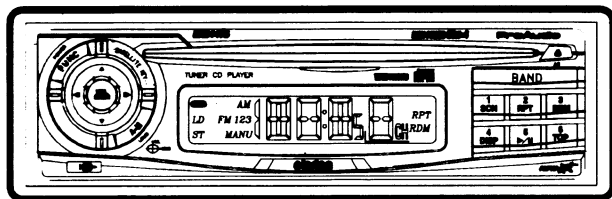
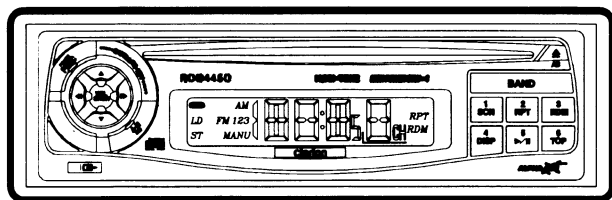


Service Manual



(PE-2157B-A)



(PE-2161B-A)

AM/FM Stereo CD Player

Model **DRB4475**
(PE-2157B-A)

Model **DRB4475**
(PE-2157K-A)

Model **RDB445D**
(PE-2161B-A)

SPECIFICATIONS

FM tuner section

Frequency range: 87.9MHz to 107.9MHz(U.S.A.)
87.5MHz to 108.0MHz(OTHERS)
Usable sensitivity: 11dBf
50dB quieting sensitivity:
17dBf
Alternate channel selectivity:
75dB
Stereo separation: 35dB(1kHz)
Frequency response: 30Hz to 15kHz(± 3 dB)

AM tuner section

Frequency range: 530kHz to 1,710kHz(U.S.A.)
531kHz to 1,629kHz(OTHERS)

Usable sensitivity: 25 μ V

CD section

System: Compact disc audio system
Usable Discs: Compact disc
Frequency Response: 20Hz to 20kHz(± 1 dB)
Signal to Noise Ratio: 96dB

Dynamic Range: 95dB(1kHz)

Audio section

Maximum power output:
140W(35WX4ch)
Continuous average power output:
14WX4, into 4 Ω , 20Hz to
20kHz, 1%THD
Bass control Action: ± 10 dB(100Hz)
Treble control action: ± 10 dB(10kHz)
Line output: 1.7V(with A/C 1kHz, 10k Ω)

General

Power supply voltage: 14.4V DC(10.8 to 15.6V
allowable), negative ground

Current consumption: Less than 10A

Speaker impedance: 4 Ω (4 Ω to 8 Ω allowable)

Weight

Source unit: 3.53lb.(1.6kg)

Dimensions

Source unit: 7"(W)X2"(H)X6"(D)
[178(W)X50(H)X152(D)mm]

※ Specifications comply with EIA Standards.

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

COMPONENTS

Main unit		1
Mounting bracket(Strap)	300-7668-00	1
Mounting bracket(Univ.)	300-9677-00	1
Escutcheon(OUT-ES)	370-9006-34	1
Extension lead	854-6314-51	1
Part's bag		
Hook plate	331-0488-00	2
Screw	716-0496-01	1

FEATURES

1. **MAGI-TUNE®** FM Reception System
2. AM/FM Bands-1 AM, 3 FM
3. 18F M/6 AM Touchbutton Memory
4. Automatic Station Store(AS)
5. 8-times Oversampling Digital Filter
6. Dual 1-bit" Bitstream" D/A Converters
7. Intro Music Scan
8. DIN Chassis with Detachable Control Panel
9. Digital Quartz Clock
10. Electronic Audio Controls
11. 4-Channel RCA Line Level Output with Fader Control
12. 140W(35WX4)Maximum Power Output

■ CHANGING THE RECEPTION AREA

This car stereo PE-2157B/PE-2161B (only U.S. model) is initially set to U.S.A. frequency intervals of 10kHz for AM and 200kHz for FM deviation. When using the player outside the U.S.A. the frequency reception range can switch to the intervals below:

		Initial setting (U.S. standard)	New setting (outside U.S.)
AM	Frequency intervals	10KHz	9KHz
	Frequency range	530 to 1710KHz	531 to 1629KHz
FM	Frequency intervals	200KHz	50KHz
	Frequency range	87.9 to 107.9MHz	87.5 to 108MHz

Setting the reception area

1. While pressing the BAND button, press the left button to change the area from inside the U.S. to outside the U.S.
2. While pressing the BAND button, press the right button to change the area from outside the U.S. to inside the U.S.

■ 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 mech-

anism,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 isopropoylalcohol to lens paper and wipe the lens gently.

■ TROUBLESHOOTING:

Symptom	Cause	Measure
Power does not switch on. (There is no sound produced.)	The fuse has blown.	Replace the fuse with one of the same rating.
	Wiring is incomplete.	Read the "installation/Wire Connection Guide"once again and wire properly.
The compact disc does not enter.	There is already a compact disc inside the idsc insertion slot.	Eject the compact disc and then insert another one.
The compact disc soon comes out again.	The compact disc has been inserted upside down.	Insert the compact disc with the labeled side facing up.
Sound skipping noise and other noise is heard.	The compact disc is dirty.	Wipe the compact disc with a soft cloth.
	The compact disc is severely scratched or warped.	Replace the compact disc with one that is in good condition.
The sound is poor immediately after switching on the power.	When the car is parcked in a humid place,dew might from on the internal lens.	Turn the unit on and wait for about 1 hour before operating.

※To protect the system,this unit has been equipped with self diagnostic functions.If a fault arises,a warning is issued by various error displays.
Follow the corrective measures and remove the fault.

Error Display	Corrective Measure
ER 2	This error display indicates that a fault has arisen in the mechanism of the source unit(for example,the disc connot be changed or ejected). →Check the source unit
ER 3	This error display indicates that the pickup focus is off because of a scratched disc or some other factor during source unit play. →Check the compact disc.

■ EXPLANATION OF IC:

■ LC72366-9374 052-1902-03 Tuner & CD Mechanism Controller

Configuration

80 pins, plastic QFP

IC explanation

Pin No.	Symbol	I/O	Function															
80	XOUT	O	Terminal for 4.5MHz X'tal oscillator															
1	XIN	I	It stops the mechanism as it judges the CD pickup is															
2	TEST2	-	LSI test terminal. Connected to GND.															
3	LCD SI	I	LCD driver serial I/O terminal group.															
4	LCD SO	O																
5	LCD SCK	O	LC75852 is used.															
6	LCD CE	O																
7	LDON	O	ON/OFF control output terminal of APC amplifier for laser															
		I	output control"L":laser "ON"															
8	CHA SW	I	Chucking SW input terminal. This terminal detects chucking completion of the disc. When a disc is loaded and chucking SW is ON,"L" is input.															
9	MCW	O	Control terminal of loading motor.															
10	MCCW	O	Disc is loaded and ejected. <table><tr><td></td><td>LOADING</td><td>EJECT</td><td>BRAKE</td><td>STO</td></tr><tr><td>MCW</td><td>H</td><td>L</td><td>H</td><td>L</td></tr><tr><td>MCCW</td><td>L</td><td>H</td><td>H</td><td>L</td></tr></table>		LOADING	EJECT	BRAKE	STO	MCW	H	L	H	L	MCCW	L	H	H	L
	LOADING	EJECT	BRAKE	STO														
MCW	H	L	H	L														
MCCW	L	H	H	L														
11	SQSO	I	Input terminal of SUB-Q data from CXD 2545Q															
12	NC	O	Not used															
13	SQCK	O	SUB-Q data reading clock output terminal from CXD 2545Q															
14	SENS	I	Input terminal of CDIC inner status output form CXD 2545Q XBUSY:During operation of automatic programmable controller.measuring average values and operation of automatic gain control(L) FOK :Focus OK(H) GFS :Regenerated frame sink is obtained at correct timing (H) SSTOP:Limi SW ON (H) OV64 :Spindle motor low speed rotation detection(H)															
15	XRST	O	Reset output terminal to CXD2545Q															
16	CLOK	O	Serial data transmission clock output terminal to CXD2545Q															
17	XLAT	O	Latch output terminal for serial data of CXD2545Q															
18	DATA	O	Serial data output terminal for controlling CXD2545Q															
19	INIT7																	
		O	Initial setting scan terminal															
26	INIT0																	
27	INIT IN	I	Initial setting scan input terminal															
28	TR-C		Mechanical photo sensor input terminal.															
29	TR-B	I	Terminal to detect the disc position in loading status.chucking															
30	TR-A		status and other machine status. With disc,"H" is input. Without disc,"L" is input.															
31	VDD	-	+5V power supply terminal															
32	SCLK	O	SENS data reading clock output terminal from CXD2545Q															
33	VOL SCK		Electronic volume control terminal group															
34	VOL SO	O																
35	VOL CE		LC5371M is used.															
36	CD PWR2	O	CD power 2 control output terminal. This port is determined as "H" during CD play,the power is supplied to CDIC.When stopping,the port is switched to "L" after stop of the spindle motor,then the CDIC power is turned OFF.															
37	CD PWR1	O	CD power 1 control output terminal Power is supplied to the CD machine at "H" output.															
38	REM+B	O	Audio system power control terminal															
39	MUTE	O	Mute output. Mute ON at "H"															

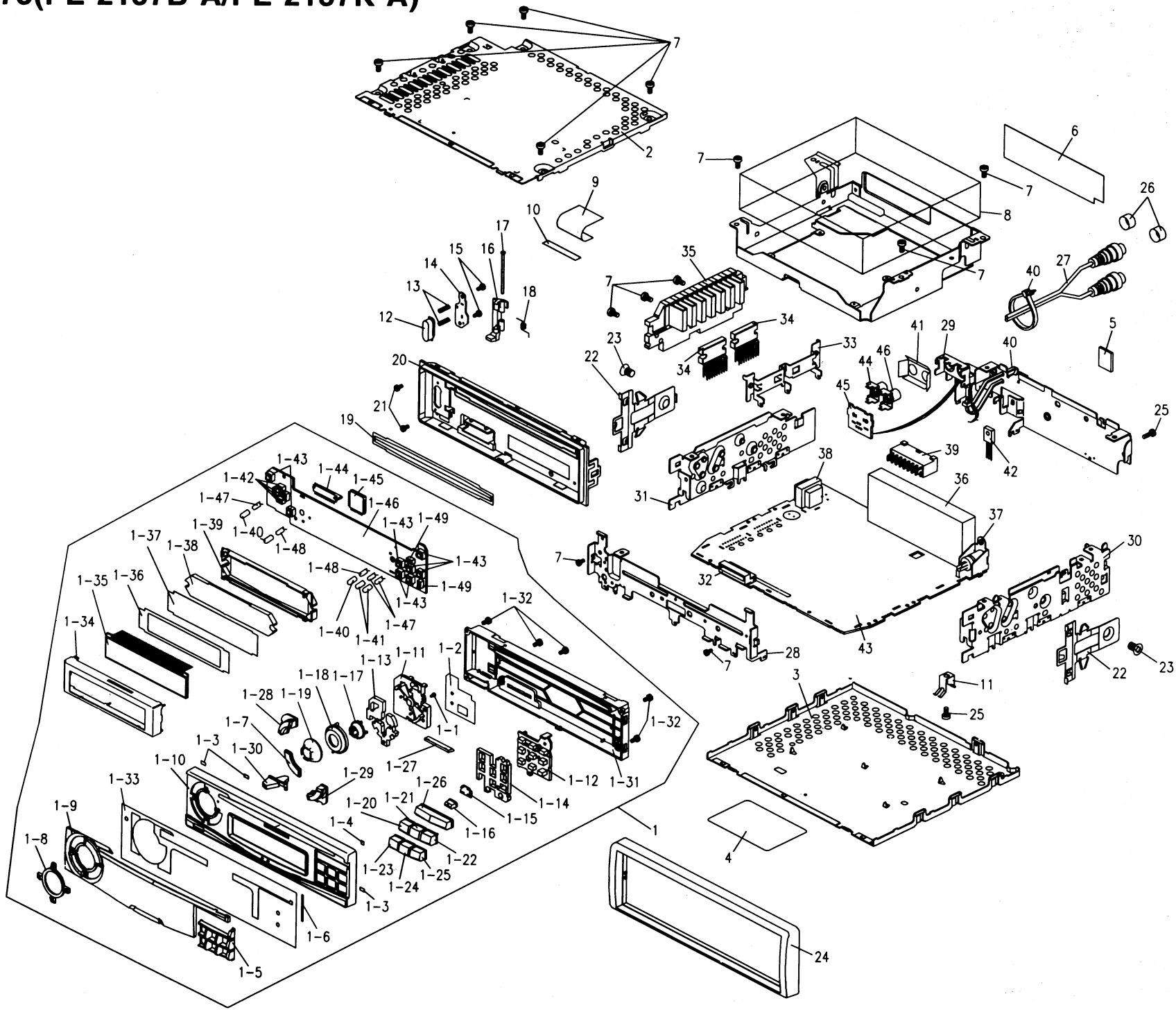
Pin No.	Symbol	I/O	Function
40	AUTO ANT	O	For Japan: "H" is output in radio mode only.
			For other markets, "L" is always output.
41	AMLOCAL	O	L/M only for Europe. DX/LOCAL control terminal is LOCAL
			at "H" during AM seeking.
42	AM ST/LW	O	For Japan: "H" is output in ST mode in AM.
			For Europe with L/M: "H" is output in LW and "L" is output in
			MW.
43	IF REQ	O	"H" is output during seeking.
44	BEEP	O	BEEP (2.5KHz) is output in test mode.
			Terminal for clock deviation check.
45	ROTARY A	I	Rotation VOL input A
46	ROTARY B	I	Rotation VOL input B
47			
48	NC	-	Not used (connected to GND)
49			
50	SK DET	I	For Europe only: "SK" lights at "H"
			Always off during other modes or seeking
51	FM SD	I	FM SD input
52	ST	I	FM ST input "ST" lights at "L"
			Always off during other modes or seeking.
			Valid in AM Japan.
53	NC	I	Not used (connected to GND)
54	AM SD	I	AM SD input
55	SCOR	I	Signal from sub-code sink SO/SI output terminal of CXD2545Q
			is input.
56	BU DET	I	BU detection terminal. (Used for interruption)
57	FMLOCAL	O	Europe only. DX/LOCAL control terminal is LOCAL at "L"
			during FM seeking.
58	REM+5	O	Microcomputer pull-up. Power control terminal of LCD driver.
59	AM CONT	O	AM power ON control terminal.
60	FM CONT	O	FM power ON control terminal.
61	BU DET	I	BU detection terminal. (Used for interruption)
62	TEMP	I	Thermosensor input terminal (A/D used)
63	KEY AD	I	Detection terminal of EJECT/FUNC/DCP SW (A/D used).
64			
66	NC		Not used (connected to GND)
67	HOLD	I	PLL control. CLOCK STOP mode control terminal.
68	SNS	I	Voltage sense terminal
69	AM IF	I	AM IF counter input
70	FM IF	I	FM IF counter input.
71	EO3	O	Charge pump output terminal of 2nd PLL. Not used.
72	SUBPD	O	Sub-charge pump output terminal. Not used.
73	VDD	O	+5V power supply terminal
74	AM OSC	I	AM VCO (local oscillation) input terminal
75	FM OSC	I	FM VCO (local oscillation) input terminal
76	VSS		GND terminal
77	EO2	O	Main charge pump output terminal. Not used.
78	EO1	O	Main charge pump output terminal.
79	TEST1		LSI test terminal. Connected to GND.

Initial setting (19-26 pin)

Initial setting terminal	Japan with AM ST	Japan AM MONO	Third area	North America
INT0	H	L	L	L
INT1	*	H	L	L
INT2	*	*	H	L
INT3	*	*	*	*

Initial setting terminal	Normal VOL specification	Rotation VOL specification
INT4	L	H

■ EXPLODED VIEW • PARTS LIST:
• DRB4475(PE-2157B-A/PE-2157K-A)



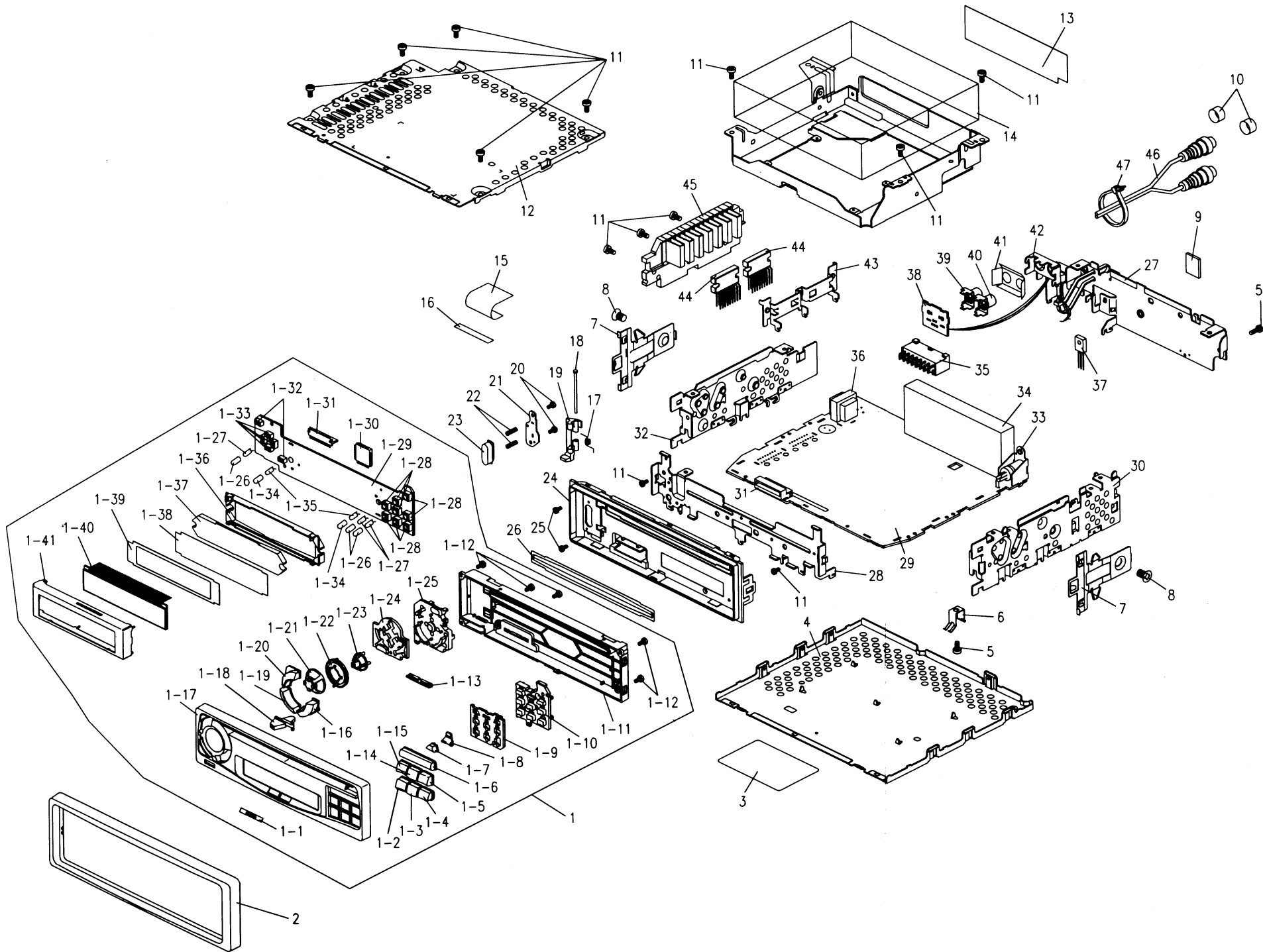
No.	PARTS No.	DESCRIPTION	Q'TY
1	DCY-132-600	DCP ASSY (PE-2157B)	1
	940-1888A	DCP ASSY (PE-2157K)	1
1-1	716-0872-00	PAD SCREW	1
1-2	347-5655-00	SHADE	1
1-3	347-5650-00	SHADE	3
1-4	347-5651-00	SHADE	1
1-5	373-0862-00	DIAL-CVR (S)	1
1-6	347-5589-00	DOUBLE FACE	1
1-7	381-0179-00	TRIM BUTTON	1
1-8	373-0863-20	JOG RING	1
1-9	373-0857-00	DIAL COVER (PE-2157B)	1
	373-0857-01	DIAL COVER (PE-2157K)	1

1-10	370-5709-00	ESCUTCHEON (PE-2157B)	1
	370-5709-05	ESCUTCHEON (PE-2157K)	1
1-11	335-5581-00	ILLUMI. PLATE (L)	1
1-12	335-5576-00	ILLUMI. PLATE (R)	1
1-13	345-8009-00	SPONGE (L)	1
1-14	345-8004-00	SPONGE (R)	1
1-15	335-5571-00	BUTTON HOLDER	1
1-16	382-4730-00	BUTTON (EJECT)	1
1-17	335-5568-00	JOG ARM	1
1-18	335-5569-00	JOG PLATE	1
1-19	382-4716-00	JOG KNOB	1
1-20	382-4705-01	BUTTON (1/SCN)	1
1-21	382-4706-01	BUTTON (2/RPT)	1

1-22	382-4707-01	BUTTON (3/RDM)	1
1-23	382-4708-01	BUTTON (4/DISP)	1
1-24	382-4709-01	BUTTON (5/>II)	1
1-25	382-4710-01	BUTTON (6/TOP)	1
1-26	382-4729-00	BUTTON (BAND)	1
1-27	335-5573-00	ILLUMI. PLATE	1
1-28	382-4717-00	BUTTON (FUNC.)	1
1-29	382-4721-00	BUTTON (A-M)	1
1-30	382-4732-00	BUTTON (RELEASE)	1
1-31	335-5566-00	REAR COVER	1
1-32	716-1721-00	SPECIAL SCREW	5
1-33	347-5587-00	DOUBLE FACE	1
1-34	331-2014-00	LCD COVER	1

No.	PARTS No.	DESCRIPTION	Q'TY
1-35	379-1111-21	LCD	1
1-36	347-5583-00	FILM	1
1-37	347-5365-00	SHADE	1
1-38	335-5308-00	LCD ILLUMI	1
1-39	335-5309-00	LCD HOLDER	1
1-40	345-4441-81	LAMP CAP (YELLOW)	2
1-41	345-4441-37	LAMP CAP (BLUE)	3
1-42	013-6001-50	SWITCH	4
1-43	013-6002-50	SWITCH	8
1-44	076-0522-00	PLUG	1
1-45	051-6016-00	IC	1
1-46	039-1085-00	SWITCH PWB	1
1-47	017-0444-00	PILOT LAMP(14V 50mA)	3
1-48	017-0441-00	PILOT LAMP(9V 85mA)	2
1-49	013-3812-11	SWITCH	2
2	303-0457-00	UPPER CVR	1
3	304-0440-01	LOWER CVR	1
4	286-8911-00	SET PLATE (PE-2157B)	1
	286-8920-00	SET PLATE (PE-2157K)	1
5	345-7740-00	RUBBER SHEET	1
6	347-5215-00	INSULATOR (TUNER)	1
7	731-3006-80	TAP TIGHT SCREW	13
8	929-0065-80	CD MECHANISM	1
9	816-2376-01	FLAT CABLE	1
10	347-5300-00	DOUBLE FACE	1
11	331-1825-00	EARTH PLATE	1
12	382-4078-00	BUTTON (P-OUT)	1
13	750-3173-00	SPRING	2
14	331-2002-00	HOOK PLATE	1
15	716-0778-00	WAVE SCREW	2
16	335-5312-00	HOOK	1
17	341-1627-00	SHAFT	1
18	750-3219-00	SPRING (F-HOOK)	1
19	346-0097-00	LEATHER SHEET	1
20	370-5655-00	INNER-ES.	1
21	714-2004-19	MACHINE SCREW	2
22	750-3137-00	SPRING	2
23	714-5008-41	MACHINE SCREW	2
24	370-9006-34	OUTER ESCUTCHEON	1
25	714-3006-81	MACHINE SCREW	2
26	345-3799-00	RUBBER PART	2
27	855-5414-00	RCA PIN CORD	1
28	309-0664-01	FRONT-PLATE	1
29	307-0512-20	REAR-CVR	1
30	305-0247-01	SIDE CVR (R)	1
31	305-0242-01	SIDE CVR (L)	1
32	074-1112-00	OUTLET SOCKET	1
33	331-1766-00	IC HOLDER	1
34	051-2009-00	IC	2
35	313-1643-00	HEAT SINK	1
36	880-2079B	TUNER	1
37	092-9000-00	ANT-RECEPT	1
38	009-9006-50	CHOKE	1
39	074-1023-16	OUTLET SOCKET	1
40	335-0833-07	CABLE TIE	2
41	347-5216-00	INSULATOR (RCA)	1
42	102-3420-00	TRANSISTOR	1
43	039-1087-00	MAIN PWB	1
44	075-9004-00	RCA JACK (R)	1
45	039-0607-01	RCA PWB	1
46	075-9003-00	RCA JACK (L)	1

■ EXPLODED VIEW • PARTS LIST:
• RDB445D(PE-2161B-A)



No.	PARTS No.	DESCRIPTION	Q'TY
1	DCY-129-600	DCP ASSY	1
1-1	378-0148-00	BADGE	1
1-2	382-4421-21	BUTTON (4/DISP)	1
1-3	382-4422-21	BUTTON (5/>III)	1
1-4	382-4423-21	BUTTON (6/TOP)	1
1-5	382-4420-21	BUTTON (3/RDM)	1
1-6	382-4417-22	BUTTON (BAND)	1
1-7	382-4453-00	BUTTON(EJE)	1
1-8	335-5286-00	BUTTON HOLDER	1
1-9	345-7817-00	SPONGE (R)	1
1-10	335-5306-00	ILLUMI. PLATE (R)	1

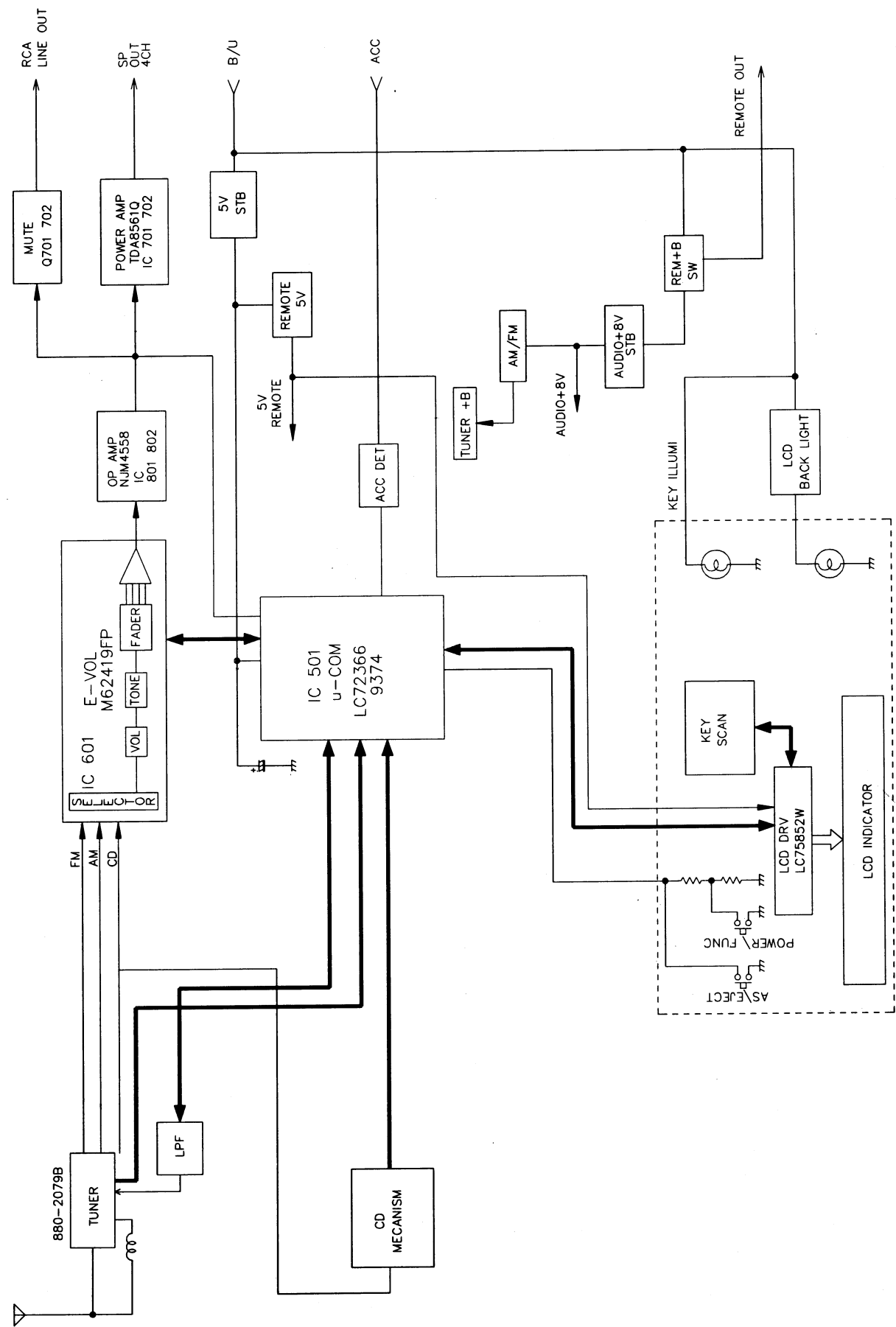
1-11	335-5296-00	REAR COVER	1
1-12	716-1721-00	P-TIGHT-SCREW	5
1-13	335-4874-00	ILLUMI. PLATE	1
1-14	382-4419-21	BUTTON (2/RPT)	1
1-15	382-4418-21	BUTTON (1/SCN)	1
1-16	382-4397-20	BUTTON (A-M)	1
1-17	370-5640-01	ESCUTCHEON	1
1-18	382-4470-00	BUTTON (RELEASE)	1
1-19	381-0178-00	TRIM BUTTON	1
1-20	382-4393-20	BUTTON (FUNC.)	1
1-21	380-5394-20	JOG KNOB	1
1-22	335-5297-00	JOG PLATE	1

1-23	335-5298-00	JOG ARM	1
1-24	345-7818-01	SPONGE (L)	1
1-25	335-5307-00	ILLUMI. PLATE (L)	1
1-26	345-4441-37	LAMP CAP (BLUE)	3
1-27	017-0444-00	PILOT LAMP(14V 50mA)	3
1-28	013-6002-50	TACT SWITCH	8
1-29	039-1086-00	SWITCH PWB	1
1-30	051-6016-00	IC	1
1-31	076-0522-00	PLUG	1
1-32	013-3812-11	TACT SWITCH	2
1-33	013-6001-50	TACT SWITCH	4
1-34	345-4441-81	LAMP CAP (YELLOW)	2

No.	PARTS No.	DESCRIPTION	Q'TY
1-35	017-0441-00	PILOT LAMP(9V 85mA)	2
1-36	335-5309-00	LCD HOLDER	1
1-37	335-5308-00	LCD ILLUMI	1
1-38	347-5365-00	SHADE	1
1-39	347-5583-00	FILM	1
1-40	379-1111-21	LCD	1
1-41	331-2014-00	LCD COVER	1
2	370-5656-01	OUTER ESCUTCHEON	1
3	286-8915-00	SET PLATE	1
4	304-0440-01	LOWER COVER	1
5	714-3006-81	MACHINE SCREW	2
6	331-1825-00	EARTH PLATE	1
7	750-3137-00	SPRING	2
8	714-5008-41	MACHINE SCREW	2
9	345-7740-00	RUBBER SHEET	1
10	345-3799-00	RUBBER PART	2
11	731-3006-80	TAP TIGHT SCREW	13
12	303-0457-00	UPPER COVER	1
13	347-5215-00	INSULATOR(TUNER)	1
14	929-0065-80	CD-MECH-MODULE	1
15	816-2376-01	FLAT CABLE	1
16	347-5300-00	DOUBLE FACE	1
17	750-3219-00	SPRING(F-HOOK)	1
18	341-1627-00	SHAFT(HOOK)	1
19	335-5312-00	HOOK	1
20	716-0778-00	WAVE SCREW	2
21	331-2002-00	HOOK PLATE	1
22	750-3173-00	SPRING	2
23	382-4078-00	BUTTON(P-OUT)	1
24	370-5655-00	INNER-ES	1
25	714-2004-19	MACHINE SCREW	2
26	346-0097-00	LEATHER SHEET	1
27	335-0833-07	CABLE TIE	2
28	309-0664-01	FRONT-PLATE	1
29	039-1087-00	MAIN PWB	1
30	305-0247-01	SIDE COVER(R)	1
31	074-1112-00	OUTLET SOCKET	1
32	305-0242-01	SIDE COVER(L)	1
33	092-9000-00	ANT-RECEPT	1
34	880-2079B	TUNER(U,K,E)	1
35	074-1023-16	OUTLET SOCKET	1
36	009-9006-50	CHOKE	1
37	102-3420-00	IC	1
38	039-0607-01	PWB(RCA)	1
39	075-9004-00	RCA JACK	1
40	075-9003-00	RCA JACK	1
41	347-5216-00	INSULATOR(RCA)	1
42	307-0512-20	REAR-COVER	1
43	331-1766-00	IC BRACKET	1
44	051-2009-00	IC	2
45	313-1643-00	HEAT SINK	1
46	855-5414-00	RCA PIN CORD	1

■ BLOCK DIAGRAM:

CD Mechanism section



■ ELECTRICAL PARTS LIST:

• DRB4475/RDB445D(PE-2157B-A/PE-2157K-A/PE-2161B-A)

Main PWB section

REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION
IC 501	052-1902-03	LC72366	L 102	010-9000-01	120 μ H	C 601	182-2253-63	50V 2.2 μ F
IC 601	051-5008-00	M62419FP	L 401	010-9000-02	220 μ H	C 602	182-2253-63	50V 2.2 μ F
IC 801	051-0350-55	NJM4558M	L 501	010-9000-02	220 μ H	C 603	182-3343-63	50V 0.33 μ F
IC 802	051-0350-55	NJM4558M	L 701	009-9006-50	0.4mH	C 604	182-1063-33	16V 10 μ F
IC 701	051-2009-00	TDA8561Q	X 501	061-1053-00	4.5MHz	C 605	182-1063-33	16V 10 μ F
IC 702	051-2009-00	TDA8561Q	C 101	178-1032-05	25V 0.01 μ F	C 606	178-4732-05	25V 0.047 μ F
Q 101	102-2458-51	2SC2458GR	C 102	178-1032-05	25V 0.01 μ F	C 607	174-5600-13	50V 56PF
Q 102	102-2458-51	2SC2458GR	C 103	176-1801-00	50V 18PF	C 608	174-5600-13	50V 56PF
Q 104	100-1548-00	2SA1548	C 104	042-9003-00	10V 100 μ F	C 609	176-1511-00	50V 150PF
Q 105	100-1548-00	2SA1548	C 105	178-1032-05	25V 0.01 μ F	C 610	182-4753-63	50V 4.7 μ F
Q 301	103-1450-50	2SD1450	C 106	178-2732-05	25V 0.027 μ F	C 611	182-4753-63	50V 4.7 μ F
Q 302	103-1450-50	2SD1450	C 107	178-2732-05	25V 0.027 μ F	C 612	176-1511-00	50V 150PF
Q 303	103-1450-50	2SD1450	C 108	178-1032-05	25V 0.01 μ F	C 613	178-8232-05	25V 0.082 μ F
Q 304	103-1450-50	2SD1450	C 109	178-3332-05	25V 0.033 μ F	C 614	182-2253-63	50V 2.2 μ F
Q 401	102-2458-00	2SC2458	C 110	181-3353-62	50V 3.3 μ F	C 615	178-8232-05	25V 0.082 μ F
Q 402	103-1858-00	2SD1858	C 111	178-1022-05	50V 1000PF	C 616	182-2253-63	50V 2.2 μ F
Q 403	103-1858-00	2SD1858	C 112	178-1032-05	25V 0.01 μ F	C 617	182-2263-33	16V 22 μ F
Q 404	103-1858-00	2SD1858	C 114	160-1022-05	50V 1000PF	C 618	182-2263-33	16V 22 μ F
Q 405	103-1858-00	2SD1858	C 115	171-1032-06	25V 0.01 μ F	C 619	178-5622-05	50V 5600PF
Q 406	125-0003-02	RN2202	C 203	160-1022-05	50V 1000PF	C 620	178-5632-05	25V 0.056 μ F
Q 407	125-2003-02	RN1202	C 204	178-1022-05	50V 1000PF	C 621	178-5622-05	50V 5600PF
Q 408	102-3420-00	2SC3420	C 301	182-1063-33	16V 10 μ F	C 622	178-5622-05	50V 5600PF
Q 409	125-0003-02	RN2202	C 302	182-1063-33	16V 10 μ F	C 623	178-5632-05	25V 0.056 μ F
Q 410	125-2003-02	RN1202	C 303	182-1063-33	16V 10 μ F	C 624	178-5622-05	50V 5600PF
Q 411	101-1243-00	2SB1243	C 304	182-1063-33	16V 10 μ F	C 625	182-1063-33	16V 10 μ F
Q 412	125-2003-02	RN1202	C 401	182-1063-33	16V 10 μ F	C 626	182-1063-33	16V 10 μ F
Q 413	103-1858-00	2SD1858	C 402	182-4763-23	10V 47 μ F	C 627	182-4763-23	10V 47 μ F
Q 414	103-1858-00	2SD1858	C 403	182-1063-33	16V 10 μ F	C 701	182-1053-63	50V 1 μ F
Q 501	125-0003-02	RN2202	C 404	178-4732-05	25V 0.047 μ F	C 702	042-9002-00	50V 0.47 μ F(LN)
Q 502	102-2458-00	2SC2458	C 405	182-1063-33	16V 10 μ F	C 703	042-9002-00	50V 0.47 μ F(LN)
Q 503	125-0003-02	RN2202	C 406	171-1032-06	25V 0.01 μ F	C 704	042-9002-00	50V 0.47 μ F(LN)
Q 504	125-0003-02	RN2202	C 407	182-4763-23	10V 47 μ F	C 705	042-9002-00	50V 0.47 μ F(LN)
Q 505	102-2458-00	2SC2458	C 501	177-1042-05	16V 0.1 μ F	C 706	178-2232-05	25V 0.022 μ F
Q 701	125-2003-02	RN1202	C 502	182-4763-13	6.3V 47 μ F	C 707	178-1022-05	50V 1000PF
Q 702	125-0003-02	RN2202	C 503	171-1043-06	25V 0.1 μ F	C 708	173-1042-10	50V 0.1 μ F
D 101	001-0376-69	MTZ18JB	C 504	176-1011-00	50V 100PF	C 709	042-0447-00	16V 2200 μ F
D 102	001-0376-69	MTZ18JB	C 505	176-1011-00	50V 100PF	C 801	176-1011-00	50V 100PF
D 103	001-0294-00	1SS133T-77	C 506	176-1011-00	50V 100PF	C 802	176-1011-00	50V 100PF
D 104	001-0294-00	1SS133T-77	C 507	176-1011-00	50V 100PF	C 803	176-1011-00	50V 100PF
D 401	001-0376-32	MTZ5.6JB	C 508	176-2201-00	50V 22PF	C 804	176-1011-00	50V 100PF
D 402	001-0294-00	1SS133T-77	C 509	176-2201-00	50V 22PF	C 805	042-9003-00	10V 100 μ F
D 403	001-0294-00	1SS133T-77	C 510	182-1063-33	16V 10 μ F	R 102	117-2221-10	1/10W 2.2K Ω
D 404	001-0376-48	MTZ9.1JC	C 511	176-1011-00	50V 100PF	R 103	117-5621-10	1/10W 5.6K Ω
D 405	001-0376-32	MTZ5.6JB	C 512	177-1042-05	16V 0.1 μ F	R 104	117-1231-10	1/10W 12K Ω
D 406	001-0376-45	MTZ8.2JC	C 513	160-1022-05	50V 1000PF	R 105	117-3931-10	1/10W 39K Ω
D 407	001-0294-00	1SS133T-77	C 514	160-1022-05	50V 1000PF	R 106	111-1031-91	1/4WSS 10K Ω
D 408	001-0376-41	MTZ7.5JB	C 515	171-1043-06	25V 0.1 μ F	R 108	117-2221-10	1/10W 2.2K Ω
D 409	001-0294-00	1SS133T-77	C 516	177-1042-05	16V 0.1 μ F	R 109	111-4721-91	1/4WSS 4.7K Ω
D 410	001-0376-48	MTZ9.1JC	C 517	171-1032-06	25V 0.01 μ F	R 110	111-2221-91	1/4WSS 2.2K Ω
D 501	001-0294-00	1SS133T-77	C 518	160-1022-05	50V 1000PF	R 111	111-1021-91	1/4WSS 1K Ω
D 502	001-0376-36	MTZ6.2JC	C 519	178-4732-05	25V 0.047 μ F	R 112	111-1031-91	1/4WSS 10K Ω
D 601	001-0376-23	MTZ4.3JB	C 520	160-1022-05	50V 1000PF	R 113	111-1031-91	1/4WSS 10K Ω
D 701	001-0376-29	MTZ5.1JB	C 521	178-1022-05	50V 1000PF	R 114	111-2221-91	1/4WSS 2.2K Ω
D 702	001-0294-00	1SS133T-77	C 522	182-1053-63	50V 1 μ F	R 115	111-2221-91	1/4WSS 2.2K Ω
D 703	001-0188-01	1S1885A	C 523	178-1032-05	25V 0.01 μ F	R 120	117-2231-10	1/10W 22K Ω
L 101	010-9000-05	5.6 μ H	C 524	042-9003-00	10V 100 μ F	R 301	117-1031-10	1/10W 10K Ω

REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION
R 302	117-1031-10	1/10W 10KΩ	R 418	111-4711-81	1/2WS 470Ω	R 606	117-6821-10	1/10W 6.8KΩ
R 303	117-3311-10	1/10W 330Ω	R 501	117-2231-10	1/10W 22KΩ	R 607	117-2431-10	1/10W 24KΩ
R 304	117-3311-10	1/10W 330Ω	R 502	117-2231-10	1/10W 22KΩ	R 608	117-1831-10	1/10W 18KΩ
R 305	117-5621-10	1/10W 5.6KΩ	R 503	117-2431-10	1/10W 27KΩ	R 609	117-3331-10	1/10W 33KΩ
R 306	117-5621-10	1/10W 5.6KΩ	R 504	111-1031-91	1/4WSS 10KΩ	R 610	117-2431-10	1/10W 24KΩ
R 307	117-1031-10	1/10W 10KΩ	R 505	117-1031-10	1/10W 10KΩ	R 611	117-1831-10	1/10W 18KΩ
R 308	117-1031-10	1/10W 10KΩ	R 506	111-4721-91	1/4WSS 4.7KΩ	R 612	117-3331-10	1/10W 33KΩ
R 309	117-3311-10	1/10W 330Ω	R 507	111-1031-91	1/4WSS 10KΩ	R 613	111-3311-91	1/4WSS 330Ω
R 310	117-3311-10	1/10W 330Ω	R 508	117-2221-10	1/10W 2.2KΩ	R 701	117-3321-10	1/10W 3.3KΩ
R 311	117-5621-10	1/10W 5.6KΩ	R 509	117-1031-10	1/10W 10KΩ	R 702	111-2231-91	1/4WSS 22KΩ
R 312	117-5621-10	1/10W 5.6KΩ	R 510	117-1041-10	1/10W 100KΩ	R 703	117-4721-10	1/10W 4.7KΩ
R 401	111-1531-91	1/4WSS 15KΩ	R 511	117-2221-10	1/10W 2.2KΩ	R 704	117-4721-10	1/10W 4.7KΩ
R 402	111-1021-91	1/4WSS 1KΩ	R 512	117-2221-10	1/10W 2.2KΩ	R 705	117-4721-10	1/10W 4.7KΩ
R 403	111-2291-91	1/4WSS 2.2Ω	R 513	117-1041-10	1/10W 100KΩ	R 706	117-4721-10	1/10W 4.7KΩ
R 404	111-2291-91	1/4WSS 2.2Ω	R 514	117-1041-10	1/10W 100KΩ	R 801	116-7521-10	1/8W 7.5KΩ
R 405	111-4711-81	1/2WS 470Ω	R 515	117-1041-10	1/10W 100KΩ	R 802	117-4721-10	1/10W 4.7KΩ
R 406	111-1091-91	1/4WSS 1Ω	R 516	117-1031-10	1/10W 10KΩ	R 804	117-7521-10	1/10W 7.5KΩ
R 407	111-1091-91	1/4WSS 1Ω	R 517	117-1021-10	1/10W 1KΩ	R 805	117-4721-10	1/10W 4.7KΩ
R 408	111-2211-91	1/4WSS 220Ω	R 518	117-6841-10	1/10W 680KΩ	R 807	116-7521-10	1/8W 7.5KΩ
R 409	111-3311-91	1/4WSS 330Ω	R 519	117-1041-10	1/10W 100KΩ	R 808	117-4721-10	1/10W 4.7KΩ
R 410	111-5611-81	1/2WS 560Ω	R 520	117-1041-10	1/10W 100KΩ	R 810	116-7521-10	1/8W 7.5KΩ
R 411	111-1031-91	1/4WSS 10KΩ	R 601	117-4731-10	1/10W 47KΩ	R 812	117-4721-10	1/10W 4.7KΩ
R 412	117-1531-10	1/10W 15KΩ	R 602	117-4731-10	1/10W 47KΩ	CN 101	074-1112-00	OUTLET SOCKET
R 413	111-4711-91	1/4WSS 470Ω	R 603	117-6831-10	1/10W 68KΩ	CN 102	074-1023-16	OUTLET SOCKET
R 414	111-2291-91	1/4WSS 2.2Ω	R 604	117-6831-10	1/10W 68KΩ	CN 103	075-9004-00	JACK (WHITE)
R 415	111-2291-91	1/4WSS 2.2Ω	R 605	117-6821-10	1/10W 6.8KΩ	CN 104	075-9003-00	RCA JACK (RED)

• DRB4475(PE-2157B-A/PE-2157K-A)

Switch PWB section

REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION
IC 101	051-6016-00	LC75852W	R 108	117-6821-10	1/10W 6.8KΩ	SW 107	013-6002-50	SKHVBC3430CR
D 101	001-0516-90	MA111	PL 101	017-0441-00	9V 85mA	SW 108	013-6001-50	SKQCAB
C 101	042-0397-50	16V 1 μ F	PL 102	017-0441-00	9V 85mA	SW 109	013-6001-50	SKQCAB
C 102	178-6812-05	25V 680PF	PL 103	017-0444-00	14V 50mA	SW 110	013-3812-11	SKQCAC(260G)
C 103	178-4735-06	25V 0.047 μ F	PL 104	017-0444-00	14V 50mA	SW 111	013-6002-50	SKHVBC3430CR
R 101	117-2221-10	1/10W 2.2KΩ	PL 105	017-0444-00	14V 50mA	SW 112	013-6002-50	SKHVBC3430CR
R 102	117-2221-10	1/10W 2.2KΩ	SW 101	013-3812-11	SKQCAC(260G)	SW 113	013-6002-50	SKHVBC3430CR
R 103	117-2221-10	1/10W 2.2KΩ	SW 102	013-6002-50	SKHVBC3430CR	SW 114	013-6002-50	SKHVBC3430CR
R 104	117-1031-10	1/10W 10KΩ	SW 103	013-6002-50	SKHVBC3430CR			
R 105	117-2241-10	1/10W 220KΩ	SW 104	013-6001-50	SKQCAB			
R 106	117-6831-10	1/10W 68KΩ	SW 105	013-6001-50	SKQCAB			
R 107	117-2731-10	1/10W 27KΩ	SW 106	013-6002-50	SKHVBC3430CR			

• RDB445D(PE-2161B-A)

Switch PWB section

REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION
IC 101	051-6016-00	LC75852W	R 108	117-6821-10	1/10W 6.8KΩ	SW 107	013-6002-50	SKHVBC3430CR
D 101	001-0516-90	MA111	PL 101	017-0441-00	9V 85mA	SW 108	013-6001-50	SKQCAB
C 101	042-0397-50	16V 1 μ F	PL 102	017-0441-00	9V 85mA	SW 109	013-6001-50	SKQCAB
C 102	178-6812-05	25V 680PF	PL 103	017-0444-00	14V 50mA	SW 110	013-3812-11	SKQCAC(260G)
C 103	178-4735-06	25V 0.047 μ F	PL 104	017-0444-00	14V 50mA	SW 111	013-6002-50	SKHVBC3430CR
R 101	117-2221-10	1/10W 2.2KΩ	PL 105	017-0444-00	14V 50mA	SW 112	013-6002-50	SKHVBC3430CR
R 102	117-2221-10	1/10W 2.2KΩ	SW 101	013-6002-50	SKHVBC3430CR	SW 113	013-3812-11	SKQCAC(260G)
R 103	117-2221-10	1/10W 2.2KΩ	SW 102	013-6002-50	SKHVBC3430CR	SW 114	013-6002-50	SKHVBC3430CR
R 104	117-1031-10	1/10W 10KΩ	SW 103	013-6002-50	SKHVBC3430CR			
R 105	117-2241-10	1/10W 220KΩ	SW 104	013-6001-50	SKQCAB			
R 106	117-6831-10	1/10W 68KΩ	SW 105	013-6001-50	SKQCAB			
R 107	117-2731-10	1/10W 27KΩ	SW 106	013-6002-50	SKHVBC3430CR			

■ PARTS LIST:

CD Mechanism section 929-0065-80(BB-CD)

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

No.	PARTS No.	DESCRIPTION	Q'TY	No.	PARTS No.	DESCRIPTION	Q'TY
1	HBS-433-100	DRIVE UNIT	1	13	345-7514-00	S-PEB-SHEET	1
1-1	013-7100-00	LIMIT SWITCH	1	14	620-0485-03	FRONT PALTE	1
1-2	620-0198-03	CLAMPER PLATE	1	15	620-0488-01	S-L-LINK PLATE	1
1-3	620-0491-03	SPRING PLATE	1	16	620-0489-01	MOTOR PALTE	1
1-4	620-0690-00	RATTLE PLATE	1	17	620-0492-01	MOTOR BRACKET	1
1-5	621-0205-02	CLAMPER PLATE	1	18	620-0691-05	MECHA BRACKET	1
1-6	621-0251-03	LOCK LINK	1	19	621-0402-00	U-DISC GUIDE	1
1-7	621-0252-03	DISC STOPPER	1	20	621-0243-02	ROLLER SLEEVE	2
1-8	621-0253-01	MOTOR HOLDER	1	21	621-0248-06	RACK GEAR	1
1-9	621-0255-02	SECOND GEAR	1	22	621-0249-02	ROLLER GEAR	1
1-10	621-0257-05	SCREW HOLDER	1	23	621-0250-01	DAMPER HOLDER	4
1-11	621-0357-03	PICKUP GUIDE	1	24	621-0258-03	LOADING ROLLER	2
1-12	621-0358-02	LS-HOLDER-F	1	25	622-1072-05	ROLER SHAFT	1
1-13	621-0359-02	LS-HOLDER-R	1	26	622-1219-01	SHIFT ROLLER	1
1-14	622-1073-02	CLAMPER ROLLER	1	27	629-0058-00	DAMPER-DL	4
1-15	714-2003-81	MACHINE SCREW(M2X3)	10	28	714-2003-81	MACHINE SCREW(M2X3)	8
1-16	716-0675-00	SCREW	2	29	714-2603-81	MACHINE SCREW(M2.6X3)	5
1-17	716-1468-00	SCREW	2	30	716-1468-00	SCREW	2
1-18	716-1555-00	WAVE SCREW	1	31	716-1507-00	SCREW	2
1-19	716-1733-00	SCREW	2	32	716-1670-00	SCREW	6
1-20	732-2004-11	SEMS SCREW	2	33	716-1677-00	SCREW	1
1-21	739-1735-17	PRECISION SCREW	2	34	716-1704-00	SCREW	1
1-22	750-3097-03	CLAMPER SPRING	1	35	716-1742-00	SCREW	1
1-23	750-3098-10	L-LINK SPRING	1	36	743-1500-10	E-RING	3
1-24	750-3099-00	ES-SPRING	1	37	746-0712-03	WASHER	1
1-25	746-0761-00	WASHER	2	38	746-0762-00	WASHER	1
1-26	816-2372-00	VINYL COAT WIRE(BLU)	1	39	746-0877-02	WASHER	2
1-27	816-2373-00	VINYL COAT WIRE(WHT)	1	40	750-3090-02	RO-SPRING-L	1
1-28	966-0341-00	STOP LINK ASSY	1	41	750-3091-03	RO-SPRING-R	1
1-29	966-0447-04	DR-PLATE ASSY	1	42	750-3092-03	SHIFT SPRING	1
1-30	966-0448-01	SIDE PLATE ASSY	1	43	750-3094-00	S-ARM SPRING	1
1-31	966-0449-01	CLAMP LINK ASSY	1	44	750-3096-01	DR-SPRING-R	1
1-32	969-0005-00	PICKUP UNIT ASSY	1	45	750-3098-00	L-LINK SPRING	1
1-33	HBS-432-100	LS-GEAR ASSY	1	46	750-3164-00	DR-SPRING-LR	1
1-34	SMA-146-100	MOTOR ASSY(SLED)	1	47	750-3188-00	DR-SP-F-B	1
1-35	SMA-151-100	MOTOR ASSY(SPINDLE)	1	48	750-3189-00	SIDE-L-SPRING	1
2	966-0308-09	CHASSIS ASSY	1	49	750-3201-00	DR-SPRING-F-R	1
3	966-0309-04	L-DISC-G-ASSY	1	50	750-3202-00	CENTER SPRING-B	1
4	966-0310-06	SFT-P-CH-ASSY	1	51	800-4904-60	VINYL COAT WIRE(BLK)	1
5	966-0312-06	SHIFT-P-ASSY	1	52	800-4910-60	VINYL COAT WIRE(BLK)	1
6	966-0358-01	DRIVE-L-PL-ASSY	1	53	801-4910-60	VINYL COAT WIRE(BRN)	1
7	966-0359-03	SIDE-L-PL-ASSY	1	54	802-4904-60	VINYL COAT WIRE(RED)	1
8	013-3879-01	CHUCKING SWITCH	1	55	802-4910-60	VINYL COAT WIRE(RED)	1
9	039-0586-01	CHUCKING SW PWB	1	56	804-4910-60	VINYL COAT WIRE(YEL)	1
10	039-0588-01	SENSOR PWB	1	57	HBS-430-100	GEAR-SUB-ASSY	1
11	060 0252-01	PHOTO TR(PT4850F)	3	58	HBS-431-100	PWB ASSY	1
12	345-7513-01	CLAMPER SHEET	1	59	SMA-147-100	MOTOR ASSY(LOADING)	1

■ ELECTRICAL PARTS LIST:

Mech PWB section(CD mechanism)(B5)

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

REF No.	PARTS No.	DESCRIPTION	REF No.	PARTS No.	DESCRIPTION	REF No.	PARTS No.	DESCRIPTION
C 10	178-1032-78	0.01 μ F	C 36	178-4732-78	0.047 μ F	R 14	117-5631-10	1/10W 56kohm
C 11	182-1063-32	16V10 μ F	C 37	178-1522-78	1500pF	R 15	117-2731-10	1/10W 27kohm
C 12	178-1042-78	0.1 μ F	C 38	178-1032-78	0.01 μ F	R 16	117-2211-10	1/10W 220ohm
C 13	182-1073-12	6.3V100 μ F	C 39	042-0230-00	35V0.47 μ F	R 17	117-2211-10	1/10W 220ohm
C 14	178-1032-78	0.01 μ F	C 40	178-1032-78	0.01 μ F	R 18	117-1031-10	1/10W 10kohm
C 15	182-2263-12	6.3V22 μ F	C 41	178-1042-78	0.1 μ F	R 19	117-2231-10	1/10W 22kohm
C 16	178-1032-78	0.01 μ F	C 42	178-2222-78	2200pF	R 20	117-4721-10	1/10W 4.7kohm
C 17	178-1042-78	0.1 μ F	C 100	182-4763-12	6.3V47 μ F	R 21	117-2231-10	1/10W 22kohm
C 18	178-1042-78	0.1 μ F	C 101	182-4763-12	6.3V47 μ F	R 22	117-4711-10	1/10W 470ohm
C 19	176-1007-00	10pF CH	C 102	178-1032-78	0.01 μ F	R 23	117-1011-10	1/10W 100ohm
C 20	178-1042-78	0.1 μ F	C 103	182-1073-32	6.3V100 μ F	R 24	117-1021-10	1/10W 1kohm
C 21	182-2263-12	6.3V22 μ F	D 1	001-0563-00	GL380	R 25	117-1001-10	1/10W 10ohm
C 22	176-2096-00	2pF CJ	D 2	001-0563-00	GL380	R 26	117-3331-10	1/10W 33kohm
C 23	178-1042-78	0.1 μ F	D 3	001-0563-00	GL380	R 27	117-3631-10	1/10W 36kohm
C 24	178-1022-78	1000pF	IC 1	051-1014-10	TA7291S	R 28	117-1241-10	1/10W 120kohm
C 25	176-1007-00	10pF CH	IC 2	051-6015-05	BA6392FP	R 29	117-3631-10	1/10W 36kohm
C 26	176-1007-00	10pF CH	IC 3	051-6314-05	TC9404FN	R 30	117-1041-10	1/10W 100kohm
C 27	182-1073-12	6.3V100 μ F	IC 4	051-1971-00	CXA16010M	R 31	117-1031-10	1/10W 10kohm
C 28	178-1042-78	0.1 μ F	IC 5	051-6313-00	CXD2545Q	R 32	117-6821-10	1/10W 6.8kohm
C 29	182-1073-12	6.3V100 μ F	L 1	101-2155-03	10 μ H	R 33	117-3321-10	1/10W 3.3kohm
C 30	178-1042-78	0.1 μ F	L 2	101-2155-03	10 μ H	R 34	117-1051-10	1/10W 1Mohm
C 31	176-1007-00	10pF CH	L 3	101-2155-03	10 μ H	R 35	117-1041-10	1/10W 100kohm
C 32	178-2212-78	220pF	Q 1	101-1237-00	2SB1237	R 36	117-1031-10	1/10W 10kohm
C 33	178-1042-78	0.1 μ F	R 10	117-2711-91	1/10W 270kohm	X 1	060-1014-00	16.9344MHz
C 34	178-2212-78	220pF	R 11	117-8231-10	1/10W 82kohm			
C 35	178-1032-78	0.01 μ F	R 12	117-1031-10	1/10W 10kohm			

Limit switch PWB section(CD mechanism)(B6)

REF No.	PARTS No.	DESCRIPTION	REF No.	PARTS No.	DESCRIPTION	REF No.	PARTS No.	DESCRIPTION
M 1	SMA-151-100	SPINDLE	M 2	SMA-146-100	SLED	S 1	013-7100-00	LIMIT

Chucking switch PWB section(CD mechanism)(B7)

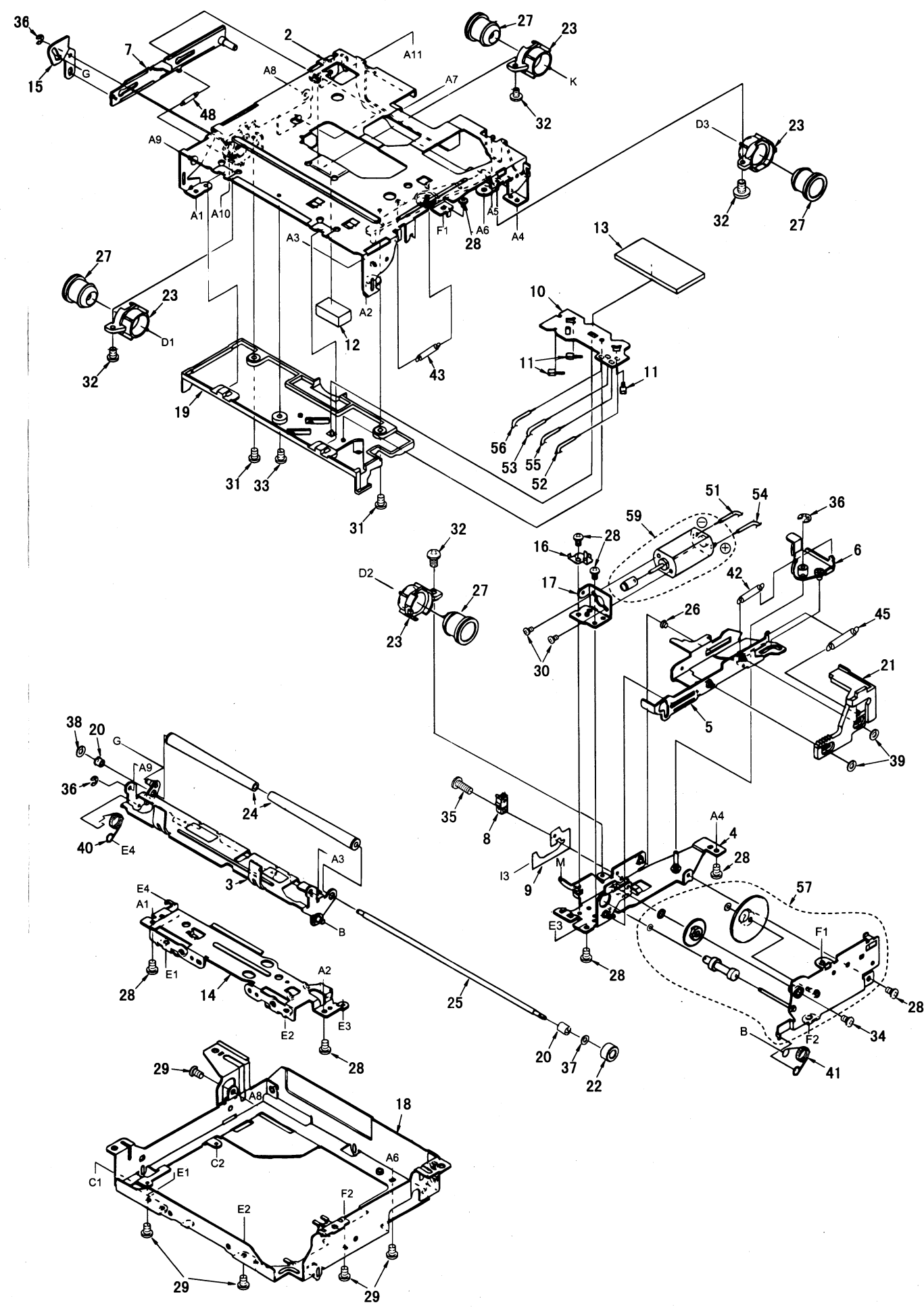
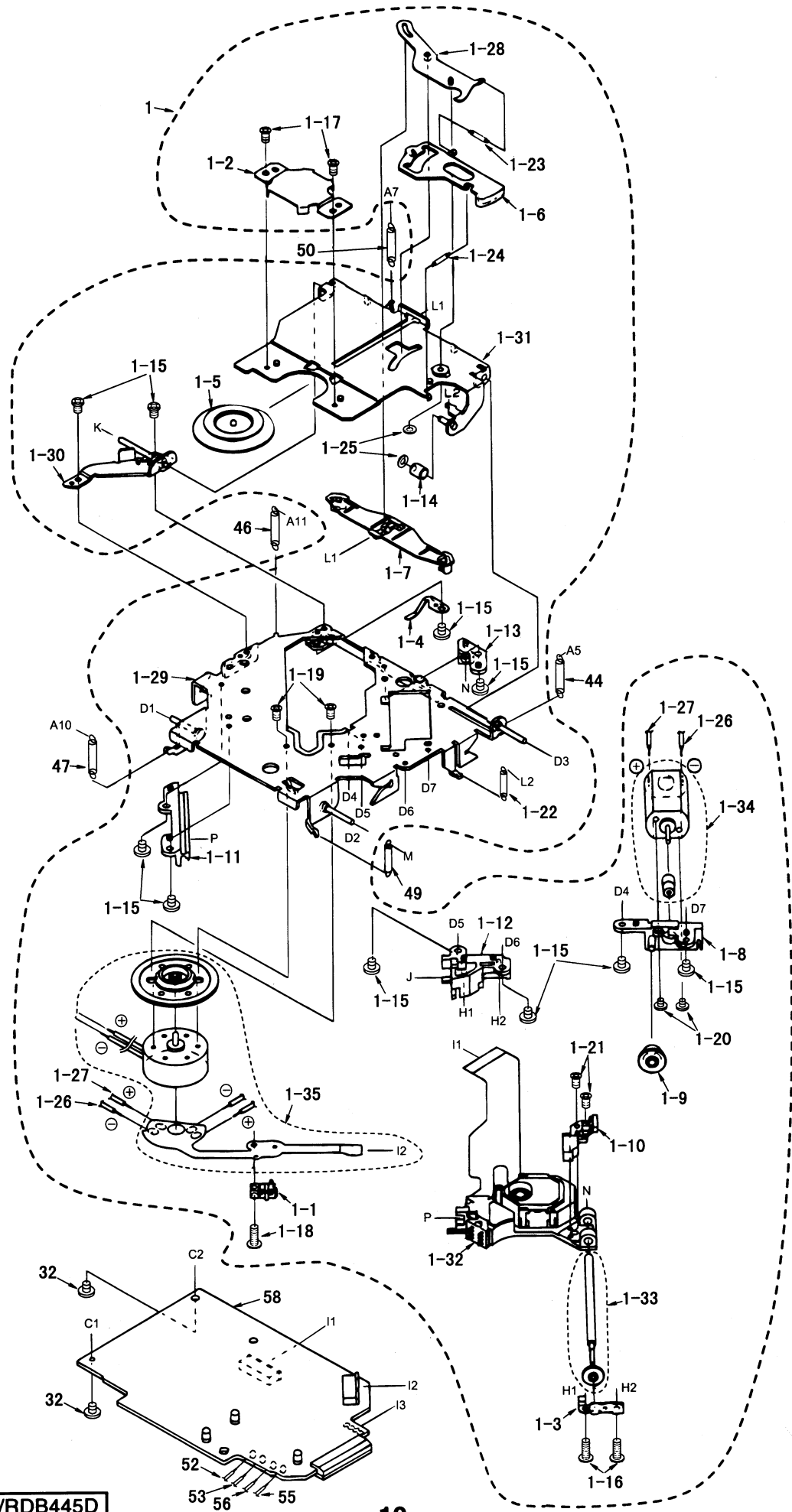
REF No.	PARTS No.	DESCRIPTION	REF No.	PARTS No.	DESCRIPTION
M 3	SMA-147-100	LOADING	S 2	013-3879-01	CHUCKING

Snesor PWB section(CD mechanism)(B8)

REF No.	PARTS No.	DESCRIPTION	REF No.	PARTS No.	DESCRIPTION	REF No.	PARTS No.	DESCRIPTION
Q 101	060-0252-01	PT4850F	Q 102	060-0252-01	PT4850F	Q 101	060-0252-01	PT4850F

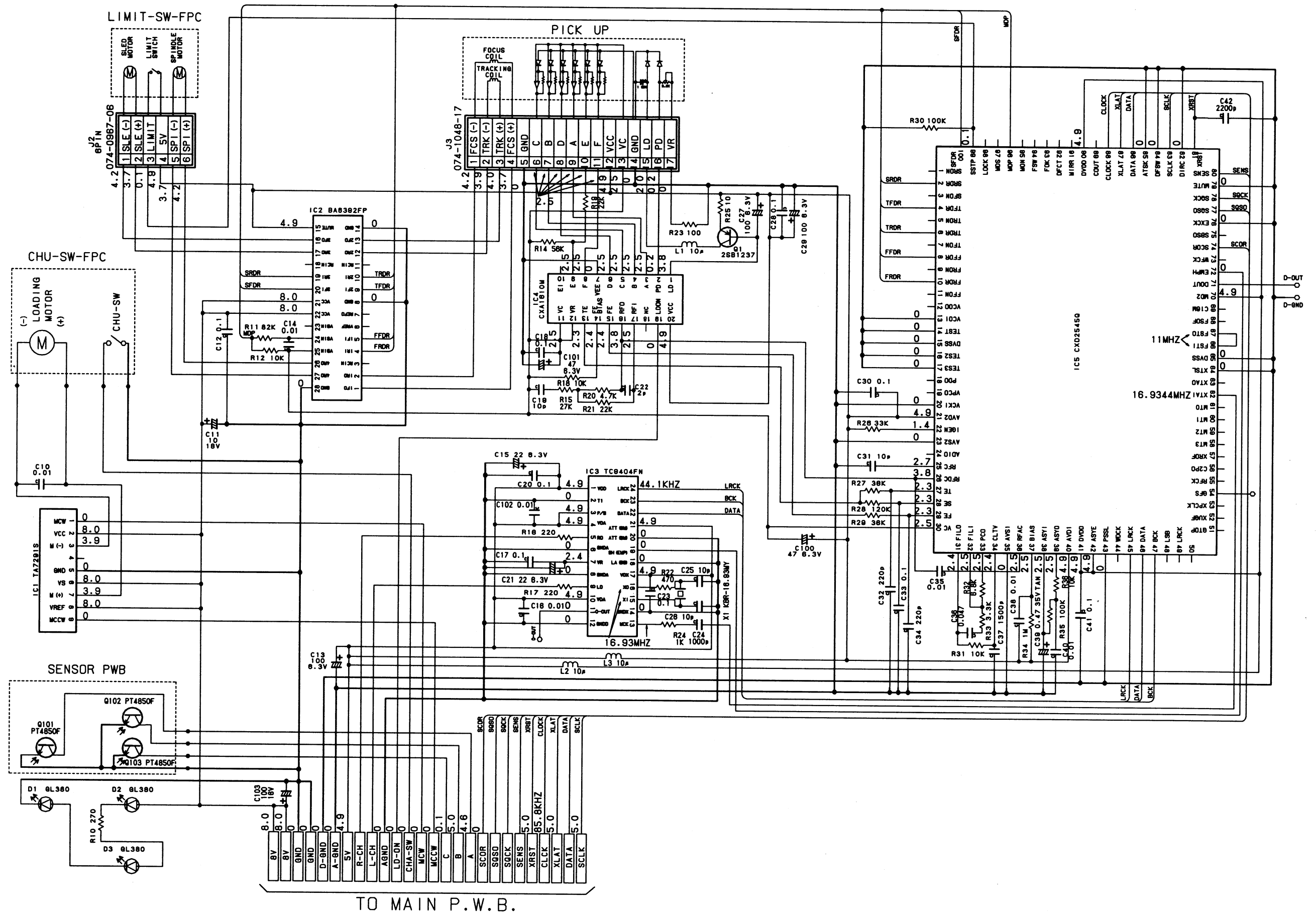
■ **EXPLODED VIEW:**

CD Mechanism section 929-0065-80(BB-CD)



■ CIRCUIT DIAGRAM:

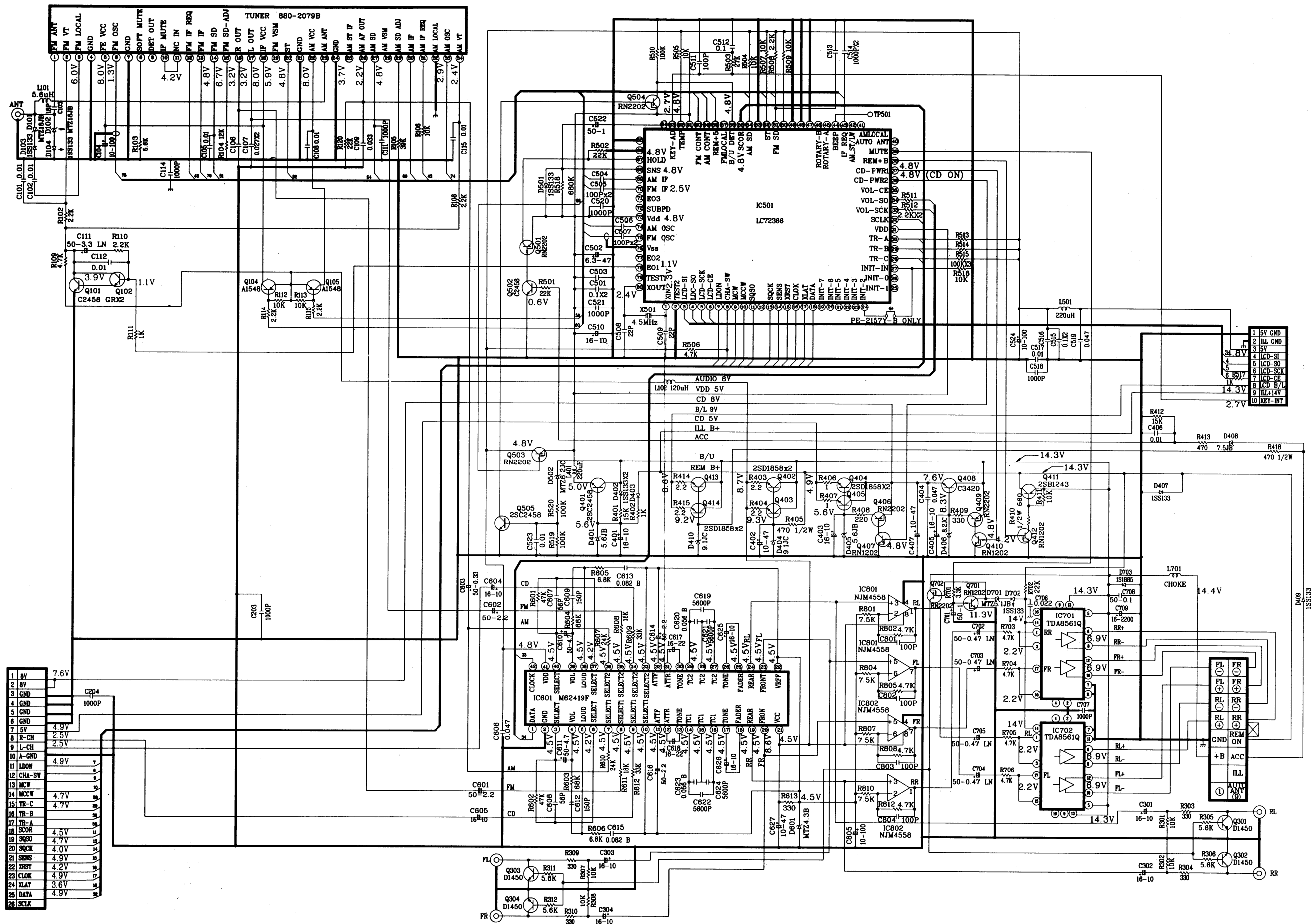
CD Mechanism section 929-0065-80(BB-CD)



■ **CIRCUIT DIAGRAM:**

• **DRB4475/RDB445D(PE-2157B-A/PE-2157K-A/PE-2161B-A)**

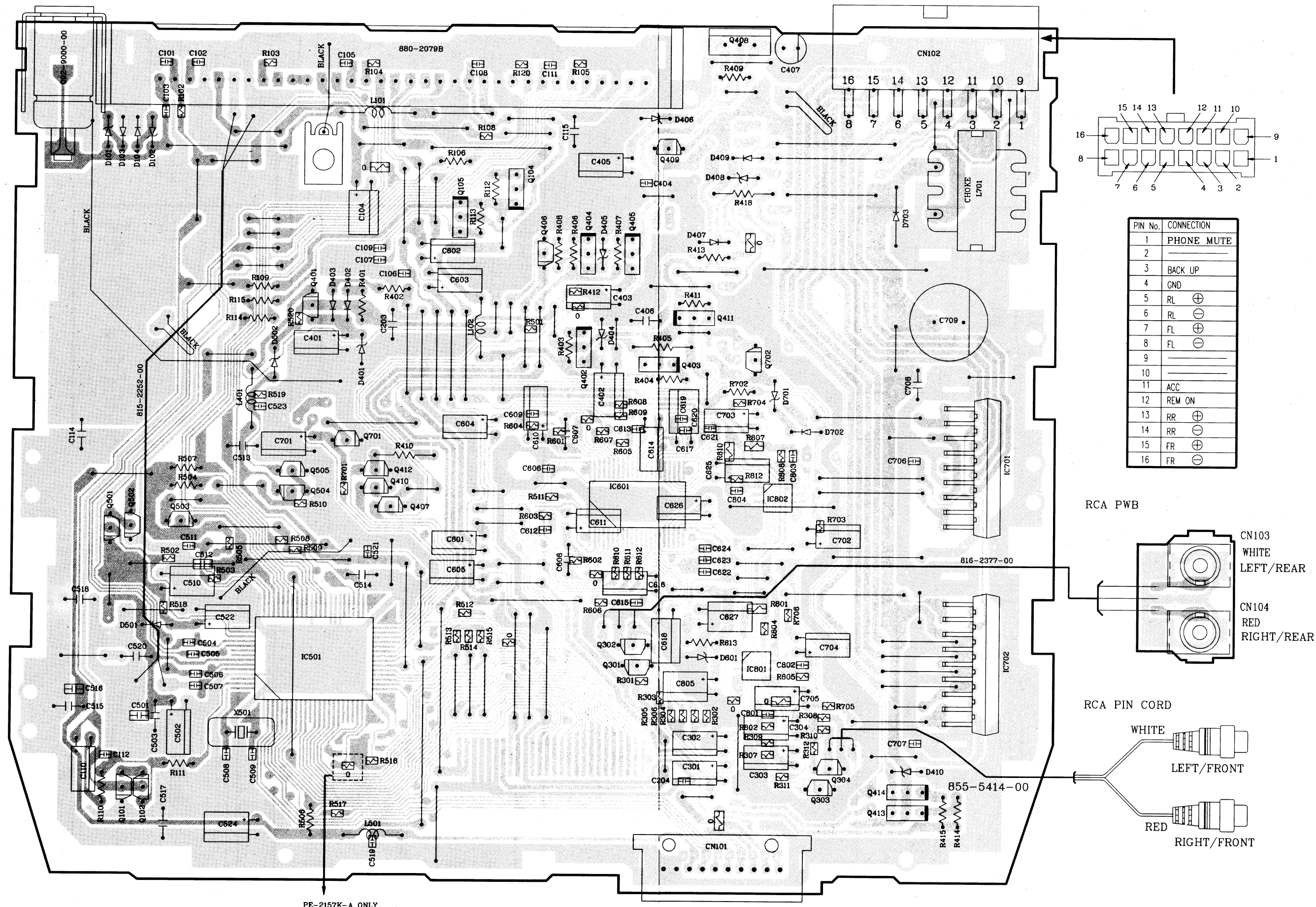
Main PWB section



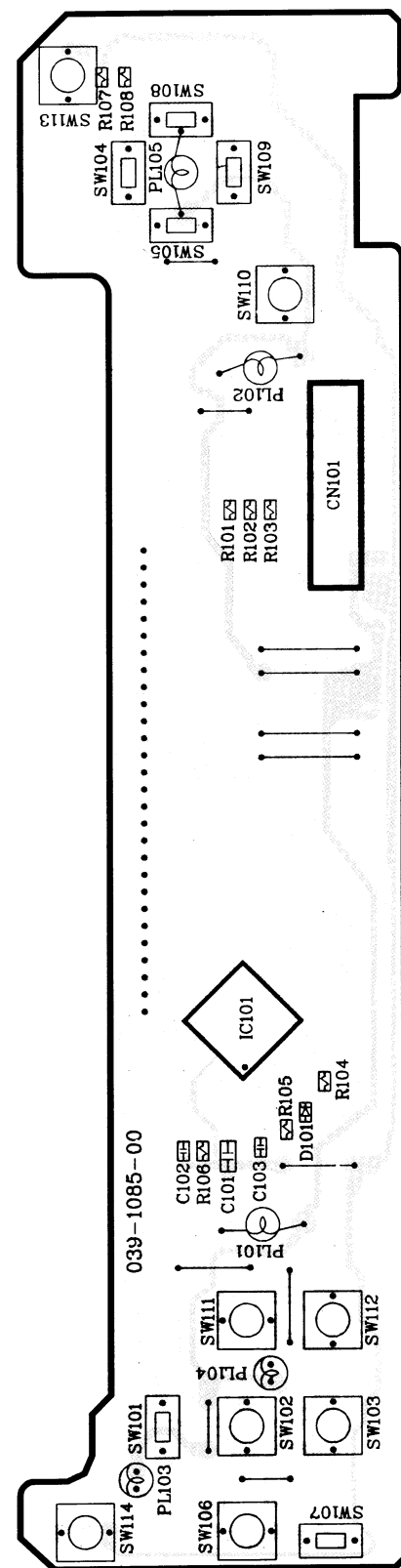
■ PRINTED WIRING BOARD:

• DRB4475/RDB445D(PE-2157B-A/PE-2157K-A/PE-2161B-A)

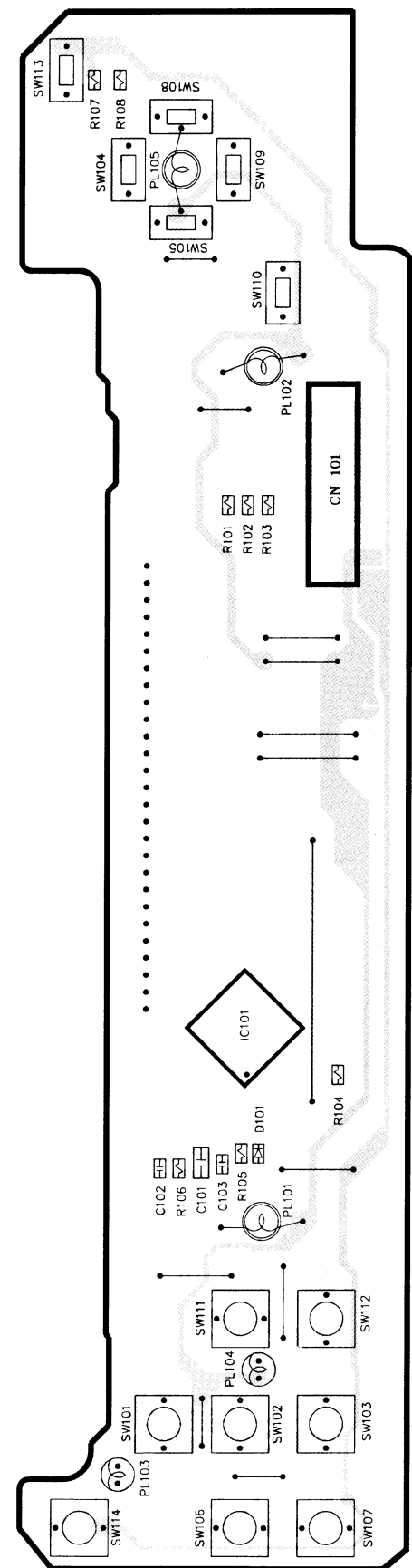
Main PWB section



■ **PRINTED WIRING BOARD:**
• **DRB4475(PE-2157B-A/PE-2157K-A)**
Switch PWB section



■ **PRINTED WIRING BOARD:**
• **RDB445D(PE-2161B-A)**
Switch PWB section



■ **PRINTED WIRING BOARD:**

CD Mechanism section 929-0065-80(BB-CD)

