

SERVICE MANUAL & PARTS LIST (without price)

PC LABEL PRINTER **KL-P1000** (ZX-126B)

AUG. 2000



KL-P1000

CASIO®

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1. SPECIFICATIONS

Printing:

System:	Thermal transfer
Width:	4 mm with 6 mm wide tape; 7.5 mm with 9, 12, or 18 mm wide tape
Speed:	Approximately 6.76 mm/second

Others:

Power Consumption:	9 W
Dimensions:	110 × 104 × 48.5 mm (4 ⁵ / ₁₆ × 4 ¹ / ₈ × 1 ¹⁵ / ₁₆ inch) (printer only) 185 × 292 × 48.5 mm (7 ⁵ / ₁₆ × 11 ¹ / ₂ × 1 ¹⁵ / ₁₆ inch) (affixed to mouse pad)
Weight:	Approximately 445 g (including mouse pad set)
Operating Temperature:	10 °C to 35 °C (50 °F to 95 °F)
Included Accessories:	AC Adaptor (AD-A95100 (220-240 V) or AD-A70110 (120V)); USB Cable; Mouse Pad; Tape Cartridge; Label Printer Application FA-950 (on CD-ROM)

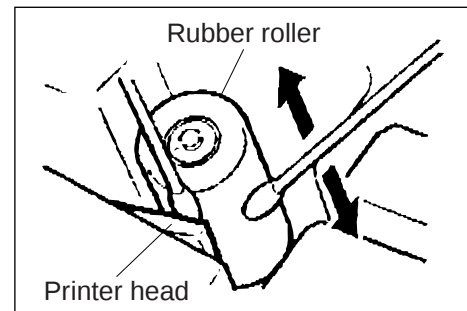
2. CLEANING THE PRINTER HEAD AND ROLLER

Correcting for Poor Print Quality

Poor print quality usually means that you need to clean the printer head and rubber roller. You can use alcohol to clean the printer head and rubber roller.

To use alcohol for cleaning

1. Slide the tape compartment cover release to the left and open the cover.
2. Remove the tape cartridge from the Printer.
3. Use a cotton swab moistened with alcohol to lightly wipe the printer head and rubber roller as shown in the illustration.
 - Wipe the entire surface of the rubber roller.
 - You can also purchase a commercially available head cleaner kit that contains everything you need to clean the printer head and roller.



3. MINIMUM SYSTEM REQUIREMENTS

For the label printer application FA-950, the following system is required.

- Computer:** IBM PC/AT or compatible pre-installed with Windows® 98, 98SE, or 2000 Professional, and equipped with a USB port.
- CPU:** Pentium® 75 MHz or higher.
- Memory:** At least 32 MB of RAM.
 - More memory may be required for other applications you are using.
- Hard Disk:** At least 15 MB of available space.
Installation of Acrobat Reader requires additional hard disk space of at least 15 MB.
 - More hard disk space may be required for other applications you are using.
- CD-ROM Drive:** For installation.
- Monitor:** Windows® 98, 98SE, or 2000 Professional compatible display with at least 640 × 480 resolution, 256 colors.
- Input Device:** Keyboard and mouse (or other equivalent input device).
- Other:** Required system configuration for running the version of Windows® you are using.
 - This application may not run properly under certain configurations.
 - Operation under Windows® 3.1, 95, and NT is not supported.
 - Operation on a system that has been upgraded to Windows® 98 or 2000 Professional from another version operating system is not guaranteed.

- Microsoft® and Windows® are either registered trademarks or trademarks of Microsoft Corporation in the United States and/of other countries.
- Pentium is a trademark of Intel Corporation in the United States.
- IBM PC/AT is a registered trademark of International Business Machines Corporation in the United States.
- Acrobat Reader is a registered trademark of Adobe Systems Incorporated in the United States.

4. DIAGNOSTIC PROGRAM

■ Necessary equipments

- USB Cable
- AC Adaptor for KL-P1000
- Appropriate tape cartridge
- Personal computer with USB port and Windows98 is necessary to execute the diagnostic program.

■ How to install the diagnostic program

- Create ZX126DIAGNOSTIC folder on drive C.
- Save the below files into the destination. (Files are in Casio Service Disk (CD-ROM).)

klmpad.sys, klmpad.inf, ZX126FP.exe, klmpad.dll

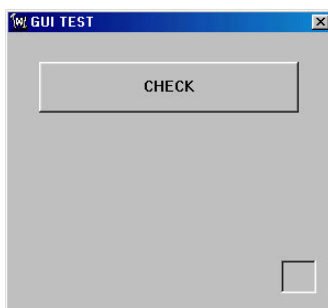
- | | |
|-----------------|--|
| (1) klmpad.sys | C:\Windows\SYSTEM32\DRIVERS\klmpad.sys |
| (2) klmpad.inf | C:\Windows\INF\klmpad.inf |
| (3) ZX126FP.exe | C:\ZX126DIAGNOSTIC\ZX126FP.exe |
| (4) klmpad.dll | C:\ZX126DIAGNOSTIC\klmpad.dll |

■ Check items

- (1) ROM
- (2) RAM
- (3) LED
- (4) Printer character
- (5) Motor
- (6) AC adaptor

■ How to make diagnosis

- (1) Connect KL-P1000 to PC with USB CABLE.
- (2) Connect AC adaptor to PC (confirming LED lights up).
- (3) Set a tape cartridge.
- (4) Double-click ZX126FP.exe at C:\ZX126DIAGNOSTIC and start the program.



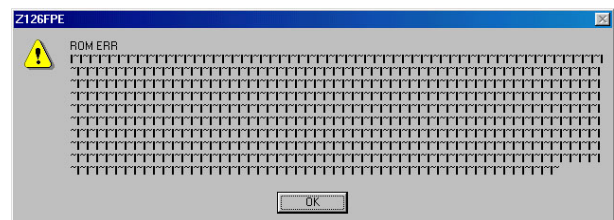
- (5) Press CHECK (Diagnosis begins).

- (6) the Windows below appears accordingly

when in normal



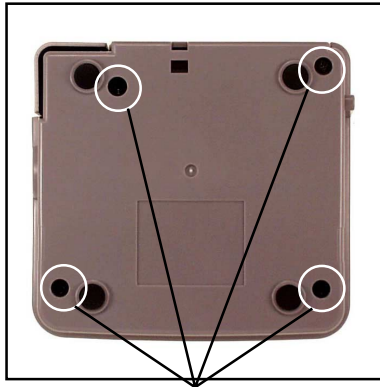
when an error occurs



- (7) Make sure printed letters comes out normally. (the letters are supposed to be upside down.)

5. DISASSEMBLY PROCEDURE

1. Unscrew four screws at the bottom.



Screw

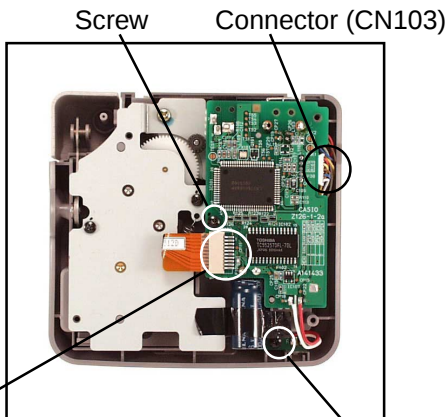
2. PCB disassembly

2-1. Unscrew a screw on LED PCB.

2-2. Remove the connector(CN102).

2-3. Remove the connector(CN103).

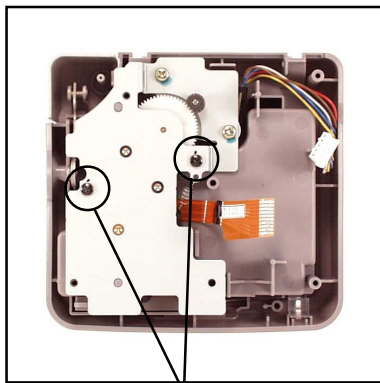
2-4. Unscrew a screw on the main PCB.



Connector (CN102)

Screw

3. Unscrew two screws on the Printer block.

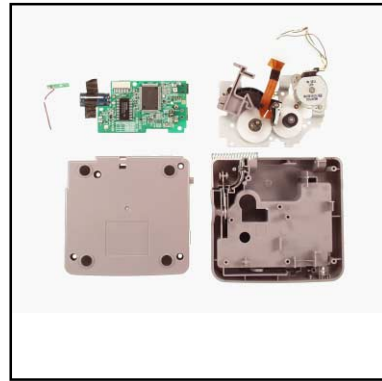


Screws

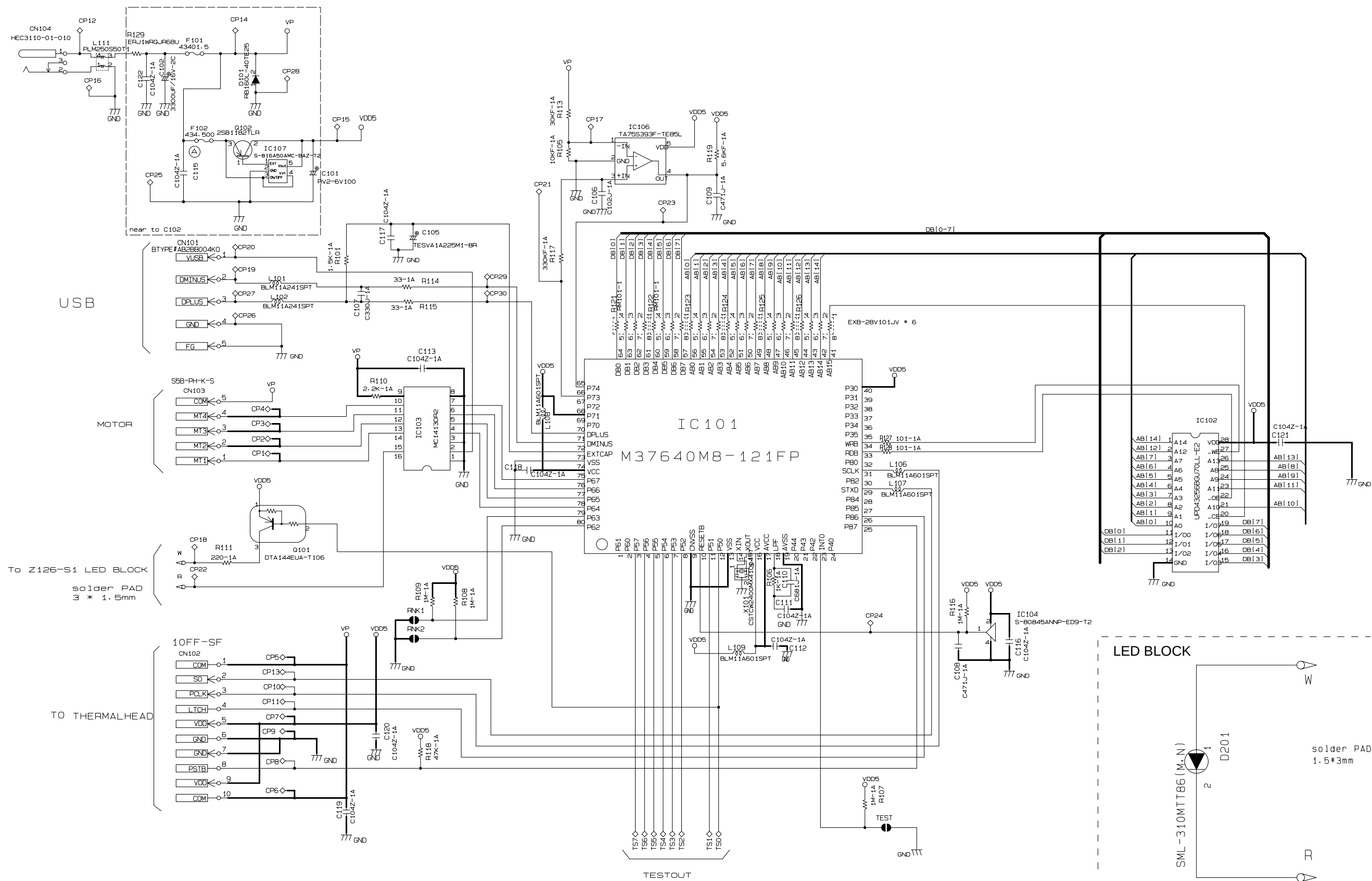
4. Open the cover and remove the printer block.



5. Disassembled parts



6. SCHEMATIC DIAGRAM



7. PARTS PRICE LIST

7-1. Component

N	Item	Code No.	Parts Name	Specification	Applicable	Q	Price Code	R
PCB ASSY/MAIN (A241940)								
	CN101	1003 1862	CONNECTOR	BTYP#AB2BB004K0	Common	1	AD	C
	CN102	3501 8407	CONNECTOR	10FF-SF	Common	1	AB	C
	CN103	3501 6307	CONNECTOR	S5B-PH-K-S	Common	1	AA	C
	CN104	3501 5103	JACK/AC ADAPTER	HEC3110-01-010	Common	1	AD	C
	IC102	2012 3500	LSI/S-RAM	TC55257DFL-7085L	Common	1	AY	C
	IC103	2113 0343	IC/BIPOLAR	MC1413DR2	Common	1	AF	C
	X101	1003 1863	OSCILLATOR/CRYSTAL	CSTCW2400MX41004-T	Common	1	AE	C
	F101	2259 2777	FUSE/CHIP	F0603C1R50FWTRM	Common	1	AC	C
	F102	2259 2776	FUSE/CHIP	F0603C0R50FWTRM	Common	1	AC	C
COMPONENTS								
	1	1002 9962	PCB ASSY/MAIN	TK-A241940*1	Common	1	CU	B
	2	1002 9963	PCB ASSY	TK-A343573*1	Common	1	AB	B
	3	6422 8330	CHASSIS ASSY	A140988B*1 A	Common	1	CM	C
	4	1002 5519	CASE/UPPER	A141427-1	Common	1	AF	X
	5	1002 5520	PAD/MOUSE	A141430-1	Common	1	AO	C
	6	1002 5521	BUTTON	A241903-1	Common	1	AA	C
	7	1002 5522	SWITCH	A343508-1	Common	1	AA	C
	8	1002 5523	SWITCH	A343509-1	Common	1	AA	C
	9	1002 5524	CAP	A343511-1	Common	1	AA	C
	10	1002 5482	SCISSORS SUBASSY	A343515*1	Common	1	AU	C
	11	1002 5525	SPRING	A445151-1	Common	1	AA	C
	12	1002 5526	SPRING	A445152-1	Common	1	AA	C
	13	1002 5527	FOOT/RUBBER	A445154-1	Common	4	AF	C
	14	1002 5528	TAPE	A445156-1	Common	1	AA	C
	15	6422 0120	FOOT/RUBBER	A443062-1	Common	4	AA	C
	16	6410 2980	PIN	A414873-1	Common	1	AB	C
	17	6400 9780	SPRING	A412366-1	Common	1	AA	C
	18	1002 5529	CASE/LOWER	A141428-1	U	1	AD	X
	18	1002 5531	CASE/LOWER	A141428-3	E, M, B	1	AE	X
	19	1002 5533	COVER/CASSETTE	A241904-2	Common	1	AF	C
	20	1002 5535	PLATE/DISPLAY	A343512-2	Common	1	AC	B
N	21	1002 5537	LABEL	A343521-2	U, M	1	AA	C
N	21	1002 5538	LABEL	A343521-3	E, B	1	AA	C
N	22	1002 5539	LABEL/FCC	A342080-4	U	1	AA	C
	23	1000 3117	LABEL	A441531-8	U, M	1	AA	C
N	23	1002 5540	LABEL	A343572-1	E, B	1	AA	C
N	24	1003 1516	LABEL	A445153-1	Common	1	AA	C
N	25	1003 6742	TAPE	A445303-1	Common	1	AA	C
OTHERS								
	26	1003 0136	ADAPTER/AC	AD-A70110U	U	1	CH	C
	26	1003 0138	ADAPTER/AC	AD-A95100IG-D	E, M	1	CJ	C
	26	1004 4953	ADAPTER/AC	AD-A95100IE-D	B	1	CV	C
	27	1003 0137	CABLE/USB	S1939A	Common	1	AR	C
	28	1004 2901	SOFTWARE/CD-ROM	CDZ988LAA01B	Common	1	AG	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

Applicable	Shipment
U	U.S.A. (North America)
E	Europe
M	Others
B	U.K.

7-2. CHASSIS ASSY

	Item	Code No.	Parts Name	Specification	Applicable	Q	Price Code	R
CHASSIS ASSY (A140988)								
	101	6422 8370	CHASSIS ASSY/SUB	A241258*1 A	Common	1	AT	C
	102	6410 2770	GEAR	A313765-1	Common	1	AB	X
	103	6400 9640	PLATE/CLUCH	A311853-1	Common	1	AA	X
	104	6400 9650	REEL TOP	A311854-1	Common	1	AA	X
	105	6400 9710	FELT	A412350-1	Common	1	AA	X
	106	6400 9720	WASHER	A412351-1	Common	1	AA	X
	107	6400 9730	SPRING/CLUCH	A412352-1	Common	1	AA	X
	108	6421 0390	HEAD/ARM	A240993-1	Common	1	AC	X
	109	6413 9330	GEAR	A340279-1	Common	1	AC	X
	110	6410 8092	PLATEN	C312242B-1	Common	1	AI	X
	111	6413 9340	SPRING/HEAD	A440434-1	Common	1	AA	X
	112	6405 2850	ADHESIVE TAPE	A413501-1	Common	1	AA	X
	113	6400 9740	WASHER	A412353-1	Common	1	AA	X
	114	6400 9750	WASHER	A412353-2	Common	3	AA	X
	115	6400 9760	WASHER	A412353-3	Common	1	AA	X
	116	1013 8689	PRINT HEAD/THERMAL	KSH64FK-CA	Common	1	BP	B
	117	3222 0049	MOTOR/STEPPING	27S1N18ECNU	Common	1	BB	X
	118	1909 1944	SCREW	M3X5 ZMC-3	Common	2	AA	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

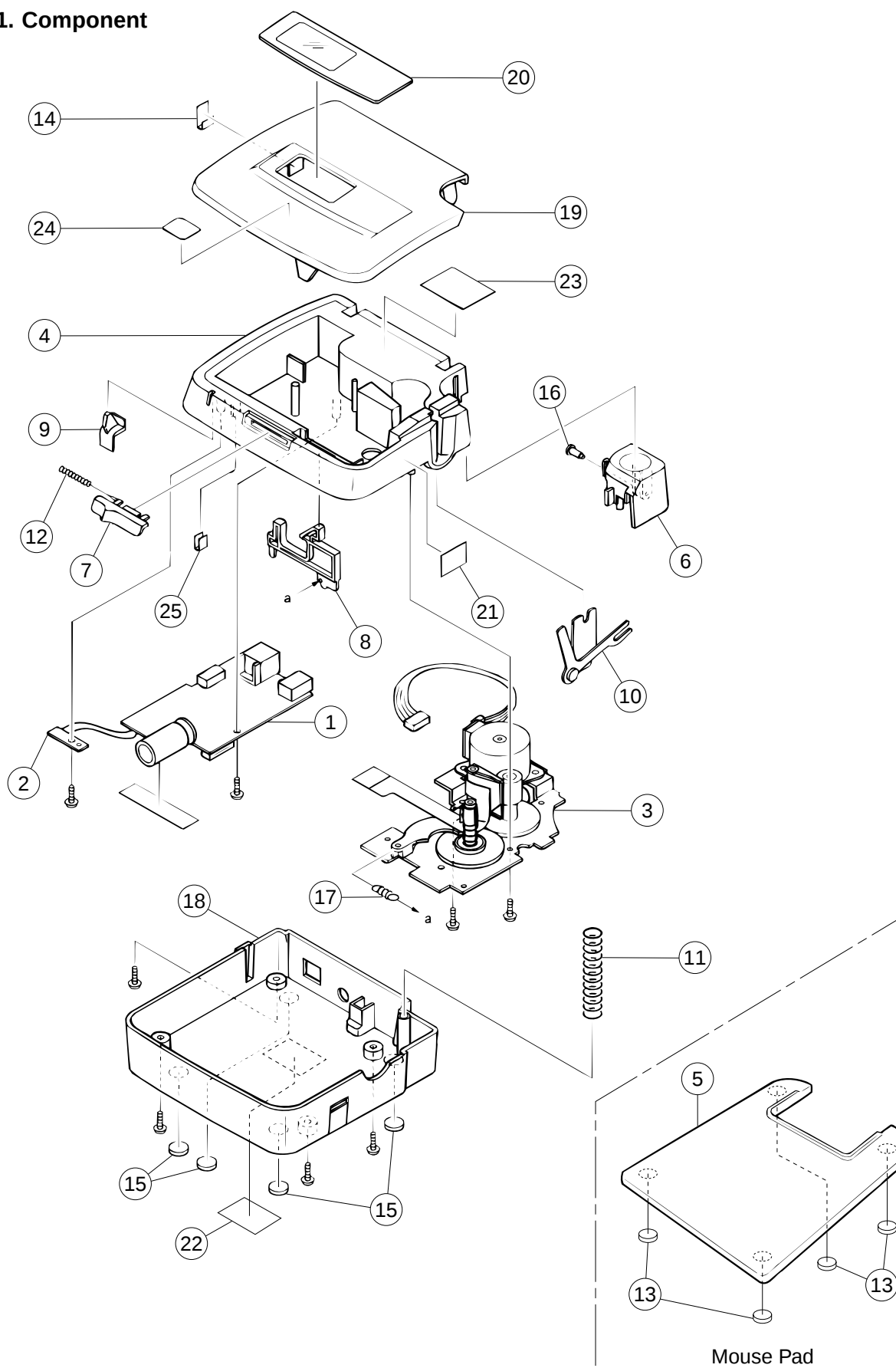
B:Stock recommended

C:Others

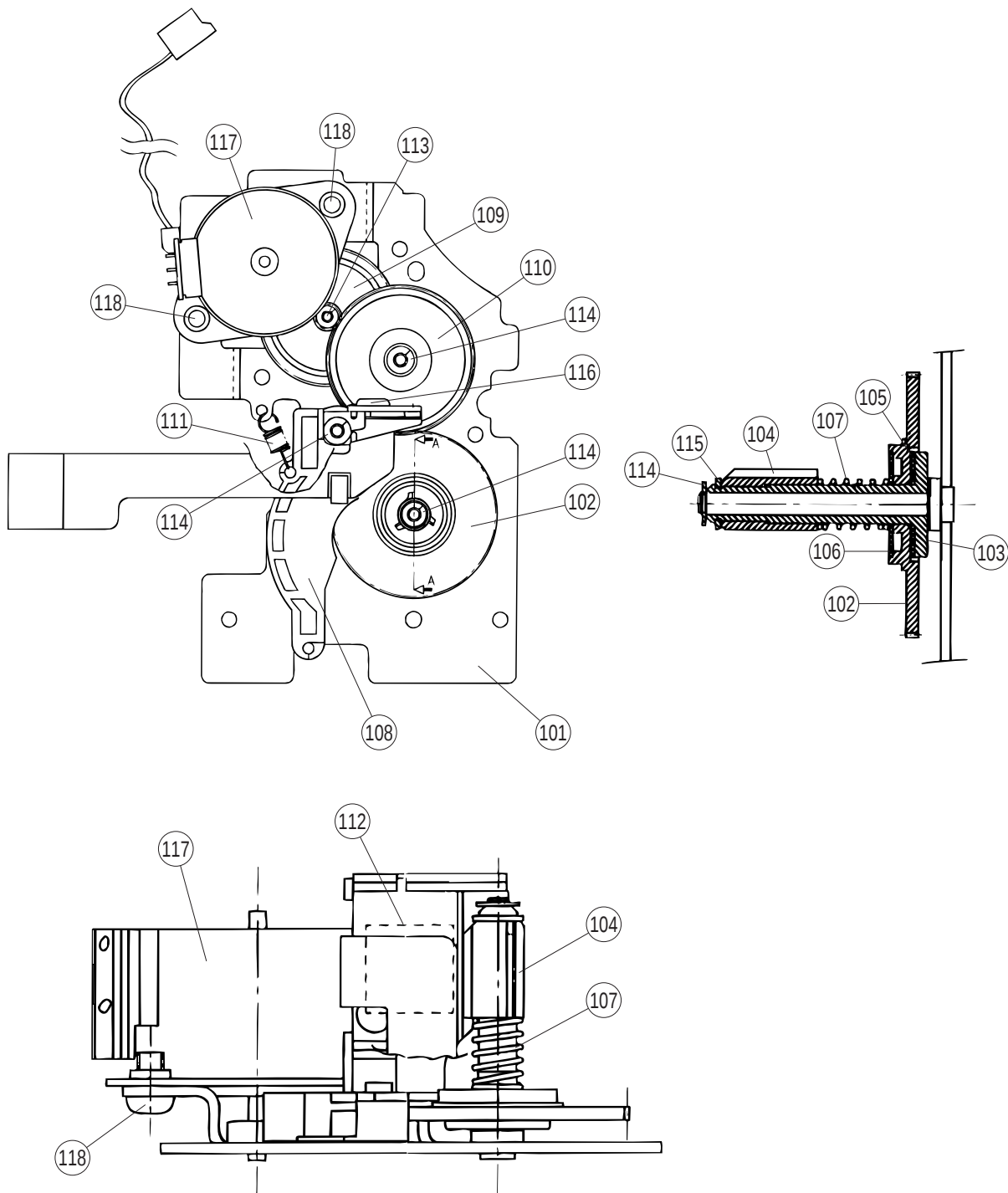
X:No stock recommended

8. EXPLODED VIEW

8-1. Component



8-2. Chassis assy



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