

SERVICE MANUAL & PARTS LIST

(without price)

CW-50

MAR. 2003



CW-50

CASIO®

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1. PRECAUTIONS DURING USE

- ① This printer does not have a function to write data to a CD-R/RW.
- ② Make sure to print a CD-R/RW before writing data to it.
Printing a CD-R/RW in which data is already written may damage the data.
- ③ Make sure to print on the label surface of a CD-R/RW.
Printing on the surface to which data is recorded damages the data.
- ④ Good printing may be impossible on such media as for an inkjet printer or with uneven surface and certain designs.
- ⑤ Recommended media for Korea will be announced on the following CASIO web site.
<http://world.casio.com/asia/index2.html>
- ⑥ CW-50 is a printer which prints on the label surface of the media directly by thermal transfer. Good printing result may be impossible if a label for an inkjet printer is attached on the media.

2. SPECIFICATIONS

Printing

Resolution:	200 dpi
Approximate Speed:	9.0 mm per second (black ink ribbon) 5.1 mm per second (silver, red, blue, or green ink ribbon)
Print System:	Thermal transfer
Print Width:	Approximately 16 mm
Print Length:	Approximately 74 mm
Actual printing speed depends on printing environment, conditions, etc.	

Power Supply

Power Consumption: 13 W (Power supplied both through household power plug and USB port.)

Other

Dimensions:	57 (H) × 180 (W) × 186 (D) mm (2 1/4"H × 7 1/15"W × 7 5/16"D)
Weight:	Approximately 750g (1.7 lbs)
Operating Temperature:	10°C to 35°C (50°F to 95°F)

3. HOW TO ADJUST THE SETTINGS

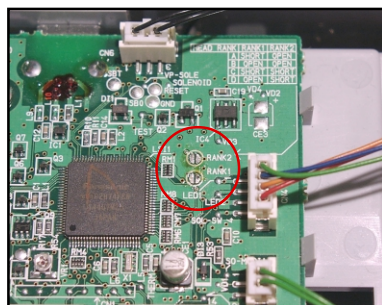
1. Adjusting the head rank setting

Make sure to perform the following setting when replacing the printer.

- ① Confirm the head rank from A to D by reading the last character written on the label on the FPC which connects to the MAIN PCB of the printer.

Example : characters on the label = KN1807B -> head rank B

- ② Perform the following setting of the two short pads (RNK1 and RNK2) on the MAIN PCB according to the head rank.



	RANK1	RANK2
A	SHORT	OPEN
B	OPEN	OPEN
C	SHORT	SHORT
D	OPEN	SHORT

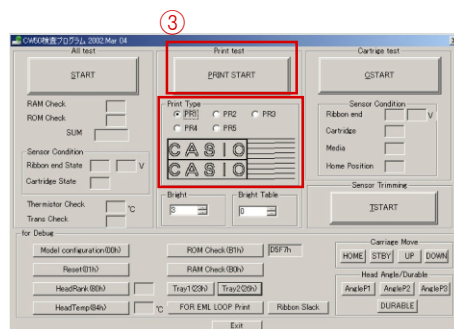
2. Confirming the print quality

- ① Place the CD and the black ribbon cartridge.
- ② Boot the test program (CW50Res.exe) by a personal computer.

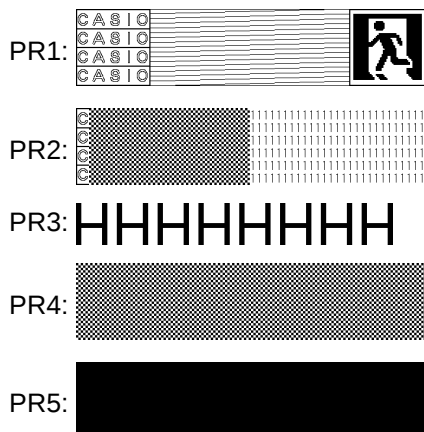
The menu on the left appears.

Provided data : CW50Res.exe

Cw50.dll
prblk.bmp
prcasio.bmp
prH.bmp
prlica.bmp
prtitori.bmp



- ③ Perform "PRINT START" of the print test.
Select the print pattern from "Print Type".



Judge the printing result by such factors as partial dots, light printing, blur and print position.

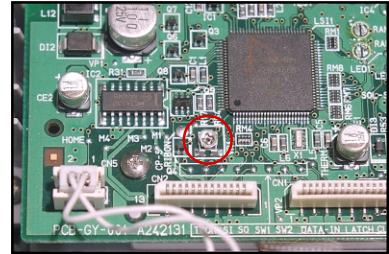
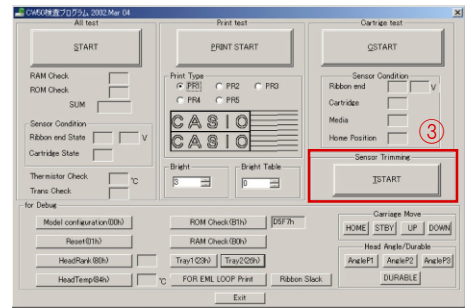
3. Adjusting the ribbon end sensor

Make sure to perform the following adjustment when replacing the printer and the MAIN PCB.

- ① Place the ribbon cassette for trimming.
- ② Connect the power adapter and the UCB cable.
- ③ Perform "Sensor Trimming" of the test program.

The voltage appears on the display.

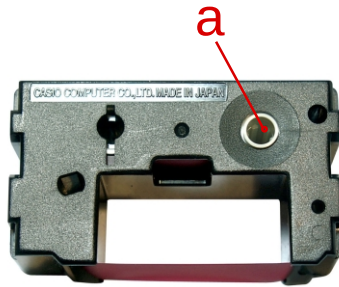
Adjust VR1 so that the voltage becomes within the range $2.5V \pm 0.1V$.



Creating the ribbon cassette for trimming

NOTE: Use the red tape.

1. Rotate part **a** in the below figure and remove the looseness of the tape.

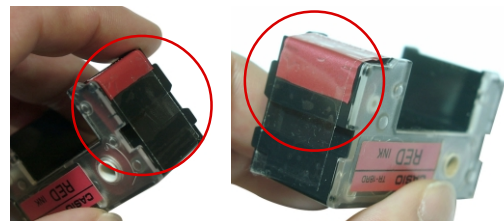


2. Apply instant glue to parts **b** and **c** as shown in the figure to fix the tape.

- c** Apply about two drops to this part.
- b** Apply a little more (about three drops) to this part.
- Make sure to leave them until they are glued tightly or the tape will be loosened and cannot be used.

3. The instant glue will be whitened. Leave it for about 24 hours and then perform the following check.

4. Cut the center of the tape and fix both ends of the table by scotch tape.



NOTE: Make sure to stretch the tape tightly since the loose tape causes low voltage. Write the initially measured voltage as shown in the figure.



4. DISASSEMBLY

1. Remove the CASE/UPPER.

- ①. Push in the hole by a thin stick and eject the tray manually.



- ②. Remove the ink ribbon cassette.



- ③. Remove the tray.



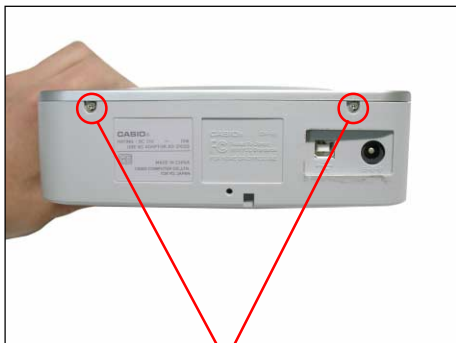
Be careful of the hooks when removing the tray.



- ④. Remove the printer cover by pressing its fixing parts inward.

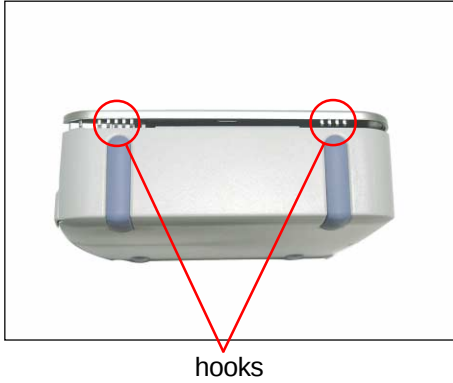


- ⑤. Remove the two screws.

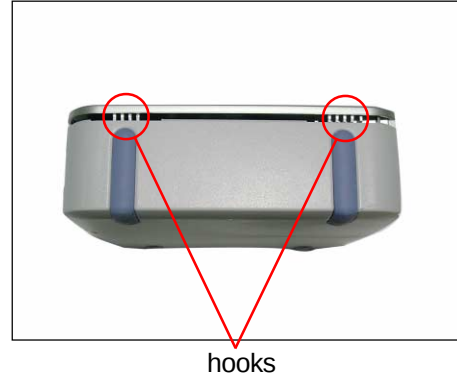


screws

⑥. Remove the two hooks in the right.

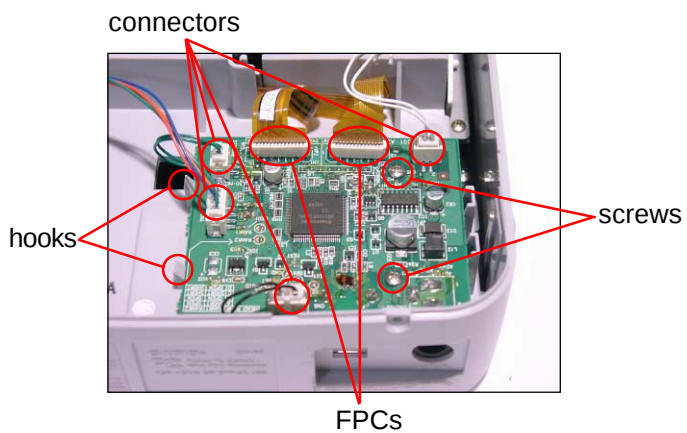


⑦. Remove the two hooks in the left.



2. Remove the MAIN PCB ASS'Y.

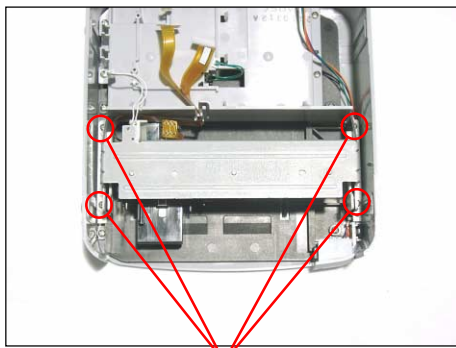
①. Remove the four connectors, two FPCs and two screws.



Be careful of the hooks when removing the MAIN PCB ASS'Y.

3. Remove the PRINTER ASS'Y.

- ①. Remove the four screws.

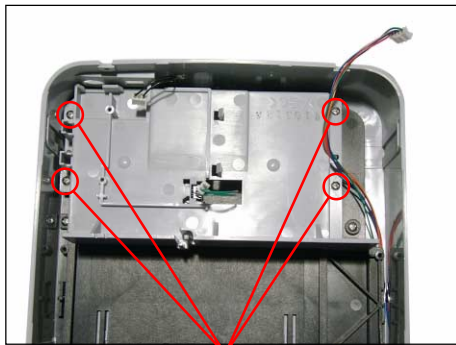


screws



4. Remove the LOWER CASE ASS'Y.

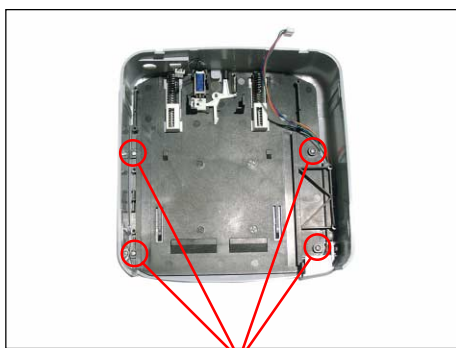
- ①. Remove the four screws and separate the INNER CASE.



screws



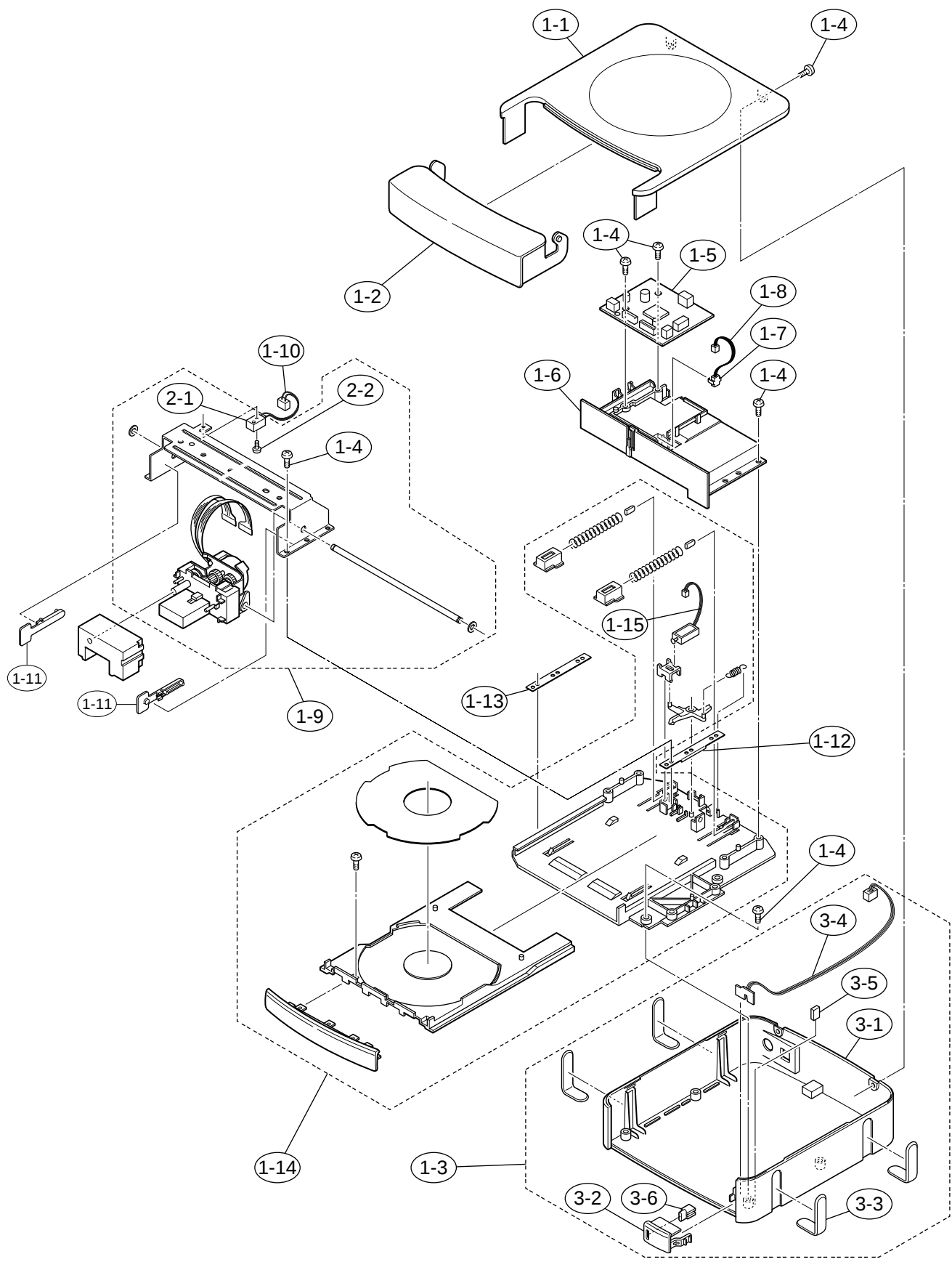
- ②. Remove the four screws and separate the LOWER CASE.



screws



5. EXPLODED VIEW



6. PARTS PRICE LIST

N	Item	Code No.	Parts Name	Specification	Q	Price Code	R
COMPONENTS							
N		1009 2142	CASE/UPPER	A141634-2	1	AZ	C
N		1009 2141	PRINTER COVER	A242128-2	1	AF	C
N		1010 0682	LOWER CASE ASSY	TK-A242161*002	1	BL	C
N		1010 0845	SCREW	TYP.2 DIA2.3X6(NI)	15	AA	C
N		1010 0684	MAIN PCB ASSY	TK-A242159*002	1	CX	C
N		1006 3521	INNER CASE	A242129-1	1	AJ	C
N		1006 3571	SWITCH	MLS-36AU	1	AD	B
N		1006 3567	WIRE SUB ASSY B	A445747*1	1	AA	X
N		1010 0683	PRINTER ASSY	TK-A242153*002	1	CZ	B
N		1006 3568	WIRE SUB ASSY C	A445748*1	1	AA	X
N		1006 3566	COVER LOCK	A344039-1	2	AA	C
N		1006 3569	CONTACT PLATE LEFT	A445768-1	1	AB	C
N		1006 3570	CONTACT PLATE RIGHT	A445769-1	1	AB	C
N		1010 0685	TRAY ASSY	TK-A242162*003	1	BT	C
N		1006 3562	SOLENOID	DP1020C-030	1	AN	B
PRINTER ASSY							
N		1006 3511	SWITCH	MLS-29AU	1	AD	B
N		1008 4875	SCREW	M1.7*6 BLK(MECK)	1	AA	X
LOWER CASE ASSY							
N		1008 1719	LOWER CASE	A141635-001V02	1	AN	C
N		1006 3572	KEY	A343977-1	1	AC	C
N		1006 3574	RUBBER FOOT	A344034-1	4	AD	C
N		1006 5805	SWITCH ASSY	A344055*1 TK(G001)	1	AR	C
N		1007 1237	CUSHION	RJA509423-001V001	1	AA	C
N		1008 9728	LED COVER	A344016-002V01	1	AA	C
OTHERS							
N		1006 3509	CD GUIDE FILM	A445736-1	1	AF	C
N		6932 5395	USB CABLE	010525TI-01	1	AK	C
N		1011 8474	AC ADAPTOR	AD-2105SWC	1	CG	C
N		1011 8473	POWER CORD	5-AB0101	1	AV	C
N		1010 8414	SOFTWARE CD-ROM	CDZ585HA01C	1	AH	C
		Parts prices will be informed separately by Parts Price List.					

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