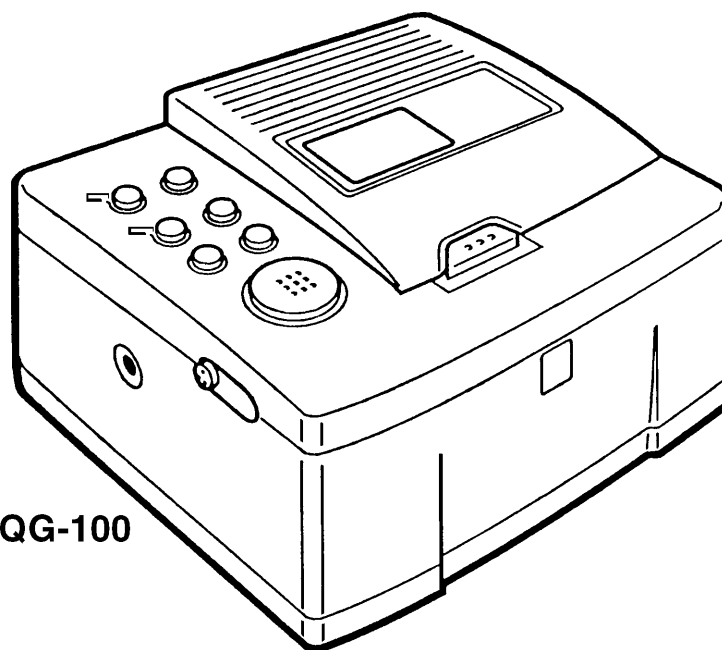


SERVICE MANUAL & PARTS LIST

(without price)

QG-100_(ZX-568)

JULY 1996



QG-100

INDEX

CASIO[®]

CONTENTS

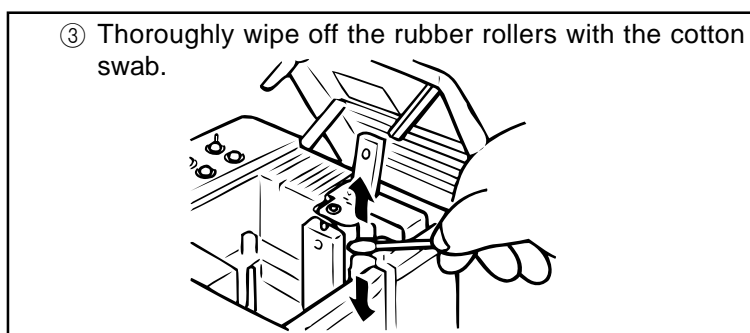
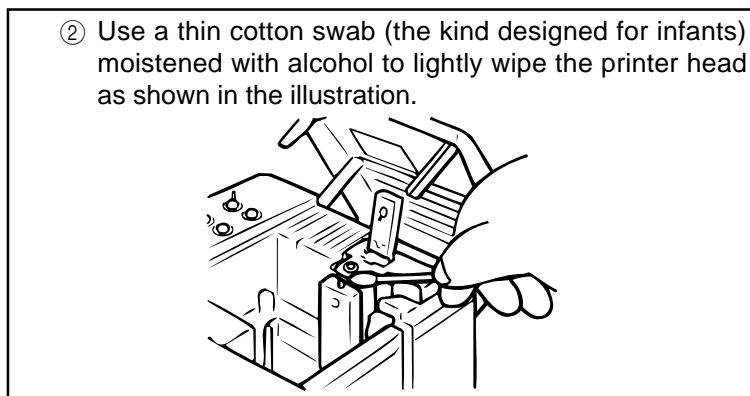
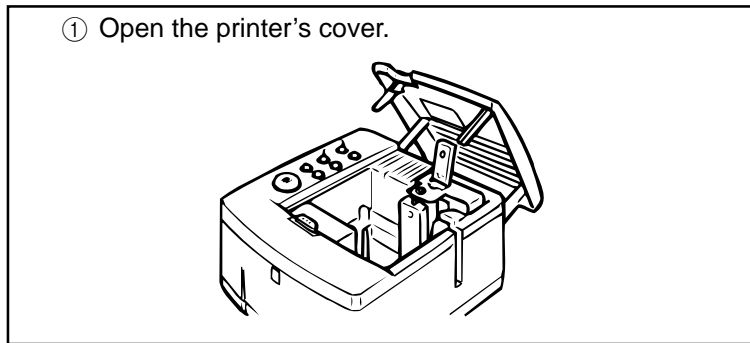
1. SPECIFICATIONS	1
2. CLEANING THE PRINTER	1
3. BLOCK DIAGRAM	2
4. SCHEMATIC DIAGRAMS	
4-1. Wiring Diagram	3
4-2. Main PCB Z568-1 (1/2)	4
4-3. Main PCB Z568-1 (2/2)	5
4-4. Power PCB Z568-S1	6
4-5. Sensor PCB Z568-2	7
4-6. Cam sensor PCB Z568-S2	8
4-7. Paper, Ribbon & Jam sensor PCB Z568-S3	8
4-8. Key Matrix Z568-E4	8
5. CIRCUIT EXPLANATION	
5-1. LSI PIN FUNCTION	9
5-2. CIRCUIT EXPLANATION	11
6. SETTING THE THERMAL HEAD	12
7. SENSOR POSITION, PRINTING SPECIFICATION & OPERATION CHECK	14
7-1. SENSOR POSITION	15
7-2. PRINTING SPECIFICATION	15
7-3. OPERATION CHECK	17
8. TROUBLE SHOOTING	21
9. DISASSEMBLY	25
10. PARTS LIST	
10-1. Z568-1 ASS'Y, COMPONENTS & OTHERS	27
10-2. PRINTER UNIT	31
10-3. CHASSIS UNIT	34
10-4. CHASSIS ASS'Y	37
10-5. HEAD HOLDER ASS'Y	40
10-6. PLATEN ASS'Y	43
10-7. CASSETTE CASE ASS'Y	45
10-8. MOTOR CHASSIS ASS'Y	47
11. EXPLODED VIEW & DISASSEMBLY VIEW	
11-1. EXPLODED VIEW (Z568-1 ASS'Y & COMPONENTS)	30
11-2. DISASSEMBLY VIEW (PRINTER UNIT)	32
11-3. DISASSEMBLY VIEW (CHASSIS UNIT)	35
11-4. DISASSEMBLY VIEW (CHASSIS ASS'Y)	38
11-5. DISASSEMBLY VIEW (HEAD HOLDER ASS'Y)	41
11-6. DISASSEMBLY VIEW (PLATEN ASS'Y)	44
11-7. DISASSEMBLY VIEW (CASSETTE CASE ASS'Y)	46
11-8. DISASSEMBLY VIEW (MOTOR CHASSIS ASS'Y)	48

1. SPECIFICATIONS

Model:	QG-100
Print System:	Thermal transfer
Power Consumption:	20 W
Auto Power Off:	Approximately 30 minutes after last operation
Operating Temperature:	10 °C to 35 °C (50 °F ~ 95 °F)
Dimensions:	96.5 (H) × 154 (W) × 154 (D) mm (3 ¹³ / ₁₆ "H × 6 ¹ / ₁₆ "W × 6 ¹ / ₁₆ "D)
Weight:	980 g (2.2 lbs)
Current:	DC 890 mA (TYP.), DC 1200 mA (MAX.) (printing)/DC 87 mA (TYP.), DC 132 mA (MAX.) (power off)

2. CLEANING THE PRINTER

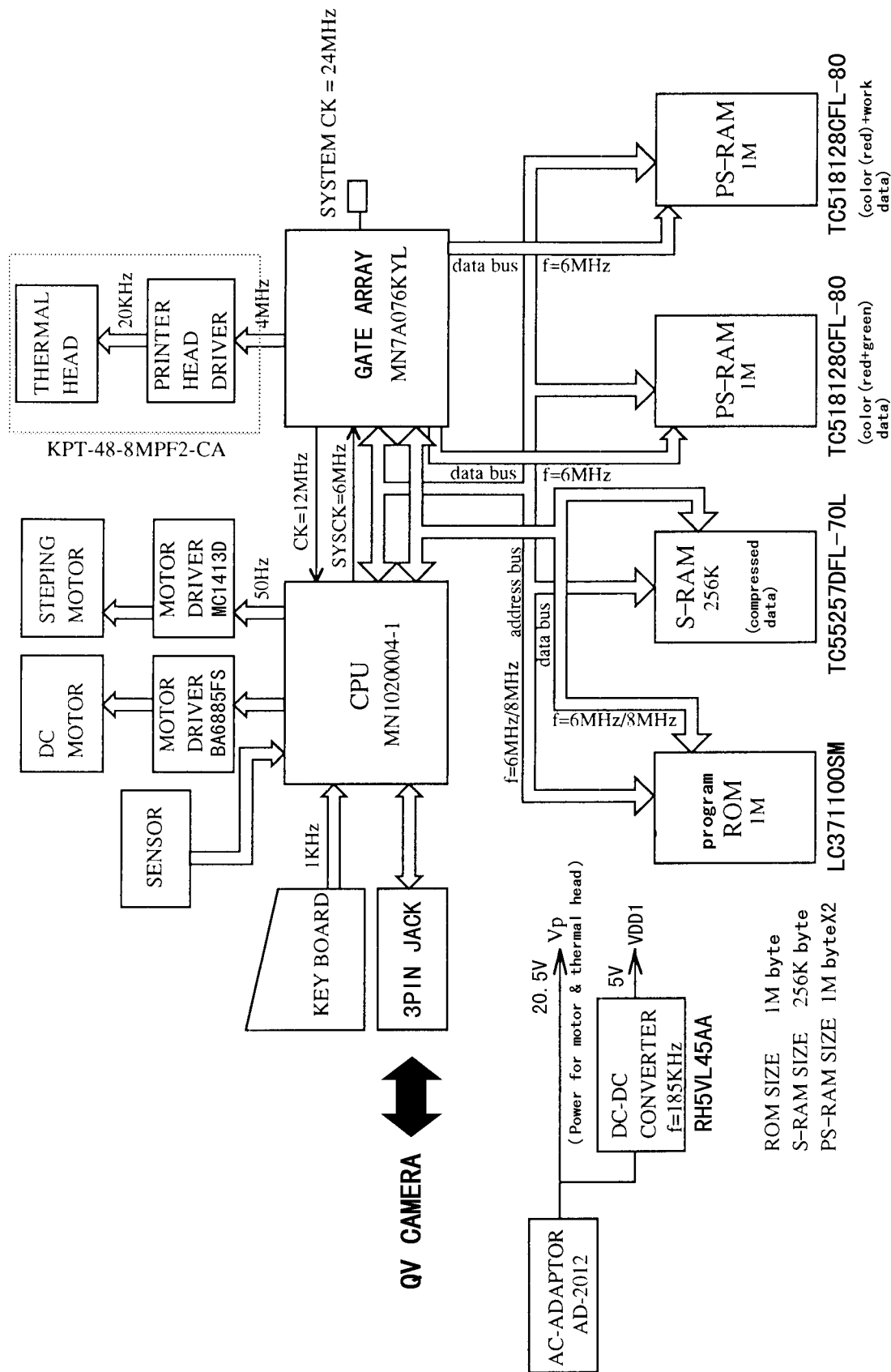
For best printing results, use the following procedure to clean the print head and rollers with alcohol. Also note that tape adhesive tends to accumulate on the sides of the tape outlet after long use of the QG-100. When this happens, use an alcohol-moistened cotton swab to clean off the adhesive.



Important!

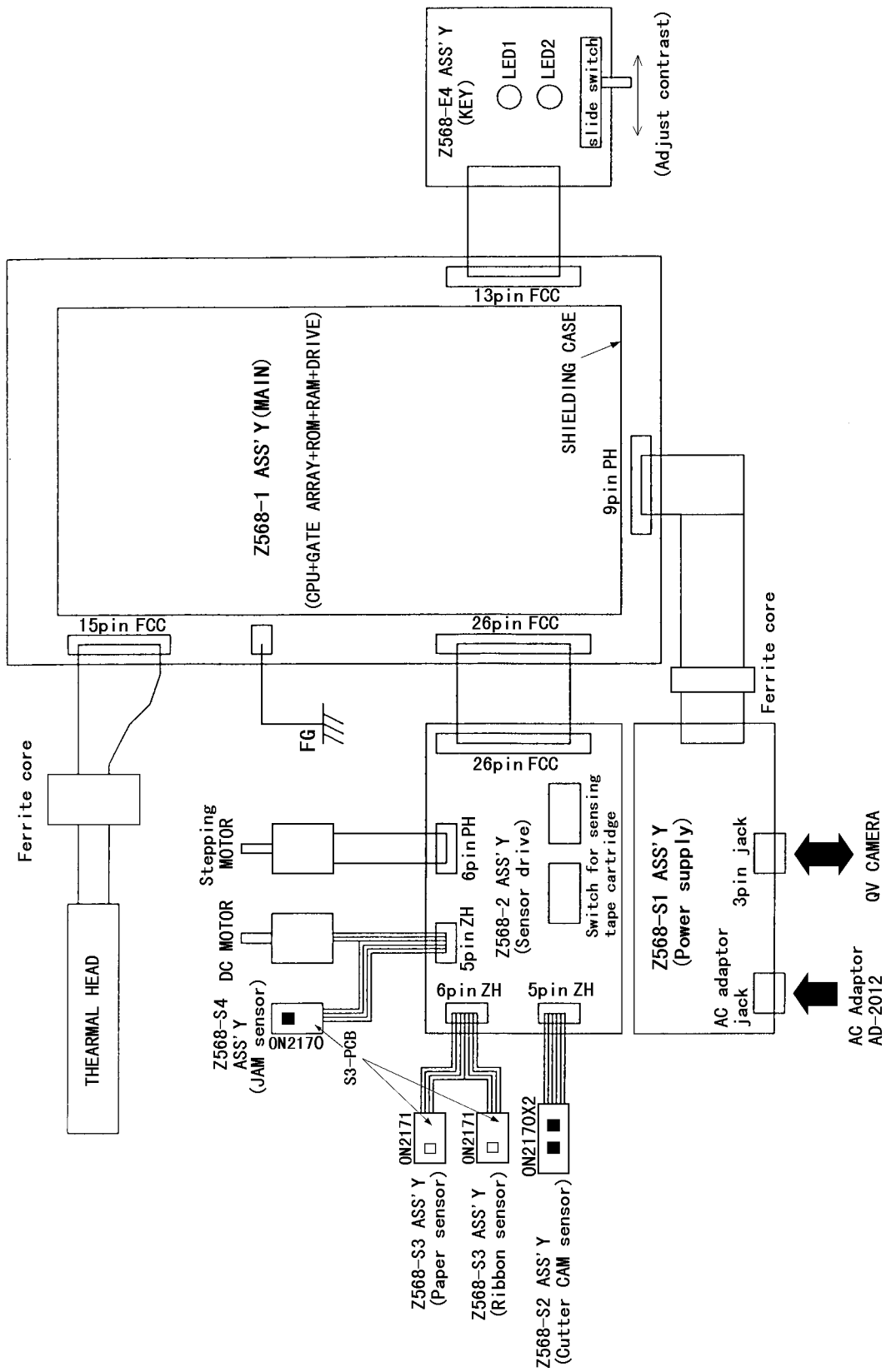
- The print head and other nearby metal parts become quite hot after the printer is used for a long time. Make sure you allow these components to cool sufficiently before cleaning.

3. BLOCK DIAGRAM

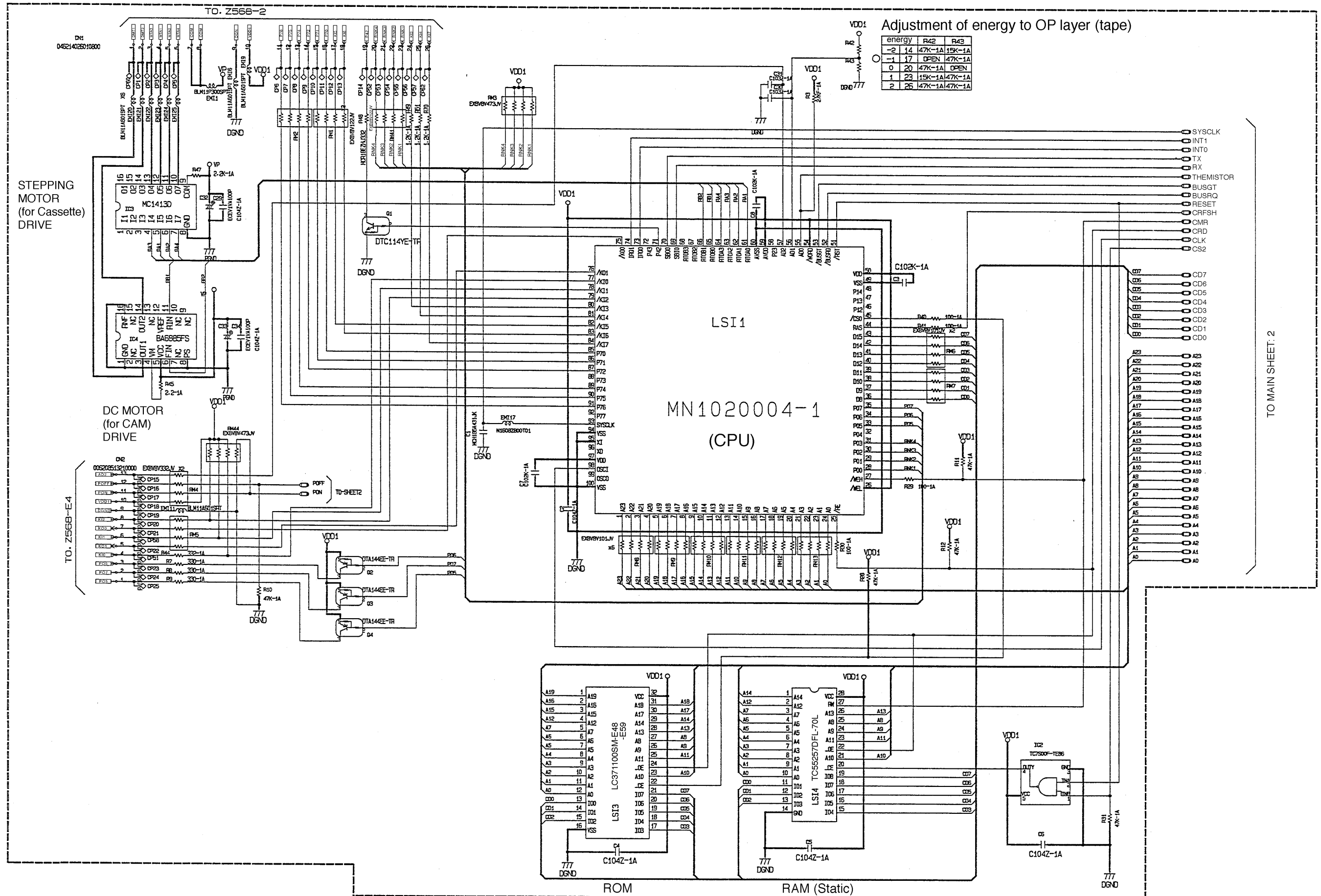


4. SCHEMATIC DIAGRAMS

4-1. Wiring Diagram

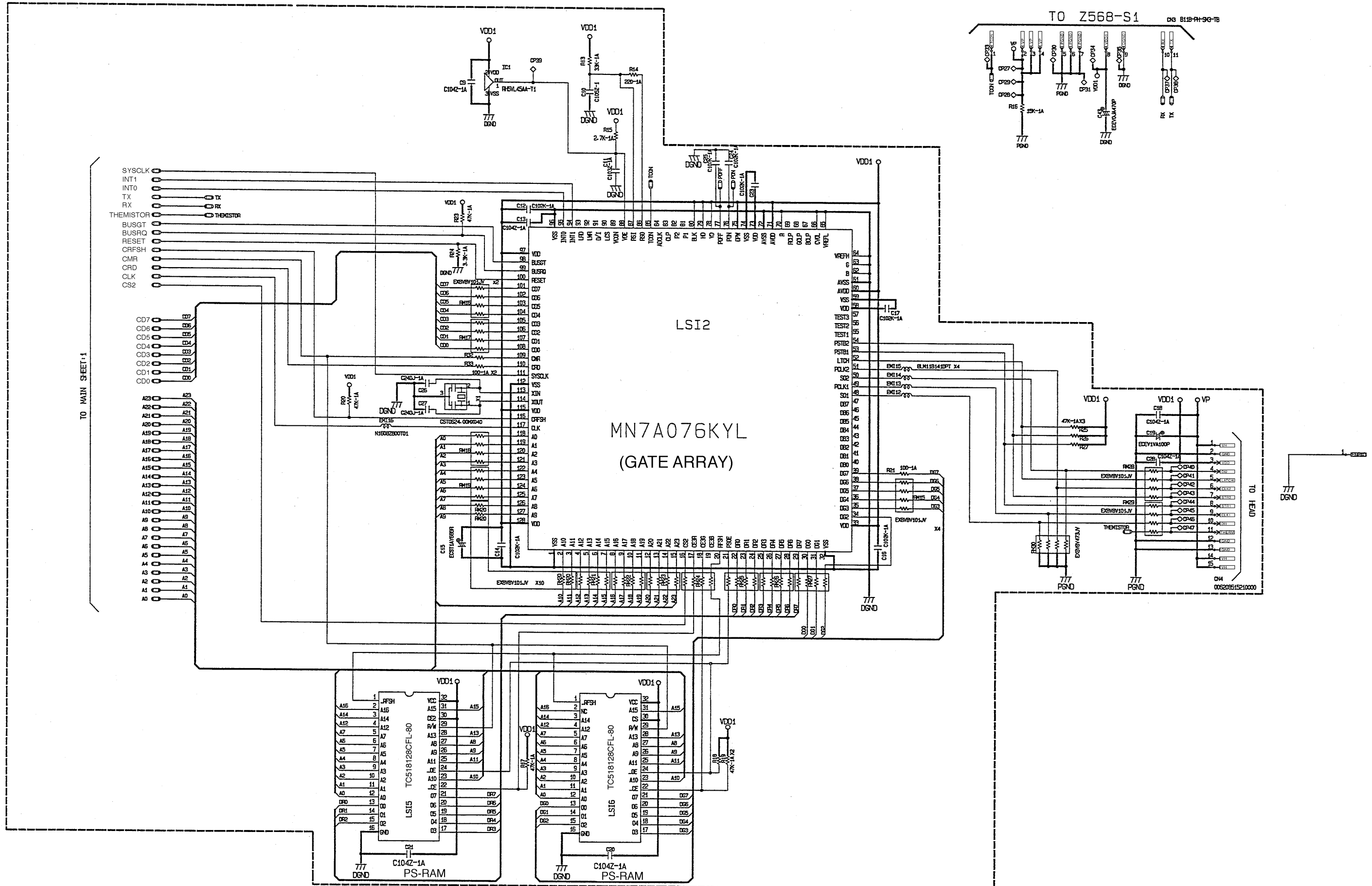


4-2. Main PCB Z568-1 (1/2)

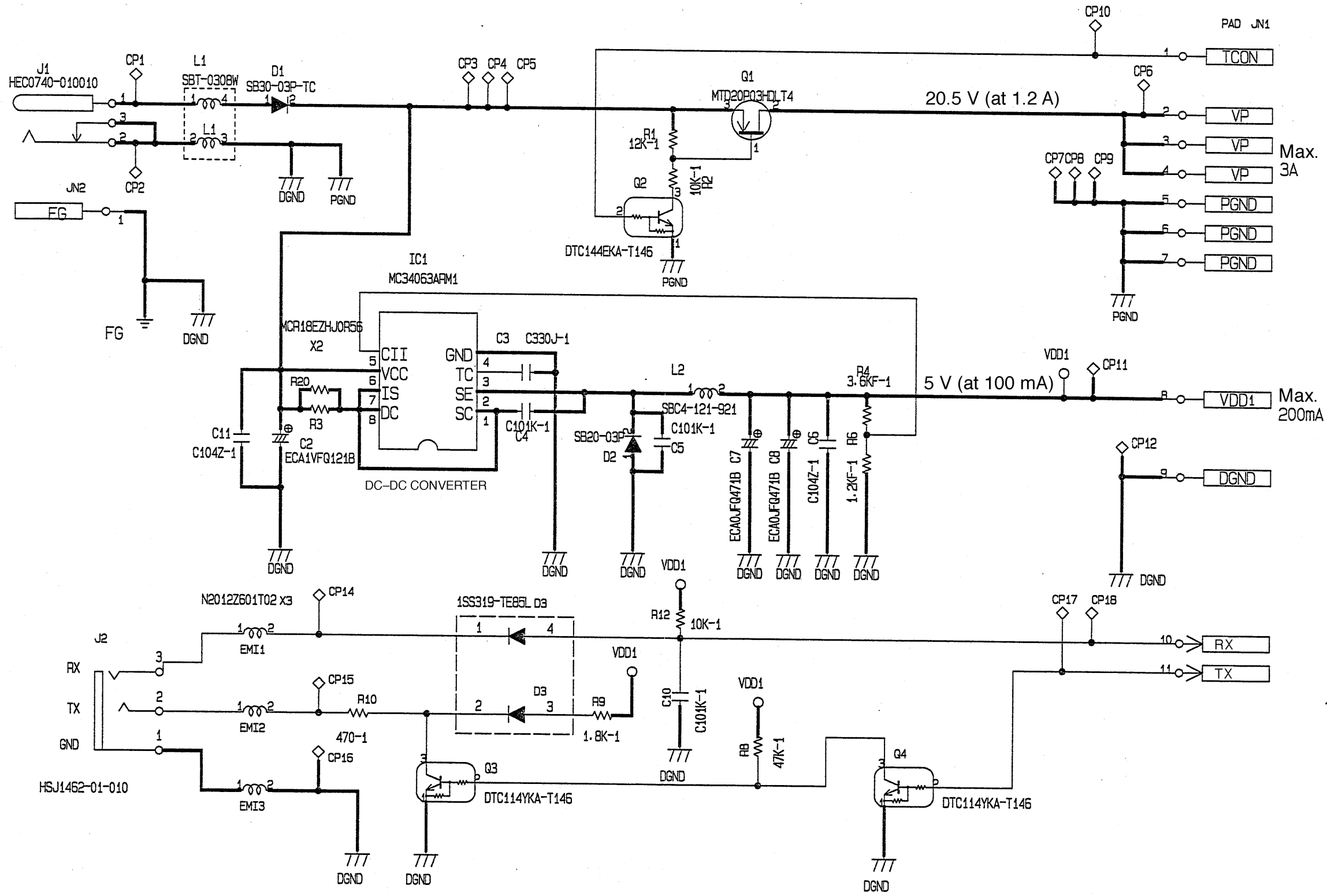


TO MAIN SHEET: 2

4-3. Main PCB Z568-1(2/2)

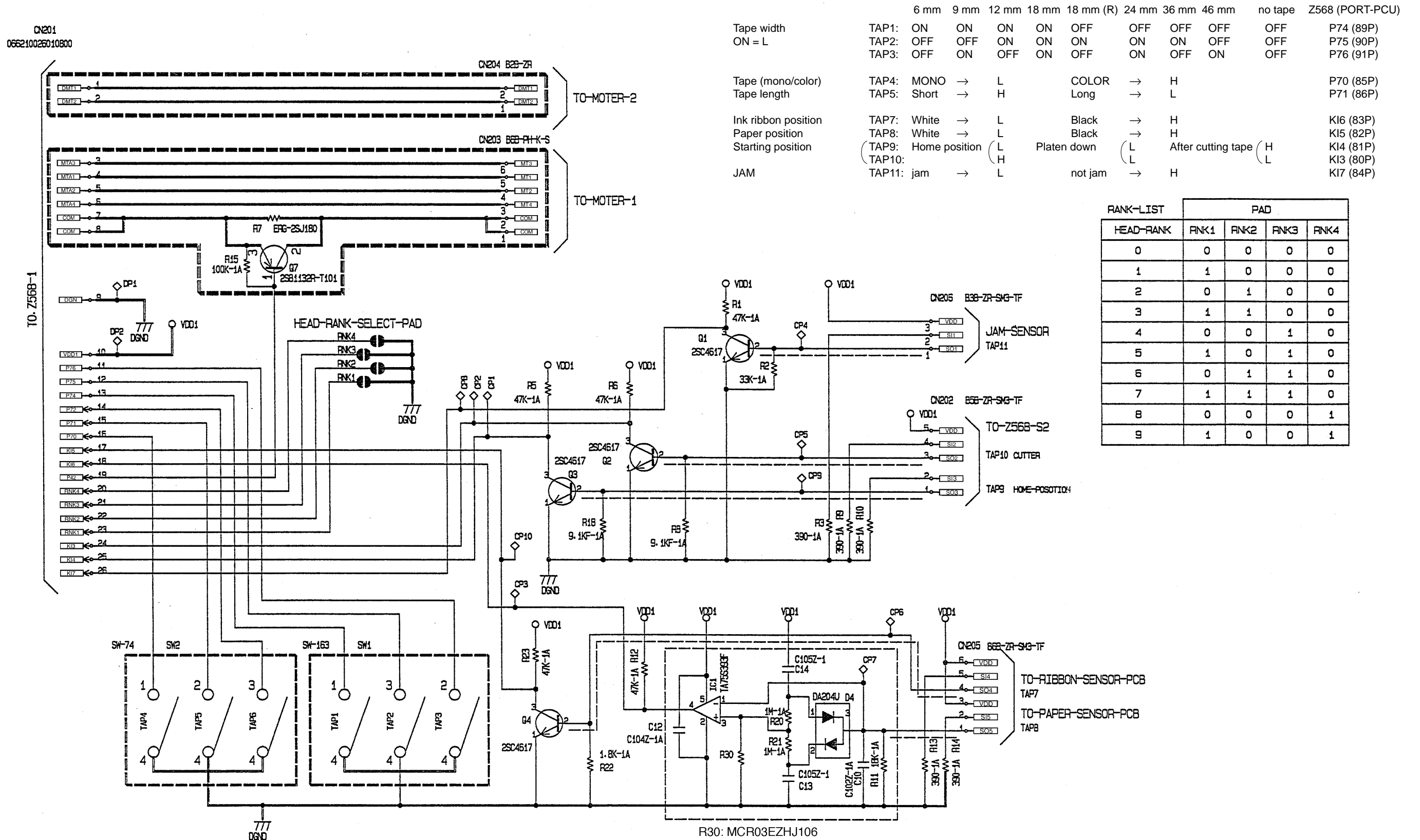


4-4. Power PCB Z568-S1



T0-PCBZ568-1

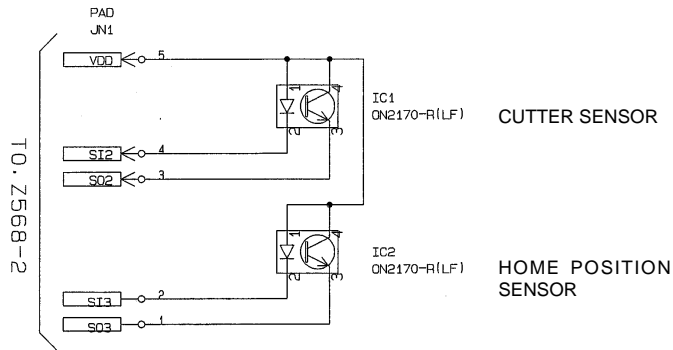
4-5. Sensor PCB Z568-2



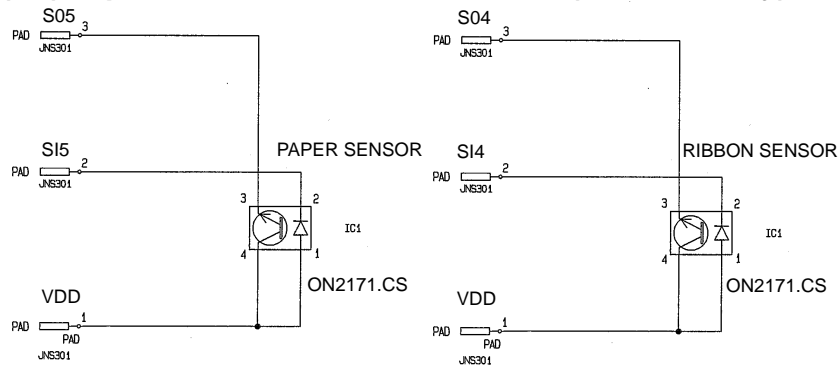
	6 mm	9 mm	12 mm	18 mm	18 mm (R)	24 mm	36 mm	46 mm	no tape	Z568 (PORT-PCU)	
Tape width	TAP1: ON	ON	ON	ON	OFF	OFF	OFF	OFF	OFF	P74 (89P)	
ON = L	TAP2: OFF	OFF	ON	ON	ON	ON	ON	OFF	OFF	P75 (90P)	
	TAP3: OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	P76 (91P)	
Tape (mono/color)	TAP4: MONO	→	L		COLOR	→	H			P70 (85P)	
Tape length	TAP5: Short	→	H		Long	→	L			P71 (86P)	
Ink ribbon position	TAP7: White	→	L		Black	→	H			K16 (83P)	
Paper position	TAP8: White	→	L		Black	→	H			K15 (82P)	
Starting position	TAP9: Home position	(L		Platen down	(L		After cutting tape	(H
	TAP10:		H				L				K14 (81P)
JAM	TAP11: jam	→	L		not jam	→	H				K13 (80P)
											K17 (84P)

HEAD-RANK	RANK-LIST			
	RANK1	RANK2	RANK3	RANK4
0	0	0	0	0
1	1	0	0	0
2	0	1	0	0
3	1	1	0	0
4	0	0	1	0
5	1	0	1	0
6	0	1	1	0
7	1	1	1	0
8	0	0	0	1
9	1	0	0	1

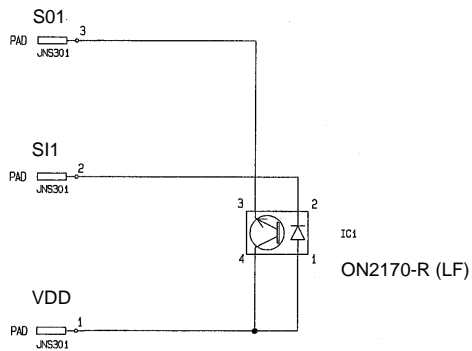
4-6. Cam sensor PCB Z568-S2



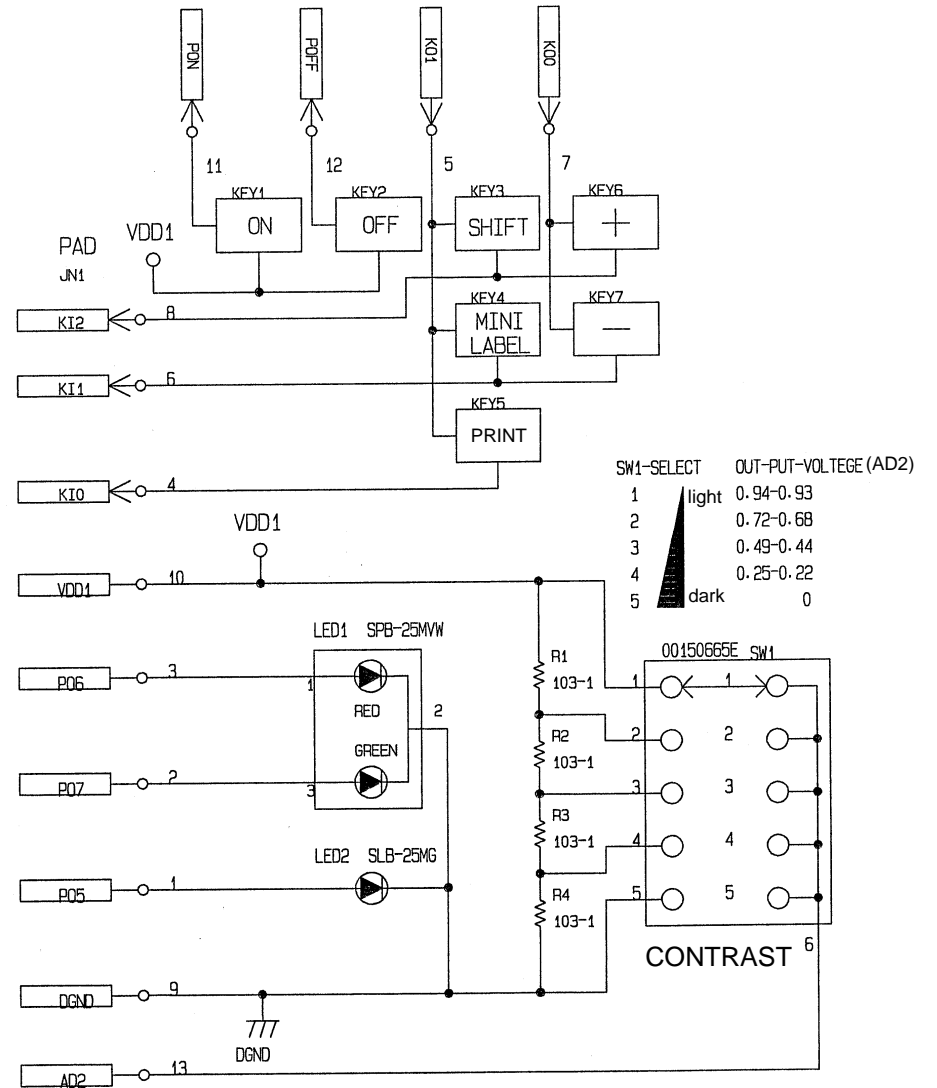
4-7. (1/2) Paper, Ribbon sensor PCB Z568-S3 (Z568-S3 Ass'y)



4-7.(2/2) Jam sensor PCB Z568-S3 (Z568-S4 Ass'y)



4-8. Key Matrix Z568-E4



5. CIRCUIT EXPLANATION

5-1. LSI PIN FUNCTION

CPU (MN1020004-1): LSI1

Pin No.	Name	I/O	Function
1~24	A0~A23	I/O	Address bus
25	/RE	O	Read signal to program ROM(LSI3),S-RAM(LSI4) & gate array(LSI2)
27	/WEH	O	Write signal to S-RAM(LSI4),RS-RAM(LSI5,6) & gate array(LSI2)
28~31	PO0~PO3	I	Setting for head rank
33~35	PO5~PO7	O	Control signal for LED
36~43	D8~D15	I/O	Data bus
44	RAS	O	Refresh signal to gate array(LSI2)
45	/CS0	O	Chip select signal to program ROM(LSI3)
49	VSS	—	Digital ground for LSI1
50	VDD	I	Power supply for LSI1
51	/RST	I	Reset for LSI1(from gate array)
52	/BUSREQ	I	Bus request from gate array(LSI2)
53	/BUSGT	O	Bus grant signal to gate array(LSI2)
55	AD0	I	Detection of temperature for thermal head
56	AD1	I	Adjustment of temperature for OP layer
57	AD2	I	Adjustment of picture contrast
59	AVDD	I	Power supply for A/D converter of LSI1
60	AVSS	—	Analog ground for A/D converter of LSI1
61~64	RTOA0~RTOA3	O	Data for stepping motor control(4 bits)
65~66	RTOB0~RTOB3	O	Data for DC motor control(2 bits)
69	SBI0	I	Serial data input from QV camera
70	SBO0	O	Serial data output to QV camera
71	P42	O	Control signal for power supply of stepping motor
73~74	IRQ0~IRQ1	I	Interrupt request from gate array(LSI2)
75~76	/KO0~/KO1	O	Key scanning signal
77~79	/KI0~KI2	I	Key scanning signal
80	/KI3	I	Signal from tape cutter sensor
81	/KI4	I	Signal from home position sensor
82	/KI5	I	Signal from ribbon sensor
83	/KI6	I	Signal from paper sensor
84	/KI7	I	Signal from jam sensor
85	P70	I	Detection of tape color(monochromatic tape/color tape)
86	P71	I	Detection of tape length
87	P72	I	Detection of black ink ribbon
89~91	P74~P76	I	Detection of tape width
93	SYSCCLK	O	System clock to gate array(LSI2), 6 MHz
97	VDD	I	Power supply for LSI1
98	OSCI	I	Clock for LSI1(from gate array(LSI2)), 12MHz
100	VSS	—	Digital ground for LSI1

GATE ARRAY (MN7A076KYL): LSI2 (Internal analog circuit of LSI2 is not used)

Pin No.	Name	I/O	Function
1	VSS	—	Digital ground for LSI2
2~15	A10~A23	I/O	Address bus
16	CS2	O	Chip select to static RAM(LSI4)
17	CE3R	O	Chip enable to PS-RAM(LSI5)
18	CE3G	O	Chip enable to PS-RAM(LSI6)
20	RFSH	O	Refresh signal to PS-RAM(LSI5,6)
21	PSOE	O	Output enable to PS-RAM(LSI5,6)
22~29	DR0~DR7	I/O	Data bus for PS-RAM(LSI5)/color data(red & green)
30~31, 34~39	DG0~DG7	I/O	Data bus for PS-RAM(LSI6)/color data(blue) & work data
32	VSS	—	Digital ground for LSI2
33	VDD	I	Power supply for LSI2
48	SO1	O	Serial data for thermal head(upper part of picture)
49	PCLK1	O	Clock for thermal head(upper picture)
50	SO2	O	Serial data for thermal head(lower part of picture)
51	PCLK2	O	Clock for thermal head(lower picture)
52	LTCH	O	Latch pulse for data to thermal head
53	PSTB1	O	Strobe signal for upper picture data to thermal head
54	PSTB2	O	Strobe signal for lower picture data to thermal head
58	VDD	I	Power supply for LSI2
59	VSS	—	Digital ground for LSI2
60~72	Analog terminal	—	(not used)
73	VDD	I	Power supply for LSI2
74	VSS	—	Digital ground for LSI2
75	Analog terminal	—	(not used)
76	PON	I	Forced power on
77	POFF	I	Forced power off
78~80	Analog terminal	I	(not used)
85	TCON	O	Control for power(VP)(power on/off)
86	RSO	O	Reset output from LSI2
87	RSI	I	Reset signal to LSI2
88	VDE	I	Detection of low voltage(VDD1=4.30~4.35 V)
94~95	INT1~0	O	Interrupt signal for LSI1(CPU)
96	VSS	—	Digital ground for LSI2
97	VDD	I	Power supply for LSI2
98	BUSGT	I	Bus grant signal from CPU(LSI1)
99	BUSRQ	O	Bus request to LSI1(CPU)
100	RESET	O	Reset signal to LSI1(CPU)
101~108	CD7~CD0	I/O	Data bus
109	CWR	I	Write signal from LSI1(CPU)
110	CRD	I	Read signal from LSI1(CPU)
111	SYSCLK	I	System clock from LSI1(CPU), 6 MHz
112	VSS	—	Digital ground for LSI2
113	XIN	I	Master clock for LSI2(input), 24 MHz
114	XOUT	O	Master clock for LSI2(output), 24 MHz
115	VDD	I	Power supply for LSI2
116	CRFSH	I	Refresh signal from LSI1(CPU)
117	CLK	O	Clock for LSI1(CPU)
118~127	A0~A9	I/O	Address bus
128	VDD	I	Power supply for LSI2

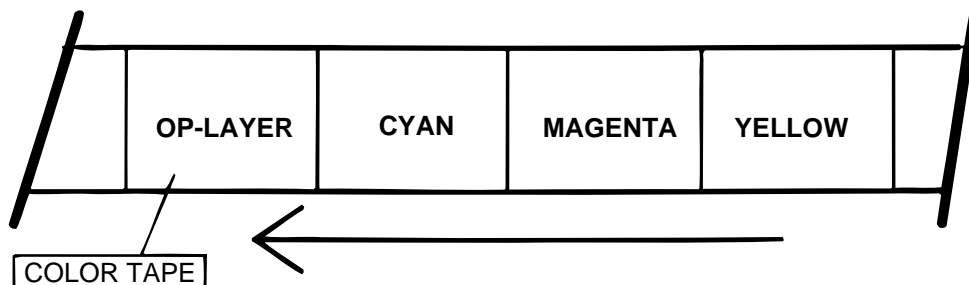
5-2. CIRCUIT EXPLANATION

● FLOW OF PICTURE DATA (Refer to 3. BLOCK DIAGRAM)

1. The picture data from QV camera (digital serial data) are converted into compressed parallel data (8 bits) by CPU (LSI1), then its data are accumulated in the S-RAM (LSI4).
2. These data are further converted to the corrected color data by CPU (LSI1).
3. Its data are accumulated in the PS-RAM (LSI5, 6) passing through the gate array (LSI2) as the expanded data.
4. Then, its data are supplied to the thermal head as the printing data passing through the gate array (LSI2).

● PRINTING METHOD

1. Thermal head prints yellow data using the yellow part of color tape first.
2. Next, thermal head prints reddish violet data using the magenta part of color tape, and then prints blue data using the cyan part of color tape.
3. Finally, thermal head prints the coating layer using the OP-layer part of the color tape.



● LOGIC LEVEL OF SENSOR TERMINAL

Refer to the table on 4. SCHEMATIC DIAGRAMS (4-5. Sensor PCB Z568-2).

● TRUTH TABLE OF DC MOTOR DRIVE IC (BA6885)

Refer to 4. SCHEMATIC DIAGRAMS (4-2. Main PCB Z568-1 (1/2)).

FIN	RIN	OUT1	OUT2	MODE
H	L	H	L	Regular rotation mode
L	H	L	H	Reversed rotation mode
H	H	L	L	Brake mode
L	L	OPEN	OPEN	Stand-by mode

6. SETTING THE THERMAL HEAD

● SETTING THE THERMAL HEAD RANK

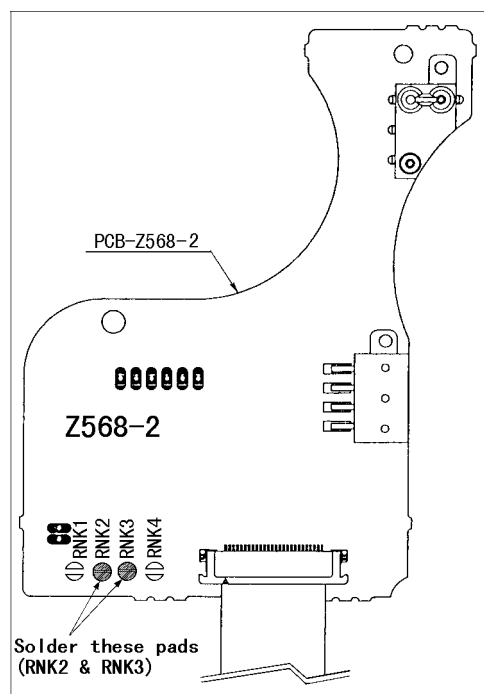
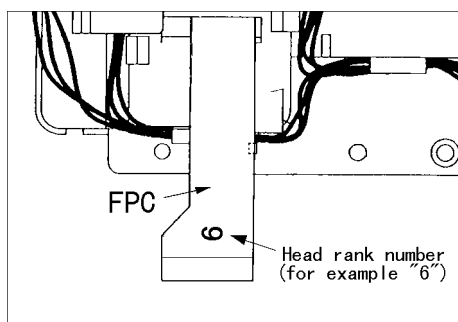
Solder the pads (RNK1 ~ RNK4) on PCB Z568-2 according to the head rank number indicated on the tip of FPC from the thermal head. Refer to the next table.

HEAD RANK No.	RNK1	RNK2	RNK3	RNK4
0	OPEN	OPEN	OPEN	OPEN
1	SHORT	OPEN	OPEN	OPEN
2	OPEN	SHORT	OPEN	OPEN
3	SHORT	SHORT	OPEN	OPEN
4	OPEN	OPEN	SHORT	OPEN
5	SHORT	OPEN	SHORT	OPEN
6	OPEN	SHORT	SHORT	OPEN
7	SHORT	SHORT	SHORT	OPEN
8	OPEN	OPEN	OPEN	SHORT
9	SHORT	OPEN	OPEN	SHORT

SHORT: Solder pad OPEN: Don't solder pad

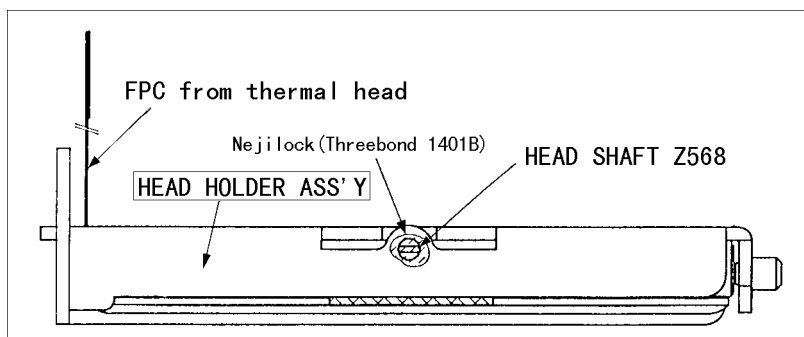
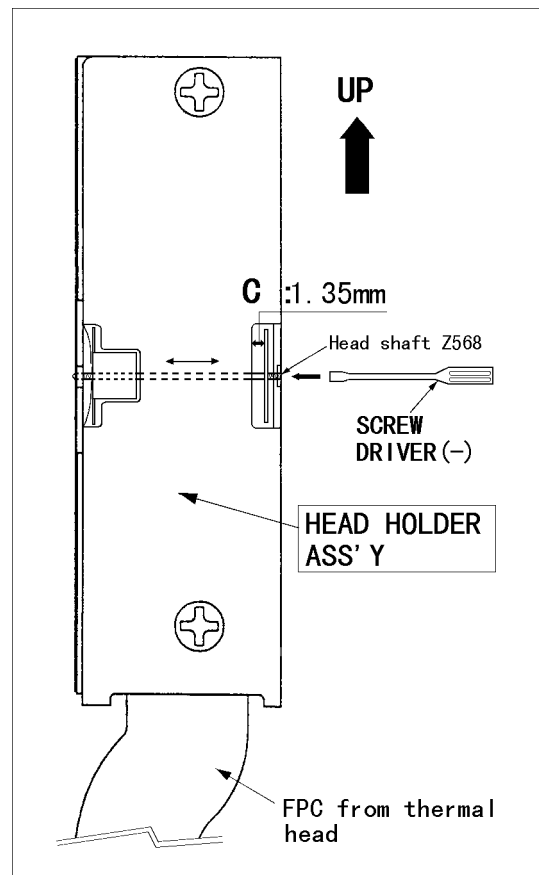
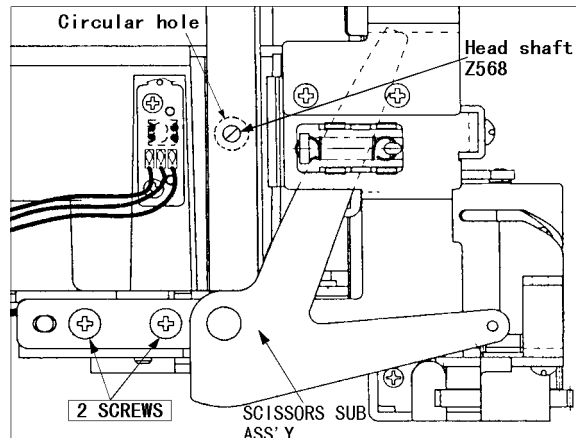
* **HEAD RANK No. = RNK1 × 1 + RNK2 × 2 + RNK3 × 4 + RNK4 × 8**
 (RNK1 ~ 4: SHORT = 1, OPEN = 0)

For example, if head rank number on FPC is 6, solder both RNK2 pad & RNK3 pad on PCB-Z568-2.



● **SETTING THE THERMAL HEAD POSITION**

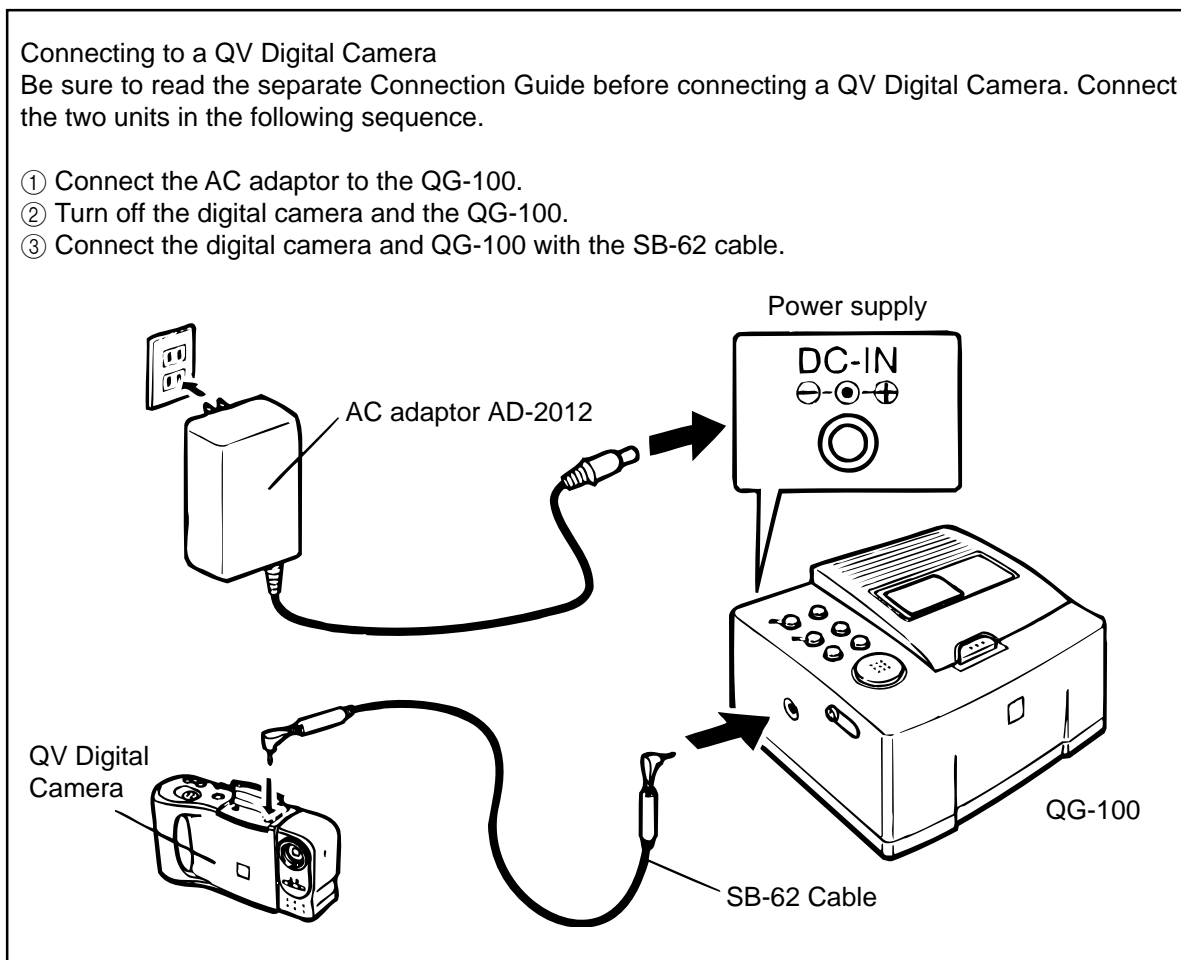
- ① Remove the printer unit referring to **9. DIS-ASSEMBLY**.
- ② Remove 2 screws, then remove scissors sub ass'y.
(Refer to the right figure)
- ③ Adjust the clearance of **C** part of in the head holder ass'y to **1.35 mm** by turning the head shaft Z568 using screw driver (-) and clearance gauge.
(Refer to the right figure)
- ④ Print half-tone pattern.
(Refer to **7-3. OPERATION CHECK**)
- ⑤ If abnormal picture (blurred and striped picture) appears, try to turn the head shaft Z568 again.
Turning this shaft clockwise, the thermal head moves to the left and printed picture tends to be blurred.
Turning this shaft counterclockwise, the thermal head moves to the left and printed picture tends to be striped.
- ⑥ If the picture is normal, apply the nejllock to this shaft to fix it.
(Refer to the lower figure)



7. SENSOR POSITION, PRINTING SPECIFICATION & OPERATION CHECK

● REMARK

1. After checking to make sure that the QV Digital Camera you are connecting to is turned off, connect the QG-100.



- Printer power may turn on automatically when you connect the adaptor and plug into a wall socket. If this happens, be sure to turn off the digital camera and the QG-100 before connecting the SB-62 cable.
 - Make sure the AC adaptor and SB-62 cable plug are connected securely to the digital camera and the QG-100. Push them in as far as they will go.
 - We recommend that you use the digital camera's AC adaptor to power it, and that you do not rely on battery power during this operation.
2. Refer to **8. TROUBLESHOOTING** as to turning power on/off QV camera and QG-100.
 3. While turning on QV camera and QG-100 power, QV camera's button (mode, zoom, +, -, rec., play, etc.) cannot operate. Only QG-100's button can operate.
 4. While QV camera has not some picture data, you can not turn on QG-100 power.

Important!

- When printing, the tape repeatedly feeds forward and back while the print operation is being performed. The tape is cut automatically after the print operation is complete. Never pull on the tape or turn off QG-100 power while a print operation is being performed.
- The POWER indicator color becomes orange while printing is being performed, and changes back to green when printing is completed.
- Pressing **PRINT** causes the POWER indicator to start flashing orange, indicating that data is being received from the digital camera. It may take a bit of time before actual printing begins.
- Start of a print operation may cause a little bit of blank tape to feed from the printer.
- Never open the printer's cover while a print operation is in progress.
- Printing may stop momentarily while you are outputting a series of prints or after you have used the QG-100 continually for a long time. This is a normal operation that the QG-100 performs to protect against overheating, and does not indicate malfunction. Normal printing should resume automatically.
- The color of an image printed on the printer may vary a little from the color of the actual item.

7-1. SENSOR POSITION

See to 11-1. EXPLODED VIEW (Z568-1 ASS'Y & COMPONENTS) (30 page).

7-2. PRINTING SPECIFICATION

- **Printing method** — thermal printing
- **Printing head** — 384 dots
- **Resolution** — 200 dpi (dots per inch)
- **Gradation number** — 64 (gradation)
- **Tape cartridge** — 18, 36 & 46 mm width tape
- **Printing size** — Standard printing: 3 varieties/18 mm × 6, 36 mm × 1, 46 mm × 1
Multi-image printing: 2 varieties/36 mm × 2, 46 mm × 4
- **Printing time** (Standard printing) — 18 mm tape ... about 4 minutes 15 sec. (6 images printing)
36 mm tape ... about 2 minutes 15 sec.
46 mm tape ... about 2 minutes 45 sec.

● Tape types and sizes when connecting to a QV Digital Camera

Print size is set automatically according to the width of tape loaded.

	Tape Width	Standard Print Size (Number of Prints)	Multi-image Size (Number of Prints)
QR-18CR	18 mm (1 ¹ / ₁₆ ")	16.0 × 21.5 (6)	16.0 × 21.5 (6)
QR-36CR	36 mm (1 ³ / ₈ ")	27.5 × 37.0 (1)	16.0 × 21.5 (2)
QR-46CR	46 mm (1 ¹³ / ₁₆ ")	41.25 × 55.5 (1)	16.0 × 21.5 (4)

18 tape provides 30 prints.

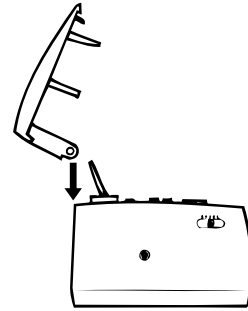
36 tape provides 60 prints.

46 tape provides 50 prints.

Store tapes in their original plastic bags in an area where they will not be subjected to high humidity. Be sure to use only tape cartridges designed specially for use with the QG-100.

Replacing the Cover if it Comes Off

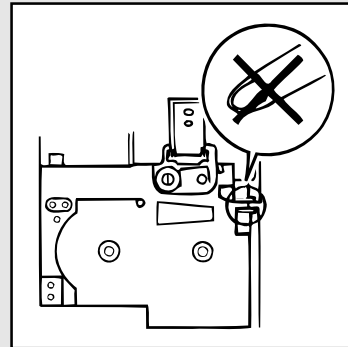
If the cover comes off, replace it as shown in the illustration nearby. Take care to avoid damaging the tabs and hinges when installing the cover.



Important!

Observe the following precautions whenever there is no tape cartridge loaded in the printer.

- Never press **SHIFT PRINT**.
- Never touch the cutter, which is located at the position noted in the illustration.



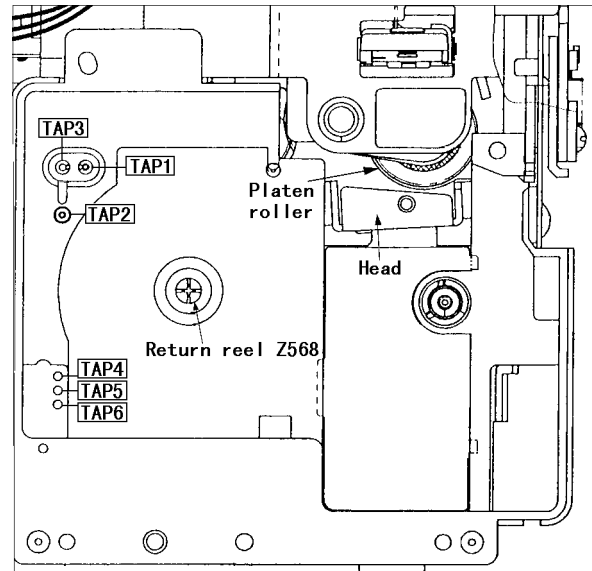
7-3. OPERATION CHECK

● TAPE DETECTION SWITCH

Opening the cassette case cover, six black switches (TAP1~6) appear. (Refer to the right figure)

These switches detect the tape width, length and coloring.

In the case of short color tape, refer to the lower table. Normally, these tapes are used for QG-100.

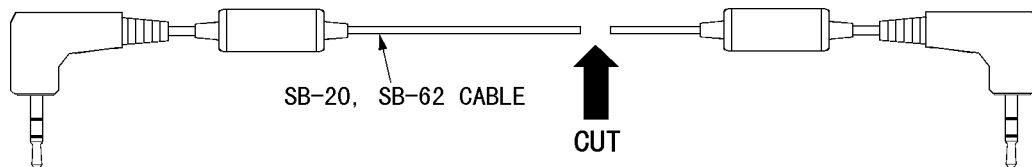


TAPE DETECTION SWITCH	18mm	36mm	46mm
TAP1	ON	OFF	OFF
TAP2	ON	ON	OFF
TAP3	ON	OFF	ON
TAP4	OFF	OFF	OFF
TAP5	OFF	OFF	OFF
TAP6	OFF	OFF	OFF

Refer to 4. SCHEMATIC DIAGRAM (4-5. Sensor PCB Z568-2).

● OPERATION CHECK (QV camera-QV-10, QV-10A, QV-30. Don't use QV-100)

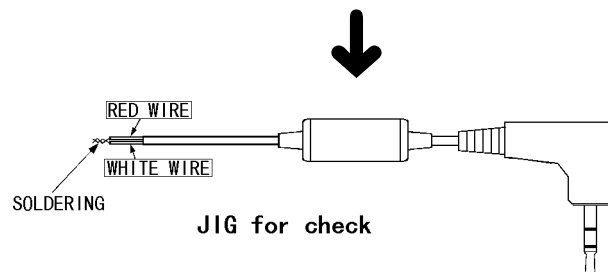
1. Make the jig for check using SB-20 or SB-62 communication cable as mentioned bellow.



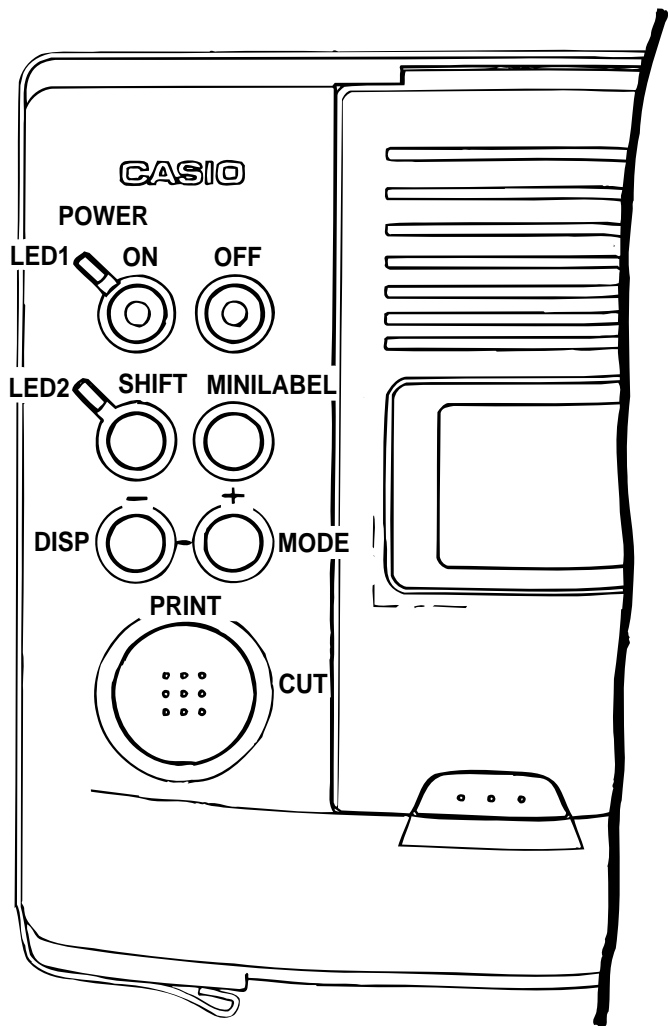
Cut the cable, then strip the covering.

Strip the covering of red and white wire, then solder these core wire.

Cut the copper wires for shielding.



2. Insert this jig to the 3pin jack of QG-100, then turn on QG-100 power while pressing ⊕ and ⊖ button at the same time. Then, LED1 shines (green).
3. Remove this jig.
4. Turn on QV camera power.
5. Connect QG-100 to QV camera using SB-62 communication cable.



5. MEMORY CHECK

Press ⊕ button.

CHECK ITEM	QV CAMERA'S DISPLAY
1 ROM (SUM Check)	For example, <div style="border: 1px solid black; padding: 10px; margin: 10px auto; width: fit-content;"> 1 O DA37h 2 O 3 O 4 O </div>
2 S-RAM Check	
3 PS-RAM1 Check	
4 PS-RAM2 Check	
	O : OK X : NG

7. HEAD RANK, THERMISTOR TEMPERATURE, TAPE WIDTH & CONTRST CHECK

Set any color tape cartridge into QG-100, then press ⊖ button.

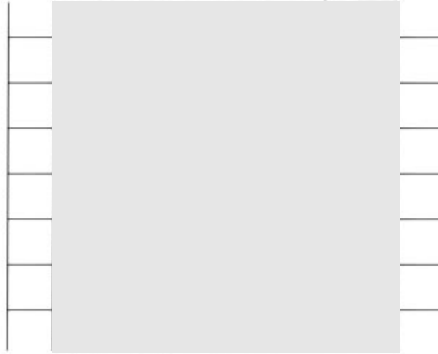
CHECK ITEM	QV CAMERA'S DISPLAY								
1 HEAD RANK	For example, <table border="1" style="margin-left: 20px;"> <tr><td>1</td><td>6</td></tr> <tr><td>2</td><td>28</td></tr> <tr><td>3</td><td>C46</td></tr> <tr><td>4</td><td>2</td></tr> </table>	1	6	2	28	3	C46	4	2
1		6							
2		28							
3		C46							
4	2								
2 THERMISTOR TEMPATURE									
3 TAPE WIDTH									
4 CONTRAST									
	No tape cartridge → 3 ナシ Head rank: 6, Temperature of thermistor: 28 degree C Tape width: 46mm, Contrast: 2 (1~5)								

8. KEY & LED CHECK

PROCEDURE NO.	CHECK ITEM	OPERATION	QV CAMERA'S DISPLAY
1	KEY	Press SHIFT button, then ⊕ button.	No display
2		Press SHIFT button.	SH
3		Press MINI LABEL button.	SH MI
4		Press ⊕ button.	SH MI +
5		Press ⊖ button.	SH MI + -
6		Press PRINT button.	SH MI + - PR
			LED
7	LED	Press no button.	Both LED1 and LED2 does not shine.
8			LED1 shines(green). LED2 do not shine.
9			LED1 shines(red). LED2 do not shine.
10			LED1 do not shines. LED2 shines(green).
11			LED1 shines(green). LED2 do not shine.

9. HALF TONE PATTERN PRINTING CHECK

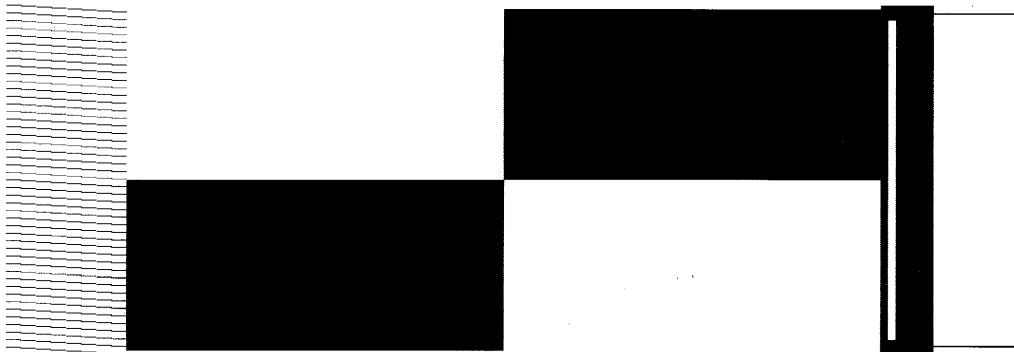
Set the tape cartridge(46 mm, color tape) to QG-100, then press PRINT button. A half-tone pattern picture will be printed as shown bellow.



Check the printed picture. An extreme abnormal picture (uneven, stirred and striped picture) is bad. Slightly uneven, stirred and striped picture is good.

10. MONOCHROMIC PICTURE PRINTING CHECK

Set the tape cartridge(6~46mm, monochromic tape) to QG-100, then press **SHIFT** button. Next, press **PRINT** button. A monochromic picture as shown bellow will be printed.



Check the printed picture. An extreme abnormal picture(uneven, stirred and striped picture) is bad. Slightly uneven, stirred and striped picture is good.
A picture sticking broken pieces and extreme hot tape after printing is bad. A picture being openings is bad, too.

8. TROUBLESHOOTING

- **Power Supply**

POWER indicator does not light when you press ON .	
Possible Cause	Recommended Action
AC adaptor is not plugged in properly.	Check AC adaptor connections.

- **Printing**

Tape does not come out when PRINT key is pressed.	
Possible Cause	Recommended Action
Printer cover is not closed.	Make sure printer cover is closed completely.
End of tape or ink ribbon	Replace the tape cartridge with a new one.
Tape jam	Remove the tape cartridge and take out the jammed tape by hand. Use scissors to cut off any excess tape that may have come out of the tape cartridge, and reload the cartridge. Important! During printing, never touch the tape as it come out and never allow the tape outlet to become blocked.

Printing is scratched, blurred, broken, etc.	
Possible Cause	Recommended Action
Incorrect print density setting	Adjust the print density.
Tape cartridge is not loaded correctly.	Load the tape cartridge correctly.
Printer head and rubber rollers are dirty.	Clean the printer head and rubber rollers.

Ink ribbon coming out of the tape outlet with the tape.	
Possible Cause	Recommended Action
Tape cartridge was loaded while the ink ribbon was slack.	Remove the tape cartridge, take up any slack, and reload it. Important! <ul style="list-style-type: none"> • Always make sure you take up any slack in the ink ribbon before loading the tape cartridge. • Whenever the ink ribbon breaks, replace the cartridge with a new one.

- **Tape Cutting**

Tape does not cut.	
Possible Cause	Recommended Action
Tape cutter is worn.	Consult with your original dealer.

- **Label Adhesion**

Label does not stick.	
Possible Cause	Recommended Action
Backing paper is not removed.	Remove the backing paper from the label to expose its adhesive.
Attempt to stick label onto improper object or surface.	Labels will not stick to surfaces that are rough, wet, oily, or dirty.

- **Communications**

Cannot transfer data.	
Possible Cause	Recommended Action
Improper cable connections.	<ol style="list-style-type: none"> 1. Turn off digital camera and QG-100 power in the sequence under 5*. 2. Press in SB-62 cable plugs as far as they will go. 3. Turn on digital camera and QG-100 power in the sequence under 3*.

- **Data Communications**

Digital camera error display, no response from QG-100 keys, cannot display digital camera images.	
Possible Cause	Recommended Action
Improper cable connections.	<ol style="list-style-type: none"> 1. Turn off QG-100 power. 2. Turn off digital camera power. 3. Turn on digital camera and QG-100 power in the sequence under 3*.

- **During Operation**

Image disappears from digital camera monitor screen.	
Possible Cause	Recommended Action
Dead digital camera batteries.	Turn off QG-100 power and then replace digital camera batteries.

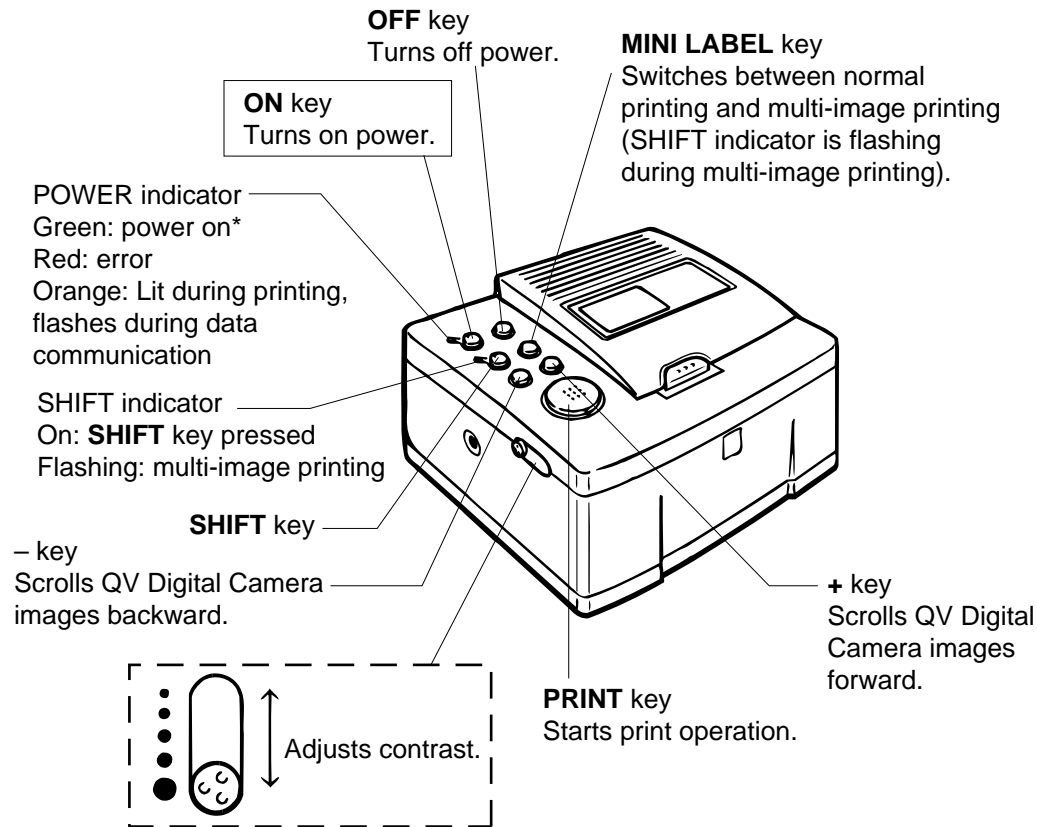
If you continue to have problems after performing the recommended actions described above, consult with your original dealer.

- **REMARK**

Refer to 23 ~24 pages on **3** and **5**.

3 Turn on QV Digital Camera and wait for an image to appear on its monitor screen. Next, turn on QG-100 power.

Make sure you connect to a QV Digital Camera before turning on power.



* The POWER indicator flashes orange for a few seconds while the QG-100 checks the digital camera's status.

The following describe key operations in combination with **SHIFT**. The operations listed below are performed when the SHIFT indicator is lit.

- **SHIFT +**: Performs the same function as the QV Digital Camera's **MODE** button (switches between multi-image and single-image display).
- **SHIFT -**: Performs the same function as the QV Digital Camera's **DISP** button (displays page number).
- **SHIFT PRINT**: Cuts tape.
- **SHIFT SHIFT**: Second **SHIFT** operation cancels first operation.
- **SHIFT MINI LABEL**: **MINI LABEL** operation cancels **SHIFT** operation.

Perform the following steps whenever the QG-100 does not operate properly.

1. Turn off the QG-100.
 2. Wait until the monitor screen of the digital camera changes from blue to a recorded image.
 3. Turn of the digital camera.
 4. Turn the digital camera back on, and wait until a recorded image appears on its monitor screen.
 5. After an image appears, turn on the QG-100.
- The digital camera power may not turn off when you operate its POWER switch if the camera is not connected correctly to the QG-100 or if you perform an improper operation while they are connected. If this happens, use one of the procedures described below **5**.

5 Turn off power.

- ① Turn off the QG-100.
- ② Wait until the monitor screen of the digital camera changes from blue to a recorded image.
- ③ Turn off the digital camera.
- ④ Disconnect the SB-62 cable from QG-100 and the digital camera.

Important!

The digital camera power may not turn off when you operate its POWER switch if the camera is not connected correctly to the QG-100 or if you perform an improper operation while they are connected. If this happens, use one of the following procedures to correct the problem.

• When operating under battery power

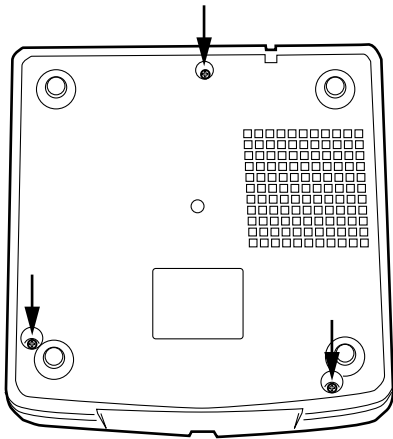
1. Remove the batteries from the digital camera.
2. Reload the batteries back into the digital camera.

• When operating under AC adaptor power

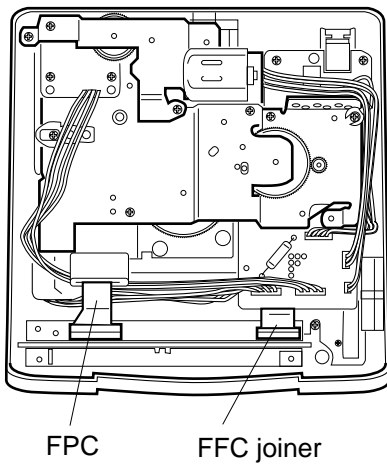
1. Unplug the AC adaptor from the digital camera.
2. Plug the AC adaptor back into the digital camera.

9. DISASSEMBLY

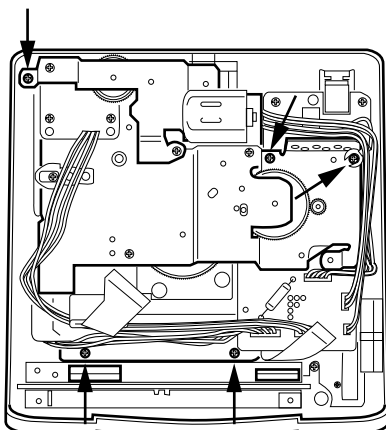
- ① Turn over the unit then remove 3 screws.



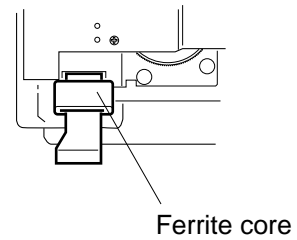
- ② Disconnect FPC and FFC joiner from connector.



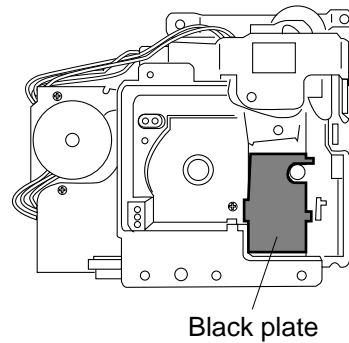
- ③ Remove 5 screws pointed by arrows then remove printer unit from the main unit.



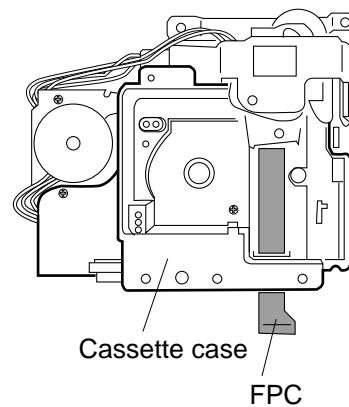
- ④ Remove ferrite core from shield plate.



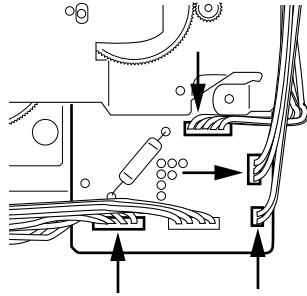
- ⑤ Turn over the printer then remove the FPC black protector plate.



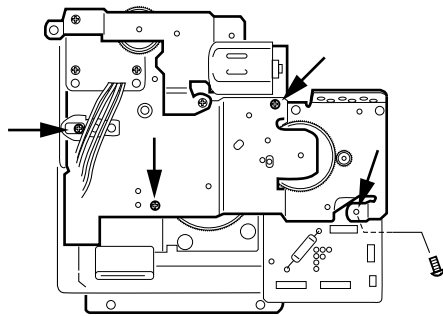
- ⑥ Disconnect FPC from cassette case.



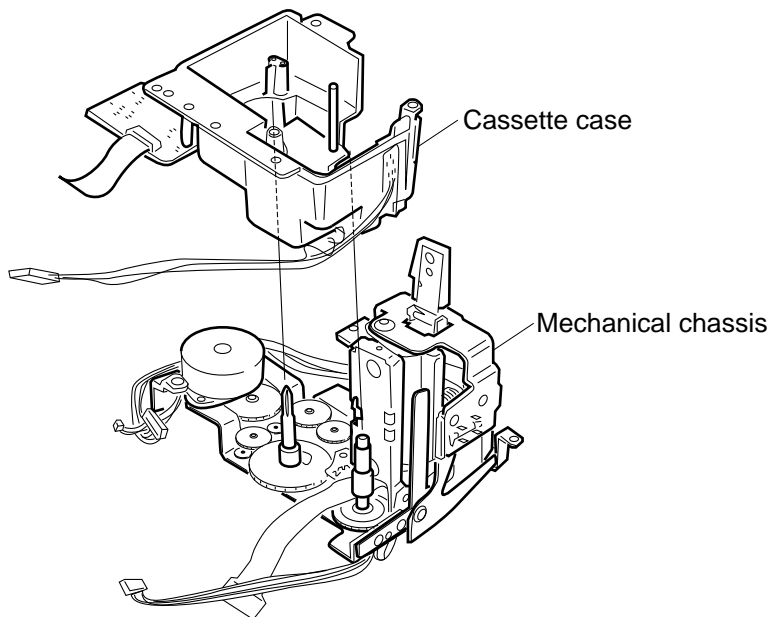
⑦ Disconnect the 4 connectors pointed by arrows.



⑧ Remove 4 screws pointed by arrows.



⑨ Separate cassette case and mechanical chassis of printer unit.



PARTS LIST 10-1: Z568-1 ASS'Y, COMPONENT & OTHERS

N	Item	Code No.	Parts Name	Specification	Version	Q	R
Z568-1 ASS'Y							
N	LSI1	2012 2751	LSI	MN1020004-1	QG-100 Common	1	B
N	LSI2	2012 1442	LSI	MN7A076KYL	QG-100 Common	1	B
N	LSI3	2012 5498	LSI	LC371100SM-E59	QG-100 Common	1	B
N	LSI4	2012 4130	LSI	TC55257DFL-70L	QG-100 Common	1	B
	LSI5,6	2012 1449	LSI	TC518128CFL-80	QG-100 Common	2	B
	IC1	2105 2667	CMOS IC	RH5VL45AA	QG-100 Common	1	B
	IC2	2105 1547	CMOS IC	TC7S00F-TE85R	QG-100 Common	1	B
N	IC3	2113 0329	Bipolar IC	MC1413DTR2	QG-100 Common	1	B
N	IC4	2113 0322	Bipolar IC	BA6885FS-E2	QG-100 Common	1	B
	Q1	2259 2282	Digital transistor	DTC114YE-TR	QG-100 Common	1	B
N	Q2~4	2259 2576	Chip digital transistor	DTA144EE-TR	QG-100 Common	3	B
N	X1	2590 2415	Ceramic oscillator	CSTCS24.00MX040-TC	QG-100 Common	1	C
N	EMI1	3045 0140	Chip ferrite bead	BLM11P300SPT	QG-100 Common	1	C
N	EMI6,9,11, EMI20~25	3045 0126	Chip ferrite bead	BLM11A601SPT	QG-100 Common	9	C
N	EMI12~15	3045 0175	Chip ferrite bead	BLM11B141SPT	QG-100 Common	4	C
N	EMI16,17	3045 0196	Chip ferrite bead	N1608ZA800T01	QG-100 Common	2	C
N	CN1	3502 1627	FFC connector	046214026010800	QG-100 Common	1	C
N	CN2	3502 1613	FFC connector	006208513210000	QG-100 Common	1	C
	CN3	3501 9758	Connector	B11B-PH-SM3-TB	QG-100 Common	1	C
N	CN4	3502 1620	FFC connector	006208515210000	QG-100 Common	1	C
N	1	6417 7940	Shield case A-Z568	A341150-1	QG-100 Common	1	X
N	2	6417 7950	Shield case B-Z568	A341151-1	QG-100 Common	2	X
N	3	6418 6420	Tape F-Z568	A442209-1	QG-100 Common	2	X
The following electronic parts will be not supplied from CASIO.							
	C1		Chip capacitor	MCH185A431JK	QG-100 Common	1	
	C2,C4~6, C9,13,18, C20,21,28, C29,34		Chip capacitor	GRM39F104Z25PT	QG-100 Common	12	
	C3,7,8,12, C14,16,17, C23~25		Chip capacitor	GRM39B102K50PT	QG-100 Common	10	
	C10		Chip capacitor	GRM40F105Z16PT	QG-100 Common	1	
	C11,30,31		Chip capacitor	GRM39F103Z50PT	QG-100 Common	3	
	C15		Tantalum capacitor	ECST1AY685R	QG-100 Common	1	
	C19,32,33		Chip electrolytic capacitor	ECEV1VA100P	QG-100 Common	3	
	C26,27		Chip capacitor	GRM39CH240J50PT	QG-100 Common	2	
	C43		Chip electrolytic capacitor	ECEV0JA470SP	QG-100 Common	1	
	R3		Chip resistor	MCR03EZHJ2702	QG-100 Common	1	
	R7~9		Chip resistor	MCR03EZHJ331	QG-100 Common	3	
	R10~12, R17~20, R23, R25~28, R31,42		Chip resistor	MCR03EZHJ473	QG-100 Common	14	
	R13		Chip resistor	MCR03EZHJ333	QG-100 Common	1	
	R14		Chip resistor	MCR03EZHJ221	QG-100 Common	1	
	R15		Chip resistor	MCR03EZHJ272	QG-100 Common	1	

Notes: N – New parts
Q – Quantity used per unit
R – Rank

R – A: Essential
B: Stock recommended
C: Others
X: No stock recommended

N	Item	Code No.	Parts Name	Specification	Version	Q	R	
	R16		Chip resistor	MCR03EZHJ153	QG-100 Common	1		
	R21,29,30,32, R33,40,41 R24,44		Chip resistor	MCR03EZHJ101	QG-100 Common	7		
	R45		Chip resistor	MCR03EZHJ332	QG-100 Common	2		
	R47		Chip resistor	MCR03EZHJ2R2	QG-100 Common	1		
	R48		Chip resistor	MCR03EZHJ222	QG-100 Common	1		
	R49,51,70		Chip resistor	MCR18EZHJ332	QG-100 Common	1		
	RM1,2,41		Chip resistor	MCR03EZHJ122	QG-100 Common	3		
	RM4,5		Chip network resistor	EXBV8V122JV	QG-100 Common	3		
	RM6~13, RM15~29		Chip network resistor	EXBV8V332JV	QG-100 Common	2		
	RM3,30,44		Chip network resistor	EXBV8V101JV	QG-100 Common	23		
			Chip network resistor	EXBV8V473JV	QG-100 Common	3		
Z568-E4 UNIT								
N	LED1	2370 1022	LED	SPB-25MVW	QG-100 Common	1	C	
N	LED2	2370 1337	LED	SLB-25MG	QG-100 Common	1	C	
N	4	3412 1960	Slide switch	00150565	QG-100 Common	1	C	
N	5	3725 2793	FFC joiner A-Z568	A441810-1	QG-100 Common	1	C	
N	6	6418 7060	Z568-E4 ass'y	A341180B*1	QG-100 Common	1	B	
N	7	6417 8380	Adhesive tape A-Z568	A441831-1	QG-100 Common	1	X	
			The following electronic parts will be not supplied from CASIO.					
			Chip resistor	MCR10EZHJ103	QG-100 Common	4		
Z568-S1 UNIT								
N	IC1	2114 5523	Monolithic IC	MC34063ARM1	QG-100 Common	1	B	
N	Q1	2254 0469	Chip FET	MTD20P03HDLT4	QG-100 Common	1	B	
N	Q2	2250 1435	Digital transistor	DTC144EKA-T146	QG-100 Common	1	B	
N	Q3,4	2259 2597	Digital transistor	DTC114YKA-T146	QG-100 Common	2	B	
	D1	2390 2184	Diode	SB30-03P-TC	QG-100 Common	1	C	
	D2	2390 1533	Schottoky diode	SB20-03P-TC	QG-100 Common	1	C	
	D3	2390 2513	Schottoky diode	1SS319-TE85L	QG-100 Common	1	C	
	EMI1~3	3045 0063	Chip ferrite bead	N2012Z601T02	QG-100 Common	3	C	
	J1	3501 8295	DC jack	HEC0740-010010	QG-100 Common	1	C	
	J2	3501 8666	3pin jack	HSJ1462-01-010	QG-100 Common	1	C	
	L1	3013 1722	Inductor	SBT-0308W	QG-100 Common	1	C	
N	L2	3013 2443	Coil	SBC4-121-921	QG-100 Common	1	C	
N	8	6417 7510	Wire sub ass'y A	A441807*1	QG-100 Common	1	C	
N	9	6417 7370	Z568-S1 ass'y	A240664E*1	QG-100 Common	1	B	
N	10	3035 0539	Ferrite core	KR16TT181006	QG-100 Common	1	C	
N	11	6418 1960	Cushion Z568	A442118-1	QG-100 Common	1	C	
			The following electronic parts will be not supplied from CASIO.					
	C2		Electrolytic capacitor	ECA1VFQ121B	QG-100 Common	1		
	C3		Chip capacitor	MCH215A330JK	QG-100 Common	1		
	C4,5,10		Chip capacitor	MCH215SL101KK	QG-100 Common	3		
	C6,11		Chip capacitor	MCH212F104ZK	QG-100 Common	2		
	C7,8		Electrolytic capacitor	ECA0JFQ471B	QG-100 Common	2		

Notes: N – New parts

Q – Quantity used per unit

R – Rank

R – A: Essential

B: Stock recommended

C: Others

X: No stock recommended

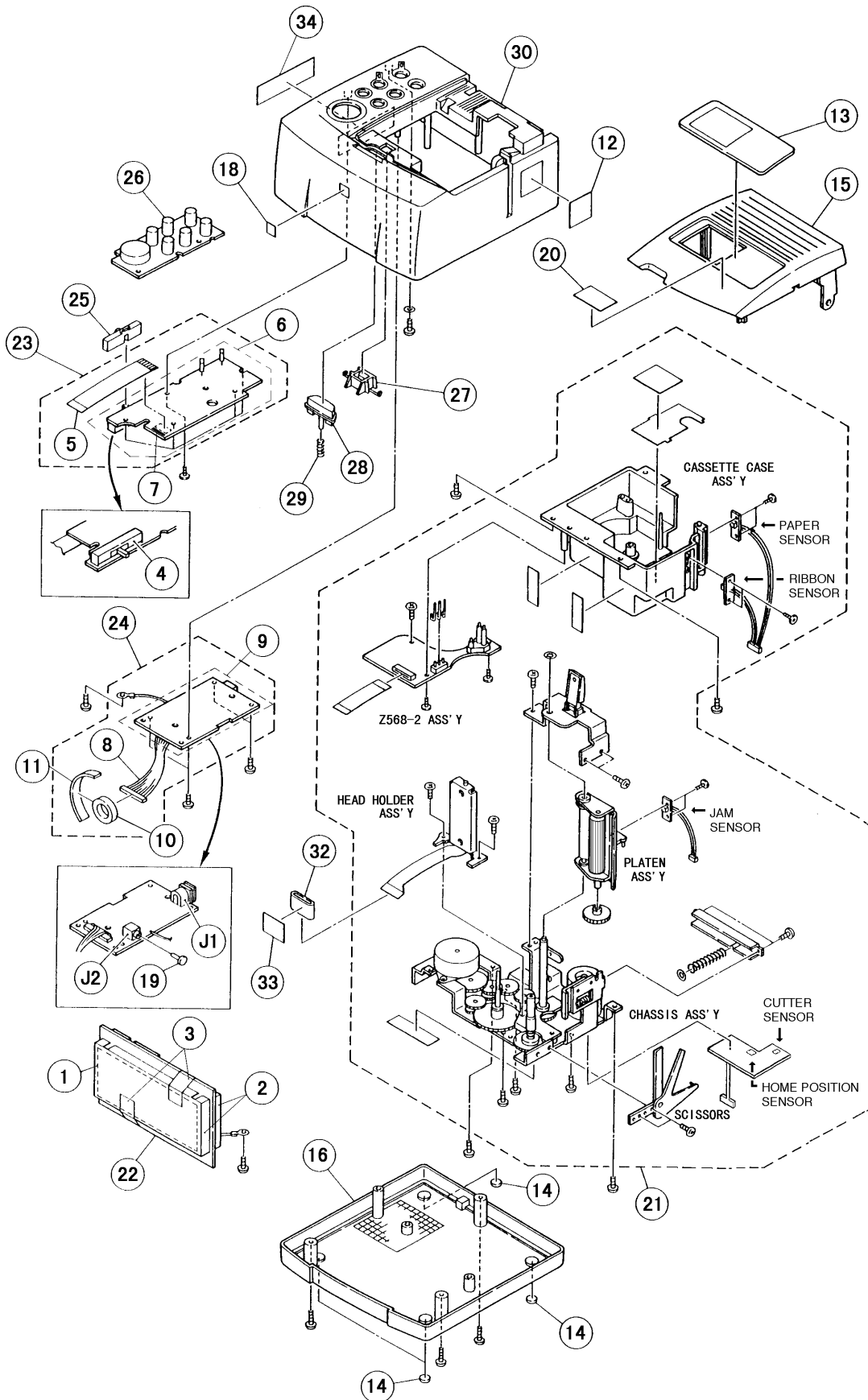
N	Item	Code No.	Parts Name	Specification	Version	Q	R	
	R1		Chip resistor	MCR10EZHJ123	QG-100 Common	1		
	R2,12		Chip resistor	MCR10EZHJ103	QG-100 Common	2		
	R3,20		Chip resistor	MCR18EZHJ0R56	QG-100 Common	2		
	R4		Chip resistor	MCR10EZHJ3601	QG-100 Common	1		
	R6		Chip resistor	MCR10EZHJ1201	QG-100 Common	1		
	R8		Chip resistor	MCR10EZHJ473	QG-100 Common	1		
	R9		Chip resistor	MCR10EZHJ182	QG-100 Common	1		
	R10		Chip resistor	MCR10EZHJ471	QG-100 Common	1		
COMPONENT								
N	12	6417 7730	Label B-Z568AAL	A441531-5	QG-100 Common	1	X	
N	13	6417 7640	Display plate Z568	A341126-1	QG-100 Common	1	B	
N	14	6417 7690	Rubber foot Z568	A441774-1	QG-100 Common	4	X	
N	15	6417 7600	CST. cover Z568	A140441-1	QG-100 Common	1	C	
N	16	6417 7611	Lower case Z568AAJ	A240628A-1	QG-100 Common (made in JAPAN)	1	X	
N	17	6418 7120	Lower case Z568AEJ	A240628-2	QG-100 Common (made in MALAYSIA)	1	X	
	18	6609 7440	Badge A-K720	K440063-1	QG-100 Common	1	C	
	19	6390 0432	Cap V332	A310765B-1	QG-100 Common	1	B	
N	20	6417 7720	Color label Z568	A441960-1	QG-100 Common	1	X	
N	21	6418 6870	Printer unit	A140489E*2	QG-100 Common	1	C	
N	22	6418 6880	Z568-1 ass'y	A140444D*1	QG-100 Common	1	B	
N	23	6418 7050	Z568-E4 unit	A341191*1	QG-100 Common	1	C	
N	24	6418 6890	Z568-S1 unit	A341193B*1	QG-100 Common	1	C	
N	25	6417 7650	Knob Z568	A341155-1	QG-100 Common	1	C	
N	26	6417 7590	Rubber key Z568	A140435-1	QG-100 Common	1	C	
N	27	6417 7630	Push lever Z568	A341125-1	QG-100 Common	1	C	
N	28	6417 7620	Push button Z568	A240654-1	QG-100 Common	1	C	
	29	6410 2960	Push button spring L278	A414847-1	QG-100 Common	1	C	
N	30	6417 7581	Upper case Z568	A140424-1	QG-100 Common	1	X	
N	31	6418 6850	Upper case ass'y	A140450A*2	QG-100 Common	1	X	
	32	3035 0427	Ferrite core	HF70SH18.8*1.1*15	QG-100 Common	1	X	
N	33	6418 1040	Adhesive tape D-Z568	A442017-1	QG-100 Common	1	X	
N	34	6418 8370	Label E-Z568AAL	A442228-2	QG-100 Common	1	X	
OTHERS								
N	35	1014 9228	Adapter	AD-2012-J	INPUT: AC100V~120V for U.S.A. and others	1	B	
N	36	1014 9235	Adapter	AD-2012-G	INPUT: AC220V~240V for Europe and others	1	B	
N	37	1014 9242	Adapter	AD-2012-E	INPUT: AC230V for U.K.	1	B	
N	38	3719 5159	Communication cable	04W0797-40-F	QG-100 Common	1	C	
			Parts prices will be informed separately by Parts Price List.					

Notes: N – New parts
Q – Quantity used per unit
R – Rank

R – A: Essential
B: Stock recommended
C: Others
X: No stock recommended

11. EXPLODED VIEW & DISASSEMBLY VIEW

11-1. EXPLODED VIEW (Z568-1 ASS'Y & COMPONENTS)



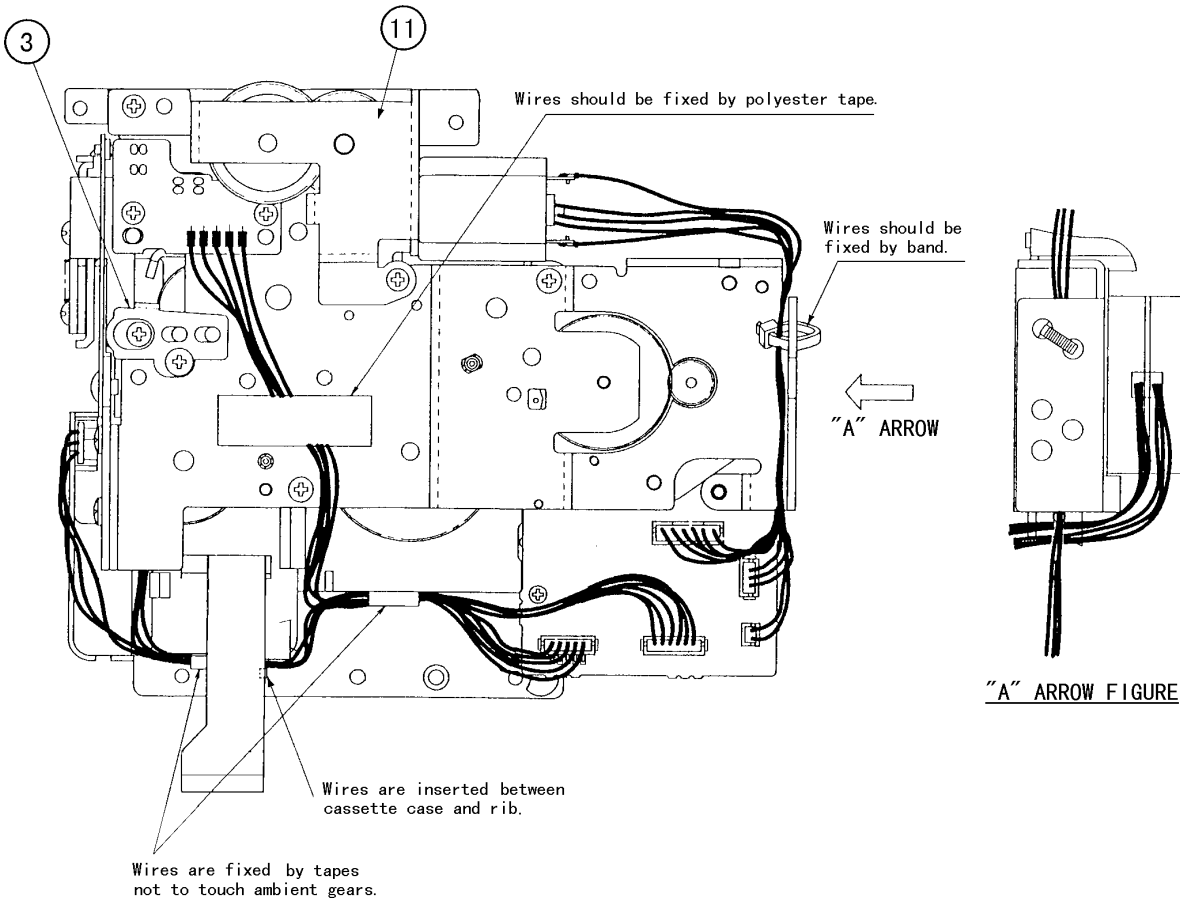
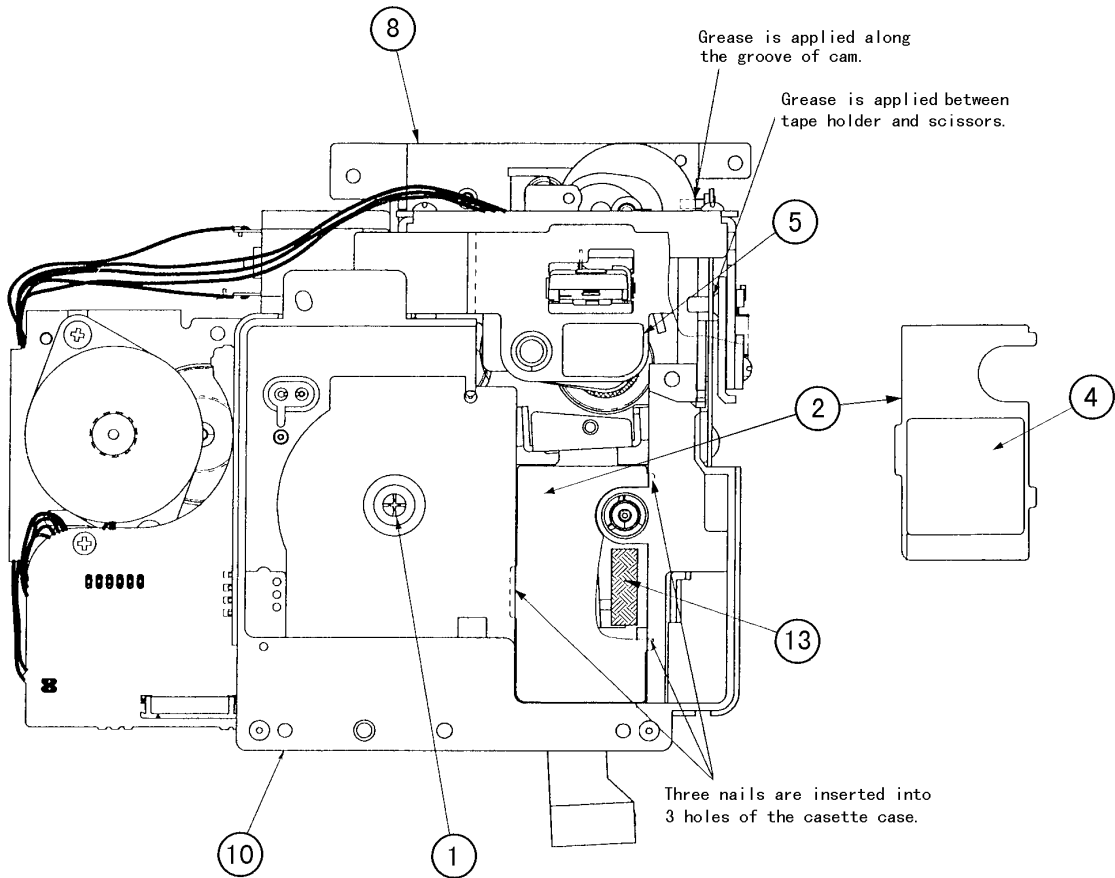
PARTS LIST 10-2: PRINTER UNIT

N	Item	Code No.	Parts Name	Specification	Version	Q	R
PRINTER UNIT							
N	1	6417 7660	Return reel Z568	A341158-1	QG-100 Common	1	X
N	2	6417 7701	Plate Z568	A441828A-1	QG-100 Common	1	X
N	3	6417 7680	LV. adjuster Z568	A441724-1	QG-100 Common	1	X
N	4	6417 8010	Label C-Z568	A441531-3	QG-100 Common	1	X
N	5	6417 8411	Label D-Z568AAL	A441873A-2	QG-100 Common	1	X
N	6	6417 8400	P. Spring Z568	A441872-1	QG-100 Common	1	X
N	7	6418 2240	PSP. washer Z568	A442123-1	QG-100 Common	1	X
N	8	6418 6900	Chassis unit	A140451B*1	QG-100 Common	1	C
N	9	6417 7480	SP.ST. sub ass'y	A341208*1	QG-100 Common	1	C
N	10	6418 6910	Cassette case ass'y	A240673*1	QG-100 Common	1	C
N	11	6418 6920	Motor chassis ass'y	A341196*1	QG-100 Common	1	C
N	12	6417 7201	Scissors sub ass'y	A341068A*1	QG-100 Common	1	C
N	13	6418 1030	Adhesive tape C-Z568	A442016-1	QG-100 Common	1	X
Parts prices will be informed separately by Parts Price List.							

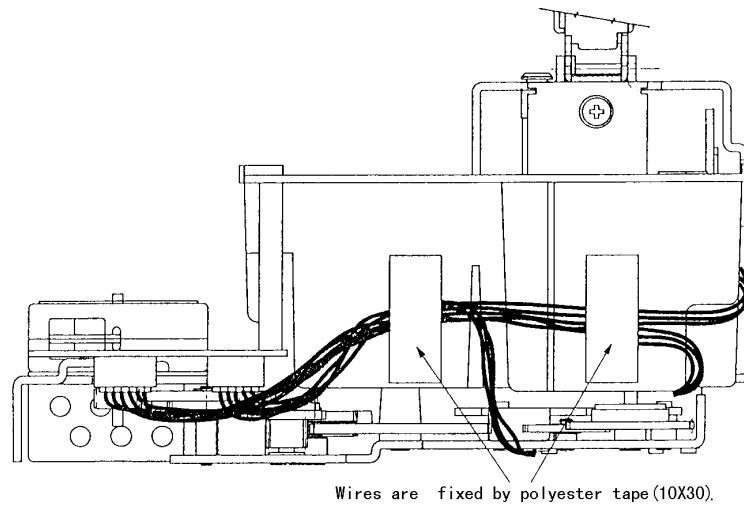
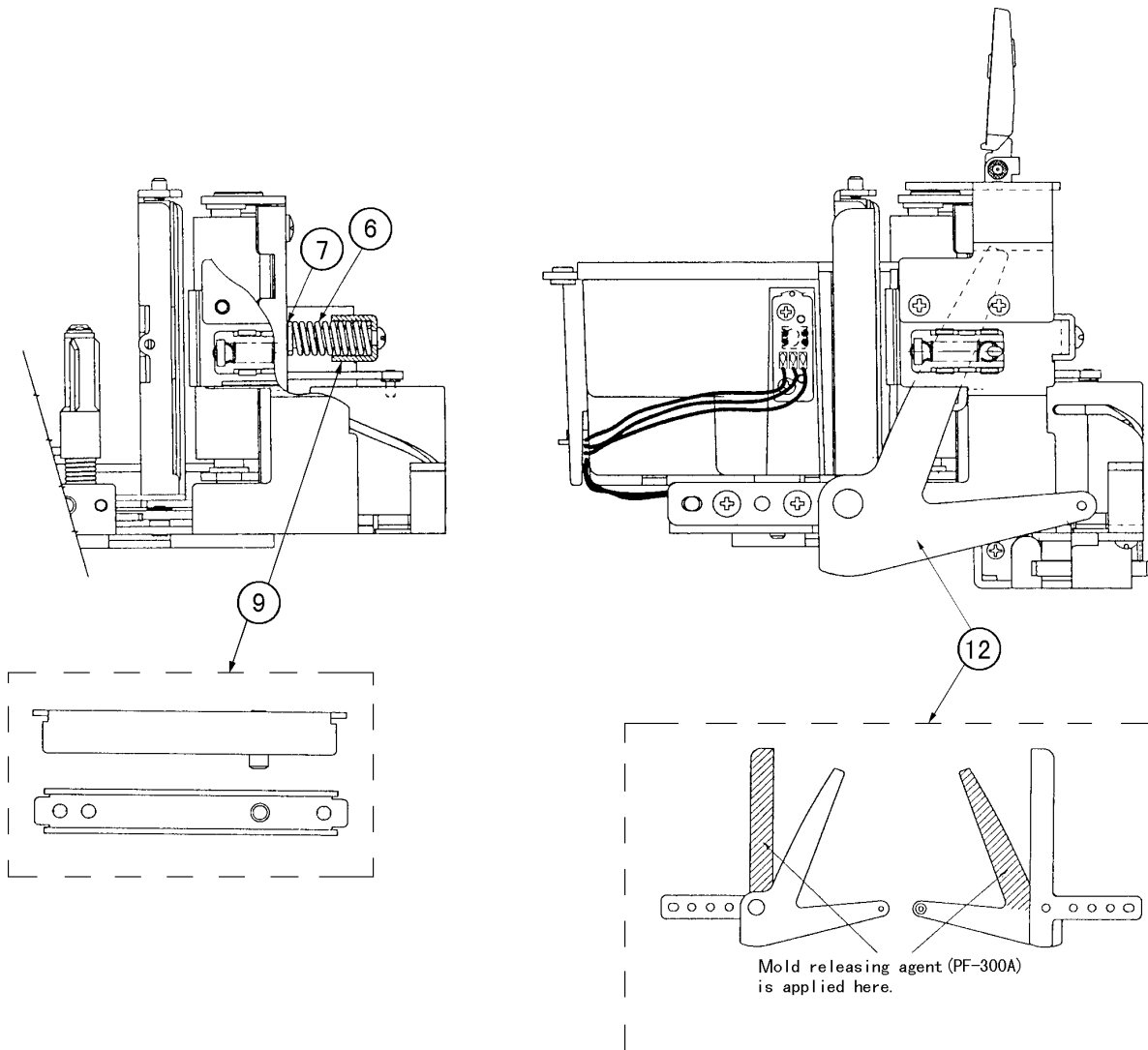
Notes: N – New parts
 Q – Quantity used per unit
 R – Rank

R – A: Essential
 B: Stock recommended
 C: Others
 X: No stock recommended

11-2. DISASSEMBLY VIEW (PRINTER UNIT (1/2))



DISASSEMBLY VIEW (PRINTER UNIT (2/2))



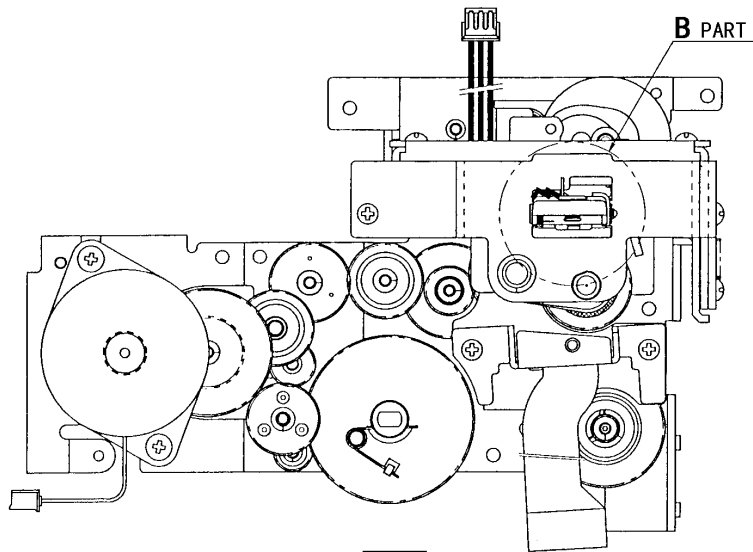
PARTS LIST 10-3: CHASSIS UNIT

N	Item	Code No.	Parts Name	Specification	Version	Q	R
CHASSIS UNIT							
N	1	6417 8260	Gear E-Z568	A441767-1	QG-100 Common	1	X
N	2	6417 8240	HS. shaft Z568	A441756-1	QG-100 Common	1	X
N	3	6417 7990	Head plate Z568	A341230-1	QG-100 Common	1	X
N	4	6417 7790	Tape holder Z568	A240692-1	QG-100 Common	1	X
N	5	6417 8091	H. stopper B-Z568	A441685A-1	QG-100 Common	1	X
N	6	6417 8000	Cut washer A-Z568	A412353-7	QG-100 Common	1	X
N	7	6417 7871	Upper chassis Z568	A341092A-1	QG-100 Common	1	X
N	8	6417 8330	Platen spacer Z568	A441783-1	QG-100 Common	1	X
	9	6400 9740	Cut washer A-L240	A412353-1	QG-100 Common	1	X
	10	6410 7120	Spring T-L263	C413536-1	QG-100 Common	1	X
N	11	6417 7890	Gear D-Z568	A341105-1	QG-100 Common	1	X
N	12	6417 7970	HS. cover Z568	A341209-1	QG-100 Common	1	X
N	13	6417 8420	HS. spring Z568	A441874-1	QG-100 Common	1	X
N	14	6418 6940	Chassis ass'y	A140410A*1	QG-100 Common	1	C
N	15	6418 6950	Head holder ass'y	A240623A*1	QG-100 Common	1	B
N	16	6418 6960	Platen ass'y	A240624A*1	QG-100 Common	1	C
Parts prices will be informed separately by Parts Price List.							

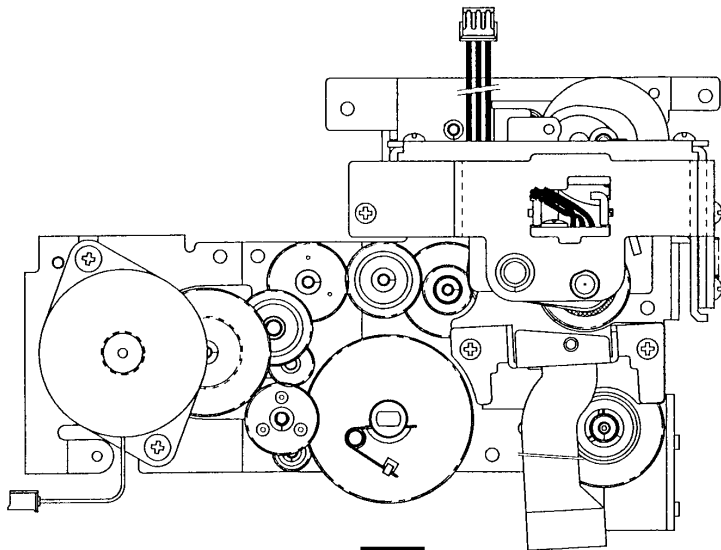
Notes: N – New parts
 Q – Quantity used per unit
 R – Rank

R – A: Essential
 B: Stock recommended
 C: Others
 X: No stock recommended

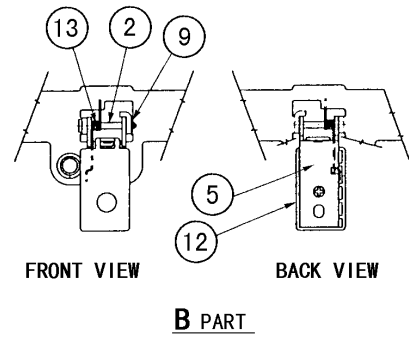
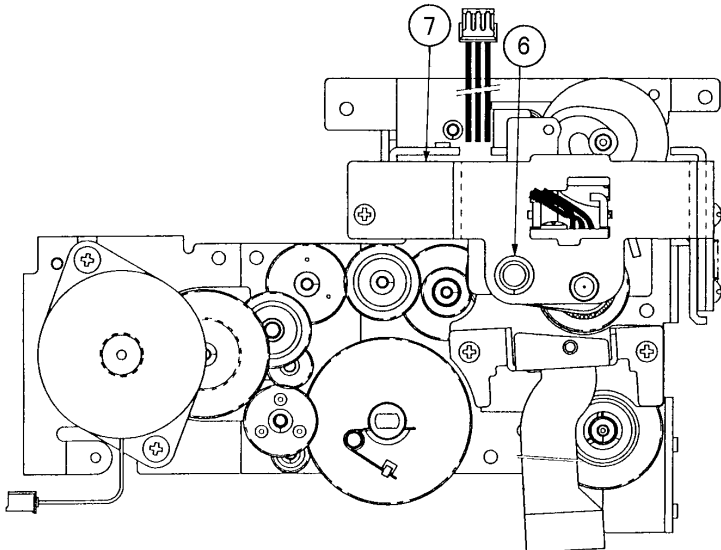
11-3. DISASSEMBLY VIEW (CHASSIS UNIT (1/2))



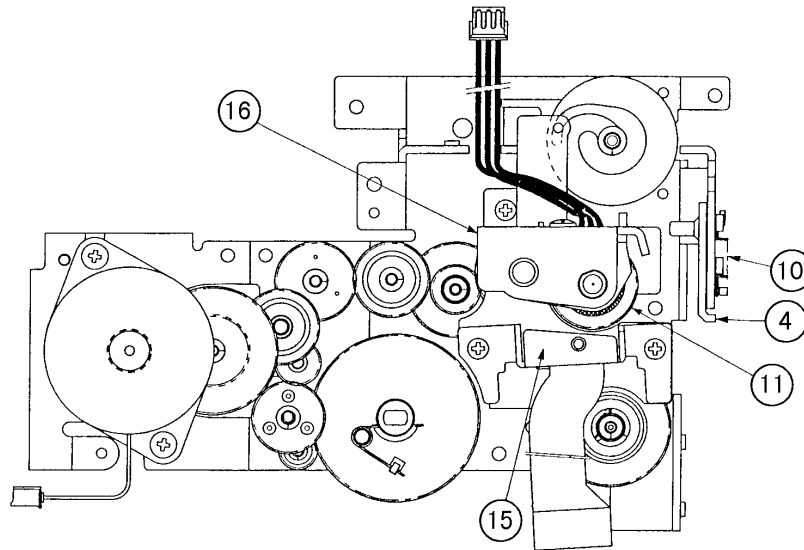
DISASSEMBLE



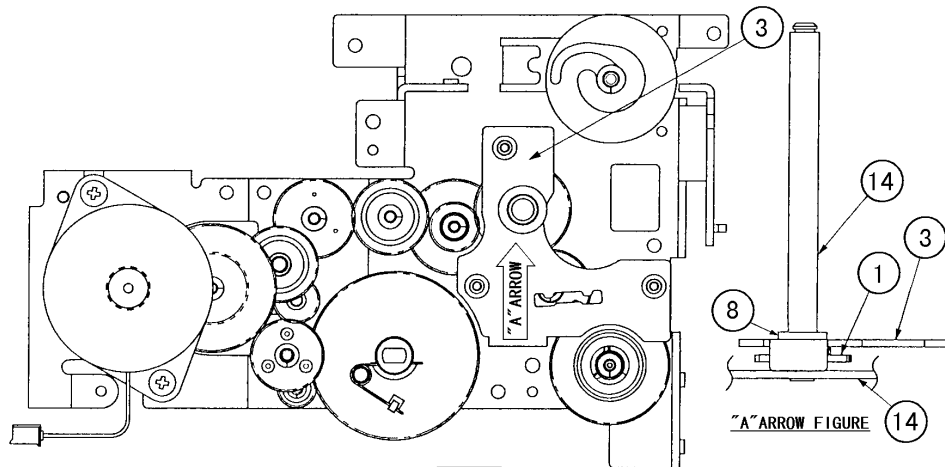
DISASSEMBLE



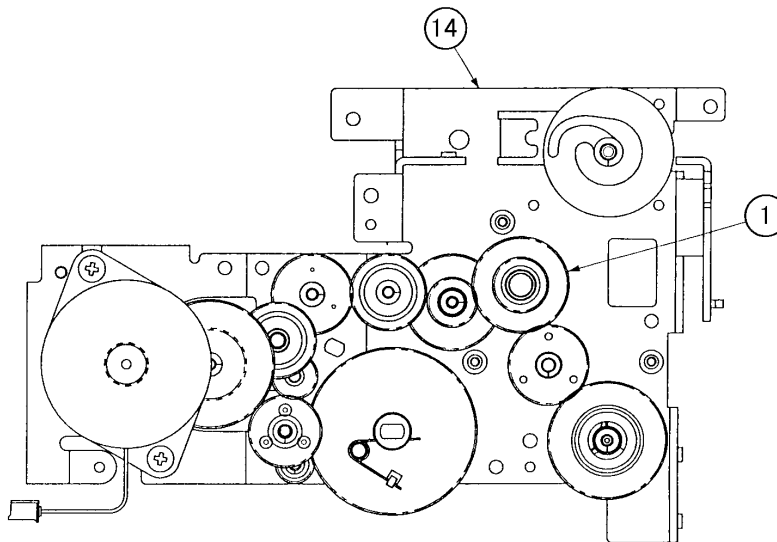
DISASSEMBLY VIEW (CHASSIS UNIT (2/2))



DISASSEMBLE



DISASSEMBLE



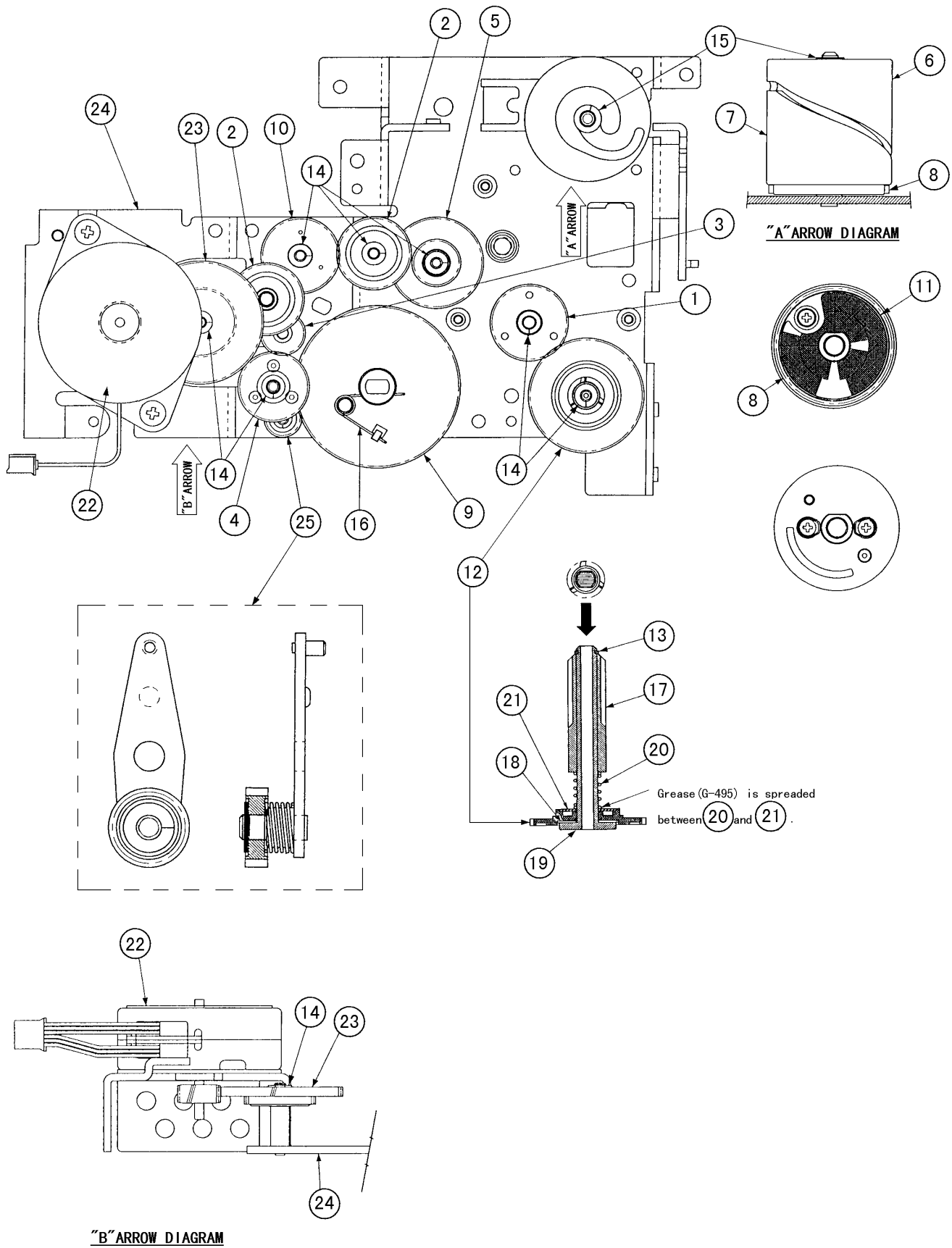
PARTS LIST 10-4: CHASSIS ASS'Y

N	Item	Code No.	Parts Name	Specification	Version	Q	R
CHASSIS ASS'Y							
	1	6415 5340	Gear F-Z561	A440606-1	QG-100 Common	1	X
N	2	6417 8060	Gear A-Z568	A441682-1	QG-100 Common	2	X
N	3	6417 8070	Gear B-Z568	A441683-1	QG-100 Common	1	X
N	4	6417 8080	Gear C-Z568	A441684-1	QG-100 Common	1	X
N	5	6417 8390	Gear F-Z568	A441862-1	QG-100 Common	1	X
N	6	6417 7800	Upper cam Z568	A240693-1	QG-100 Common	1	X
N	7	6417 7810	Lower cam Z568	A240694-1	QG-100 Common	1	X
N	8	6417 7930	Scissors gear C-Z568	A341144-1	QG-100 Common	1	X
N	9	6417 7850	Return gear Z568	A341073-1	QG-100 Common	1	X
N	10	6417 7880	Clutch gear Z568	A341099-1	QG-100 Common	1	X
N	11	6417 8370	Sensor label Z568	A441802-1	QG-100 Common	1	X
N	12	6417 7980	Gear G-Z568	A341227-1	QG-100 Common	1	X
N	13	6416 7540	Cut washer Z561	A441520-1	QG-100 Common	1	X
	14	6400 9750	Cut washer B-L240	A412353-2	QG-100 Common	7	X
	15	6405 2550	Cut washer D-L240	A412353-4	QG-100 Common	1	X
	16	6415 5370	Brake spring Z561	A440615-1	QG-100 Common	1	X
	17	6415 5230	Winder top Z561	A340675-1	QG-100 Common	1	X
N	18	6416 5900	Clutch felt B-Z592	A441415-1	QG-100 Common	1	X
	19	6415 5140	Clutch plate Z561	A340400-1	QG-100 Common	1	X
N	20	6417 8490	Clutch spring Z568	A441949-1	QG-100 Common	1	X
	21	6400 9720	Spring washer L240	A412351-1	QG-100 Common	1	X
	22	3222 0154	Stepping motor	SMB35-4857-A	QG-100 Common	1	C
	23	6415 5180	Gear A-Z561	A340412-1	QG-100 Common	1	X
N	24	6417 7330	Chassis sub ass'y	A240605*1	QG-100 Common	1	C
N	25	6418 7110	Gear arm ass'y	A441690*1	QG-100 Common	1	C
N	26	6418 6980	Z568-S2 ass'y	A341187B*1	QG-100 Common	1	C
Z568-S2 ASS'Y							
N	27	6417 7520	Wire sub ass'y B	A441808*1	QG-100 Common	1	X
N	28	3122 3381	Photosensitive device	ON2170-R(LF)	QG-100 Common	2	C
Parts prices will be informed separately by Parts Price List.							

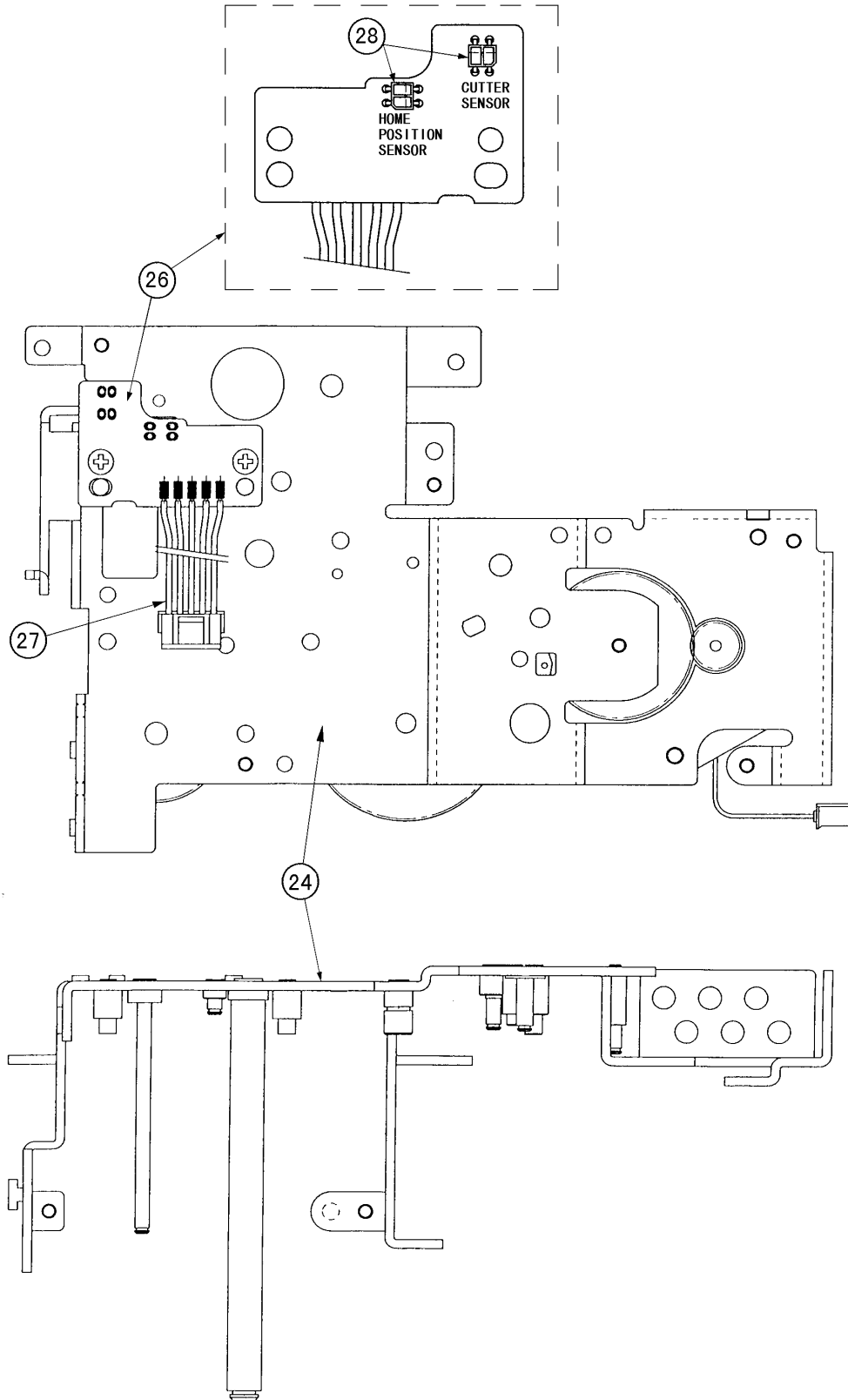
Notes: N – New parts
 Q – Quantity used per unit
 R – Rank

R – A: Essential
 B: Stock recommended
 C: Others
 X: No stock recommended

11-4. DISASSEMBLY VIEW (CHASSIS ASS'Y (1/2))



DISASSEMBLY VIEW (CHASSIS ASS'Y (2/2))



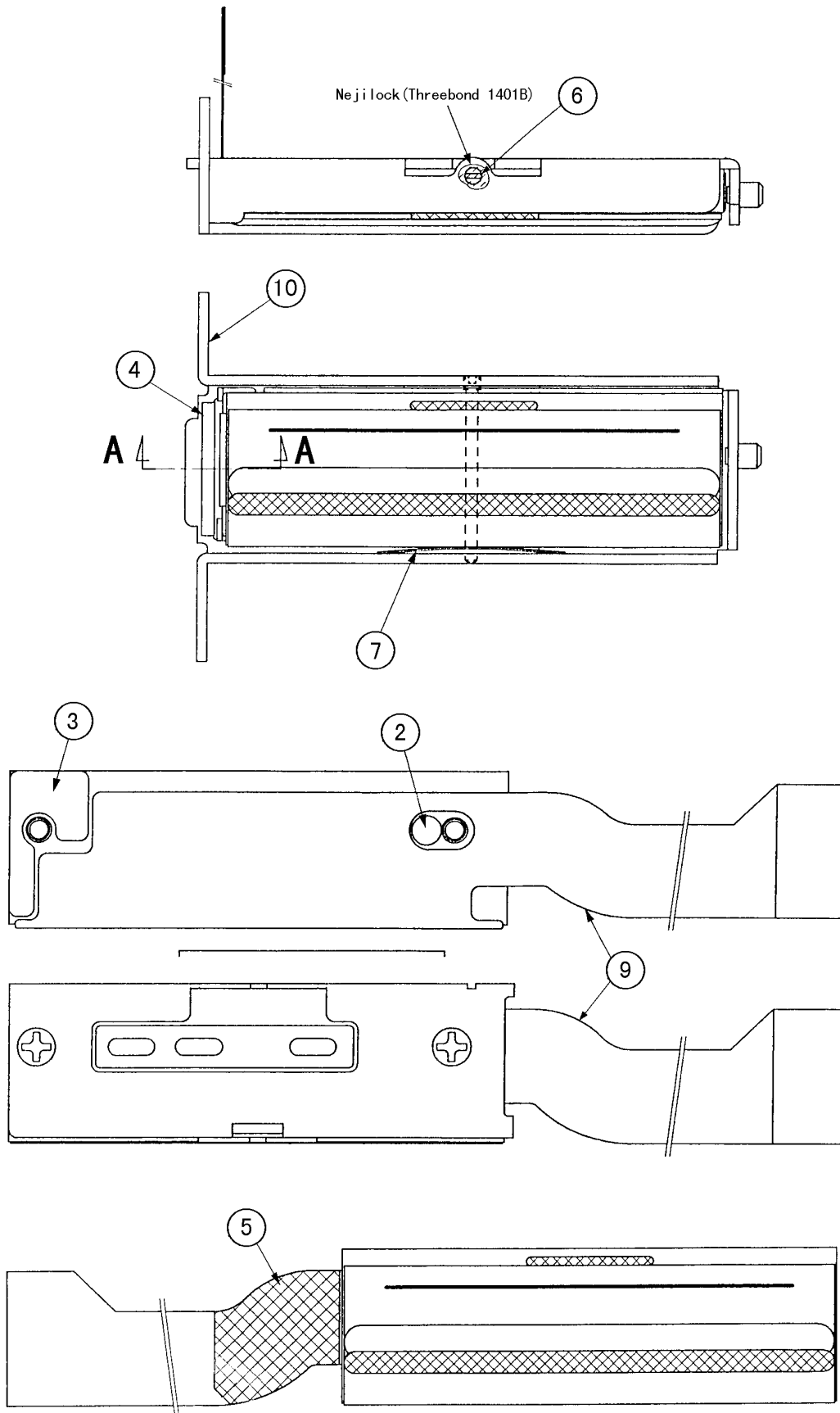
PARTS LIST 10-5: HEAD HOLDER ASS'Y

N	Item	Code No.	Parts Name	Specification	Version	Q	R
HEAD HOLDER ASS'Y							
N	1	6417 8310	Tape A-Z568	A441779-1	QG-100 Common	1	X
N	2	6417 8450	Tape B-Z568	A441887-1	QG-100 Common	1	X
N	3	6417 8460	Tape C-Z568	A441888-1	QG-100 Common	1	X
N	4	6417 8480	Tape D-Z568	A441936-1	QG-100 Common	1	X
N	5	6417 8500	Tape E-Z568	A441967-1	QG-100 Common	1	X
N	6	6417 8290	Head shaft Z568	A441777-1	QG-100 Common	1	X
N	7	6417 8300	Head spring Z568	A441778-1	QG-100 Common	1	X
N	8	6417 7910	Head holder A-Z568	A341127-1	QG-100 Common	1	X
		2114 4543	Thermal head	KPT-48-8MPF2-CA	QG-100 Common	1	B
N	10	6417 7410	Head holder sub ass'y	A341129*1	QG-100 Common	1	X
Parts prices will be informed separately by Parts Price List.							

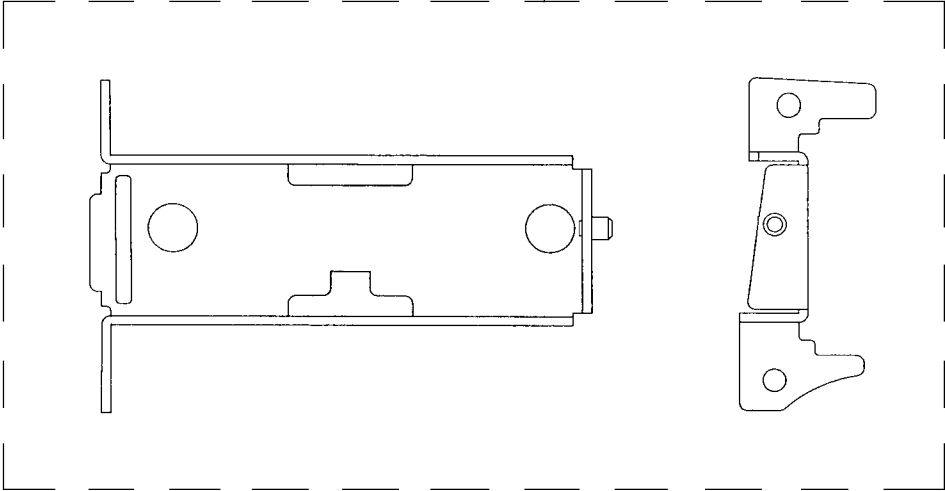
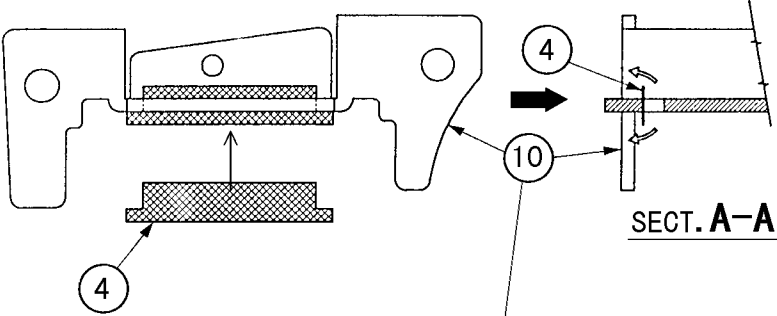
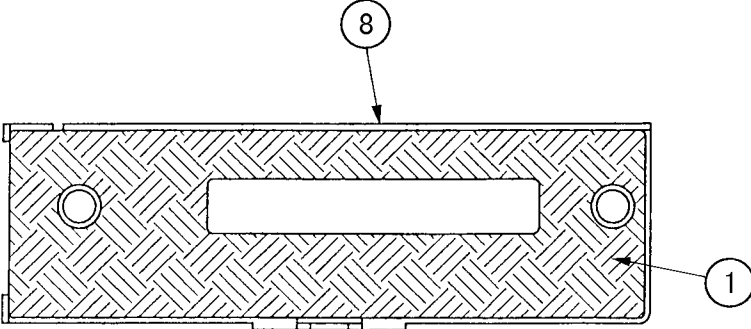
Notes: N – New parts
 Q – Quantity used per unit
 R – Rank

R – A: Essential
 B: Stock recommended
 C: Others
 X: No stock recommended

11-5. DISASSEMBLY VIEW (HEAD HOLDER ASS'Y (1/2))



DISASSEMBLY VIEW (HEAD HOLDER ASS'Y (2/2))



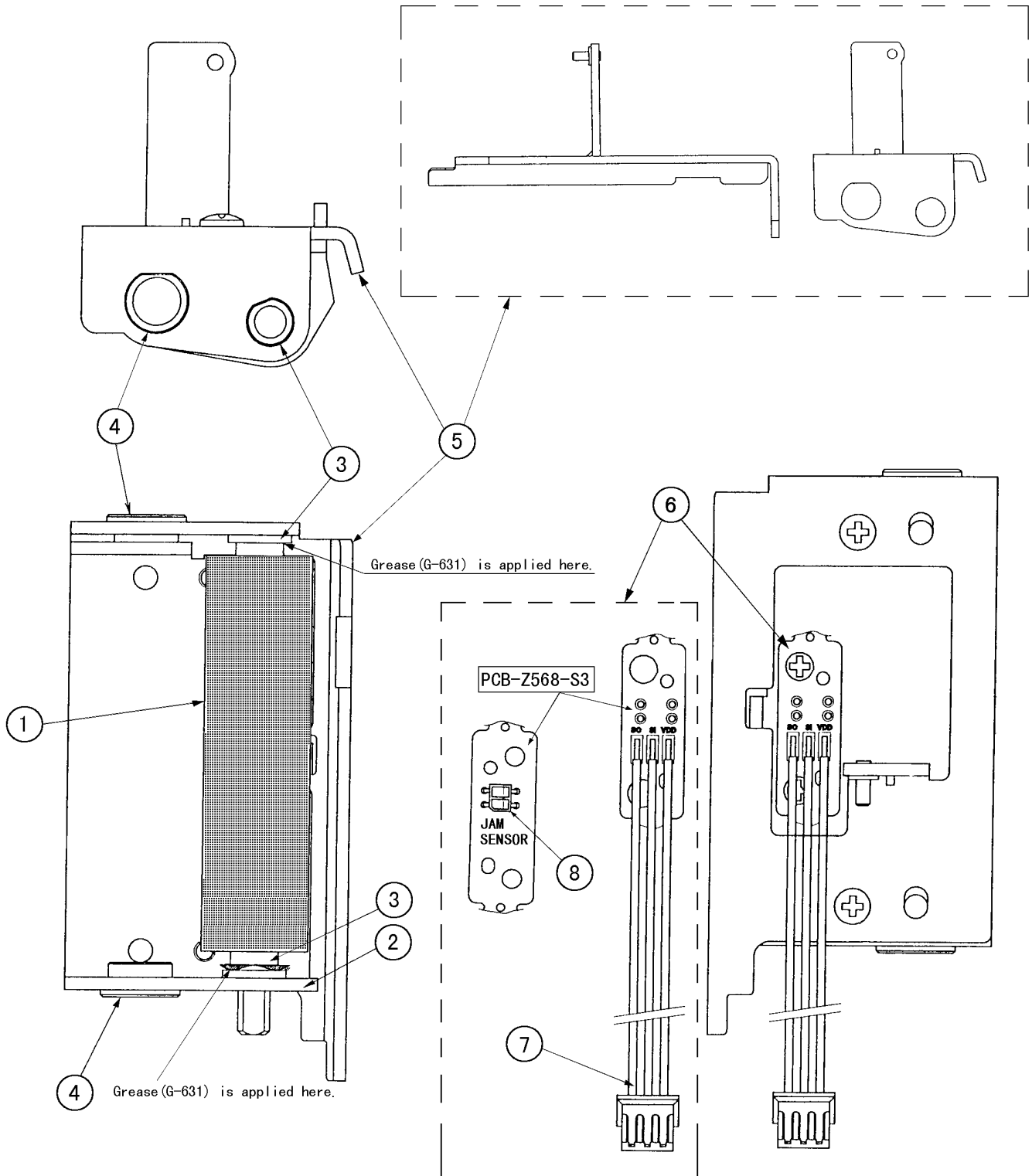
PARTS LIST 10-6: PLATEN ASS'Y

N	Item	Code No.	Parts Name	Specification	Version	Q	R
PLATEN ASS'Y							
N	1	6417 7860	Platen roller Z568	A341090-1	QG-100 Common	1	X
N	2	6417 7901	Roller holder Z568	A341112A-1	QG-100 Common	1	X
N	3	6417 8230	Platen bearing Z568	A441727-1	QG-100 Common	1	X
N	4	6417 8250	Main bearing Z568	A441766-1	QG-100 Common	1	X
N	5	6417 7471	RA. sub ass'y	A341206A*1	QG-100 Common	1	X
N	6	6418 6990	Z568-S4 ass'y	A341192B*1	QG-100 Common	1	C
Z568-S4 ASS'Y							
N	7	6417 7550	Wire sub ass'y E	A441814*1	QG-100 Common	1	X
N	8	3122 3381	Photosensitive device	ON2170-R(LF)	QG-100 Common	1	C
Parts prices will be informed separately by Parts Price List.							

Notes: N – New parts
 Q – Quantity used per unit
 R – Rank

R – A: Essential
 B: Stock recommended
 C: Others
 X: No stock recommended

11-6. DISASSEMBLY VIEW (PLATEN ASS'Y)



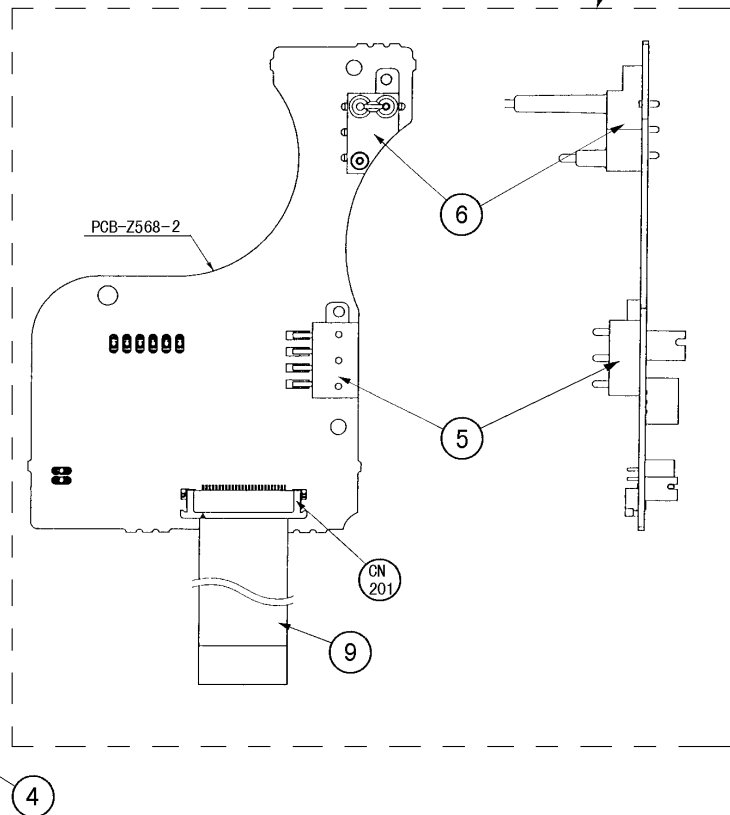
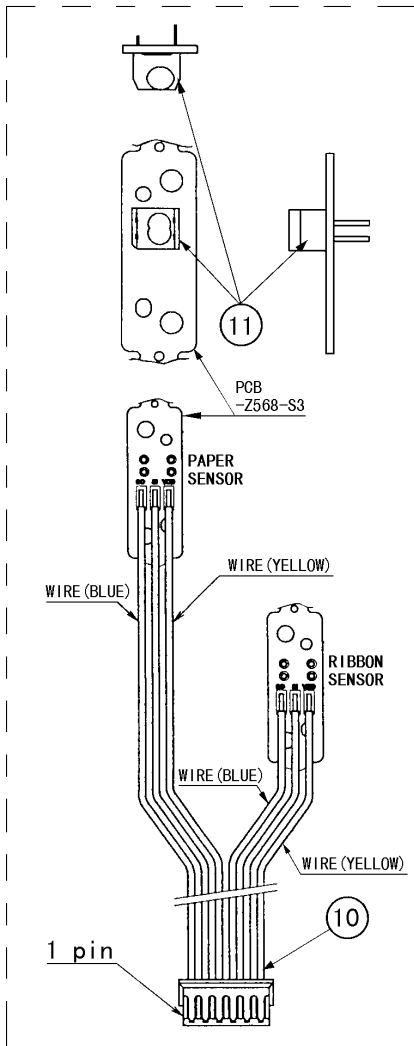
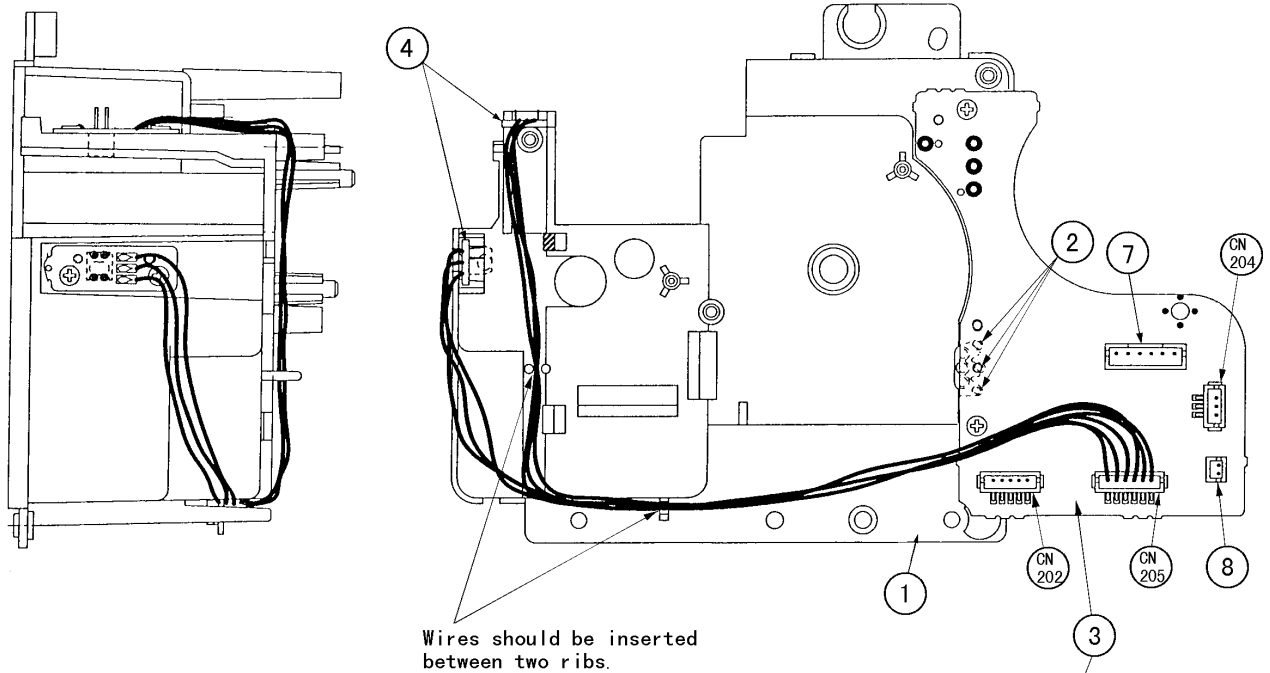
PARTS LIST 10-7: CASSETTE CASE ASS'Y

N	Item	Code No.	Parts Name	Specification	Version	Q	R
CASSETTE CASE ASS'Y							
N	1	6417 7760	Cassette case Z568	A140425-1	QG-100 Common	1	X
	2	6415 5380	Switch key Z561	A440618-1	QG-100 Common	3	C
N	3	6418 7070	Z568-2 ass'y	A240668*1	QG-100 Common	1	C
N	4	6418 6970	Z568-S3 ass'y	A341188A*1	QG-100 Common	1	C
Z568-2 ASS'Y							
N	IC1	2105 4158	Linear IC	TA75S393F-TE85L	QG-100 Common	1	B
N	Q1-4	2259 2324	Digital transistor	2SC4617-TR	QG-100 Common	4	B
	Q7	2251 0609	Chip transistor	2SB1132R-T101	QG-100 Common	1	B
	D4	2390 1372	Chip diode	DA204U-T106	QG-100 Common	1	C
	5	3110 6035	Switch	SW-74	QG-100 Common	1	C
	6	3110 6028	Switch	SW-163	QG-100 Common	1	C
	7	3501 6384	Connector	B6B-PH-K-S	QG-100 Common	1	C
	8	3501 3724	Connector	B2B-ZR	QG-100 Common	1	C
N	CN201	3502 1634	FFC connector	086210026010800	QG-100 Common	1	C
	CN202	3501 7546	Connector	B5B-ZR-SM3-TF	QG-100 Common	1	C
	CN204	3501 9401	Connector	B3B-ZR-SM3-TF	QG-100 Common	1	C
	CN205	3501 7553	Connector	B6B-ZR-SM3-TF	QG-100 Common	1	C
N	9	3725 2800	FFC joiner B-Z568	A441811-1	QG-100 Common	1	C
The following electronic parts will be not supplied by CASIO.							
	C10		Chip capacitor	GRM39B102K50PT	QG-100 Common	1	
	C12		Chip capacitor	GRM39F104Z25PT	QG-100 Common	1	
	C13,14		Chip capacitor	GRM40F105Z16PT	QG-100 Common	2	
	R1,5,6,12,23		Chip resistor	MCR03EZHJ473	QG-100 Common	5	
	R2		Chip resistor	MCR03EZHJ333	QG-100 Common	1	
	R3,9,10,13,14		Chip resistor	MCR03EZHJ391	QG-100 Common	5	
	R7		Resistor	ERG-2SJ180	QG-100 Common	1	
	R8,18		Chip resistor	MCR03EZHF9101	QG-100 Common	2	
	R11		Chip resistor	MCR03EZHJ183	QG-100 Common	1	
	R15		Chip resistor	MCR03EZHJ104	QG-100 Common	1	
	R20,21		Chip resistor	MCR03EZHJ105	QG-100 Common	2	
	R22		Chip resistor	MCR03EZHJ182	QG-100 Common	1	
	R30		Chip resistor	MCR03EZHJ106	QG-100 Common	1	
Z568-S3 ASS'Y							
N	10	6417 7530	Wire sub ass'y C	A441809*1	QG-100 Common	1	X
	11	3122 3199	Photosensitive device	ON2171.CS	QG-100 Common	2	C
Parts prices will be informed separately by Parts Price List.							

Notes: N – New parts
 Q – Quantity used per unit
 R – Rank

R – A: Essential
 B: Stock recommended
 C: Others
 X: No stock recommended

11-7. DISASSEMBLY VIEW (CASSETTE CASE ASS'Y)



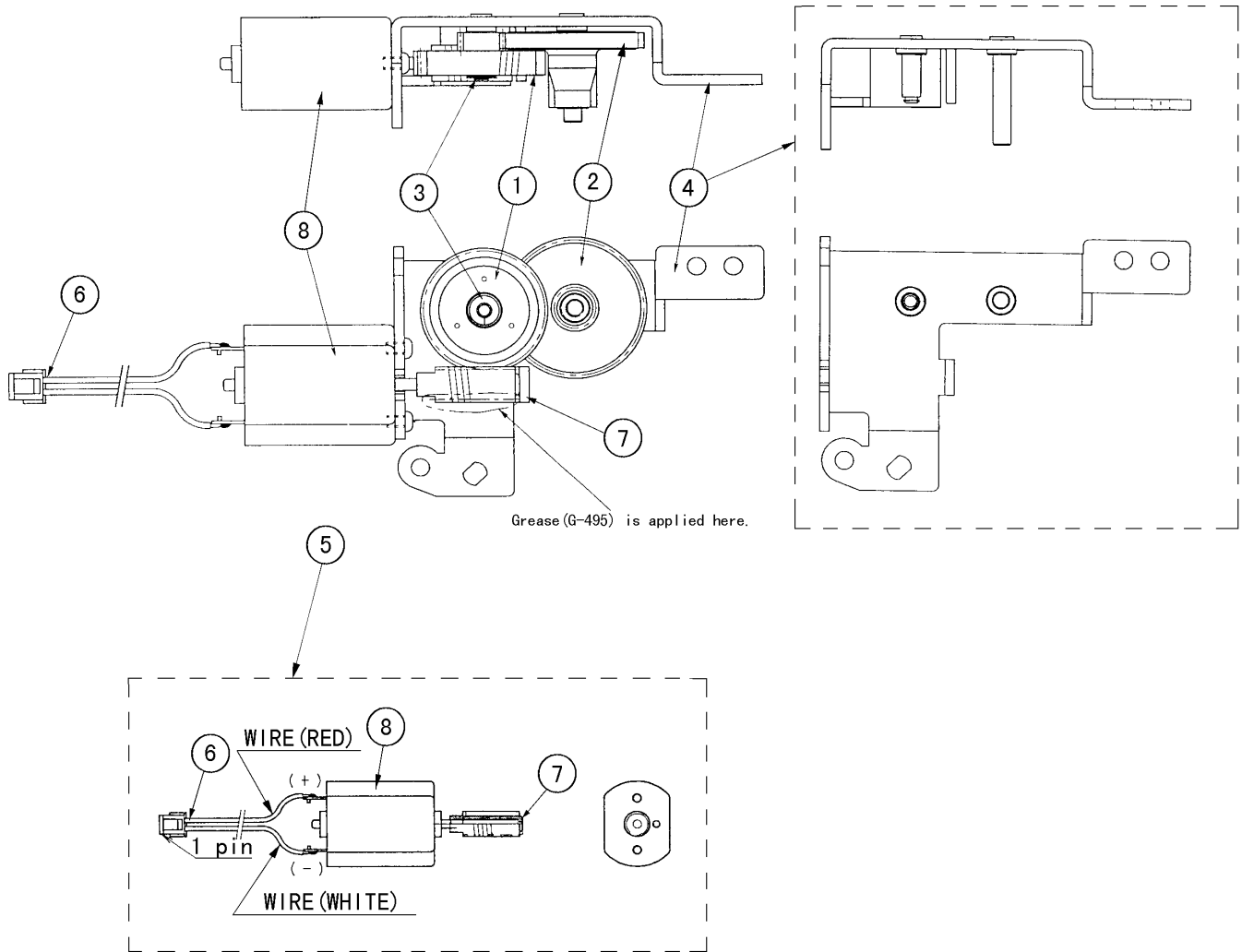
PARTS LIST 10-8: MOTOR CHASSIS ASS'Y

N	Item	Code No.	Parts Name	Specification	Version	Q	R
MOTOR CHASSIS ASS'Y							
N	1	6417 8040	Scissors gear A-Z568	A441680-1	QG-100 Common	1	X
N	2	6417 8200	Scissors gear B-Z568	A441698-1	QG-100 Common	1	X
	3	6400 9750	Cut washer B-L240	A412353-2	QG-100 Common	1	X
N	4	6417 7400	M. chassis sub ass'y	A341070*1	QG-100 Common	1	X
N	5	6418 7090	Motor ass'y	A441848A*1	QG-100 Common	1	C
MOTOR ASS'Y							
N	6	6417 7540	Wire sub ass'y D	A441812*1	QG-100 Common	1	X
N	7	6417 8030	Worm gear Z568	A441679-1	QG-100 Common	1	X
N	8	3222 0175	DC motor	NF183G	QG-100 Common	1	C
Parts prices will be informed separately by Parts Price List.							

Notes: N – New parts
 Q – Quantity used per unit
 R – Rank

R – A: Essential
 B: Stock recommended
 C: Others
 X: No stock recommended

11-8. DISASSEMBLY ASS'Y (MOTOR CHASSIS ASS'Y)



MEMO

CASIO COMPUTER CO.,LTD.
Service Division

8-11-10, Nishi-Shinjuku
Shinjuku-ku, Tokyo 160, Japan
Telephone: 03-3347-4926