331-0488-00	2
Lead holder	335-0833-01	1
Clip	335-3744-00	1
Screw	716-0496-01	1

■ To engineers in charge of repair or inspection of our products.

Before repair or inspection, make sure to follow the instructions so that customers and Engineers in charge of repair or inspection can avoid suffering any risk or injury.

1. Use specified parts.

The system uses parts with special safety features against fire and voltage. Use only parts with equivalent characteristics when replacing them.

The use of unspecified parts shall be regarded as remodeling for which we shall not be liable. The onus of product liability (PL) shall not be our responsibility in cases where an accident or failure is as a result of unspecified parts being used.

2. Place the parts and wiring back in their original positions after replacement or re-wiring.

For proper circuit construction, use of insulation tubes, bonding, gaps to PWB, etc, is involved. The wiring connection and routing to the PWB are specially planned using clamps to keep away from heated and high voltage parts. Ensure that they are placed back in their original positions after repair or inspection.

If extended damage is caused due to negligence during repair, the legal responsibility shall be with the repairing company.

3. Check for safety after repair.

Check that the screws, parts and wires are put back securely in their original position after repair. Ensure for safety reasons there is no possibility of secondary problems around the repaired spots.

If extended damage is caused due to negligence of repair, the legal responsibility shall be with the repairing company.

4. Caution in removal and making wiring connection to the parts for the automobile.

Disconnect the battery terminal after turning the ignition key off. If wrong wiring connections are made with the battery connected, a short circuit and/or fire may occur. If extensive damage is caused due to negligence of repair, the legal responsibility shall be with the repairing company.

5. Cautions regarding chips.

Do not reuse removed chips even when no abnormality is observed in their appearance. Always replace them with new ones. (The chip parts include resistors, capacitors, diodes, transistors, etc). The negative pole of tantalum capacitors is highly susceptible to heat, so use special care when replacing them and check the operation afterwards.

6. Cautions in handling flexible PWB

Before working with a soldering iron, make sure that the iron tip temperature is around 270°C. Take care not to apply the iron tip repeatedly (more than three times) to the same patterns. Also take care not to apply the tip with force.

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

8. Cautions in checking that the optical pickup lights up.

The laser is focused on the disc reflection surface through

the lens of the optical pickup. When checking that the laser optical diode lights up, keep your eyes more than 30cms away from the lens. Prolonged viewing of the laser within 30cms may damage your eyesight.

9. Cautions in handling the optical pickup

The laser diode of the optical pickup can be damaged by electrostatic charge caused by your clothes and body. Make sure to avoid electrostatic charges on your clothes or body, or discharge static electricity before handling the optical pickup.

9-1. Laser diode

The laser diode terminals are shorted for transportation in order to prevent electrostatic damage. After replacement, open the shorted circuit. When removing the pickup from the mechanism, short the terminals by soldering them to prevent this damage.

9-2. Actuator

The actuator has a powerful magnetic circuit. If a magnetic material is put close to it, its characteristics will change. Ensure that no foreign substances enter through the ventilation slots in the cover.

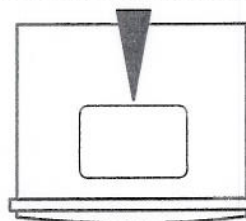
9-3. Cleaning the lens

Dust on the optical lens affects performance. To clean the lens, apply a small amount of isopropylalcohol to lens paper and wipe the lens gently.

■ CAUTIONS

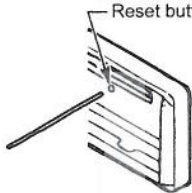
Use of controls, adjustments, or performance of procedures other than those specified herein, may result in hazardous radiation exposure.

The compact disc player should not be adjusted or repaired by anyone except properly qualified service personnel.



Bottom view of source unit

■TROUBLESHOOTING

Problem	Cause	Measure
Nothing happens when buttons are pressed. Display is not accurate.	The microprocessor has malfunctioned due to noise,etc.	Turn off the power,then press the Release button and remove the DCP. Press the reset button for about 2 seconds with a thin rod. 

■ERROR DISPLAYS

If an error occurs,one of the following displays is displayed.

Take the measure described below to eliminate the problem.

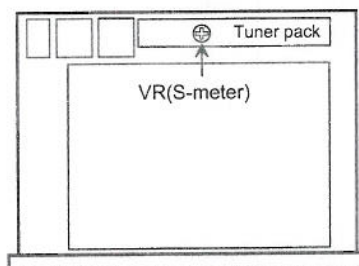
	Error display	Cause	Measure
CD	ERROR 2	A CD is caught inside the CD deck and is not ejected.	This is a failure of CD deck's mechanism.
	ERROR 3	A CD cannot be played due to scratches,etc.	Replace with a non-scratched,non-warped-disc.
	ERROR 6	A CD is loaded upside-down inside the CD deck and does not play.	Eject the disc then reload it properly.
CD CHANGER	ERROR 2	A CD inside the CD changer is not loaded.	This is a failure of CD changer's mechanism.
	ERROR 3	A CD inside the CD changer cannot be played due to scratches,etc.	Replace with a non-scratched,non-warped-disc.
	ERROR 6	A CD inside the CD changer cannot be played because it is loaded upside-down.	Eject the disc then reload it properly.
MD CHANGER	ERROR H	Displayed when the temperature in the MD changer is too high and playback has been stopped automatically.	Lower the surrounding temperature and wait for a while to cool off MD changer.
	ERROR 2	An MD inside the MD changer is not loaded.	This is a failure of MD changer's mechanism.
	ERROR 3	An MD inside the MD changer cannot be played due to scratches,etc.	Replace with a non-scratched,non-warped-disc.
	ERROR 6	An MD inside the MD changer cannot be played because it is loaded upside-down.	Eject the disc then reload it properly.
		Displayed when a non-recorded MD is loaded in the MD changer.	Load a pre-recorded MD in the MD changer.

If an error other than the ones described above appears,press the reset button.

■ADJUSTMENTS

FM section

Item	Procedure	Measuring instrument
S-meter	1. Input the 98.1MHz/30dB μ (400Hz,MOD 75kHz main90% + pilot10%)signal. 2. Turn on the power switch and press the DISP button and ADJ button at the same time for about 2seconds(TEST MODE). 3. adjust the reading of LCD indicator to [30----00] (3.0V) by VR of tuner pack.	SG



■ EXPLANATION OF IC

■ M30620MC-345GP 052-3349-01 Tuner/CD Controller (Ce-NET)

1. Outward Form : 100 pins QFP

2. Function : NEO CD mechanism control, PLL IC control, Electric volume IC control, Ce-NET

3. Terminal Description

pin 1 : N.C. : IN : Not in use.
pin 2 : N.C. : IN : Not in use.
pin 3 : SBSY : IN : Sub Q data request signal input to CD IC.
pin 4 : N.C. : IN : Not in use.
pin 5 : RDS CLK : IN : Time base signal input terminal from RDS decoder.
pin 6 : BYTE : IN : Connect to ground.
pin 7 : CN VSS : IN : Connect to ground.
pin 8 : SUB CLK IN : IN : Crystal connection. 32.768kHz.
pin 9 : SUB CLK O : O : Crystal connection. 32.768kHz.
pin 10 : RESET_ : IN : Reset signal input. Negative logic.
pin 11 : X OUT : O : Crystal connection. 10MHz.
pin 12 : VSS : - : Ground.
pin 13 : X IN : IN : Crystal connection. 10MHz.
pin 14 : VCC : - : Positive supply voltage.
pin 15 : N.C. : IN : Not in use.
pin 16 : ACC DET : IN : ACC ON signal input.
pin 17 : B/U DET_ : IN : Backup voltage OFF signal input. "L"=Backup OFF
pin 18 : KEY INT_ : IN : Interrupt signal input of FUNC/EJECT/ANGLE key.
pin 19 : 27pinCONNECT : IN : Connect to pin 27.
pin 20 : N.C. : IN : Not in use.
pin 21 : N.C. : IN : Not in use.
pin 22 : N.C. : O : Not in use.
pin 23 : DISP RESET : O : Display IC reset signal output.
pin 24 : INV +B : O : ON signal output to Power supply circuit of Back light.
pin 25 : N.C. : IN : Not in use.
pin 26 : N.C. : O : Not in use.
pin 27 : IE BUS RX : IN : IE Bus communication line.
pin 28 : IE BUS TX : O : IE Bus communication line.
pin 29 : N.C. : O : Not in use.
pin 30 : N.C. : IN : Not in use.
pin 31 : INITIAL OUT : O : Memory clear signal output to EEPROM.
pin 32 : PLL CE : O : PLL chip enable signal output.
pin 33 : PLL DO : O : PLL serial data output.
pin 34 : PLL DI : IN : PLL serial data input.
pin 35 : PLL SCK : O : PLL serial clock output.
pin 36 : FM STEREO_ : IN : FM stereo detection signal input. "L"= Stereo.
pin 37 : NON FADER 1 : O : Non fader volume control signal output. Ref. Table 1.
pin 38 : NON FADER 2 : O : Non fader volume control signal output. Ref. Table 1.
pin 39 : NON FADER 3 : O : Non fader volume control signal output. Ref. Table 1.
pin 40 : INITIAL 1 : IN : Destination setting terminal. Ref. Table 2.
pin 41 : INITIAL 2 : IN : Destination setting terminal. Ref. Table 2.
pin 42 : VOLUME CLK : O : Serial clock output to Electric volume.
pin 43 : VOLUME DO : O : Serial data output to Electric volume.
pin 44 : TONE BYPS_ : O : Tone bypass ON signal output. Negative logic.
pin 45 : CATS LED : O : CATS LED control signal output.
pin 46 : BUC 0 : O : Data output terminal to CD IC.
pin 47 : BUC 1 : O : Data output terminal to CD IC.
pin 48 : BUC 2 : O : Data output terminal to CD IC.
pin 49 : BUC 3 : O : Data output terminal to CD IC.
pin 50 : BUC K : O : Clock output terminal to CD IC.
pin 51 : CCE_ : O : Chip enable signal output terminal.
pin 52 : RST_ : O : Reset signal output to CD IC.
pin 53 : CHAK SW_ : IN : "L"= Disc is loaded and the Chuking Switch is ON.
pin 54 : TR A : IN : Photo sensor signal input.
pin 55 : TR B : IN : Photo sensor signal input.
pin 56 : TR C : IN : Photo sensor signal input.
pin 57 : MCCW : O : Loading motor control output. Ref. Table 3.
pin 58 : MCW : O : Loading motor control output. Ref. Table 3.
pin 59 : CD 8V : O : Power supply ON signal output for the Loading motor and the Photo sensors.
pin 60 : VCC : - : Positive supply voltage.

pin 61 : CD 5V_ : O : Power supply control signal output for the CD IC / DAC IC. "H"= OFF.
pin 62 : VSS : - : Ground.
pin 63 : MOTOR REM : O : Power supply ON signal output to Slope Mechanism motor.
pin 64 : MOTOR + : O : Slope Mechanism motor control signal output.
pin 65 : MOTOR - : O : Slope Mechanism motor control signal output.
pin 66 : ANGLE POSI : IN : Slope Mechanism Memory Angle Position signal input.
pin 67 : EJECT POSI : IN : Slope Mechanism Eject Position signal input.
pin 68 : N.C. : IN : Not in use.
pin 69 : NAVI MUTE : O : Mute signal output for the audio signal of Navigation.
pin 70 : N.C. : IN : Not in use.
pin 71 : 5V REM : O : 5V power supply ON signal output for Micro computer.
pin 72 : KEY ILL REM : O : Key illumination ON signal output.
pin 73 : N.C. : O : Not in use.
pin 74 : SYS MUTE_ : O : System mute signal output. Negative logic.
pin 75 : LINE MUTE : O : Mute signal output for Audio signal of Ce-NET.
pin 76 : BUS IN/OUT : O : Ce-NET audio bus select signal output.
pin 77 : SYS ACC : O : ACC detect signal output to slave micro computer.
pin 78 : AMP REM DET_ : IN : Output "L" when the remote line is shorted.
pin 79 : AMP REM OUT : O : Amplifier ON signal output terminal.
pin 80 : SOFT MUTE : O : Soft mute signal output terminal.
pin 81 : PHONE INT : IN : Telephone interrupt signal input.
pin 82 : N.C. : IN : Not in use.
pin 83 : N.C. : IN : Not in use.
pin 84 : FM SD : IN : FM station detect signal input.
pin 85 : AM SD : IN : AM station detect signal input.
pin 86 : RDS DATA : IN : RDS data input.
pin 87 : RDS DISCG : O : Discharge signal output of NOISE 1.
pin 88 : RDS MUTE : O : RDS mute signal output.
pin 89 : S METER : IN : RDS FM S meter signal input.
pin 90 : NOISE 1 : IN : RDS noise level detector input.
pin 91 : N.C. : IN : Not in use.
pin 92 : ILL DET_ : IN : Illumination ON signal input. Negative logic.
pin 93 : N.C. : IN : Not in use.
pin 94 : A VSS : - : Ground terminal for A/D converter.
pin 95 : KEY A/D : IN : Input terminal of A/D converter for Key judgment. Ref. Table 4.
pin 96 : VREF : IN : Reference voltage for A/D converter.
pin 97 : A VCC : - : Positive supply voltage for A/D converter.
pin 98 : N.C. : IN : Not in use.
pin 99 : N.C. : IN : Not in use.
pin100 : N.C. : IN : Not in use.

Table 1. Non fader volume control signal output

ATT	N-F 1 (pin37)	N-F 2 (pin38)	N-F 3 (pin39)
0	L	L	L
1	L	L	H
2	L	H	L
3	L	H	H
4	H	L	L
5	H	L	H
6	H	H	L
7	H	H	H

Table 2. Destination setting

	U.S.A.	Other	Japan	Europe
Initial 1 (pin40)	H	L	H	L
Initial 2 (pin41)	L	L	H	H

Table3.Loading motor control output

	Loading	Eject	Brake	Stop
MCW (pin 58)	H	L	H	L
MCCW (pin 57)	L	H	H	L

Table 4. Input of A/D converter for Key judgment (pin 95)

Judgment	A/D steps	
Eject key	0/256	to 25/256
Function key	26/256	to 51/256
With DCP (type A/B)	205/256	to 221/256
With DCP (Deck)	222/256	to 238/256
Without DCP	239/256	to 256/256

DRX9575Rz

1. Outward Form : 32 pins SOP

2. Terminal Description

pin 1 : A11	: Address signal input terminal.
pin 2 : A9	: Address signal input terminal.
pin 3 : A8	: Address signal input terminal.
pin 4 : A13	: Address signal input terminal.
pin 5 : A14	: Address signal input terminal.
pin 6 : A17	: Address signal input terminal.
pin 7 : WE_	: Wright enable signal input terminal. Negative logic.
pin 8 : VCC	: Positive supply voltage.
pin 9 : A18	: Address signal input terminal.
pin 10 : A16	: Address signal input terminal.
pin 11 : A15	: Address signal input terminal.
pin 12 : A12	: Address signal input terminal.
pin 13 : A7	: Address signal input terminal.
pin 14 : A6	: Address signal input terminal.
pin 15 : A5	: Address signal input terminal.
pin 16 : A4	: Address signal input terminal.
pin 17 : A3	: Address signal input terminal.
pin 18 : A2	: Address signal input terminal.
pin 19 : A1	: Address signal input terminal.
pin 20 : A0	: Address signal input terminal.
pin 21 : D0	: Data signal output terminal.
pin 22 : D1	: Data signal output terminal.
pin 23 : D2	: Data signal output terminal.
pin 24 : VSS	: Ground terminal.
pin 25 : D3	: Data signal output terminal.
pin 26 : D4	: Data signal output terminal.
pin 27 : D5	: Data signal output terminal.
pin 28 : D6	: Data signal output terminal.
pin 29 : D7	: Data signal output terminal.
pin 30 : CE_	: Chip enable signal input terminal. Negative logic.
pin 31 : A10	: Address signal input terminal.
pin 32 : OE_	: Output signal input terminal. Negative logic.

1. Outward Form : 100 pins QFP

2. Function : LCD display control, Key scan, Ce-NET communication

3. Terminal Description

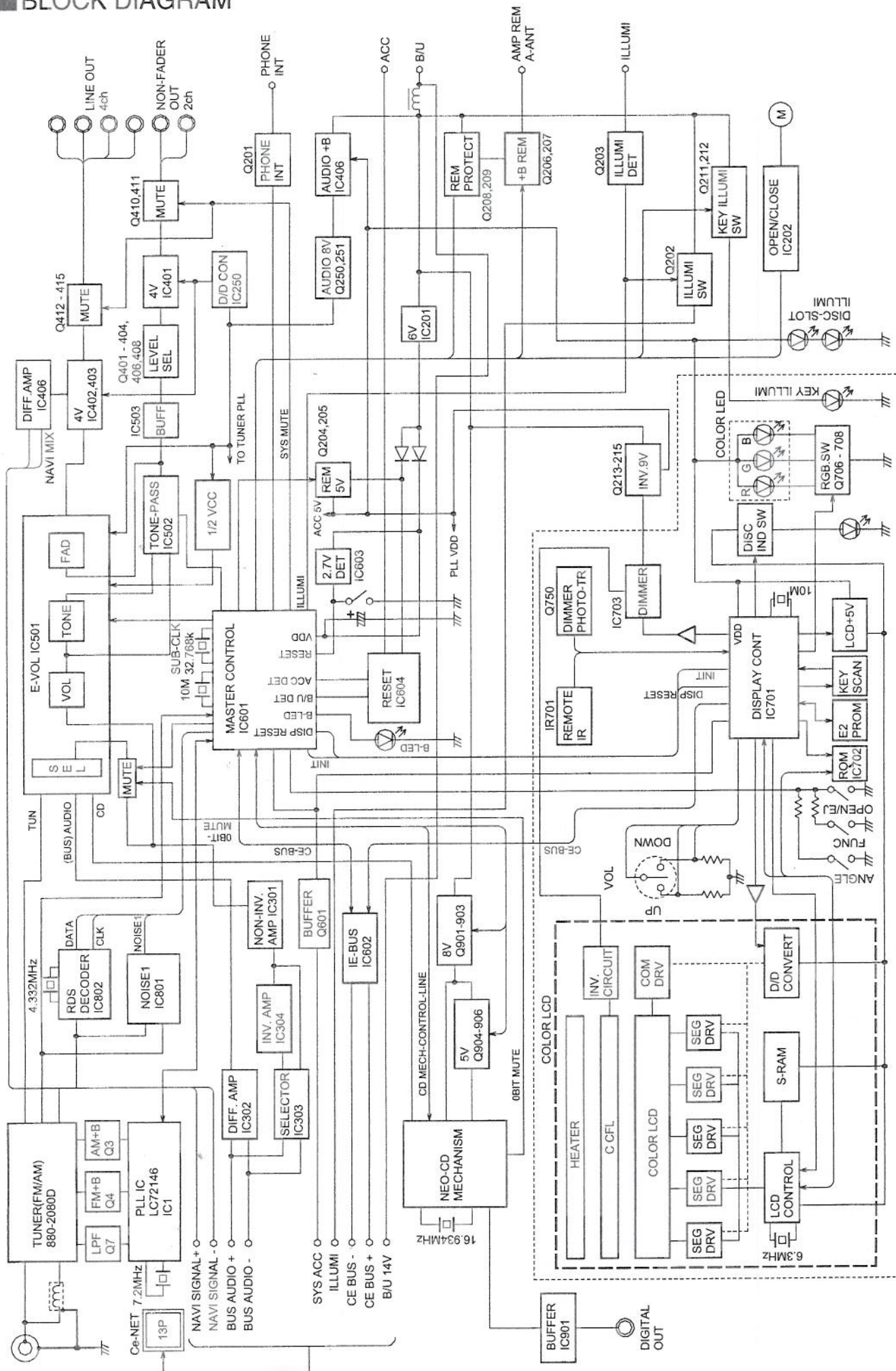
pin 1 : DIMMER CNT	: O : Back light brightness control signal output.
pin 2 : CONTRAST	: O : LCD Contrast control signal output. (Analog signal)
pin 3 : DISP 5V REM	: O : Power supply ON signal output for Display.
pin 4 : N.C.	: IN : Not in use.
pin 5 : REMOCON	: IN : Remote controller signal input terminal.
pin 6 : BYTE	: IN : Input "L" at single mode operation.
pin 7 : CNVSS	: IN : Input "L" at single mode operation.
pin 8 : INITIAL 1	: IN : Destination setting terminal. Ref. Table 1.
pin 9 : INITIAL 2	: IN : Destination setting terminal. Ref. Table 1.
pin 10 : RESET_	: IN : System reset input. Negative logic.
pin 11 : X OUT	: O : Crystal connection.
pin 12 : VSS	: - : Ground.
pin 13 : X IN	: IN : Crystal connection.
pin 14 : VCC	: - : Positive supply voltage.
pin 15 : N.C.	: IN : Not in use.
pin 16 : SYS ACC IN	: IN : ACC ON signal input.
pin 17 : N.C.	: IN : Not in use.
pin 18 : ILL DET	: IN : Illumination ON signal input.
pin 19 : 27pinCONNECT	: IN : Connect to 27pin.
pin 20 : LCD RESET	: O : LCD driver reset signal output.
pin 21 : INITIAL IN	: IN : EEPROM clear signal input.
pin 22 : LED RED	: O : Rainbow illumination control signal output.
pin 23 : LED GREEN	: O : Rainbow illumination control signal output.
pin 24 : LED BLUE	: O : Rainbow illumination control signal output.
pin 25 : N.C.	: IN : Not in use.
pin 26 : N.C.	: IN : Not in use.
pin 27 : IE BUS RX	: IN : IE Bus communication line.
pin 28 : IE BUS TX	: O : IE Bus communication line.
pin 29 : N.C.	: IN : Not in use.
pin 30 : JOG CCW	: IN : Jog switch rotation detect.
pin 31 : JOG CW	: IN : Jog switch rotation detect.
pin 32 : N.C.	: IN : Not in use.
pin 33 : PROM DO	: O : EEPROM Data output.

pin 34 : PROM DI	: IN : EEPROM Data input.
pin 35 : PROM SCK	: O : EEPROM Clock output.
pin 36 : PROM CS	: O : EEPROM Chip enable output.
pin 37 : LCD READY_	: O : LCD ready signal. Negative logic.
pin 38 : N.C.	: IN : Not in use.
pin 39 : N.C.	: IN : Not in use.
pin 40 : N.C.	: IN : Not in use.
pin 41 : N.C.	: IN : Not in use.
pin 42 : MEMR/IO_	: O : Display data read out signal. Negative logic.
pin 43 : N.C.	: IN : Not in use.
pin 44 : MEMW/IOW_	: O : Display data write in signal. Negative logic.
pin 45 : N.C.	: IN : Not in use.
pin 46 : LCD MEMCS	: O : Display RAM chip select signal output.
pin 47 : LCD IOCS	: O : Display Register chip select signal output.
pin 48 : LCD ROMCS	: O : External ROM chip select signal output.
pin 49 : ADDR19	: O : Address signal output terminal.
pin 50 : ADDR18	: O : Address signal output terminal.
pin 51 : ADDR17	: O : Address signal output terminal.
pin 52 : ADDR16	: O : Address signal output terminal.
pin 53 : ADDR15	: O : Address signal output terminal.
pin 54 : ADDR14	: O : Address signal output terminal.
pin 55 : ADDR13	: O : Address signal output terminal.
pin 56 : ADDR12	: O : Address signal output terminal.
pin 57 : ADDR11	: O : Address signal output terminal.
pin 58 : ADDR10	: O : Address signal output terminal.
pin 59 : ADDR9	: O : Address signal output terminal.
pin 60 : VCC	: - : Positive supply voltage.
pin 61 : ADDR8	: O : Address signal output terminal.
pin 62 : VSS	: - : Ground.
pin 63 : ADDR7	: O : Address signal output terminal.
pin 64 : ADDR6	: O : Address signal output terminal.
pin 65 : ADDR5	: - : Address signal output terminal.
pin 66 : ADDR4	: O : Address signal output terminal.
pin 67 : ADDR3	: O : Address signal output terminal.
pin 68 : ADDR2	: O : Address signal output terminal.
pin 69 : ADDR1	: O : Address signal output terminal.
pin 70 : ADDR0	: O : Address signal output terminal.
pin 71 : N.C.	: IN : Not in use.
pin 72 : N.C.	: IN : Not in use.
pin 73 : KO 5	: O : Key scan output terminal.
pin 74 : KO 4	: O : Key scan output terminal.
pin 75 : KO 3	: O : Key scan output terminal.
pin 76 : KO 2	: O : Key scan output terminal.
pin 77 : KO 1	: O : Key scan output terminal.
pin 78 : KO 0	: O : Key scan output terminal.
pin 79 : DATA 7	: I/O : Data bus terminal.
pin 80 : DATA 6	: I/O : Data bus terminal.
pin 81 : DATA 5	: I/O : Data bus terminal.
pin 82 : DATA 4	: I/O : Data bus terminal.
pin 83 : DATA 3	: I/O : Data bus terminal.
pin 84 : DATA 2	: I/O : Data bus terminal.
pin 85 : DATA 1	: I/O : Data bus terminal.
pin 86 : DATA 0	: I/O : Data bus terminal.
pin 87 : KI 3	: IN : Key scan input terminal.
pin 88 : KI 2	: IN : Key scan input terminal.
pin 89 : KI 1	: IN : Key scan input terminal.
pin 90 : KI 0	: IN : Key scan input terminal.
pin 91 : DISC IND	: O : Disc indicator LED On signal.
pin 92 : RAINBOW IN	: IN : Audio signal input terminal of built-in A/D converter, for the rainbow LED.
pin 93 : TEMP DET	: IN : Temperature signal input of built-in A/D converter.
pin 94 : A VSS	: - : Ground terminal for built-in A/D converter.
pin 95 : AUTO DIMM	: IN : Auto dimmer signal input.
pin 96 : VREF	: IN : Reference voltage terminal for built-in A/D converter.
pin 97 : AVCC	: - : Positive supply voltage terminal for built-in A/D converter.
pin 98 : N.C.	: IN : Not in use.
pin 99 : N.C.	: IN : Not in use.
pin100 : N.C.	: IN : Not in use.

Table 1. Destination setting

	U.S.A.	Other	Japan	Europe
INITIAL 1 (pin 8)	H	L	H	L
INITIAL 2 (pin 9)	L	L	H	H

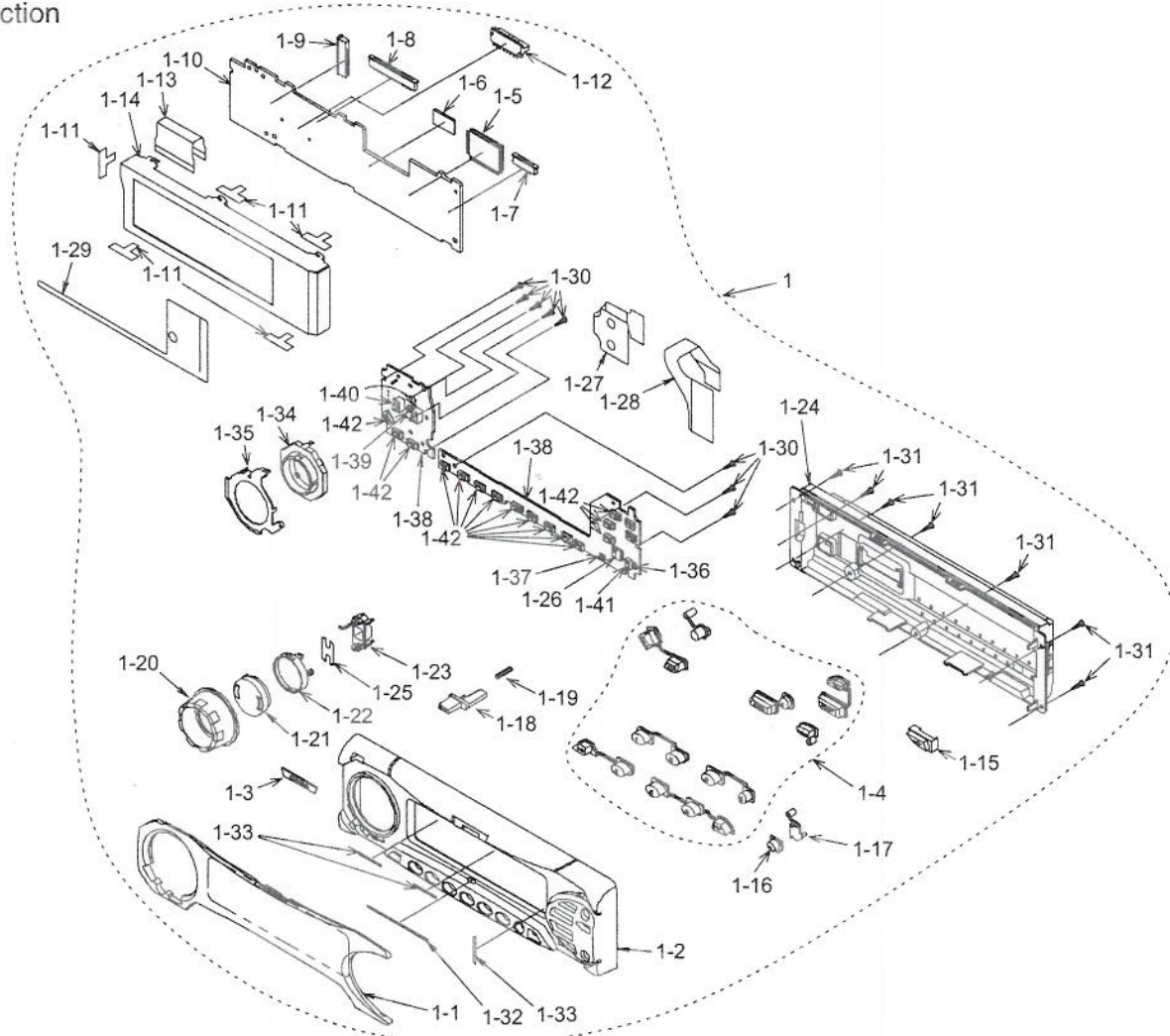
BLOCK DIAGRAM



DRX9575Rz

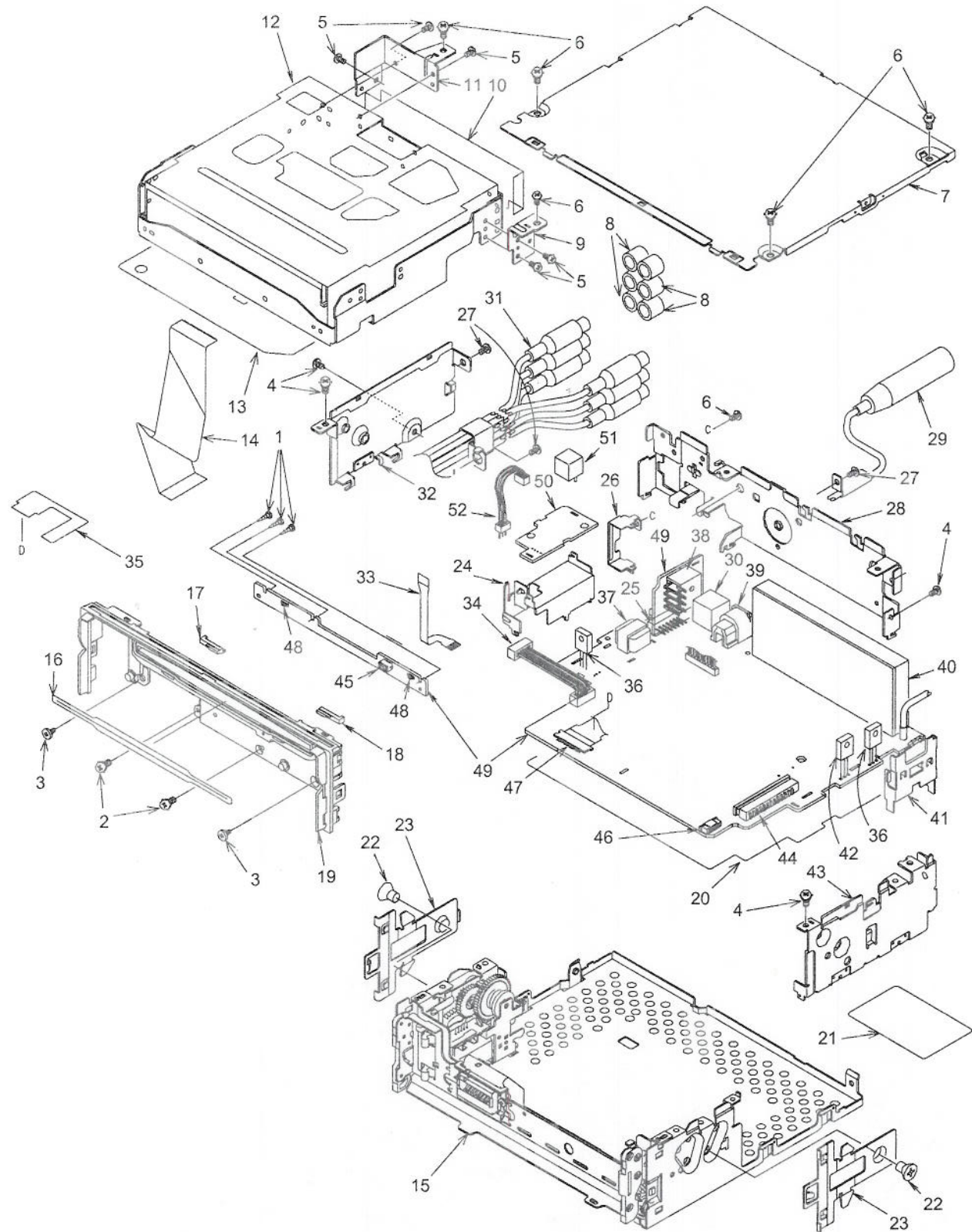
EXPLODED VIEW • PARTS LIST

DCP section



NO.	PART NO.	DESCRIPTION	Q'TY	NO.	PART NO.	DESCRIPTION	Q'TY
1	DCP-150-600	DCP ASSY	1	1-22	335-5830-00	BUTTON HOLDER	1
1-1	373-0898-00	DIAL-CVR	1	1-23	335-5831-00	BASE PLATE	1
1-2	370-5785-00	ESCUTCHEON	1	1-24	335-5893-00	REAR COVER	1
1-3	378-0515-00	BADGE(CLARION)	1	1-25	347-5951-10	REFLECTOR(SRCH)	1
1-4	947-0484-00	BUTTON ASSY	1	1-26	060-4008-00	IR-RECEIVER	1
1-5	052-7042-00	MICOM(LC374500)	1	1-27	039-1389-00	FLEX PWB(JOG/15P) (WITHOUT COMPONENT)	1
1-6	052-7041-01	MICOM(M30620MC)	1	1-28	039-1390-00	FLEX PWB(19P) (WITHOUT COMPONENT)	1
1-7	074-1201-69	OUTLET SOCKET(19P)	1	1-29	347-5978-00	FILM	1
1-8	074-1189-00	OUTLET SOCKET(50P)	1	1-30	716-0872-00	PAD SCREW(M1.7X5)	8
1-9	074-1138-65	OUTLET SOCKET(15P)	1	1-31	716-0872-12	PAD SCREW(M1.7X8)	7
1-10	039-1410-00	SWITCH PWB (WITHOUT COMPONENT)	1	1-32	347-6019-00	DOUBLE FACE(1.3X40)	1
1-11	347-5991-00	INSULATOR	6	1-33	347-6020-00	DOUBLE FACE(1.3X15)	3
1-12	076-0616-00	PLUG(DCP)	1	1-34	013-8001-00	JOG ROTARY SWITCH	1
1-13	816-2482-00	FLAT WIRE	1	1-35	331-2580-00	JOG SW HOLDER	1
1-14	379-0453-01	INDICATOR(LCD)	1	1-36	001-7011-02	LED(CL-150YG)	1
1-15	335-5886-00	IR FILTER	1	1-37	001-7011-03	LED(CL-150D)	1
1-16	382-5205-00	BUTTON(OPEN)	1	1-38	039-1411-00	SWITCH SUB PWB (WITHOUT COMPONENT)	1
1-17	335-5885-00	BUTTON HOLDER	1	1-39	001-7039-00	LED(NSCM310A)	1
1-18	382-5215-00	BUTTON(RELEASE)	1	1-40	013-6302-50	SWITCH	2
1-19	750-3365-00	SPRING	1	1-41	013-6507-50	LUMI SWITCH	1
1-20	380-5436-01	JOG DIAL	1	1-42	013-6504-00	LUMI SWITCH	17
1-21	382-5142-01	BUTTON(SRCH)	1				

Main section

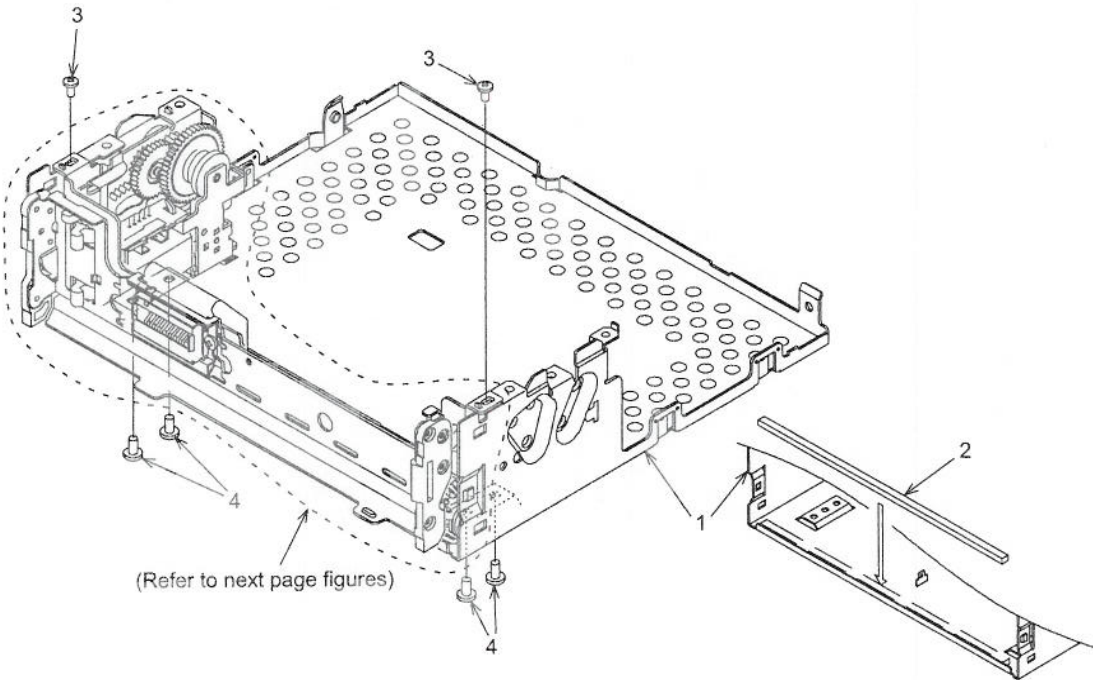


NO.	PART NO.	DESCRIPTION	Q'TY	NO.	PART NO.	DESCRIPTION	Q'TY
1	716-0872-00	PAD SCREW(M1.7×5)	3	8	345-3799-00	RUBBER CAP	6
2	780-2005-00	SCREW(M2×5)	2	9	331-2364-00	CD-SUB-BRKT(RIGHT)	1
3	716-1833-00	SPACER SCREW(M2.3×1.3)	2	10	347-5993-00	INSULATOR	1
4	731-2606-80	TAPTIGHT(M2.6×6)	4	11	331-2365-00	CD-SUB-BRKT(REAR)	1
5	716-0717-10	STEEL SCREW(M2.3×3)	5	12	929-0069-82	CD MECHANISM	1
6	731-3006-80	TAPTIGHT(M3×6)	6	13	347-5916-11	INSULATOR	1
7	303-0466-02	UPPER-CVR	1	14	816-2391-00	FLAT CABLE	1

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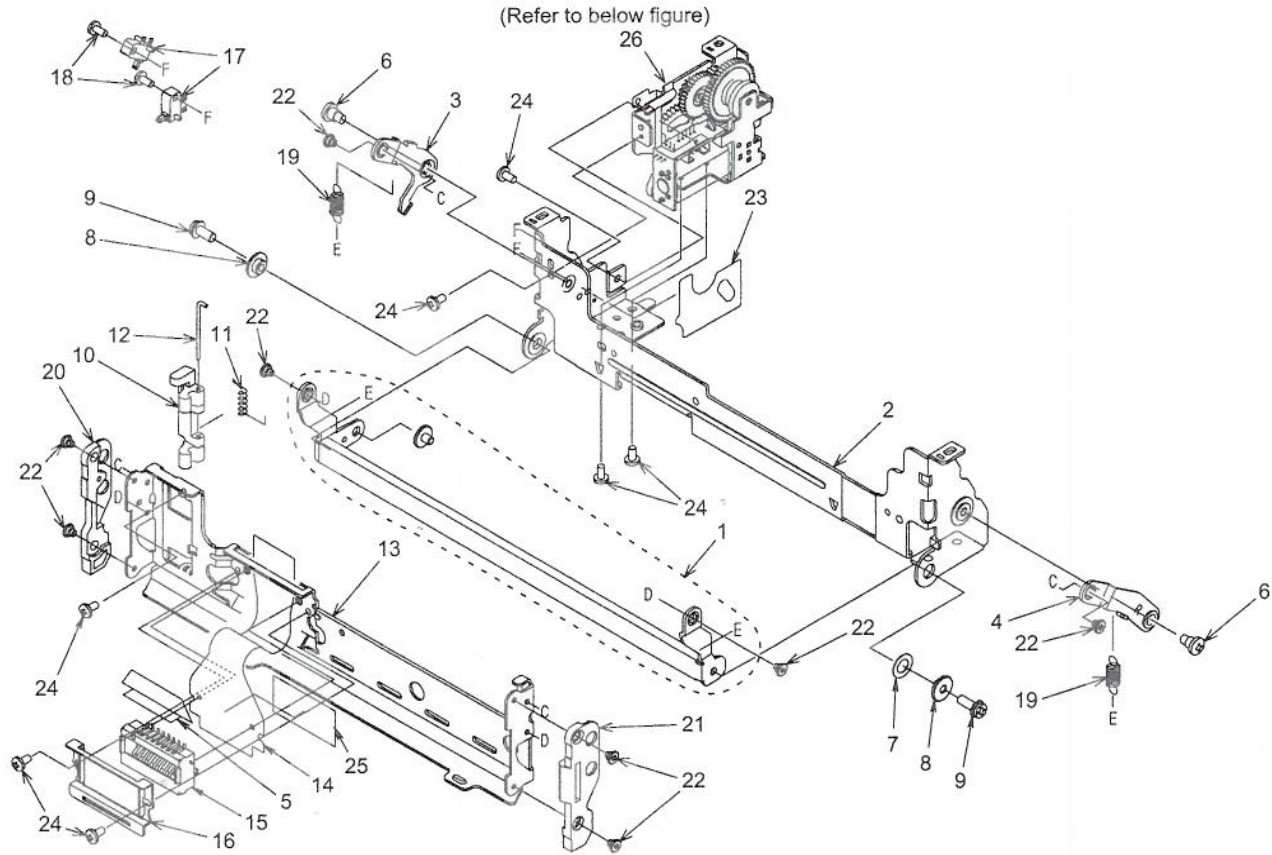
NO.	PART NO.	DESCRIPTION	Q'TY	NO.	PART NO.	DESCRIPTION	Q'TY
15	-----	LOWER CASE ASSY	1	35	347-5992-00	SHIELD-SHEET	1
16	346-0104-00	LEATHER SHEET(CD-IN)	1	36	102-3420-50	TRANSISTOR(2SC3420GR)	2
17	335-5894-00	ILLUMI PLATE(L)	1	37	009-9008-80	CHOKE	1
18	335-5895-00	ILLUMI PLATE(R)	1	38	074-1023-08	OUTLET SOCKET(8P)	1
19	370-5787-00	INNER ESCUTCHEON	1	39	075-0305-00	JACK(DIGITAL-OUT)	1
20	347-5979-00	INSULATOR	1	40	880-2080D	TUNER(FM/AM)	1
21	286-9189-00	SET PLATE	1	41	313-1675-00	HEAT SINK	1
22	714-5008-41	MACHINE SCREW(M5X8)	2	42	101-1143-00	TRANSISTOR(2SB1143)	1
23	750-3137-00	SPRING	2	43	305-0268-00	SIDE-CVR(RIGHT)	1
24	331-2586-00	BASE CASE	1	44	074-0986-26	OUTLET SOCKET(26P)	1
25	076-0390-06	PLUG(6P)	1	45	013-6302-51	SWITCH(RESET)	1
26	331-2581-00	CONNECTOR HOLDER	1	46	074-1048-06	OUTLET SOCKET(6P)	1
27	731-3006-80	TAPTIGHT(M3X6)	3	47	074-1049-14	OUTLET SOCKET(14P)	1
28	307-0624-00	REAR COVER	1	48	001-7011-92	LED	2
29	092-0710-00	ANT RECEPTACLE	1	49	039-1408-00	MAIN PWB (WITHOUT COMPONENT)	1
30	074-1194-00	OUTLET SOCKET(Ce-NET)	1	50	039-1409-00	DD CON PWB (WITHOUT COMPONENT)	1
31	855-5424-80	RCA PIN CORD	1	51	331-2686-00	SHIELD CASE	1
32	305-0267-00	SIDE-CVR(LEFT)	1	52	854-4446-80	EXTENSION LEAD(3P)	1
33	039-1406-00	FLEX PWB(INNER-ESC) (WITHOUT COMPONENT)	1				
34	854-4445-80	EXTENSION LEAD(MOTOR 5P)	1				

Lower case assy section



NO.	PART NO.	DESCRIPTION	Q'TY
1	311-1732-02	LOWER CASE	1
2	345-8116-00	INSULATOR	1
3	714-2004-87	MACHINE SCREW(M2X4)	2
4	714-2603-81	MACHINE SCREW(M2.6X3)	4

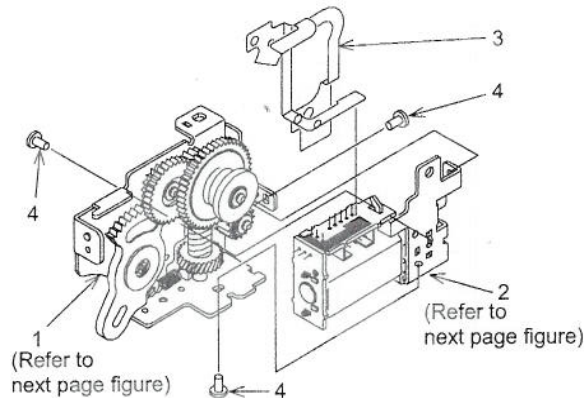
Slope mechanism assy section



NO.	PART NO.	DESCRIPTION	Q'TY
1	946-0076-00	LEVER-ASSY	1
2	309-0717-00	FRONT PLATE	1
3	331-2583-00	LEVER-UP(L)	1
4	331-2584-00	LEVER-UP(R)	1
5	347-5980-00	SHADE	1
6	716-1832-00	SCREW(M2.6×2)	2
7	746-0903-00	WASHER	1
8	341-1657-00	LEVER-LO-SPACER	2
9	716-1826-00	SCREW(M2.6×8)	2
10	335-5887-00	HOOK	1
11	750-3366-00	SPRING	1
12	341-1697-00	SHAFT	1
13	331-2589-00	DCP-HOLDER	1
14	039-1391-00	FLEX PWB(DCP) (WITHOUT COMPONENT)	1

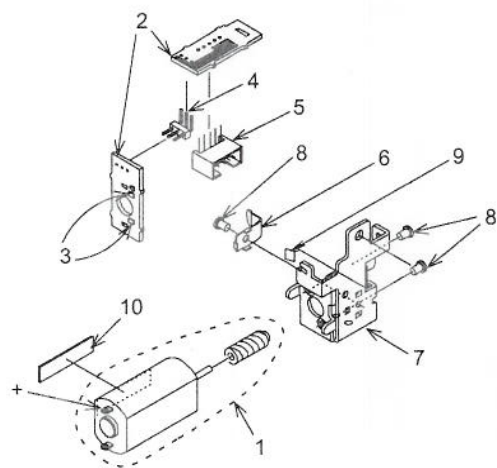
NO.	PART NO.	DESCRIPTION	Q'TY
15	074-1220-00	OUTLET SOCKET	1
16	331-2582-00	CONNECTOR-CVR	1
17	013-3879-01	DETECTOR SWITCH	2
18	716-1742-00	SCREW(M2×5)	2
19	750-3303-00	SPRING	2
20	335-5896-00	ARM COVER	1
21	335-5897-00	ARM COVER	1
22	716-1715-02	DECO-SCREW(M2×1.4)	8
23	347-5981-00	INSULATOR	1
24	716-1468-00	DECO-SCREW(M2×2.5)	7
25	347-6033-00	DOUBLE FACE	1
26	-----	GEAR ASSY	1

Gear assy section



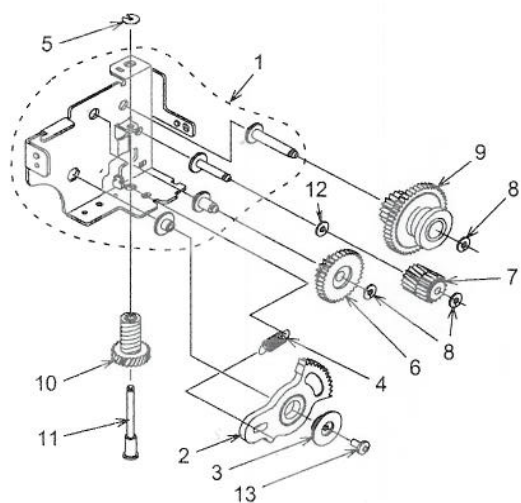
NO.	PART NO.	DESCRIPTION	Q'TY
1	-----	GEAR SUB ASSY	1
2	-----	MOTOR PWB ASSY	1
3	039-1163-00	FLEX PWB (WITHOUT COMPONENT)	1
4	716-1468-00	SCREW(M2×2.5)	3

Motor PWB assy section

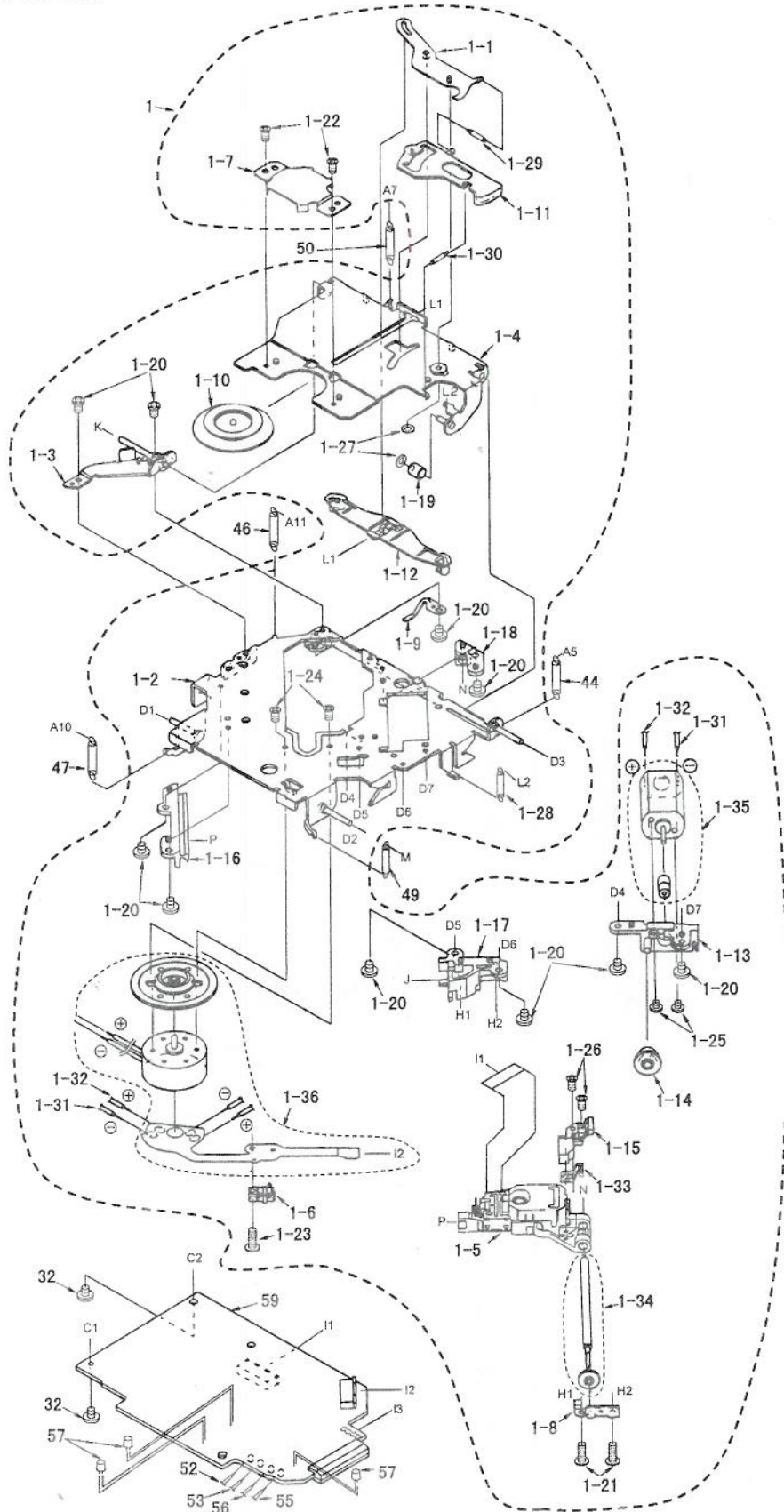


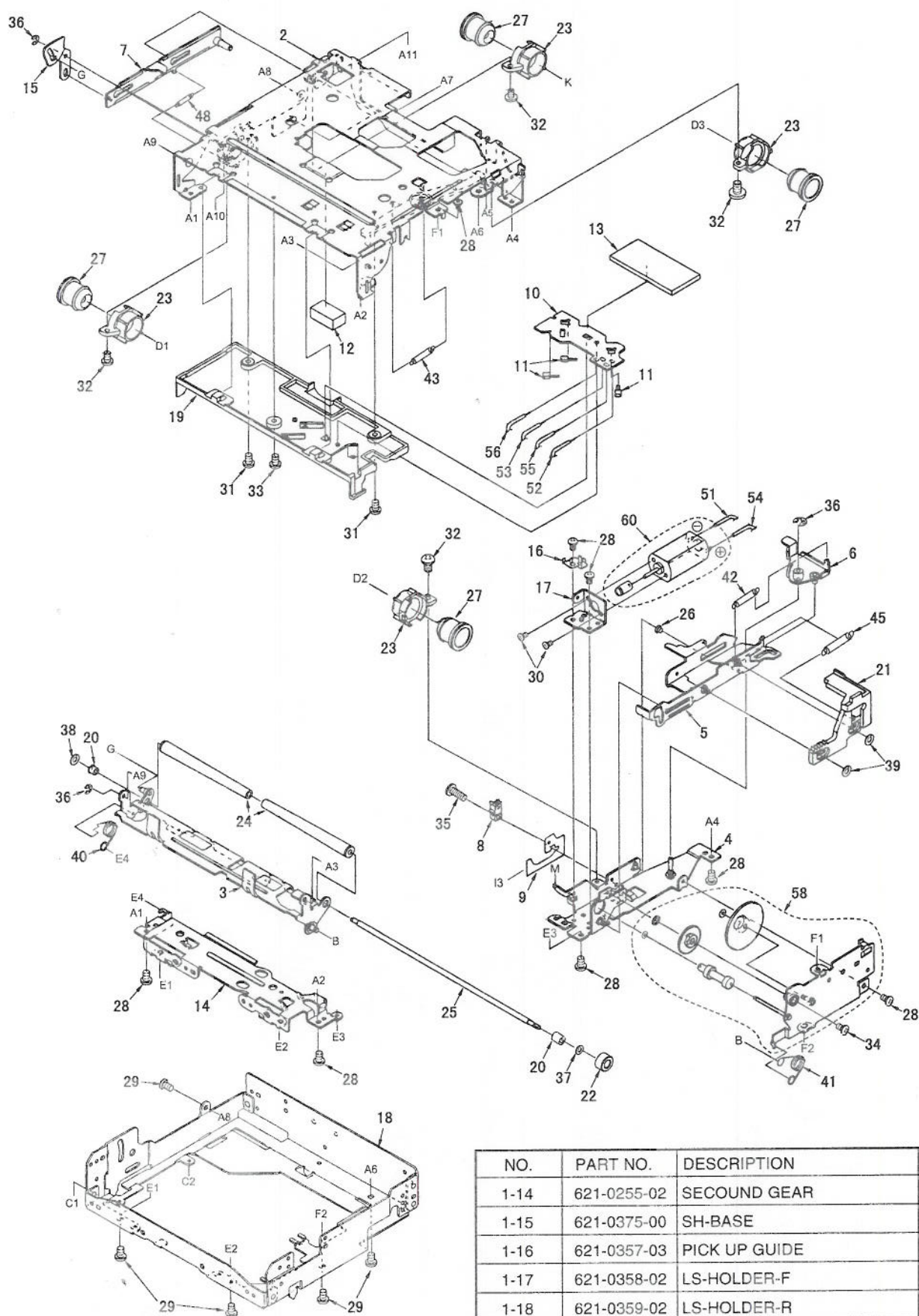
NO.	PART NO.	DESCRIPTION	Q'TY
1	948-0468-00	MOTOR-ASSY	1
2	039-1191-00	MOTOR PWB (WITHOUT COMPONENT)	1
3	176-2221-00	CERAMIC-C(2200pF)	2
4	076-0324-03	PLUG(3P)	1
5	076-0374-05	PLUG(5P)	1
6	750-3300-01	SPRING	1
7	331-2316-01	MOTOR-HOLDER	1
8	716-1468-00	SCREW(M2×2.5)	3
9	347-6027-00	SPACER-SHEET	1
10	345-8106-00	INSULATOR	1

Gear sub assy section



NO.	PART NO.	DESCRIPTION	Q'TY
1	946-0067-01	GEAR-BOX-ASSY	1
2	613-0665-00	ARM-GEAR	1
3	341-1658-00	GEAR-SPACER	1
4	750-3304-00	SPRING	1
5	746-0910-00	WASHER(2ND-SHAFT)	1
6	613-0666-00	IDLER-GEAR	1
7	613-0664-00	INPUT-GEAR	1
8	746-0827-01	WASHER(GEAR-STOP)	3
9	947-0452-00	T-LIM-GEAR ASSY	1
10	613-0663-00	2ND-WORM-GEAR	1
11	341-1650-02	SHAFT	1
12	746-0625-00	WASHER(INPUT-GEAR)	1
13	716-1742-00	SCREW(M2×5)	1





NO.	PART NO.	DESCRIPTION	Q'TY
1-10	621-0205-02	CLAMPER RING	1
1-11	621-0251-03	LOCK LINK	1
1-12	621-0252-03	DISC STOPPER	1
1-13	621-0253-01	MOTOR HOLDER	1

NO.	PART NO.	DESCRIPTION	Q'TY
1-14	621-0255-02	SECOND GEAR	1
1-15	621-0375-00	SH-BASE	1
1-16	621-0357-03	PICK UP GUIDE	1
1-17	621-0358-02	LS-HOLDER-F	1
1-18	621-0359-02	LS-HOLDER-R	1
1-19	622-1073-02	CLAMPER ROLLER	1
1-20	714-2003-81	MACHINE SCREW(M2X3)	10
1-21	716-0675-00	SCREW(M2X5.5)	2
1-22	716-1468-00	SCREW(M2X2.5)	2
1-23	716-1555-00	WAVE SCREW(Φ2X8)	1
1-24	716-1733-00	SCREW(M1.7X2.3)	2
1-25	732-2004-11	SEMS SCREW(M2X4)	2

NO.	PART NO.	DESCRIPTION	Q'TY	NO.	PART NO.	DESCRIPTION	Q'TY
1-26	739-1735-17	SCREW(M1.7X3.5)	2	26	622-1219-01	SHIFT ROLLER	1
1-27	746-0761-00	WASHER	2	27	629-0058-00	DAMPER-VA	4
1-28	750-3097-03	CLAMPER SPRING	1	28	714-2003-81	MACHINE SCREW(M2X3)	8
1-29	750-3098-00	L-LINK SPRING	1	29	714-2603-81	MACHINE SCREW(M2.6X3)	5
1-30	750-3099-00	ES-SPRING	1	30	716-1468-00	SCREW(M2X2.5)	2
1-31	816-2372-00	LEAD(BLUE)	1	31	716-1507-00	SCREW(M2X3)	2
1-32	816-2373-00	LEAD(WHITE)	1	32	716-1670-00	SCREW(M2X4)	6
1-33	966-0454-00	SH-RACK-ASSY	1	33	716-1677-00	SCREW(M2X5)	1
1-34	HBS-432-100	LS-GEAR-ASSY	1	34	716-1704-00	SCREW(M2X7)	1
1-35	SMA-146-100	SLED MOTOR-ASSY	1	35	716-1742-00	SCREW(M2X5)	1
1-36	SMA-151-100	SPINDLE MOTOR-ASSY	1	36	743-1500-10	E-RING	3
2	966-0308-10	CHASSIS-ASSY	1	37	746-0712-03	WASHER	1
3	966-0309-05	L-DISC-G-ASSY	1	38	746-0762-00	WASHER	1
4	966-0310-06	SFT-P-CH-ASSY	1	39	746-0877-02	WASHER	2
5	966-0312-06	SHIFT-P-ASSY	1	40	750-3090-02	RO-SPRING-L	1
6	966-0358-01	DRIVE-L-PL-ASSY	1	41	750-3091-03	RO-SPRING-R	1
7	966-0359-03	SIDE-L-PL-ASSY	1	42	750-3092-03	SHIFT SPRING	1
8	013-3879-01	CHUCKING SWITCH	1	43	750-3094-00	S-ARM SPRING	1
9	039-0586-01	CHUCKING SWITCH PWB (WITHOUT COMPONENT)	1	44	750-3096-01	DR-SPRING-R	1
10	039-0588-01	SENSOR PWB (WITHOUT COMPONENT)	1	45	750-3098-00	L-LINK SPRING	1
11	060-0252-01	PHOTO-TR (PT4850F)	3	46	750-3164-00	DR-SPRING-LR	1
12	345-7513-01	CLAMPER SHEET	1	47	750-3188-00	DR-SPRING-F-B	1
13	345-7514-00	S-PWB-SHEET	1	48	750-3189-00	SIDE-L-SPRING	1
14	620-0485-04	FRONT PLATE	1	49	750-3201-00	DR-SPRING-F-R	1
15	620-0488-01	S-L-LINK PLATE	1	50	750-3202-00	CENTER SPRING-B	1
16	620-0489-01	MOTOR PLATE	1	51	800-4904-60	VINYL-COAT-WIRE(BLK)	1
17	620-0492-01	MOTOR BRACKET	1	52	800-4910-60	VINYL-COAT-WIRE(BLK)	1
18	620-0773-01	MECH-BRACKET	1	53	801-4910-60	VINYL-COAT-WIRE(BRN)	1
19	621-0402-01	U-DISC GUIDE-F	1	54	802-4904-60	VINYL-COAT-WIRE(RED)	1
20	621-0243-02	ROLLER SLEEVE	2	55	802-4910-60	VINYL-COAT-WIRE(RED)	1
21	621-0248-07	RACK GEAR	1	56	804-4910-60	VINYL-COAT-WIRE(YEL)	1
22	621-0249-02	ROLLER GEAR	1	57	001-0563-00	LED	3
23	621-0250-01	DAMPER HOLDER	4	58	HBS-430-100	GEAR-PLATE-ASSY	1
24	621-0258-03	LOADING ROLLER	2	59	039-1088-02	MECHANISM PWB (WITHOUT COMPONENT)	1
25	622-1072-05	ROLLER SHAFT	1	60	SMA-147-100	LOADING MOTOR-ASSY	1

■ ELECTRICAL PARTS LIST

Note) Several different parts of the same reference number are alternative parts.
One of those parts is used in the set.

Main PWB section(B1)

REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION
C1	176-1801-00	18pF CH	C21	176-1011-00	100pF CH	C47	178-2232-78	0.022 μ F
C2	178-1032-78	0.01 μ F	C22	176-1011-00	100pF CH	C48	178-2232-78	0.022 μ F
C3	178-1032-78	0.01 μ F	C30	183-1073-21	10V100 μ F	C49	178-5612-78	560pF
C5	042-0592-73	50V 1 μ F	C31	178-2232-78	0.022 μ F	C201	183-1063-31	16V10 μ F
C6	178-6822-78	6800pF	C32	176-2211-00	220pF CH	C202	178-4732-78	0.047 μ F
C7	183-4763-31	16V47 μ F	C33	178-1022-78	1000pF	C203	172-4731-11	0.047 μ F
C8	178-1522-78	1500pF	C34	178-2232-78	0.022 μ F	C204	183-4763-31	16V47 μ F
C9	178-2232-78	0.022 μ F	C35	176-2211-00	220pF CH	C205	178-1032-78	0.01 μ F
C10	178-4732-78	0.047 μ F	C36	176-1011-00	100pF CH	C207	183-1063-31	16V10 μ F
C11	178-3332-78	0.033 μ F	C39	178-1032-78	0.01 μ F	C208	042-0505-06	16V1 μ F
C12	178-3332-78	0.033 μ F	C40	178-1042-78	0.1 μ F	C209	042-0423-02	6.3V4.7 μ F
C14	178-1222-78	1200pF	C41	178-1032-78	0.01 μ F	C250	183-1073-21	10V100 μ F
C15	178-8222-78	8200pF	C42	176-2211-00	220pF CH	C251	183-1063-31	16V10 μ F
C16	176-1501-00	15pF CH	C43	178-2232-78	0.022 μ F	C252	178-4732-78	0.047 μ F
C17	176-1801-00	18pF CH	C44	042-0592-73	50V 1 μ F	C261	172-1041-11	0.1 μ F
C18	176-1011-00	100pF CH	C45	178-1032-78	0.01 μ F	C262	184-4773-32	16V470 μ F
C19	176-1011-00	100pF CH	C46	176-2211-00	220pF CH	C301	042-0592-58	16V 10 μ F

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REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION
C302	042-0592-58	16V 10 μ F	C528	042-0592-58	16V 10 μ F	IC301	051-3030-90	MC33079D
C303	042-0592-59	16V22 μ F	C529	042-0592-58	16V 10 μ F	IC302	051-3029-90	MC33078D
C304	042-0592-58	16V 10 μ F	C530	042-0592-58	16V 10 μ F	IC303	051-7247-08	74HC4066DT
C305	042-0592-58	16V 10 μ F	C531	042-0592-58	16V 10 μ F	IC304	051-3028-90	MC4558ID
C306	042-0592-74	50V 2.2 μ F	C532	042-0592-58	16V 10 μ F	IC401	051-3029-90	MC33078D
C307	042-0592-74	50V 2.2 μ F	C533	042-0592-58	16V 10 μ F	IC402	051-3029-90	MC33078D
C308	042-0592-58	16V 10 μ F	C534	042-0592-58	16V 10 μ F	IC403	051-3029-90	MC33078D
C309	042-0592-58	16V 10 μ F	C535	042-0592-58	16V 10 μ F	IC406	051-3028-90	MC4558ID
C310	176-1201-00	12pF CH	C601	183-1063-31	16V10 μ F	IC501	051-5008-00	M62419FP
C311	176-1201-00	12pF CH	C602	178-1042-78	0.1 μ F	IC502	051-7247-08	74HC4066DT
C312	042-0592-58	16V 10 μ F	C603	178-1042-78	0.1 μ F	IC503	051-3029-90	MC33078D
C313	042-0592-58	16V 10 μ F	C604	042-0577-00	6.3V100 μ F	IC601	052-3349-01	M30620MC-345GP
C314	042-0592-58	16V 10 μ F	C605	042-0596-00	5.5V0.33F	IC602	051-6600-38	CA0008AM
C315	042-0592-58	16V 10 μ F	C606	178-1032-78	0.01 μ F	IC603	051-5415-08	MC33464N-27ATR
C316	176-1201-00	12pF CH	C607	176-1801-00	18pF CH	IC604	051-5416-08	PCF1252-2T
C317	176-1201-00	12pF CH	C608	176-1801-00	18pF CH	IC801	051-3028-90	MC4558ID
C318	042-0592-58	16V 10 μ F	C610	178-1032-78	0.01 μ F	IC802	051-1819-50	TDA7479D
C319	042-0592-58	16V 10 μ F	C611	178-1022-78	1000pF	IC901	051-7221-38	74V1G04S
C320	042-0592-58	16V 10 μ F	C613	176-1011-00	100pF CH	J250	074-1023-08	8P
C321	042-0592-58	16V 10 μ F	C614	178-1022-78	1000pF	J601	074-1194-00	13P CE-NET
C330	176-2201-00	22pF CH	C615	042-0505-01	10V22 μ F	J602	074-1049-14	14P
C331	176-2201-00	22pF CH	C616	178-1032-78	0.01 μ F	J603	074-1048-06	6P
C332	176-3301-00	33pF CH	C640	178-1032-78	0.01 μ F	J901	074-0986-26	26P
C333	176-3301-00	33pF CH	C641	178-1022-78	1000pF	L1	010-4007-00	30 μ H
C401	042-0592-58	16V 10 μ F	C642	176-1011-00	100pF CH	L2	010-2230-88	220 μ H
C402	042-0592-58	16V 10 μ F	C643	178-4732-78	0.047 μ F	L501	010-2199-40	220 μ H J
C403	042-0592-74	50V 2.2 μ F	C801	178-2232-78	0.022 μ F	L601	010-2230-64	2.2 μ H
C404	042-0592-74	50V 2.2 μ F	C802	178-5612-78	560pF	L602	010-2230-64	2.2 μ H
C405	042-0592-50	6.3V 22 μ F	C803	178-5612-78	560pF	L603	010-2230-64	2.2 μ H
C406	042-0592-50	6.3V 22 μ F	C804	178-2232-78	0.022 μ F	L801	010-2199-40	220 μ H J
C407	042-0592-74	50V 2.2 μ F	C805	178-1032-78	0.01 μ F	L901	010-2285-12	BLM11A601SPB
C408	042-0592-74	50V 2.2 μ F	C806	183-2253-62	50V2.2 μ F	L902	010-2285-12	BLM11A601SPB
C409	042-0592-74	50V 2.2 μ F	C807	178-3312-78	330pF	L903	010-2285-12	BLM11A601SPB
C410	042-0592-74	50V 2.2 μ F	C810	176-8201-00	82pF CH	L904	010-2285-17	BLM11P600SPB
C411	042-0592-50	6.3V 22 μ F	C811	176-4701-00	47pF CH	P901	075-0305-00	DIGITAL OUT
C412	042-0592-50	6.3V 22 μ F	C812	176-1007-00	10pF CH	Q1	103-1306-00	2SD1306
C413	042-0592-50	6.3V 22 μ F	C901	183-1063-31	16V10 μ F	Q2	125-0002-03	RN2403
C414	042-0592-50	6.3V 22 μ F	C902	042-0505-01	10V22 μ F	Q3	100-1162-00	2SA1162
C420	042-0592-58	16V 10 μ F	C903	183-1063-31	16V10 μ F	Q4	100-1298-00	2SA1298
C430	176-2201-00	22pF CH	C904	183-4763-31	16V47 μ F	Q5	100-1162-00	2SA1162
C431	176-2201-00	22pF CH	C905	178-1022-78	1000pF	Q6	125-2004-03	RN1403
C432	176-2201-00	22pF CH	C906	178-1032-78	0.01 μ F	Q7	108-0669-00	2SK669
C433	176-2201-00	22pF CH	C907	178-1022-78	1000pF	Q201	100-1162-00	2SA1162
C434	176-2201-00	22pF CH	C908	178-1022-78	1000pF	Q202	100-1298-00	2SA1298
C435	176-2201-00	22pF CH	D1	001-0516-00	MA111	Q203	102-2712-00	2SC2712
C436	176-2211-00	220pF CH	D101	001-7011-02	CL-150YG-CD	Q204	100-1298-00	2SA1298
C450	178-1022-78	1000pF	D103	001-7011-02	CL-150YG-CD	Q205	125-2004-06	RN1406
C451	178-1022-78	1000pF	D201	001-0516-00	MA111	Q206	100-1416-00	2SA1416
C501	042-0592-74	50V 2.2 μ F	D202	001-0516-00	MA111	Q207	125-2004-03	RN1403
C502	042-0592-71	50V0.33 μ F	D203	001-0516-00	MA111	Q208	100-1162-00	2SA1162
C503	042-0592-74	50V 2.2 μ F	D204	001-0589-00	1SS145	Q209	102-2712-00	2SC2712
C504	043-0264-13	0.01 μ F	D205	001-0466-01	S5688G	Q211	100-1298-00	2SA1298
C505	043-0264-13	0.01 μ F	D206	001-0516-00	MA111	Q212	125-2004-03	RN1403
C506	042-0592-58	16V 10 μ F	D208	001-0466-00	S5688B	Q213	100-1416-00	2SA1416
C507	042-0592-58	16V 10 μ F	D209	001-0466-00	S5688B	Q214	125-2004-03	RN1403
C508	042-0592-58	16V 10 μ F	D211	001-0377-48	MA4091H	Q215	103-1802-60	2SD1802FA-R.S.T
C509	042-0592-66	35V 4.7 μ F	D212	001-0503-44	HZS9 A2L	Q216	103-1802-60	2SD1802FA-R.S.T
C510	042-0592-66	35V 4.7 μ F	D250	001-0503-46	HZS9B2L	Q217	125-0002-02	RN2402
C511	042-0592-58	16V 10 μ F	D252	001-0188-01	1S1885A	Q218	125-2004-03	RN1403
C512	176-2701-00	27pF CH	D301	001-2406-90	1PS226	Q219	100-1162-00	2SA1162
C513	176-1811-00	180pF CH	D401	001-2405-90	1PS184	Q220	125-2004-03	RN1403
C514	176-1811-00	180pF CH	D402	001-2406-90	1PS226	Q225	101-1143-00	2SB1143
C515	176-2701-00	27pF CH	D403	001-0377-45	MA4082H	Q250	108-0241-50	2SK241Y.GR
C516	042-0592-66	35V 4.7 μ F	D602	001-0516-00	MA111	Q251	102-3420-50	2SC3420GR.BL
C517	042-0592-66	35V 4.7 μ F	D603	001-0516-00	MA111	Q301	125-2004-06	RN1406
C518	042-0592-59	16V22 μ F	D604	001-0516-00	MA111	Q302	103-1306-00	2SD1306
C519	042-0592-59	16V22 μ F	D605	001-0528-47	MA8091-M	Q303	103-1306-00	2SD1306
C520	178-6832-78	0.068 μ F	D801	001-2406-90	1PS226	Q304	125-0002-06	RN2406
C521	178-6832-78	0.068 μ F	D901	001-0503-45	HZS9B1L	Q305	125-0002-06	RN2406
C522	043-0296-01	0.056 μ F	D902	001-0503-32	HZS6A3L	Q306	103-1306-00	2SD1306
C523	043-0296-01	0.056 μ F	D904	001-2405-90	1PS184	Q307	103-1306-00	2SD1306
C524	043-0264-10	4700pF	D906	001-2406-90	1PS226	Q308	125-2004-03	RN1403
C525	043-0264-10	4700pF	IC1	051-6201-00	LC72146M	Q401	125-0002-02	RN2402
C526	043-0264-10	4700pF	IC201	051-3201-00	AN77L06	Q402	125-0002-02	RN2402
C527	043-0264-10	4700pF	IC202	051-6038-08	TLE4207G-GEG	Q403	125-0002-02	RN2402

REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION
Q404	125-2030-00	RN1410	R221	117-2231-10	1/10W 22kΩ	R414	117-3631-10	1/10W 36kΩ
Q405	125-2030-00	RN1410	R222	111-1521-91	1/4WS 1.5kΩ	R415	117-1031-10	1/10W 10kΩ
Q406	125-2030-00	RN1410	R224	117-1031-10	1/10W 10kΩ	R416	117-1031-10	1/10W 10kΩ
Q407	125-2030-00	RN1410	R225	117-1031-10	1/10W 10kΩ	R417	117-2231-10	1/10W 22kΩ
Q408	125-2030-00	RN1410	R226	117-1031-10	1/10W 10kΩ	R418	117-2231-10	1/10W 22kΩ
Q409	125-2030-00	RN1410	R227	032-0104-67	1/4W 1.2kΩ	R419	117-3311-10	1/10W 330Ω
Q410	103-1306-00	2SD1306	R228	032-0104-52	1/4W 12Ω	R420	117-3311-10	1/10W 330Ω
Q411	103-1306-00	2SD1306	R229	032-0104-52	1/4W 12Ω	R421	117-1021-10	1/10W 1kΩ
Q412	103-1306-00	2SD1306	R230	032-0104-65	1/4W 270Ω	R422	117-1021-10	1/10W 1kΩ
Q413	103-1306-00	2SD1306	R231	117-3321-10	1/10W 3.3kΩ	R423	117-1021-10	1/10W 1kΩ
Q414	103-1306-00	2SD1306	R232	032-0104-65	1/4W 270Ω	R424	117-1021-10	1/10W 1kΩ
Q415	103-1306-00	2SD1306	R234	117-1031-10	1/10W 10kΩ	R425	117-1021-10	1/10W 1kΩ
Q417	125-2004-06	RN1406	R235	117-1801-10	1/10W 18Ω	R426	117-1041-10	1/10W 100kΩ
Q418	102-2712-00	2SC2712	R301	117-1021-10	1/10W 1kΩ	R427	117-1041-10	1/10W 100kΩ
Q419	125-0002-06	RN2406	R302	117-2231-10	1/10W 22kΩ	R428	117-1041-10	1/10W 100kΩ
Q501	125-2004-03	RN1403	R303	117-2231-10	1/10W 22kΩ	R429	117-1041-10	1/10W 100kΩ
Q502	125-2004-03	RN1403	R304	117-3331-10	1/10W 33kΩ	R430	117-1031-10	1/10W 10kΩ
Q601	125-2004-03	RN1403	R305	117-3311-10	1/10W 330Ω	R431	117-1031-10	1/10W 10kΩ
Q801	125-2004-02	RN1402	R306	117-3311-10	1/10W 330Ω	R432	117-1231-10	1/10W 12kΩ
Q901	102-3420-50	2SC3420GR.BL	R307	117-2221-10	1/10W 2.2kΩ	R433	117-1231-10	1/10W 12kΩ
Q902	125-0002-02	RN2402	R308	117-3331-10	1/10W 33kΩ	R434	117-1031-10	1/10W 10kΩ
Q903	125-2004-06	RN1406	R309	117-1041-10	1/10W 100kΩ	R435	117-1031-10	1/10W 10kΩ
Q904	103-1802-60	2SD1802FA-R.S.T	R310	117-3311-10	1/10W 330Ω	R436	117-1231-10	1/10W 12kΩ
Q905	125-0002-02	RN2402	R311	117-1021-10	1/10W 1kΩ	R437	117-1231-10	1/10W 12kΩ
Q906	125-2004-02	RN1402	R312	117-3311-10	1/10W 330Ω	R438	117-2231-10	1/10W 22kΩ
Q907	125-2004-06	RN1406	R313	117-1021-10	1/10W 1kΩ	R439	117-2231-10	1/10W 22kΩ
Q908	125-0002-02	RN2402	R314	117-1021-10	1/10W 1kΩ	R440	117-2231-10	1/10W 22kΩ
R1	117-6821-10	1/10W 6.8kΩ	R315	117-1021-10	1/10W 1kΩ	R441	117-2231-10	1/10W 22kΩ
R2	117-3331-10	1/10W 33kΩ	R316	117-1021-10	1/10W 1kΩ	R442	117-3311-10	1/10W 330Ω
R3	117-1021-10	1/10W 1kΩ	R317	117-2731-10	1/10W 27kΩ	R443	117-3311-10	1/10W 330Ω
R4	117-1021-10	1/10W 1kΩ	R318	117-2731-10	1/10W 27kΩ	R444	117-3311-10	1/10W 330Ω
R5	117-5631-10	1/10W 56kΩ	R321	117-1031-10	1/10W 10kΩ	R445	117-3311-10	1/10W 330Ω
R6	117-1231-10	1/10W 12kΩ	R322	117-1031-10	1/10W 10kΩ	R446	117-1021-10	1/10W 1kΩ
R7	117-8221-10	1/10W 8.2kΩ	R323	117-1041-10	1/10W 100kΩ	R447	117-1021-10	1/10W 1kΩ
R8	117-1021-10	1/10W 1kΩ	R324	117-1041-10	1/10W 100kΩ	R453	117-0000-00	1/10W 0Ω JW
R9	117-2241-10	1/10W 220kΩ	R325	117-1031-10	1/10W 10kΩ	R455	117-1031-10	1/10W 10kΩ
R10	117-1031-10	1/10W 10kΩ	R326	117-1031-10	1/10W 10kΩ	R458	117-1021-10	1/10W 1kΩ
R11	117-2231-10	1/10W 22kΩ	R327	117-1031-10	1/10W 10kΩ	R461	117-0000-00	1/10W 0Ω JW
R12	117-1021-10	1/10W 1kΩ	R328	032-0092-01	1/10W 33kΩ ±1%	R462	117-1041-10	1/10W 100kΩ
R13	117-2221-10	1/10W 2.2kΩ	R329	032-0092-01	1/10W 33kΩ ±1%	R463	117-1241-10	1/10W 120kΩ
R14	117-1031-10	1/10W 10kΩ	R330	117-1031-10	1/10W 10kΩ	R464	117-2231-10	1/10W 22kΩ
R16	117-2221-10	1/10W 2.2kΩ	R331	117-1031-10	1/10W 10kΩ	R465	117-1021-10	1/10W 1kΩ
R17	117-2711-10	1/10W 270Ω	R332	117-1041-10	1/10W 100kΩ	R466	117-1021-10	1/10W 1kΩ
R18	117-1231-10	1/10W 12kΩ	R333	032-0092-01	1/10W 33kΩ ±1%	R467	117-1221-10	1/10W 1.2kΩ
R19	111-3311-91	1/4WS 330Ω	R334	117-1041-10	1/10W 100kΩ	R501	117-1031-10	1/10W 10kΩ
R20	117-1021-10	1/10W 1kΩ	R335	117-1041-10	1/10W 100kΩ	R502	117-1331-10	1/10W 13kΩ
R21	117-1021-10	1/10W 1kΩ	R336	032-0092-01	1/10W 33kΩ ±1%	R503	117-1331-10	1/10W 13kΩ
R22	117-8211-10	1/10W 820Ω	R337	117-1041-10	1/10W 100kΩ	R504	117-1031-10	1/10W 10kΩ
R23	117-1521-10	1/10W 1.5kΩ	R338	117-1041-10	1/10W 100kΩ	R505	117-1831-10	1/10W 18kΩ
R24	117-1031-10	1/10W 10kΩ	R339	117-1041-10	1/10W 100kΩ	R506	117-1831-10	1/10W 18kΩ
R25	117-1031-10	1/10W 10kΩ	R340	032-0092-26	1/10W 51kΩ ±1%	R507	117-4721-10	1/10W 4.7kΩ
R26	117-1521-10	1/10W 1.5kΩ	R341	032-0092-26	1/10W 51kΩ ±1%	R508	117-4721-10	1/10W 4.7kΩ
R28	117-1021-10	1/10W 1kΩ	R342	032-0092-26	1/10W 51kΩ ±1%	R509	117-3031-10	1/10W 30kΩ
R29	117-1031-10	1/10W 10kΩ	R343	032-0092-26	1/10W 51kΩ ±1%	R510	117-3031-10	1/10W 30kΩ
R201	117-4731-10	1/10W 47kΩ	R344	117-1041-10	1/10W 100kΩ	R511	117-3031-10	1/10W 30kΩ
R202	117-2231-10	1/10W 22kΩ	R345	117-1011-10	1/10W 100Ω	R512	117-1241-10	1/10W 120kΩ
R203	117-4731-10	1/10W 47kΩ	R346	117-1011-10	1/10W 100Ω	R513	117-1241-10	1/10W 120kΩ
R204	117-1031-10	1/10W 10kΩ	R347	117-1041-10	1/10W 100kΩ	R514	117-3031-10	1/10W 30kΩ
R205	117-1031-10	1/10W 10kΩ	R348	117-1011-10	1/10W 100Ω	R515	117-6821-10	1/10W 6.8kΩ
R206	032-0104-67	1/4W 1.2kΩ	R349	117-1011-10	1/10W 100Ω	R516	117-6821-10	1/10W 6.8kΩ
R207	117-2231-10	1/10W 22kΩ	R350	117-4731-10	1/10W 47kΩ	R517	117-3331-10	1/10W 33kΩ
R208	117-4731-10	1/10W 47kΩ	R401	117-2721-10	1/10W 2.7kΩ	R518	117-3331-10	1/10W 33kΩ
R209	117-1031-10	1/10W 10kΩ	R402	117-2721-10	1/10W 2.7kΩ	R519	117-5621-10	1/10W 5.6kΩ
R210	117-1021-10	1/10W 1kΩ	R403	117-1521-10	1/10W 1.5kΩ	R520	117-4731-10	1/10W 47kΩ
R211	117-1831-10	1/10W 18kΩ	R404	117-1521-10	1/10W 1.5kΩ	R521	117-1041-10	1/10W 100kΩ
R212	032-0104-63	1/4W 1.5Ω	R405	117-3321-10	1/10W 3.3kΩ	R522	117-1041-10	1/10W 100kΩ
R213	032-0104-63	1/4W 1.5Ω	R406	117-3321-10	1/10W 3.3kΩ	R523	117-1041-10	1/10W 100kΩ
R214	032-0104-63	1/4W 1.5Ω	R407	117-8221-10	1/10W 8.2kΩ	R524	117-1041-10	1/10W 100kΩ
R215	032-0104-63	1/4W 1.5Ω	R408	117-8221-10	1/10W 8.2kΩ	R525	117-1041-10	1/10W 100kΩ
R216	117-1031-10	1/10W 10kΩ	R409	117-1041-10	1/10W 100kΩ	R526	117-1041-10	1/10W 100kΩ
R217	117-3321-10	1/10W 3.3kΩ	R410	117-1041-10	1/10W 100kΩ	R527	117-1041-10	1/10W 100kΩ
R218	117-1031-10	1/10W 10kΩ	R411	117-1041-10	1/10W 100kΩ	R528	117-1041-10	1/10W 100kΩ
R219	032-0104-67	1/4W 1.2kΩ	R412	117-1041-10	1/10W 100kΩ	R529	117-2231-10	1/10W 22kΩ
R220	117-3321-10	1/10W 3.3kΩ	R413	117-3631-10	1/10W 36kΩ	R530	117-2231-10	1/10W 22kΩ

REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION
R531	117-6811-10	1/10W 680Ω	R616	117-1041-10	1/10W 100kΩ	R802	117-1231-10	1/10W 12kΩ
R532	117-6811-10	1/10W 680Ω	R617	117-1041-10	1/10W 100kΩ	R803	117-3321-10	1/10W 3.3kΩ
R601	032-0104-64	1/4W 68Ω	R618	117-4731-10	1/10W 47kΩ	R804	117-2231-10	1/10W 22kΩ
R602	117-3321-10	1/10W 3.3kΩ	R620	117-4721-10	1/10W 4.7kΩ	R805	117-1041-10	1/10W 100kΩ
R603	117-3321-10	1/10W 3.3kΩ	R621	117-1031-10	1/10W 10kΩ	R806	117-2211-10	1/10W 220Ω
R605	117-1031-10	1/10W 10kΩ	R623	117-2231-10	1/10W 22kΩ	R807	117-2221-10	1/10W 2.2kΩ
R606	117-4721-10	1/10W 4.7kΩ	R629	117-4731-10	1/10W 47kΩ	R901	032-0104-66	1/4W 470Ω
R607	117-4731-10	1/10W 47kΩ	R630	117-4731-10	1/10W 47kΩ	R902	032-0104-66	1/4W 470Ω
R608	117-1031-10	1/10W 10kΩ	R631	117-1521-10	1/10W 1.5kΩ	R906	117-2211-10	1/10W 220Ω
R609	117-5621-10	1/10W 5.6kΩ	R632	117-3311-10	1/10W 330Ω	S101	013-6302-01	SKQMAL
R610	117-8221-10	1/10W 8.2kΩ	R633	117-1521-10	1/10W 1.5kΩ	SUP1	060-0122-10	DSP-201M-S00B
R611	117-4321-10	1/10W 4.3kΩ	R634	117-1021-10	1/10W 1kΩ	T253	009-9008-80	0.7mH
R612	117-1541-10	1/10W 150kΩ	R636	117-0000-00	1/10W 0Ω JW	X1	061-1066-00	7.2MHz
R613	117-1031-10	1/10W 10kΩ	R638	117-0000-00	1/10W 0Ω JW	X601	060-1505-50	10MHz
R614	117-1031-10	1/10W 10kΩ	R639	117-1521-10	1/10W 1.5kΩ	X602	061-3506-90	10MHz
R615	117-1041-10	1/10W 100kΩ	R801	117-1031-10	1/10W 10kΩ	X801	061-3013-00	4.33MHz

Switch PWB section(B2)

REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION
C702	178-1032-78	0.01 μF	D708	001-0583-21	MA8062	Q705	125-2004-02	RN1402
C703	042-0416-02	10V10 μF	D709	001-0583-21	MA8062	Q706	125-2004-02	RN1402
C705	042-0416-02	10V10 μF	D710	001-0583-21	MA8062	Q707	125-2004-02	RN1402
C706	176-1201-00	12pF CH	D711	001-0583-21	MA8062	Q708	125-2004-02	RN1402
C707	178-1022-78	1000pF	D712	001-0583-21	MA8062	Q709	125-0013-07	RN2427
C708	178-1022-78	1000pF	D713	001-0583-21	MA8062	R701	117-1031-10	1/10W 10kΩ
C709	178-1022-78	1000pF	D714	001-0583-21	MA8062	R702	117-2711-10	1/10W 270Ω
C710	178-1022-78	1000pF	D715	001-0583-21	MA8062	R703	117-2711-10	1/10W 270Ω
C711	178-1022-78	1000pF	D716	001-0583-21	MA8062	R704	117-6811-10	1/10W 680Ω
C712	178-1022-78	1000pF	IC701	052-7041-00	M30620MC-326GP	R705	117-6811-10	1/10W 680Ω
C713	178-1022-78	1000pF	IC702	052-7042-00	LC374500STS-J79	R706	117-1021-10	1/10W 1kΩ
C714	178-1022-78	1000pF	IC703	051-3031-90	LM2904D	R707	117-4731-10	1/10W 47kΩ
C715	178-1022-78	1000pF	IC704	051-7246-08	M74HC123RM13T	R708	117-2231-10	1/10W 22kΩ
CCT701	050-0122-00	10kΩ ×4 J	IC705	051-9400-38	M93C46-WMN6T	R710	117-0000-00	1/10W 0Ω JW
CCT702	050-0122-03	1kΩ ×4	J701	076-0616-00	16P	R711	117-1011-10	1/10W 100Ω
CCT703	050-0122-03	1kΩ ×4	J702	074-1201-19	19P	R712	117-1511-10	1/10W 150Ω
CCT704	050-0122-00	10kΩ ×4 J	J703	074-1138-65	15P	R713	117-1511-10	1/10W 150Ω
CCT705	010-3042-04	BLA3216A601SG4	J704	074-1189-00	50P	R714	117-2211-10	1/10W 220Ω
CCT706	010-3042-04	BLA3216A601SG4	L701	010-2285-12	BLM11A601SPB	R715	117-1041-10	1/10W 100kΩ
CCT707	010-3042-04	BLA3216A601SG4	L702	010-2285-12	BLM11A601SPB	R716	117-1041-10	1/10W 100kΩ
CCT708	010-3042-04	BLA3216A601SG4	L703	010-2285-12	BLM11A601SPB	R717	117-1021-10	1/10W 1kΩ
CCT709	010-3042-04	BLA3216A601SG4	L704	010-2285-12	BLM11A601SPB	R718	117-1231-10	1/10W 12kΩ
CCT710	010-3042-04	BLA3216A601SG4	L705	010-2285-12	BLM11A601SPB	R719	117-1021-10	1/10W 1kΩ
CCT711	010-3042-04	BLA3216A601SG4	L706	010-2285-12	BLM11A601SPB	R721	117-1031-10	1/10W 10kΩ
D702	001-0516-00	MA111	L707	010-2285-12	BLM11A601SPB	R722	117-4721-10	1/10W 4.7kΩ
D703	001-0525-00	IMN10	L708	010-2285-12	BLM11A601SPB	R723	117-4721-10	1/10W 4.7kΩ
D704	001-0525-00	IMN10	Q701	101-1123-49	2SB1123R,S	R9001	117-0000-00	1/10W 0Ω JW
D705	001-0583-21	MA8062	Q702	102-2712-00	2SC2712	R9004	117-0000-00	1/10W 0Ω JW
D706	001-0583-21	MA8062	Q703	125-0013-07	RN2427	X701	060-1505-50	10MHz
D707	001-0583-21	MA8062	Q704	102-2712-00	2SC2712			

Switch sub PWB section(B3)

REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION
C750	178-1032-78	0.01 μF	R762	117-1521-10	1/10W 1.5kΩ	S709	013-6504-00	LS9J2M-1YG
D750	001-7011-03	CL-150D-CD	R763	117-1521-10	1/10W 1.5kΩ	S710	013-6504-00	LS9J2M-1YG
D751	001-7011-02	CL-150YG-CD	R764	117-1221-10	1/10W 1.2kΩ	S711	013-6504-00	LS9J2M-1YG
D752	001-7039-00	NSCM310A	R765	117-1221-10	1/10W 1.2kΩ	S712	013-6504-00	LS9J2M-1YG
IR701	060-4008-00	RS171	R766	117-1221-10	1/10W 1.2kΩ	S713	013-6504-00	LS9J2M-1YG
R752	117-1221-10	1/10W 1.2kΩ	R767	117-1221-10	1/10W 1.2kΩ	S714	013-6504-00	LS9J2M-1YG
R753	117-1221-10	1/10W 1.2kΩ	R768	117-1221-10	1/10W 1.2kΩ	S715	013-6504-00	LS9J2M-1YG
R754	117-2211-10	1/10W 220Ω	R769	117-1221-10	1/10W 1.2kΩ	S716	013-6504-00	LS9J2M-1YG
R755	117-2231-10	1/10W 22kΩ	S701	013-6302-50	SKQMAL	S717	013-6504-00	LS9J2M-1YG
R756	117-1041-10	1/10W 100kΩ	S702	013-6302-50	SKQMAL	S718	013-6504-00	LS9J2M-1YG
R757	117-3921-10	1/10W 3.9kΩ	S703	013-6504-00	LS9J2M-1YG	S719	013-6504-00	LS9J2M-1YG
R758	117-1521-10	1/10W 1.5kΩ	S704	013-6504-00	LS9J2M-1YG	S720	013-6507-50	LS8J2M-T
R759	117-1521-10	1/10W 1.5kΩ	S705	013-6504-00	LS9J2M-1YG	S721	013-6504-00	LS9J2M-1YG
R760	117-1521-10	1/10W 1.5kΩ	S706	013-6504-00	LS9J2M-1YG	S722	013-8001-00	JRS0000-1401
R761	117-1521-10	1/10W 1.5kΩ	S708	013-6504-00	LS9J2M-1YG			

DD Con PWB section(B4)

REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION
C253	183-2263-31	16V22 μ F	C259	042-0504-05	16V22 μ F	L252	010-2230-78	33 μ H
C254	178-2232-78	0.022 μ F	C260	042-0504-05	16V22 μ F	R250	117-2721-10	1/10W 2.7k Ω
C255	178-1042-78	0.1 μ F	D251	001-0501-00	D1NS4	R251	117-1531-10	1/10W 15k Ω
C256	184-2273-22	10V220 μ F	IC250	051-3909-90	MC34063ABD	R253	117-2291-10	1/10W 2.2 Ω
C257	176-2211-00	220pF CH	L250	010-2230-78	33 μ H			
C258	178-1042-78	0.1 μ F	L251	010-2200-02	270 μ H J			

Motor PWB section(B5)

REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION
C101	176-2221-00	2200pF	P101	076-0374-05	5P	S101	013-3879-01	SPPB12
C102	176-2221-00	2200pF	P102	076-0324-03	3P	S102	013-3879-01	SPPB12

DCP PWB section(B6)

REF No.	PART No.	DESCRIPTION
J101	074-1220-00	

CD mechanism PWB section(B7)

REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION
C1	183-1073-12	6.3V100 μ F	C34	176-1501-00	15pF CH	Q2	102-2712-00	2SC2712
C2	183-4763-11	6.3V47 μ F	C35	176-1501-00	15pF CH	R1	117-1011-10	1/10W 100 Ω
C3	178-1042-78	0.1 μ F	C38	178-1022-78	1000pF	R2	117-1841-10	1/10W 180k Ω
C4	176-2201-00	22pF CH	C39	178-1042-78	0.1 μ F	R3	117-1841-10	1/10W 180k Ω
C5	176-1801-00	18pF CH	C40	178-1042-78	0.1 μ F	R4	117-2201-10	1/10W 22 Ω
C6	176-1801-00	18pF CH	C41	183-1073-12	6.3V100 μ F	R5	117-8231-10	1/10W 82k Ω
C7	176-8201-00	82pF CH	C43	183-1073-12	6.3V100 μ F	R6	117-1041-10	1/10W 100k Ω
C8	178-1042-78	0.1 μ F	C44	183-4763-11	6.3V47 μ F	R7	117-1041-10	1/10W 100k Ω
C9	178-2242-78	0.22 μ F	C45	183-1073-12	6.3V100 μ F	R8	117-1031-10	1/10W 10k Ω
C10	178-2242-78	0.22 μ F	C46	178-1032-78	0.01 μ F	R9	117-2221-10	1/10W 2.2k Ω
C11	176-4701-00	47pF CH	C47	178-1042-78	0.1 μ F	R10	117-1031-10	1/10W 10k Ω
C12	178-1532-78	0.015 μ F	C48	178-1032-78	0.01 μ F	R12	117-1031-10	1/10W 10k Ω
C13	178-1032-78	0.01 μ F	C49	176-6801-00	68pF CH	R13	117-4731-10	1/10W 47k Ω
C14	178-2722-78	2700pF	C51	178-1032-78	0.01 μ F	R15	117-4741-10	1/10W 470k Ω
C15	178-4722-78	4700pF	C52	178-1032-78	0.01 μ F	R17	117-3331-10	1/10W 33k Ω
C16	176-1201-00	12pF CH	C54	183-4763-11	6.3V47 μ F	R18	117-3311-10	1/10W 330 Ω
C17	178-4712-78	470pF	C55	178-1042-78	0.1 μ F	R19	117-3321-10	1/10W 3.3k Ω
C18	178-4712-78	470pF	C56	178-1042-78	0.1 μ F	R20	117-1031-10	1/10W 10k Ω
C19	178-4732-78	0.047 μ F	C58	178-1042-78	0.1 μ F	R21	117-3321-10	1/10W 3.3k Ω
C20	178-4732-78	0.047 μ F	C59	178-2222-78	2200pF	R22	117-3321-10	1/10W 3.3k Ω
C21	178-4732-78	0.047 μ F	D1	001-0563-00	GL380	R23	117-3321-10	1/10W 3.3k Ω
C22	178-4732-78	0.047 μ F	D2	001-0563-00	GL380	R24	117-3321-10	1/10W 3.3k Ω
C23	178-1032-78	0.01 μ F	D3	001-0563-00	GL380	R26	117-1041-10	1/10W 100k Ω
C25	183-1073-21	10V100 μ F	D4	001-0330-00	1SS119	R27	117-4711-10	1/10W 470 Ω
C26	178-1042-78	0.1 μ F	IC1	051-5704-00	TA2096FN	R28	117-2211-10	1/10W 220 Ω
C27	178-1042-78	0.1 μ F	IC2	051-6342-00	TC9462F	R29	117-2211-10	1/10W 220 Ω
C29	178-1042-78	0.1 μ F	IC3	051-6026-08	TA2058F	R30	117-4721-10	1/10W 4.7k Ω
C30	178-1042-78	0.1 μ F	IC4	051-6027-00	BA6283N	R34	111-2711-91	1/4WS 270 Ω
C31	178-1032-78	0.01 μ F	L1	010-2155-03	10 μ H	R40	117-3321-10	1/10W 3.3k Ω
C32	178-1032-78	0.01 μ F	L3	010-2199-74	10 μ H J	X1	061-3038-00	HC49 16.9344MHz
C33	178-1042-78	0.1 μ F	Q1	101-1237-50	2SB1237QR			

Sensor PWB section(B8)

REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION
Q101	060-0252-01	PT4850F	Q102	060-0252-01	PT4850F	Q103	060-0252-01	PT4850F

Limit switch PWB section(B9)

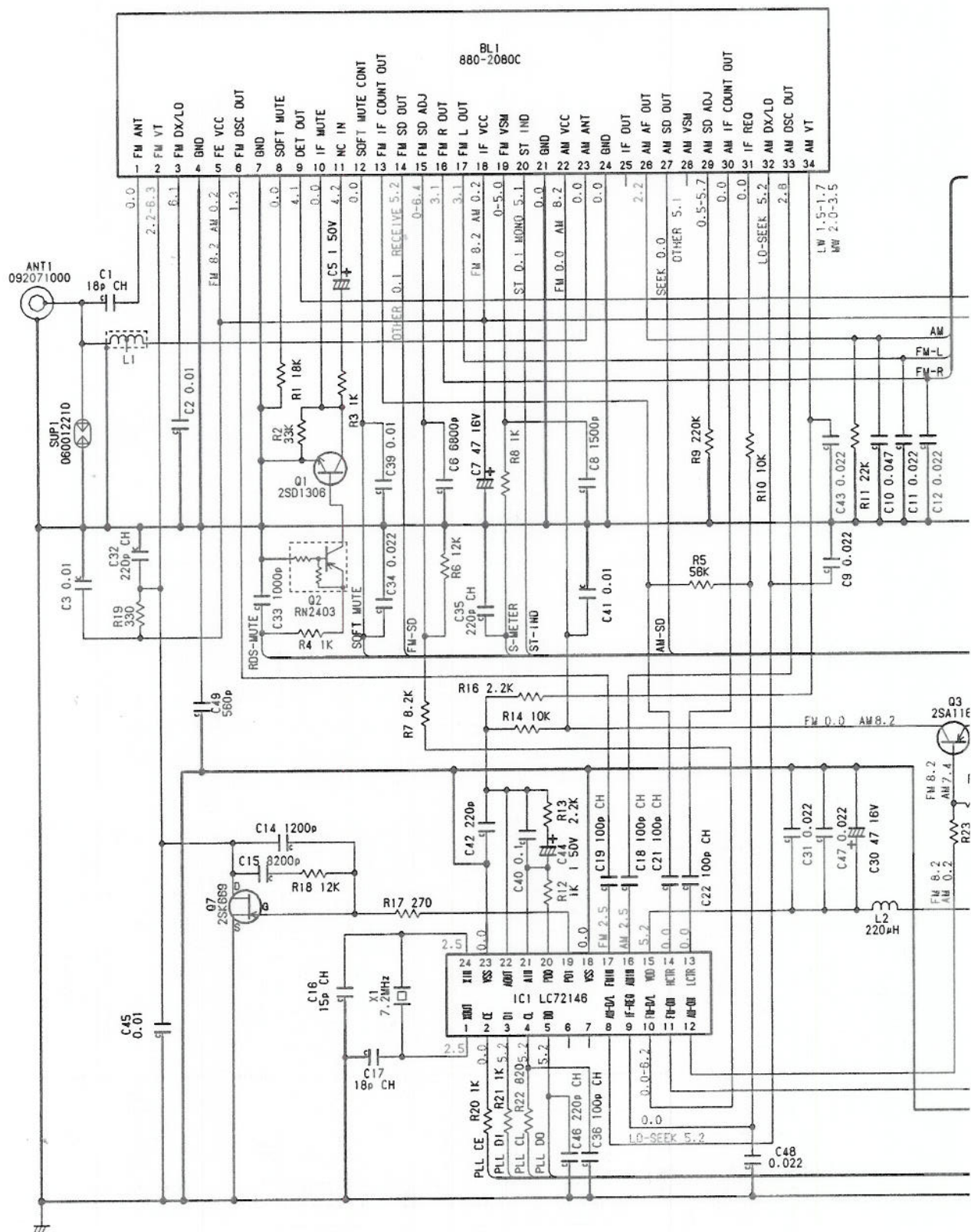
REF No.	PART No.	DESCRIPTION
S1	013-7100-00	LIMIT $\times$

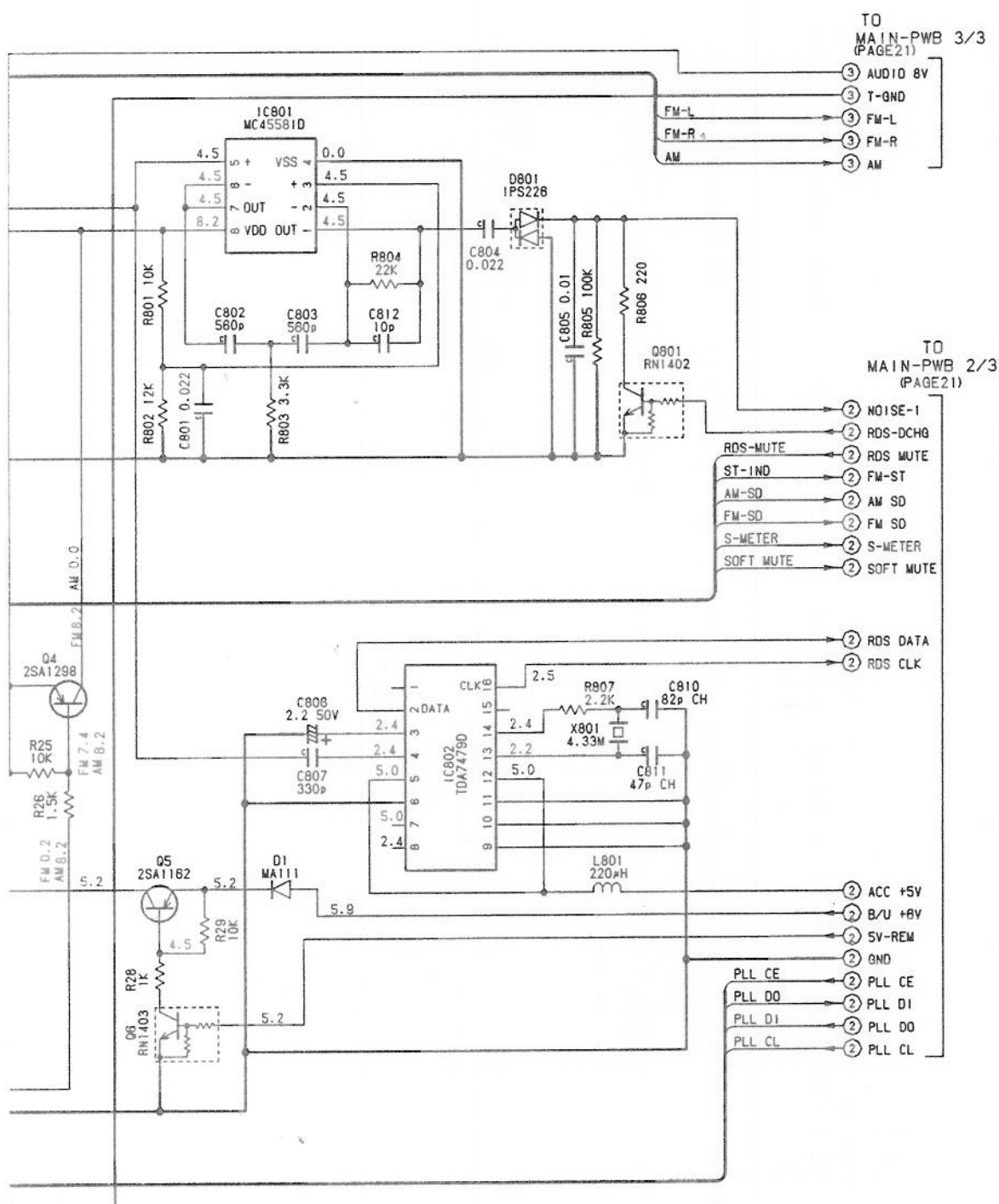
Chucking switch PWB section(B10)

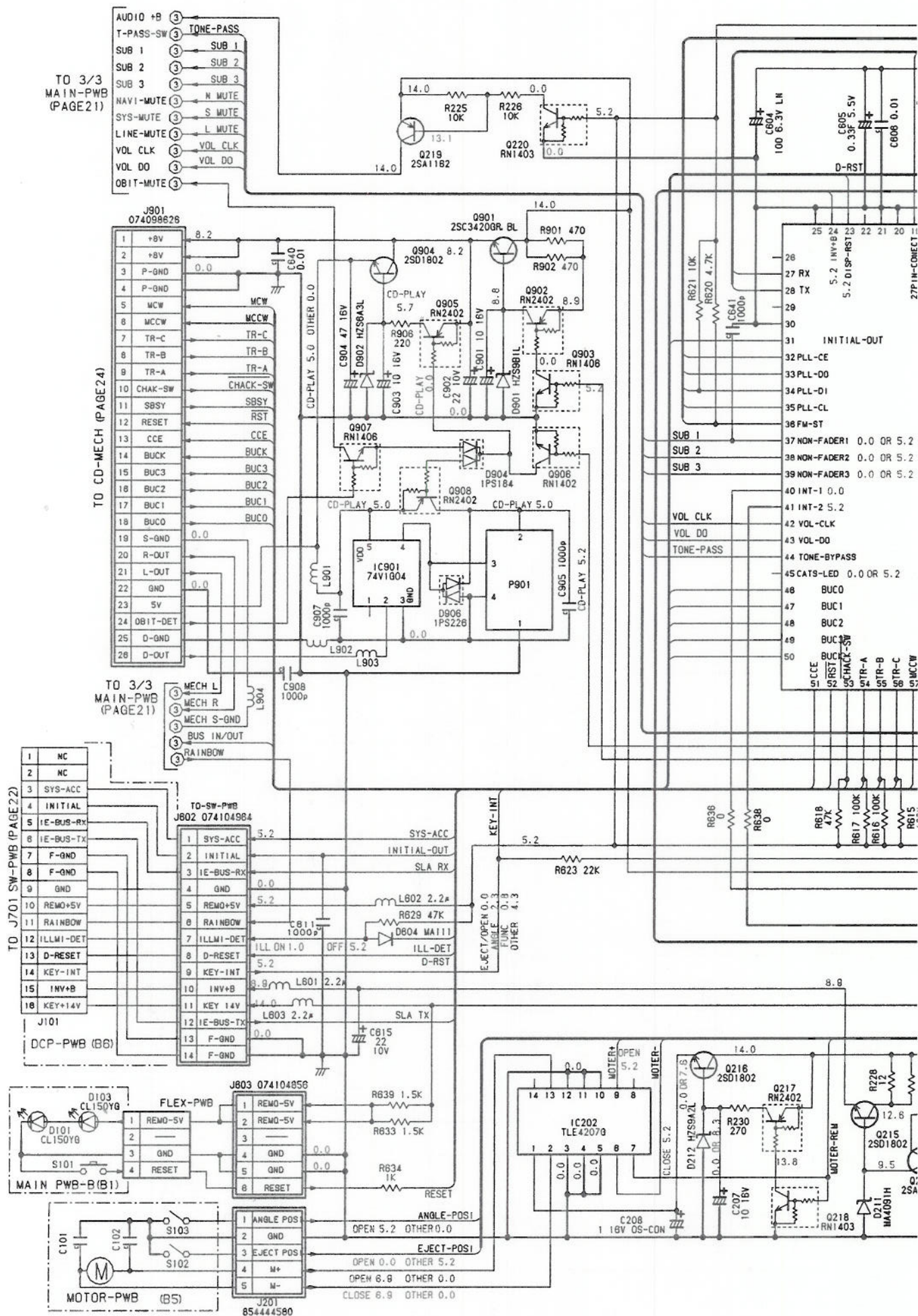
REF No.	PART No.	DESCRIPTION
S2	013-3879-01	CHUCKING

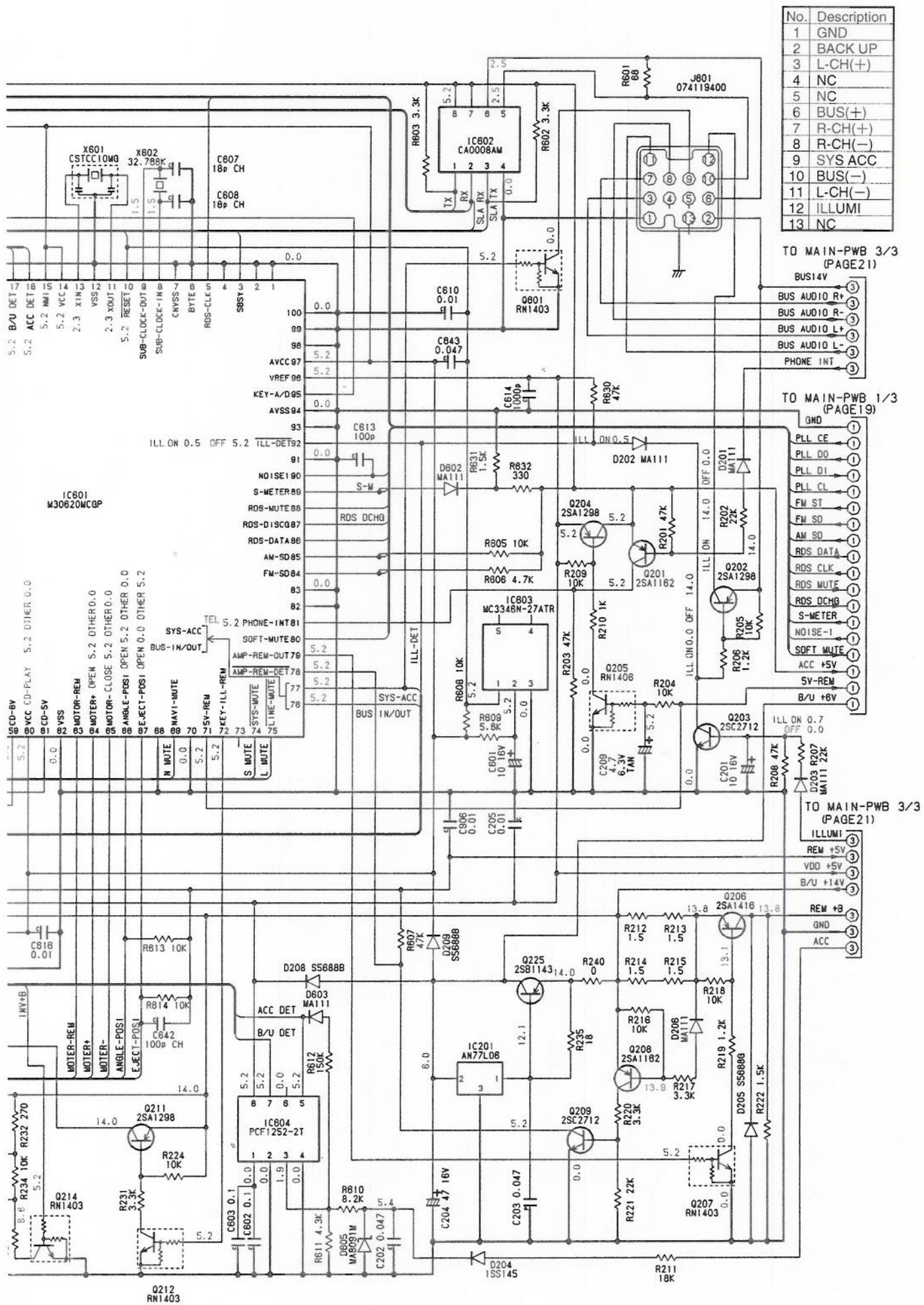
CIRCUIT DIAGRAM

Main PWB section 1/3(B1)







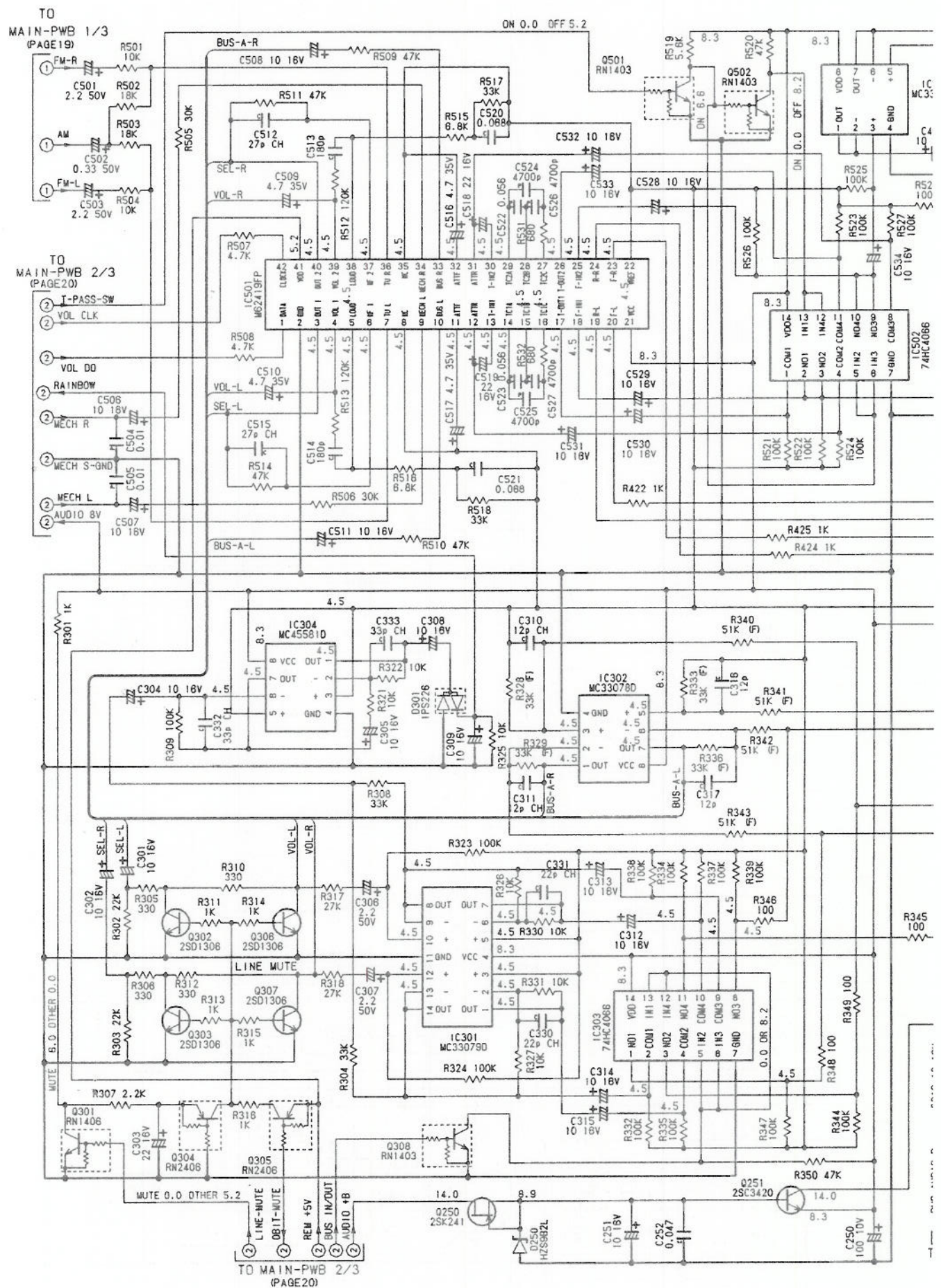


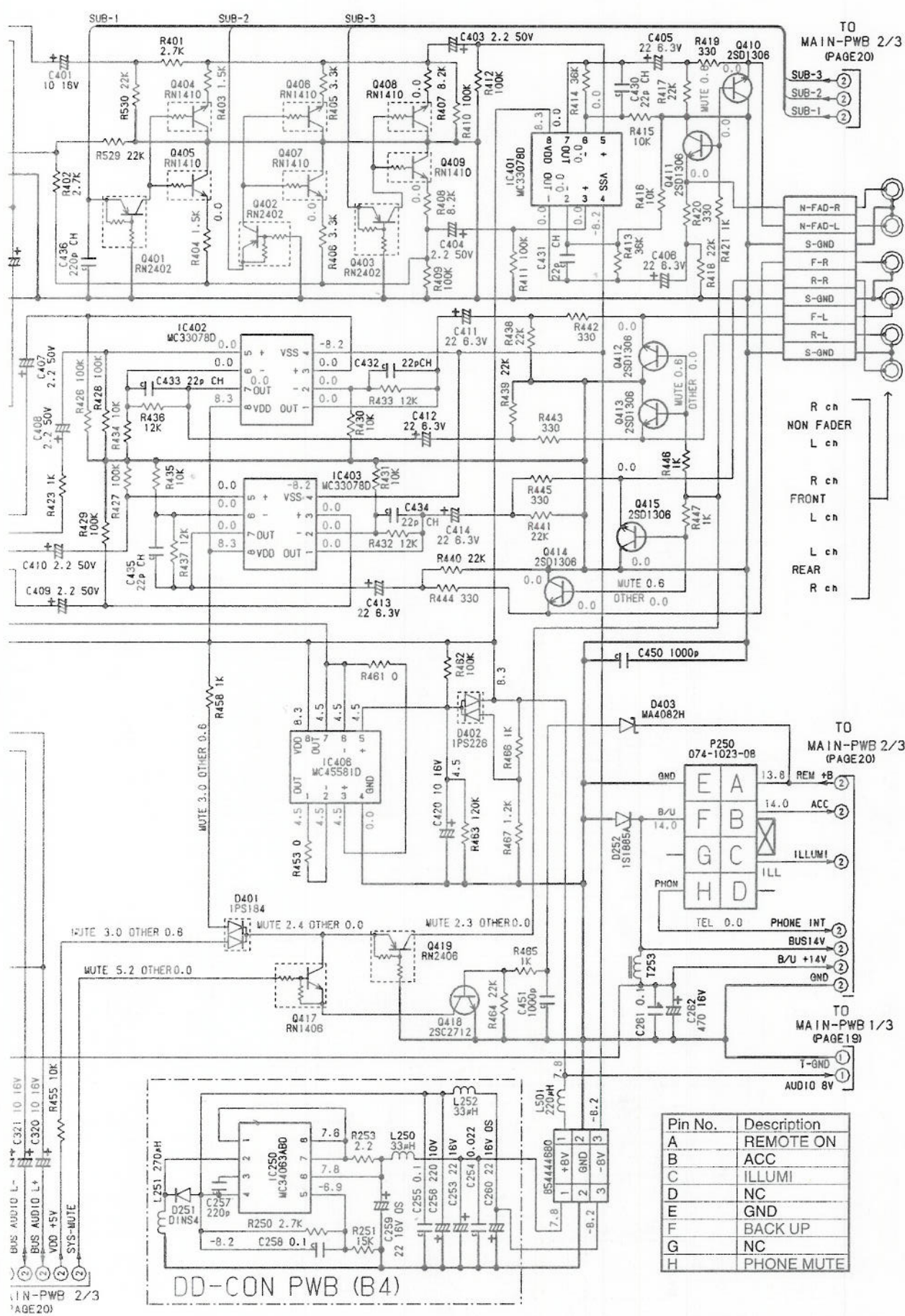
No.	Description
1	GND
2	BACK UP
3	L-CH(+)
4	NC
5	NC
6	BUS(+)
7	R-CH(+)
8	R-CH(-)
9	SYS ACC
10	BUS(-)
11	L-CH(-)
12	ILLUMI
13	NC

TO MAIN-PWB 3/3
(PAGE 21)

TO MAIN-PWB 1/3
(PAGE 19)

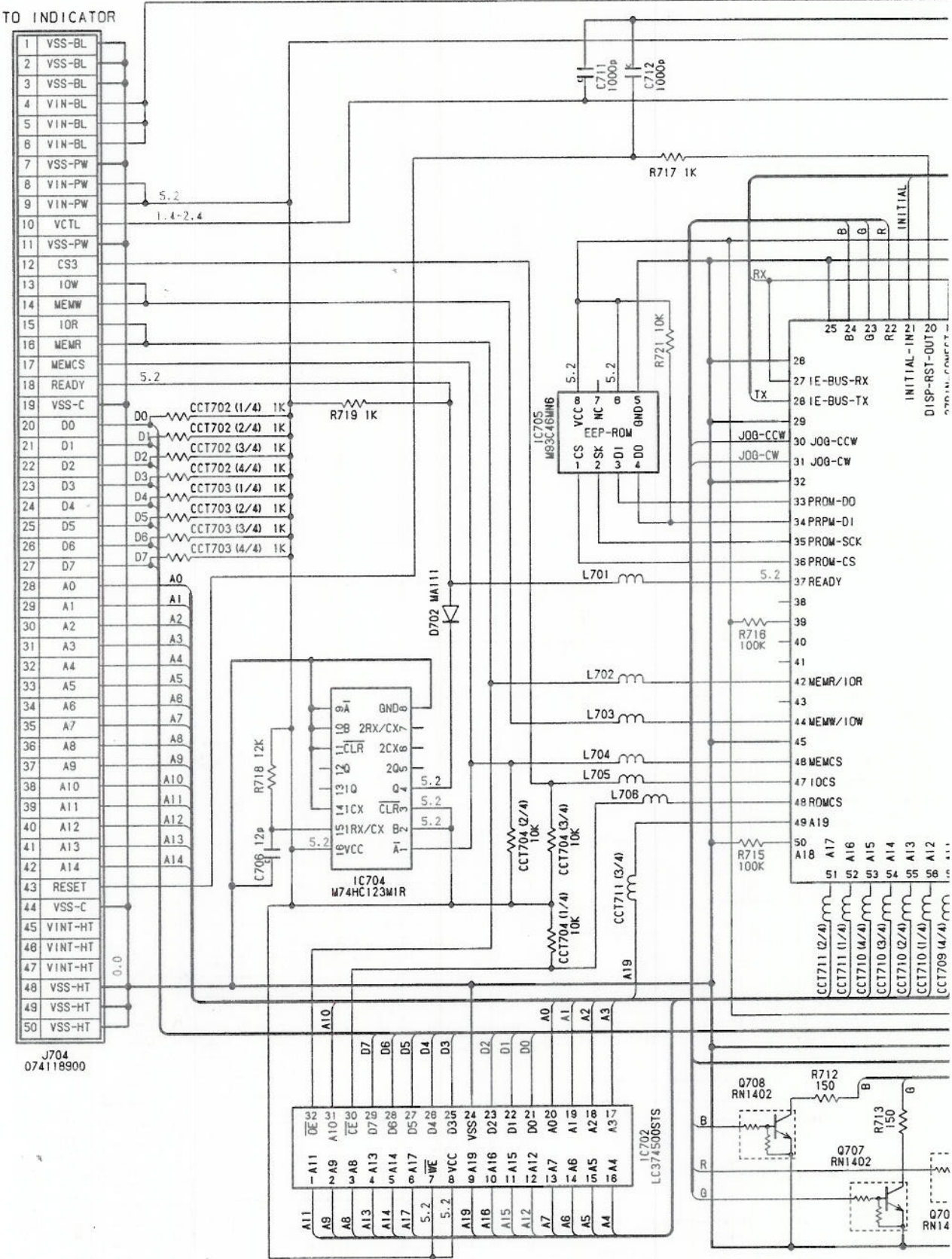
TO MAIN-PWB 3/3
(PAGE 21)

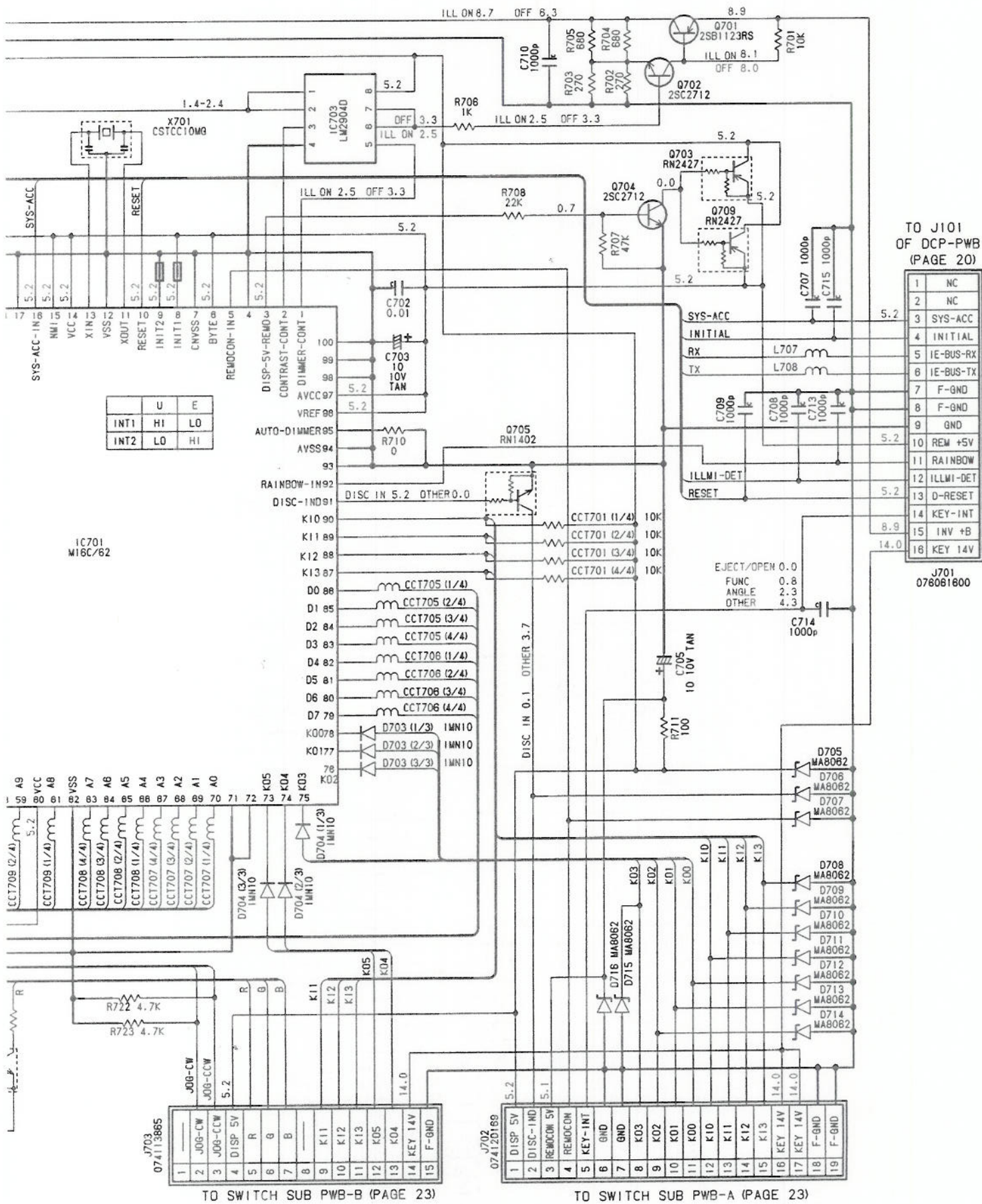


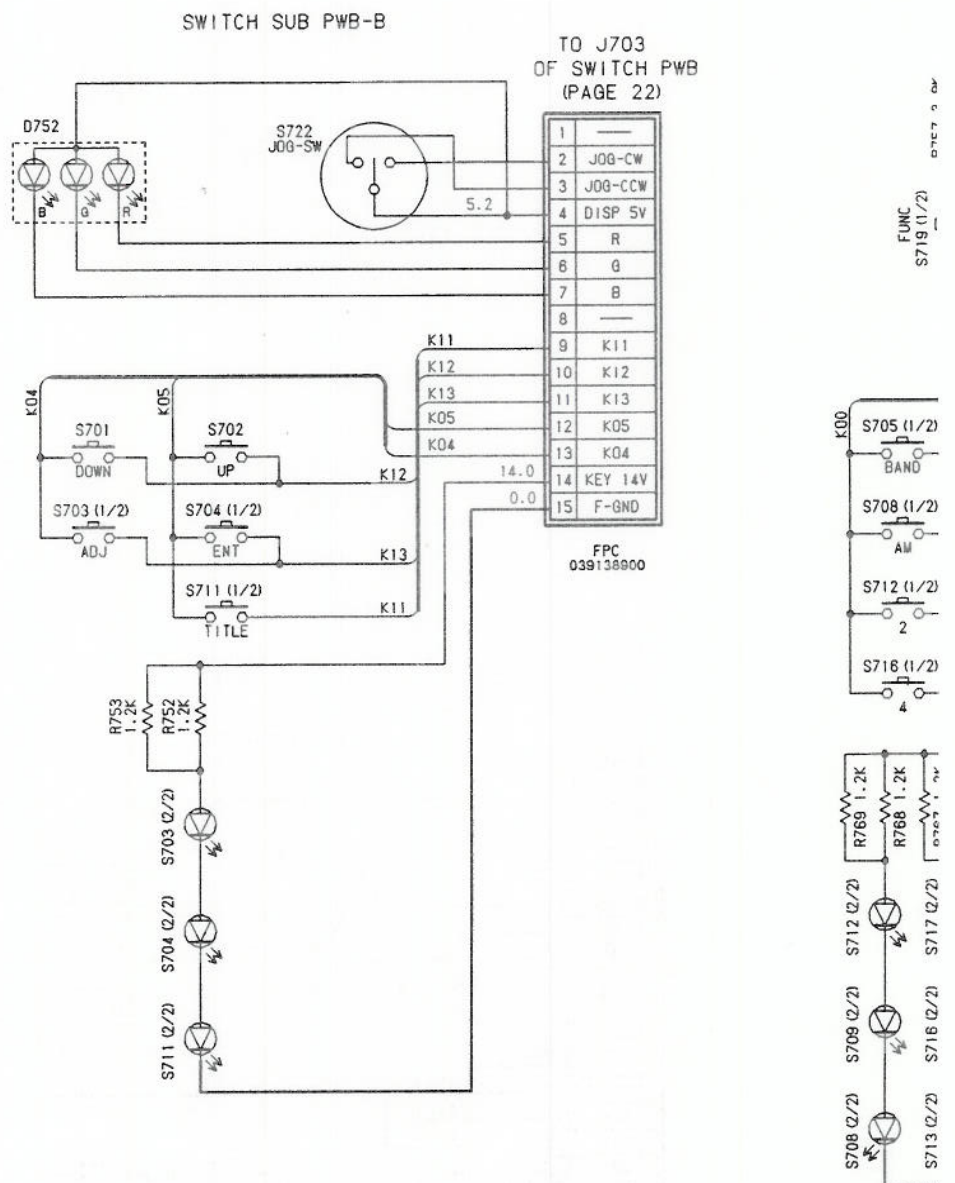


- 101
P-PWB
20)
- | |
|---------|
| NC |
| NC |
| S-ACC |
| INITIAL |
| BUS-RX |
| BUS-TX |
| -GND |
| GND |
| M +5V |
| INBOW |
| MI-DET |
| RESET |
| Y-INT |
| NV +B |
| Y 14V |
- 01
31800

Pin No.	Description
A	REMOTE ON
B	ACC
C	ILLUMI
D	NC
E	GND
F	BACK UP
G	NC
H	PHONE MUTE

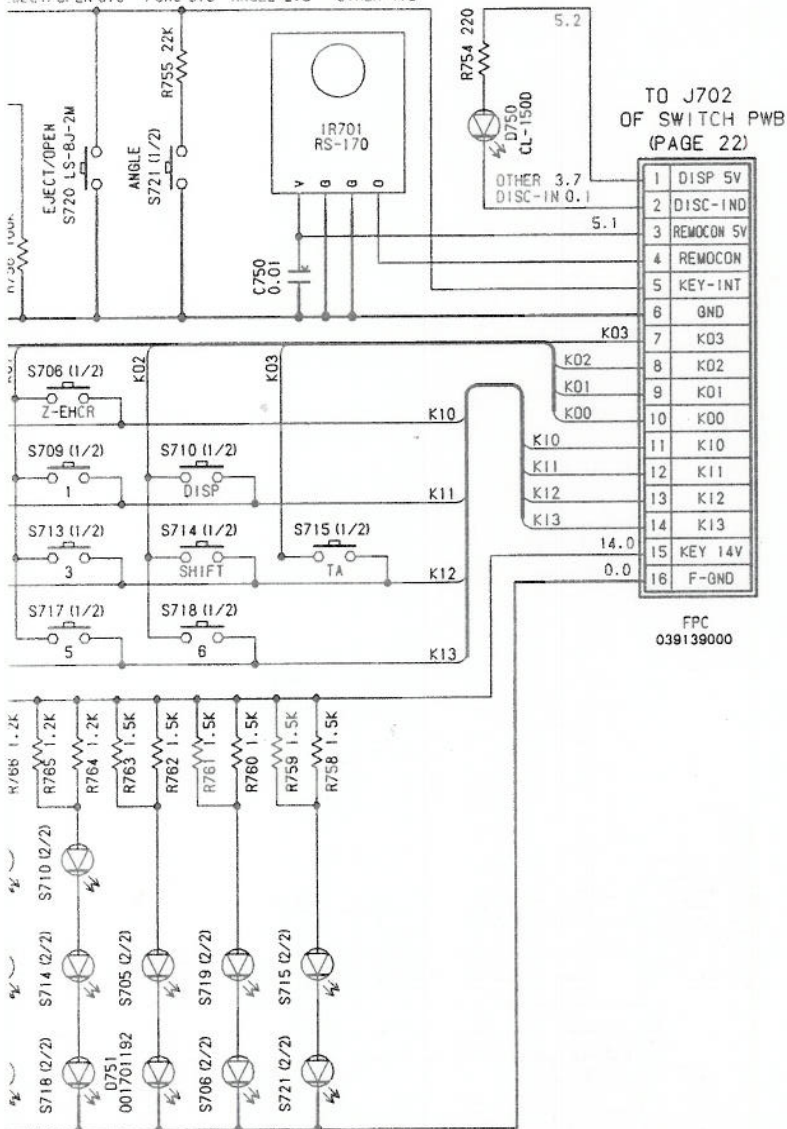




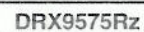


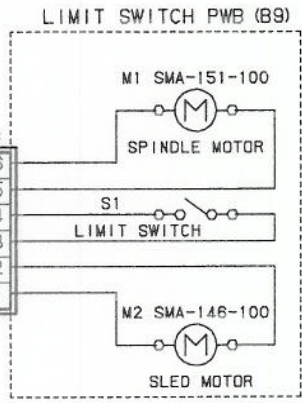
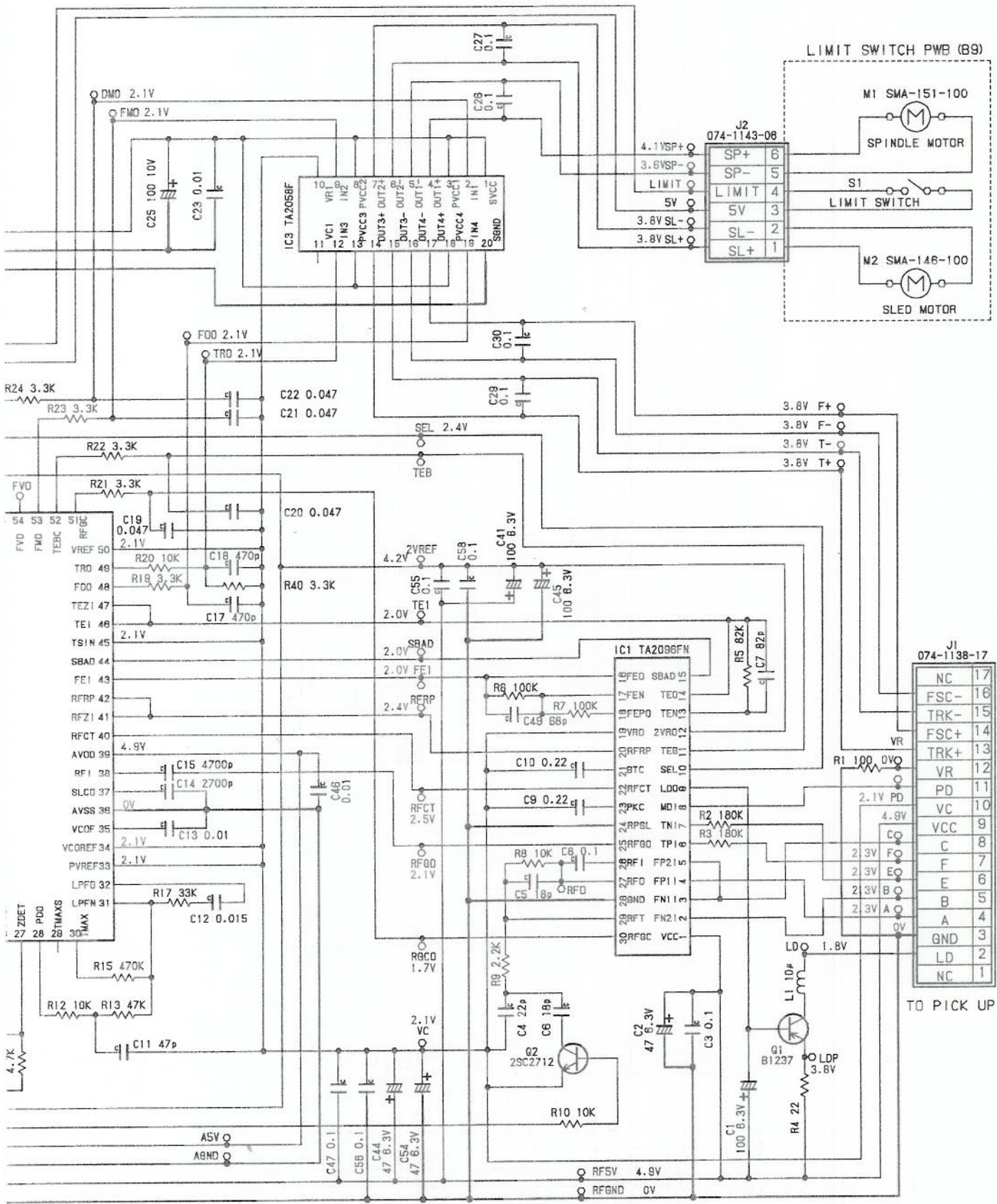
SWITCH SUB PWB-A

EJECT/OPEN 0.0 FUNC 0.6 ANGLE 2.3 OTHER 4.3



FPC
039139000



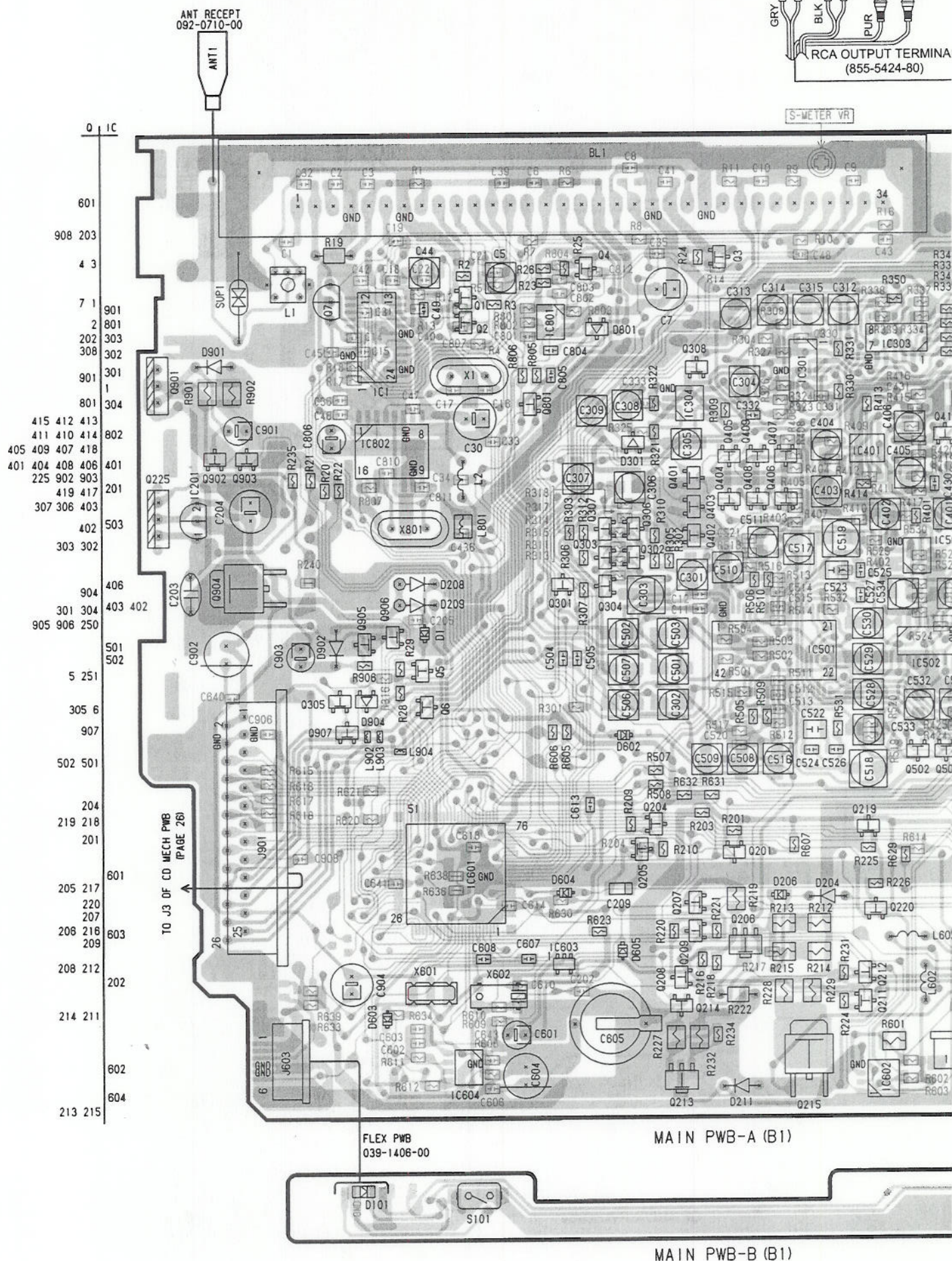


J1
074-1138-17

NC	17
FSC-	16
TRK-	15
FSC+	14
TRK+	13
VR	12
PD	11
VC	10
VCC	9
C	8
F	7
E	6
B	5
A	4
GND	3
LD	2
NC	1

TO PICK UP

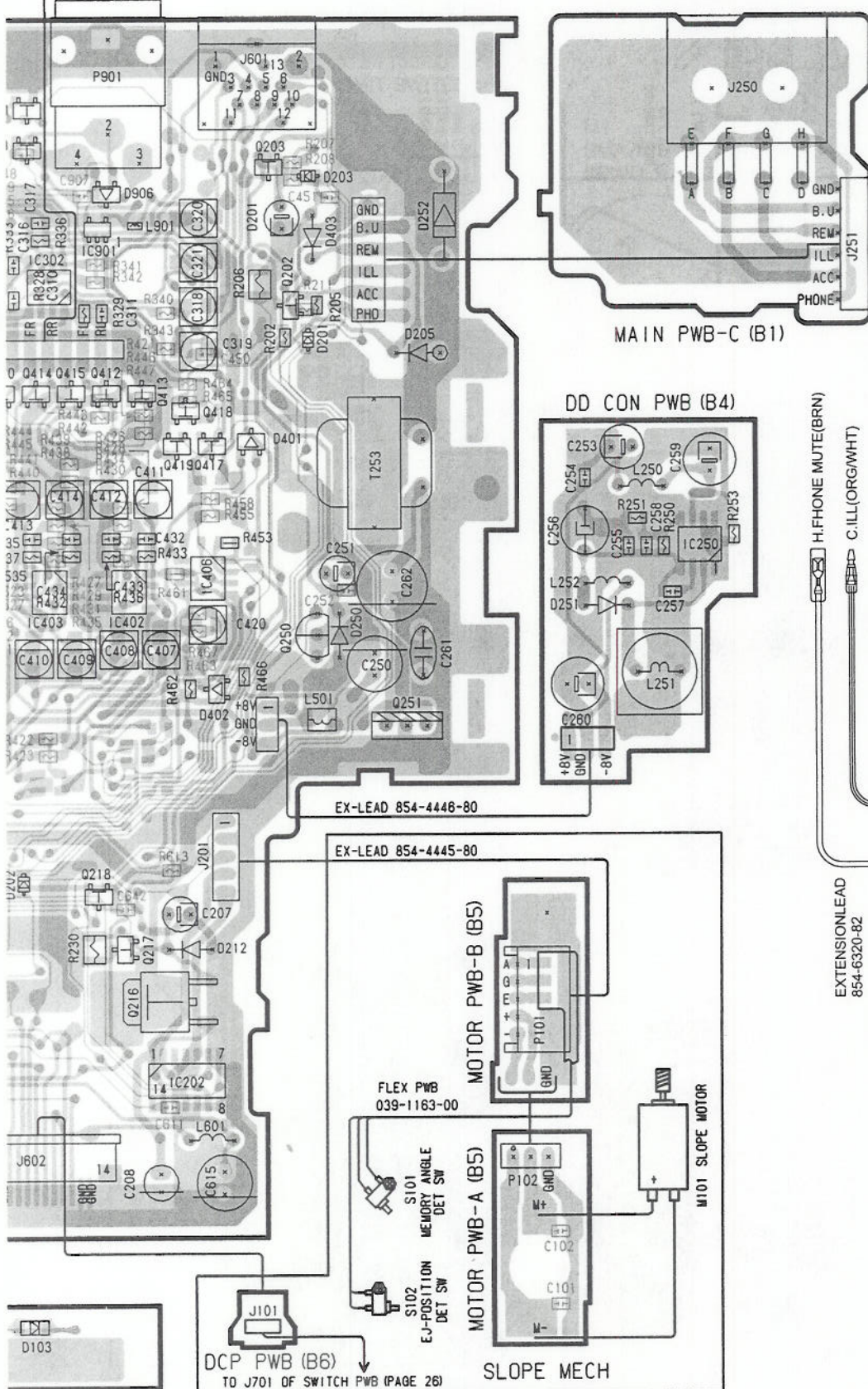
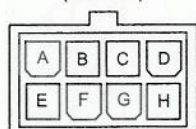
Main PWB section(B1) / DD con PWB section(B4)
Motor PWB section(B5) / DCP PWB section(B6)

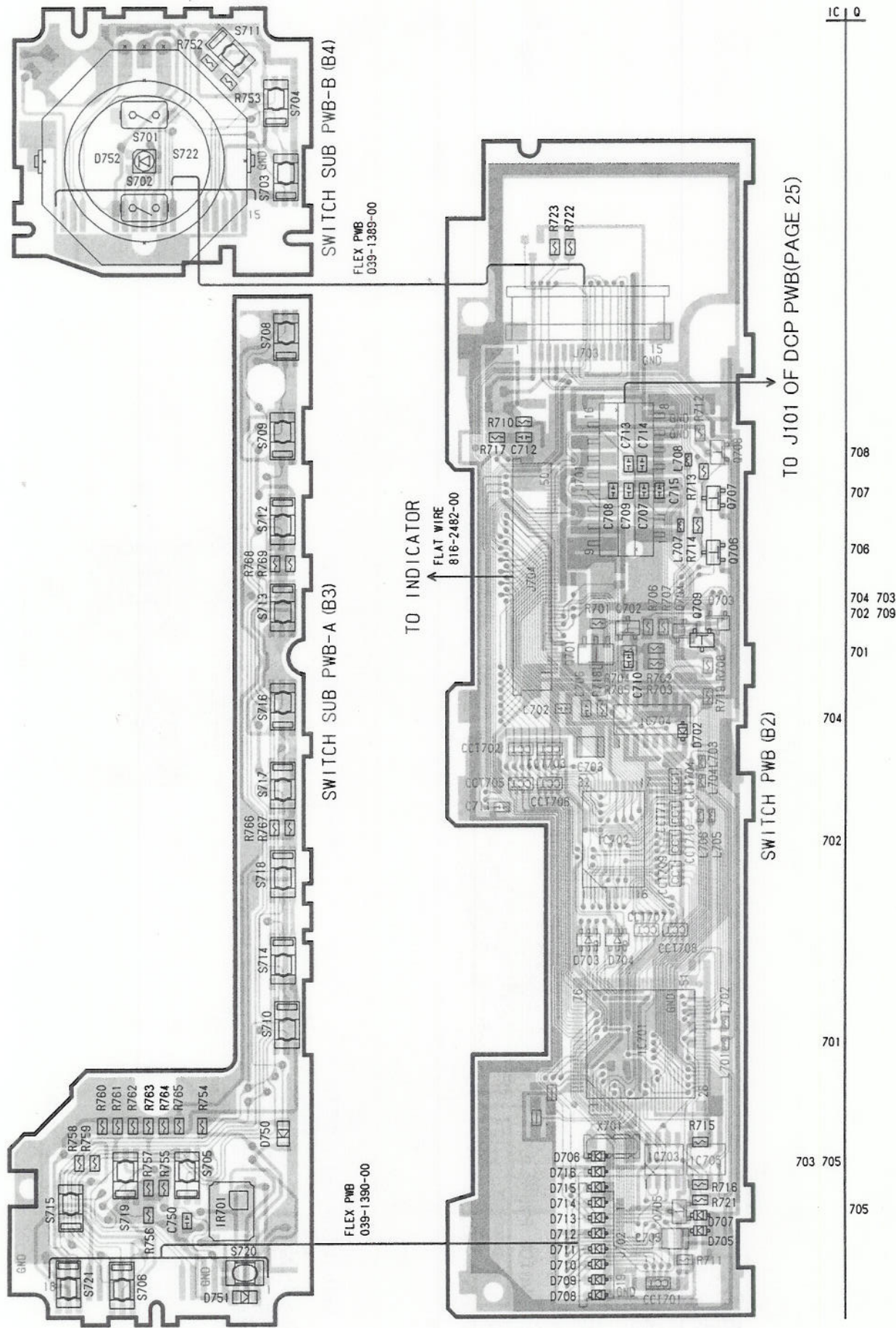


No.	Description
4	NC
5	NC
6	BUS(+)
7	R-CH(+)
8	R-CH(-)
9	SYS ACC
10	BUS(-)
11	L-CH(-)
12	ILLUMI
13	NC

No.	Description
4	NC
5	NC
6	BUS(+)
7	R-CH(+)
8	R-CH(-)
9	SYS ACC
10	BUS(-)
11	L-CH(-)
12	ILLUMI
13	NC

Pin No.	Color	Description
A	BLU/WHT	REMOTE ON
B	RED	ACC
C	ORG/WHT	ILLUMI
D	---	NC
E	BLK	GND
F	YEL	BACK UP
G	---	NC
H	BRN	PHONE MUTE





CD mechanism section(B7~10)

