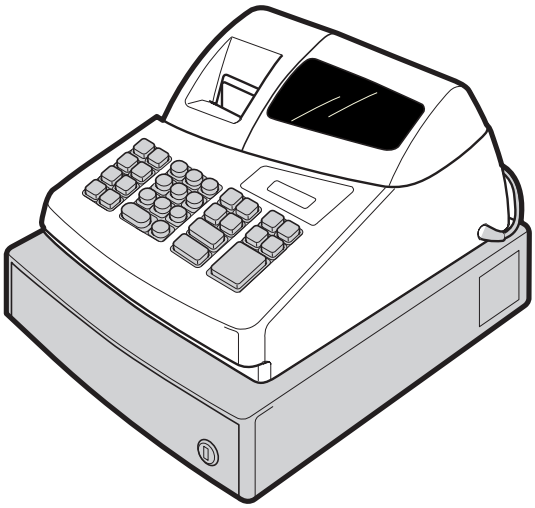
SHARP SERVICE MANUAL

CODE : 00ZXEA101USME



ELECTRONIC CASH REGISTER

MODEL XE-A101

SRV KEY : Not necessary
PRINTER : M-31
(U and A version)

CONTENTS

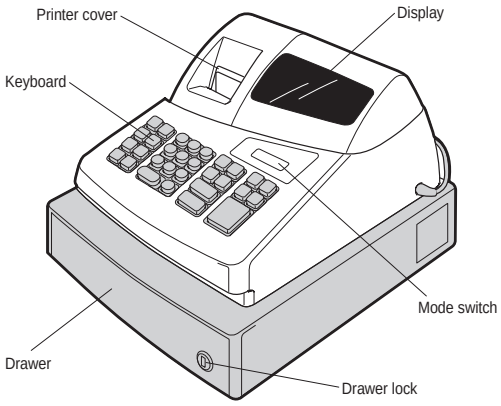
Parts marked with "⚠" are important for maintaining the safety of the set. Be sure to replace these parts with specified ones for maintaining the safety and performance of the set.

SHARP CORPORATION

CHAPTER 1. SPECIFICATIONS

1. APPEARANCE

Front view



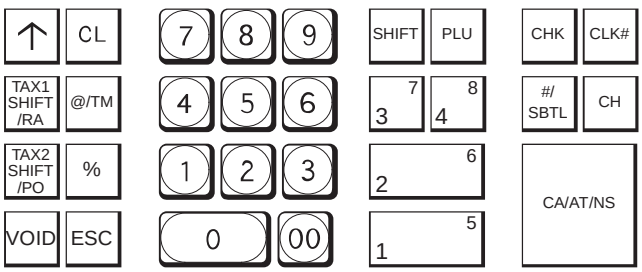
2. RATING

Weight	Approx 5.0kg
External dimension (Including the drawer)	330 (W) x 363 (D) x 253 (H) mm 13 (W) x 14.3 (D) x 9.96 (H) inches
Power source	AC 120V (±10%), 60Hz
Power consumption	Stand-by 4W Operating 12.5W
Working temperature	0~40°C (32 to 104°F)

3. KEYBOARD

1) KEYBOARD LAYOUT

Type	Normal keyboard
Key position	STD/MAX 30
Key pitch	19 (W) x 19 (H) mm
Key layout	Fixed type



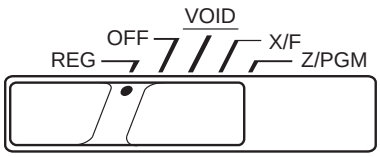
2) KEY LIST

Keytop	Description
0-9,00	Numeric keys
CL	Clear key
@/TM	Multiplication & Time display key
↑	Paper feed key
Tax 1 Shift/RA	Tax 1 shift and Received on account key
Tax 2 Shift/PO	Tax 2 shift and Paid out key
%	Percent keys
ESC	Error escape key
VOID	Void key
CLK#	Clerk code Entry key
PLU	PLU code entry key
SHIFT	Department shift key
#/SBTL	Non-add code & Tax Included subtotal key
CHK	Check key
CH	Charge key
CA/AT/NS	Cash sale Amount tender and No Sale key
Dept1-8	Department key

4. MODE SWITCH

1) LAYOUT

- Slid type



5. DISPLAY

1) OPERATOR DISPLAY

Display device: LED numeric display

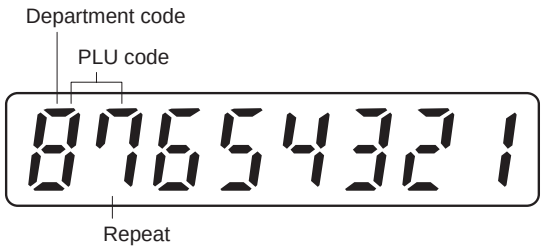
Number of line: 1 line

Number of positions: 8 positions numeric display

Color of display: Yellow / Green

Character size: Numeric 14 (H) x 8 (W) mm

(Layout)



2) DISPLAY CONTENTS

Departments/PLU Code:

The department code or PLU code entered appears on the left. For example, if the key for department 1 is pressed, "1" would appear in the extreme left position.

Repeat:

Indicates the number of times the same department key is pressed. If an entry is repeated more than ten times, only the first digit is displayed (12 displays as "2").

(E) Error:

This symbol appears, accompanied by a warning beep, when an error is made. If this occurs during a transaction because of an excessive digit entry, simply press CL and re-enter correctly.

(P) Program:

This symbol remains on the display when the cash register is being programmed in the Z/PGM mode.

(F) Finalization:

This symbol appears when a transaction is finalized by pressing CA/AT/NS , CH or CHK .

(o) Subtotal:

This symbol appears when #/SBTL is pressed and the cash register computes the subtotal, and also when the amount tendered is less than the total sale amount.

(C) Change:

This symbol appears whenever the change due amount is displayed.

(L) Low battery:

This symbol appears when the power of the installed batteries is below a certain level or you need to replace the batteries with new ones. (see the "Maintenance" section for explanation.)

(⌞) No battery:

This symbol appears when no batteries are installed. (see "Maintenance" and "Getting Started" sections for explanation.)

In addition, the following appear when appropriate:

- The minus sign (-) can appear in positions 2 to 8.
- The decimal point appears in positions 1 to 3.
- When entry of the secret code is necessary, "---"appears in positions 1 to 4.

6. PRINTER

1) PRINTER

- Model name: M-31
- No. of stations: 1
- Printing system: Print wheel selective type
- Printing capacity: max. 13 characters
- Character size: 1.6mm (W) x 2.8mm (H)
- Print pitch: Column distance 2.1mm (numeric to numeric), 2.6mm (numeric to symbol)
  Row distance 4.6mm
- Print speed: Approximate 1.4 lines/s (6 digits/line)
- Paper feed speed: Approximate 4.3 lines/s
- Reliability: MCBF 0.3 million lines

2) PAPER

- Paper roll dimension: 57.5 ± 0.5mm
  max. 80mm in diameter
- Paper quality: Bond paper (paper thickness: 0.06 to 0.085mm paper weight: 47 to 64g/m²)

3) INKING

- Ink supply system: Ink rill
- From: Roller
- Specification: Material - rubber
- Ribbon life: 0.7 million characters
- Print color: purple

4) LOGO STAMP (No)

5) CUTTER

- Manual cutter

6) PRINTING WHEEL LAYOUT

	1	2	3	4	5	6	7	8	9	10	11	12	13
0	0	0	0	0	0	0	0	0	0	0	0	0	X
1	1	1	1	1	1	1	1	1	1	1	1	1	Z
2	2	2	2	2	2	2	2	2	2	2	2	2	RA
3	3	3	3	3	3	3	3	3	3	3	3	3	PO
4	4	4	4	4	4	4	4	4	4	4	4	4	VD
5	5	5	5	5	5	5	5	5	5	5	5	5	%
6	6	6	6	6	6	6	6	6	6	6	6	6	@
7	7	7	7	7	7	7	7	7	7	7	7	7	ST
8	8	8	8	8	8	8	8	8	8	8	8	8	TX
9	9	9	9	9	9	9	9	9	9	9	9	9	CA
10													
11	–	–	–	–	–	–	–	–	–	–	–	–	CH
12	•	•	•	•	•	•	•	•	•	•	•	•	CK
13	#	#	#	#	#	#	#	#	#	#	#	#	CG

7. DRAWER

[OUTLINE]

- Standard equipment: Yes (1)
- Max. number of drawers: 1
- The drawer consists of:
  (1) Drawer box (outer case) and drawer
  (2) Money case
  (3) Coin case
  (4) Lock (attached to the drawer)

[SPECIFICATION]

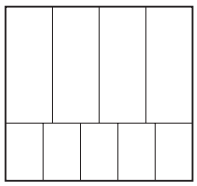
1) DRAWER BOX AND DRAWER

Size	330 (W) x 363 (D) x 98 (H) mm 13 (W) x 14.3 (D) x 3.9 (H) inches
Material	Plastic
Bell	–
Release lever	Standard equipment: situated at the bottom
Drawer open sensor	–

2) MONEY CASE

Separation from the drawer	Disallowed
Separation of the bill compartments from the coin compartments	Allowed
Bill separator	–
Number of compartments	4B/5C

Layout:



4B/5C

3) LOCK (LOCK KEY : LKGIM7331BHZZ)

- Location of the lock: Front
- Method of locking and unlocking:
  To lock, insert the drawer lock key into the lock and turn it 90 degrees counter clockwise.
  To unlock, insert the drawer lock key and turn it 90 degrees clockwise.
- Key No: SK1-1

8. BATTERY

1) MEMORY BACK UP BATTERY

For memory back up, the dry battery ULM-3 (3 pieces) are needed.

1. Memory holding time:
   Approx. 1 year after New dry batteries are installed.
2. Battery exchange method:
   When the low battery symbol "L" lights up, replace the batteries (3 AA) replaced by the following method;
   1) Power on the ECR.
   2) Mode switch turn to "REG" mode.
   3) Remove the OLD dry batteries (3 pieces).
   4) Insert the NEW dry batteries (3 pieces).
   5) Confirm the low battery symbol "L" is off.

2) LOW BATTERY

Low battery indication will appear on the left side of display when the battery voltage is low.

CASE 1: When sitting idle or after completion of transaction.

The machine can indicate the low battery condition (Always)

CASE 2: Low battery indication will not appear during key operations, but will appear after power up of the cash register.

[Display sample]

" 0.00" : Battery is OK.
"L 0.00" : Low battery (You have to change the batteries.)

After finalization
"F 12.34" : Battery is OK.
"L 12.34" : Low battery ("L" indicate instead of "F".)

3) NO BATTERY

If the user forgets to replace the battery and the battery voltage falls below a certain level, or if a power failure occurs with no batteries installed, the memory contents cannot be retained. The CPU judges it as no battery and performs the master reset. In this case, all the settings and registrations are cleared. If, however, the power is continuously supplied to the AC cord, the memory contents are retained.

Low battery : Batteries are installed, but the voltage is low.
Memory back up can be done.

No battery : Batteries are not installed or the voltage is extremely low.
The master reset is executed when a power failure occurs, when the batteries are not properly charged.

Low battery & No battery indication will appear at the most left position of display when the battery voltage is low.

CASE 1: When any numeric entry & item entry is not done or just after finalization.

The machine can indicate the battery condition. (Always)

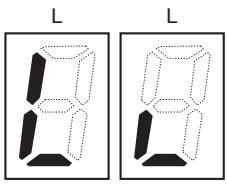
CASE 2: When numeric entry or item entry is done.

Battery condition is not appeared.
Exceptionally, at the power is restored after power failure, the low battery & No battery indication will appear on the display only when the battery voltage is low.
And the indication will disappear after any key entry.

[Display sample]

" 0.00" : Battery is OK.
"L 0.00" : Low battery
"⌞ 0.00" : No battery
After finalization

"F 12.34" : Battery is OK.
"L 12.34" : Low battery ("L" indicate instead of "F".)
"⌞ 12.34" : No battery ("L" indicate instead of "F".)



CHAPTER 2. OPTIONS

1. OPTIONS (No)

2. SERVICE OPTIONS (No)

3. SUPPLIES

NO	NAME	PARTS CODE	PRICE RANK	DESCRIPTION
1	ROLL PAPER	DPAPR1025CSZZ	AS	5 ROLLS/PACK
2	INK ROLLER	NROLR1022CC05	AF	

4 SPECIAL SERVICE TOOLS (No)

CHAPTER 3. MASTER RESET

Master reset: Clears all the memory and initializes each preset parameter.

The master reset should be performed by using the following procedure.

1. Turn off the power (Power OFF). (See Note 1.)
2. Let the ECR be without the memory back up battery.
3. Turn the mode switch to the others of Power-off position.
4. Turn on the power (Power ON). (See Note 2.)

When the master rest is completed, the buzzer sounds intermittently three times.

5. Attach the memory back up battery to the ECR.

The master reset can also be accomplished in the following case. (See Note 3.)

Note 1) Power OFF: Means disconnecting the AC power supply to the machine.
(Specifically, unplugging the machine.)

Note 2) Power ON: Means connecting the AC power to the machine.
(Specifically, plugging in the machine.)

Note 3) In case a power failure occurs when the machine has no battery installed, the master reset operation is automatically performed after the power has been restored.

CHAPTER 4. HARDWARE DESCRIPTION

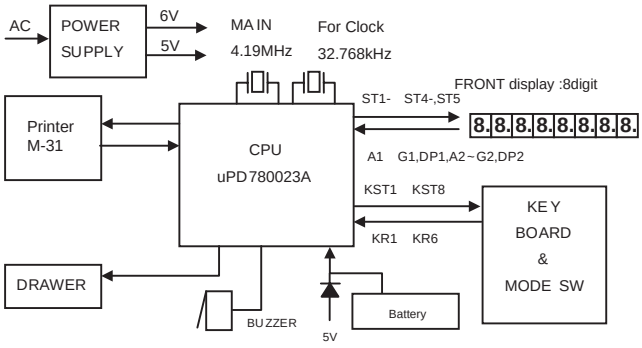
1. OUTLINE

- CPU: uPD780023A (ROM 24KB, RAM 1024B)
- KEY BOARD: 30key including PF key
- MODE SW: 5position slide SW

DISPLAY: 7seg.+DP x 8digit LED (YELLOW GREEN) FRONT only

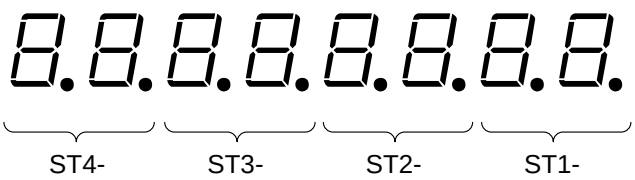
- DRAWER: 1ch, no open sensor
- BUZZER: 1beep, piezo buzzer
- PRINTER: M-31(no EURO SYMBOL)

2. BLOCK DIAGRAM

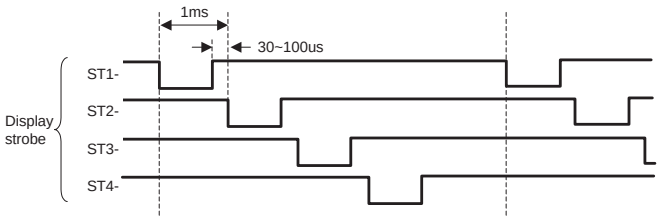


3. DISCRIPTION

1) DISPLAY



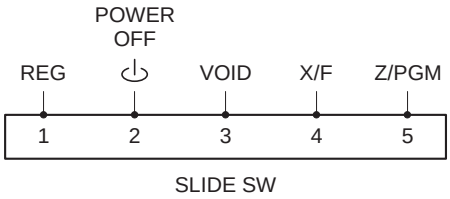
(Output Timing of STROBE signal)



2) KEYBOARD and MODE SW

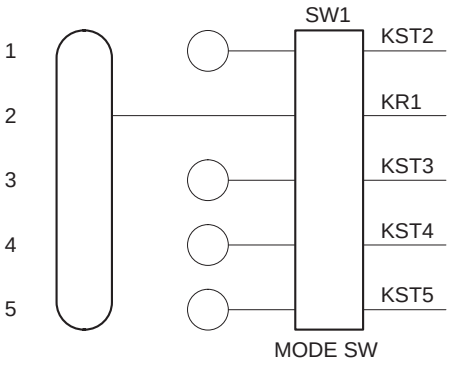
MODE SW, KEY MATRIX is follows.

∗ Note: Although the XE-A101 has 30 keys, the keyboard circuit is actually 32 keys (+) the PF key.

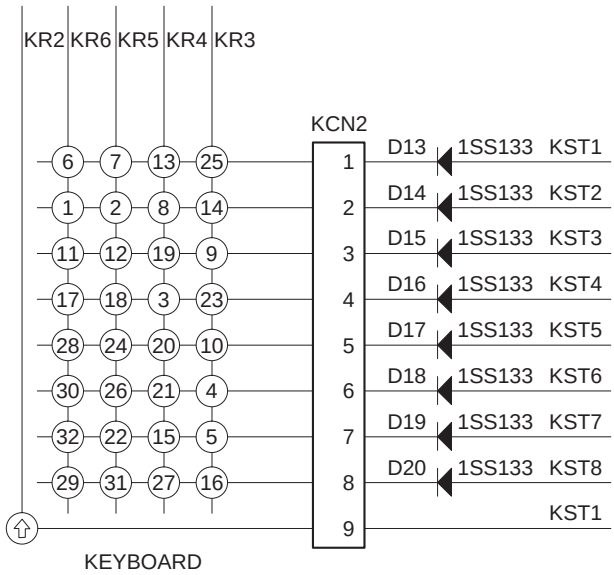


SLIDE SW

↑	22	26	1	2	3	4	5	6
31	7	8	9	10	11	12	13	14
15	16	17	18	19		21		
24	25		27	28		30		32



MODE SW



KEYBOARD

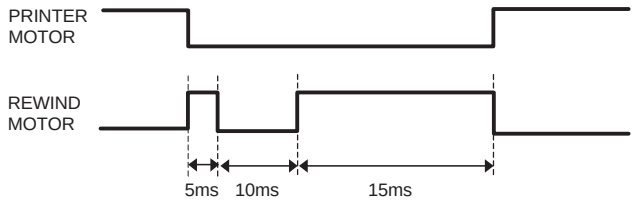
3) BUZZER

The BUZZER is driven by the P75/BUZ signal of the CPU.

Frequency : 4.095kHz

4) REWIND MOTOR

When the rewind motor is driven by the signal of the CPU.



5) DRAWER

DRAWER OPEN signal :Output high signal between 50ms

6) DETECTING "LOW VOLTAGE"

- Values obtained by AD conversion and averaging

  Register value: 138 (≒2.7V) or less → No voltage
  139 - 154 (≒2.7V - 3.0V) → Low voltage
  more than 154 → OK

7) DESTINATION DETECTION port

	U and A version
P66	L

4. CPU PORT TABLE

No.	PIN Name	Signal Name	Description	Output/Input	Initial state	When STBY
1	**P50**/A8	RWND	REWIND MOTOR	O	L	O/L
2	**P51**/A9	DR	To DRAWER	O	L	O/L
3	**P52**/A10	SA2	DISPLAY SEGMENT	O	L	O/L
4	**P53**/A11	SB2	DISPLAY SEGMENT	O	L	O/L
5	**P54**/A12	SC2	DISPLAY SEGMENT	O	L	O/L
6	**P55**/A13	SD2	DISPLAY SEGMENT	O	L	O/L
7	**P56**/A14	SE2	DISPLAY SEGMENT	O	L	O/L
8	**P57**/A15	SF2	DISPLAY SEGMENT	O	L	O/L
9	**Vss0**	GND				
10	**Vdd0**	VDD				
11	**P30**	ST1-	DISPLAY STROBE N-Ch O.D.	O	H	I
12	**P31**	ST2-	DISPLAY STROBE N-Ch O.D.	O	H	I
13	**P32**	ST3-	DISPLAY STROBE N-Ch O.D.	O	H	I
14	**P33**	ST4-	DISPLAY STROBE N-Ch O.D.	O	H	I
15	**P34**/SI31	ST5	DISPLAY STROBE (H ACTIVE)	O	L	O/L
16	**P35**/SO31	NU	(GND via 56k)	I		I
17	**P36**/SCK31-	NU	(GND via 56k)	I		I
18	**P20**/SI30	SA1	DISPLAY SEGMENT	O	L	O/L
19	**P21**/SO30	SB1	DISPLAY SEGMENT	O	L	O/L
20	**P22**/SCK30-	SC1	DISPLAY SEGMENT	O	L	O/L
21	**P23**/RXD0	SD1	DISPLAY SEGMENT	O	L	O/L
22	**P24**/TXD0	SE1	DISPLAY SEGMENT	O	L	O/L
23	**P25**/ASCK0	SF1	DISPLAY SEGMENT	O	L	O/L
24	**Vdd1**	VDD				
25	**Avss**	GND				
26	P17/**ANI7**	VBAT	BATTERY voltage	I		I
27	**P16**/ANI6	NU	RESERVE FOR KEY RETURN	I		I
28	**P15**/ANI5	KR6	KEY RETURN	I		I
29	**P14**/ANI4	KR5	KEY RETURN	I		I
30	**P13**/ANI3	KR4	KEY RETURN	I		I
31	**P12**/ANI2	KR3	KEY RETURN	I		I
32	**P11**/ANI1	KR2	KEY RETURN	I		I
33	**P10**/ANI0	KR1	KEY RETURN	I		I
34	**Avref**	VCC				
35	**Avdd**	VDD				
36	**RESET-**	RESET-				
37	**XT2**	XT2	32.768Khz Xtal			
38	**XT1**	XT1	32.768Khz Xtal			
39	**IC/VPP**	GND				
40	**X2**	X2	SYSTEM CLOCK			
41	**X1**	X1	SYSTEM CLOCK			
42	**Vss1**	GND				
43	P00/**INTP0**	/POF	POWER OFF	I		I
44	P01/**INTP1**	T	From PRINTER	I		I
45	P02/**INTP2**	t	From PRINTER	I		I
46	**P03**/INTP3/ADTRG	R	From PRINTER	I		I
47	**P70**/TI00/TO0	SG1	DISPLAY SEGMENT	O	L	O/L
48	**P71**/TI01	SDP1	DISPLAY SEGMENT	O	L	O/L
49	**P72**/TI50/TO50	SG2	DISPLAY SEGMENT	O	L	O/L
50	**P73**/TI51/TO51	SDP2	DISPLAY SEGMENT	O	L	O/L
51	**P74**/PCL	NU		O	L	O/L
52	P75/**BUZ**	BUZ	BUZZER	O	L	O/L
53	**P64**/RD-	MTR	To PRINTER	O	L	O/L
54	**P65**/WR-	TRG	To PRINTER	O	L	O/L
55	**P66**/WAIT-	MSL1	MODEL SELECT1	I		I
56	**P67**/ASTB	MSL2	MODEL SELECT2	I		I
57	**P40**/AD0	KST1	KEY STROBE	O	L	O/L
58	**P41**/AD1	KST2	KEY STROBE	O	L	O/L
59	**P42**/AD2	KST3	KEY STROBE	O	L	O/L
60	**P43**/AD3	KST4	KEY STROBE	O	L	O/L
61	**P44**/AD4	KST5	KEY STROBE	O	L	O/L
62	**P45**/AD5	KST6	KEY STROBE	O	L	O/L
63	**P46**/AD6	KST7	KEY STROBE	O	L	O/L
64	**P47**/AD7	KST8	KEY STROBE	O	L	O/L

CHAPTER 5.TEST FUNCTION

1) To execute the diag test, set the mode switch to Z/PGM. Enter the desired JOB code, and press the PO (paid out) key.
2) The test message is printed by the printer.
3) Test contents and key operations.

NO.	Test contents	Key operations
1	Mode switch test	1 → PO
2	Key test	02 → PO
3	Display buzzer test	3 → PO
4	Drawer test	4 → PO
5	Printer test	5 → PO
6	CPU version NO. print	6 → PO
7	Battery level test	7 → PO
8	Time display test	8 → PO
9	Destination display	9 → PO

1. MODE SWITCH TEST

1) KEY OPERATION

1 → PO

2) TEST PROCEDURE

Change over the mode switch as follows. If the mode switch data in the proper sequence is not read with the above operation, an error is printed.

To cancel this test mode, set the mode switch to any a position other than Z/PGM to Z/PGM. In this case, the completion print is performed.

During the test , the display indicates hard codes which correspond to the switch positions.

3) MODE SWITCH OPERATION

Mode: Z/PGM → X/FLASH → VOID → OFF → REG

Display: (04) (03) (02) (01)

Completion print		01
Error print	– – –	01

2. KEY TEST

1) KEY OPERATION

02 → PO

2) TEST PROCEDURE

Perform the keyboard check with the sum check data of the key code.

Enter the sum check data of each model in the four digits preceding the diag number 02, and compare the data with the key position code which is added until the CA/AT/NS key is pressed.

If the data coincides with the code, the completion print is performed. If not, the error print is performed.

Completion print		02	
Error print	– – –	02	
		XXXX	Sum data

3. DISPLAY BUZZER TEST

1) KEY OPERATION

3 → PO

2) TEST PROCEDURE

Check the continuous buzzer sound and the display state.

Display state:

8. 7. 6. 5. 4. 3. 2. 1.

The decimal point will shift from the lower digit to the upper, step by step (500mSEC). To cancel the test mode, press any key, and the buzzer will stop and the completion print is performed.

Completion print	03

4. DRAWER TEST

1) KEY OPERATION

4 → PO

2) TEST PROCEDURE

The drawer opens with the above key operation. Check that the drawer is open. Press any key to terminate the test.

Completion print	04

5. PRINTER TEST

1) KEY OPERATION

5 → PO

2) TEST PROCEDURE

With the above key operation , the print test pattern is repeatedly printed.

Pressing any key will terminate the test after the completion of one cycle print. (The receipt is issued at the end.)

```
                    0 0 0 X
                    1 1 1 Z
                    2 2 2 RA
                    3 3 3 PO
                    4 4 4 VD
                    5 5 5 %
                    6 6 6 @
                    7 7 7 ST
                    8 8 8 TX
                    9 9 9 CA

                    – – – CH
                    . . . CK
                    # # # CG
# ・ –   9 8 7 6 5 4 3 2 X
0 1 2 3 4 5 6 7 8 9   – CG
```

6. CPU VERSION NO. PRINT

1) KEY OPERATION

6 → PO

2) DESCRIPTION

The CPU version No. are printed with above key operation.
(Print example)

0101 CPU version NO.

06

This test is terminated when printing is completed.

7. BATTERY VOLTAGE SENSOR TEST

1) KEY OPERATION

7 → PO

2) TEST PROCEDURE

Displays A/D conversion port read value.

0155 or greater: Normal

0154 or smaller: Low battery display

0138 or smaller: No battery display and MSR is done when power on.

To terminate the test, press any key.

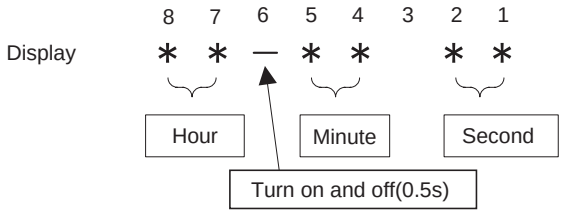
Completion print 07

8. TIME DISPLAY TEST

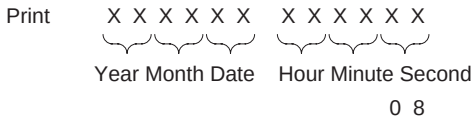
1) KEY OPERATION

8 → PO

2) TEST PROCEDURE



To terminate the test and print the date and time, press any key.



9. DESTINATION DISPLAY

1) KEY OPERATION

9 → PO

2) TEST PROCEDURE

Display the destination code as follows.

	U and A version	V version	Japan
Display	0	1	2

Display X (X:0)

To terminate the test, press any key.

Completion print 09

CHAPTER 6. SERVICE PRECAUTION

1. PRINTER

Since there are no service parts for this model printer, only the printer unit is supplied. Therefore, the printer component parts are not supplied and no service document is issued.

For troubleshooting of the printer, refer to the table below:

* Printer life: 300 thousand lines (XE-A101: M-31)
  Ink roll life: 1 million characters

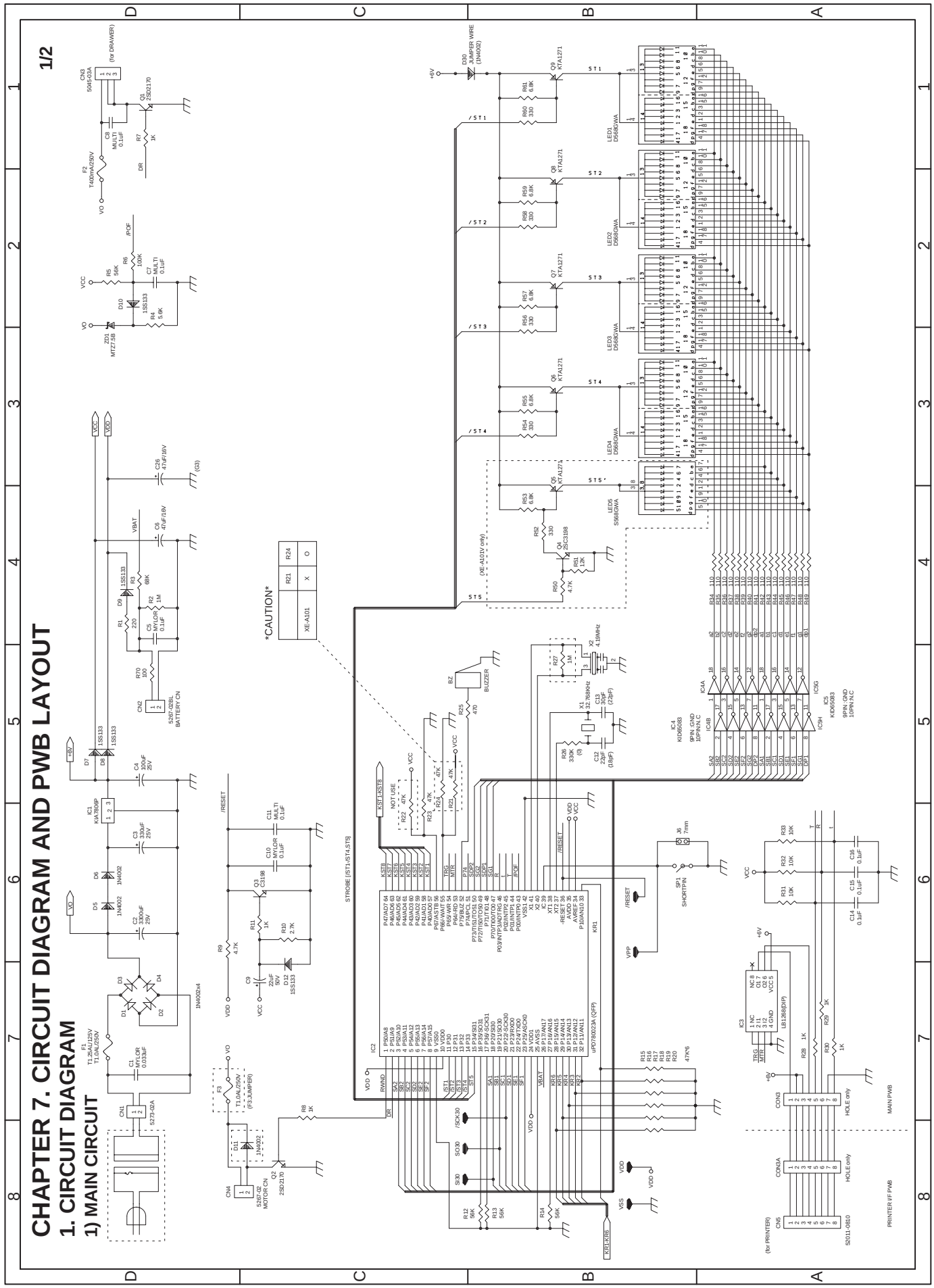
Phenomena	Check point/possible cause	Repair
• The printer motor is locked and the buzzer sounds intermittently.	• Check if the printer cable is disconnected.	• Check and repair the printer cable.
• The printer does not work properly	• Check if the printer life is reached.	• Replace the printer.
	• Check if any foreign material is attached to the printing type wheel or the gear section.	• Remove the foreign material. (After removing the foreign material, set the mode switch to "REG" and press "CL" key.)
• Defective print (Lack on the upper/ lower or left/right side)	• Check if the printing type is worn down.	• Replace the printer.
	• Check if any foreign material is attached to the printing type wheel.	• Remove the foreign material. (After removing the foreign material, set the mode switch to "REG" and press "CL" key.)
• Thin print	• Check if the ink roll life is reached.	• Replace the ink roll.
	• Check if the ink roll is properly installed.	• Install the ink roll properly.
	• Check if the printing type wheel is worn down.	• Replace the printer.
• Uneven pitch of print paper feed	• Check if the roll paper size is proper.	• Use roll paper as specified below; Paper width: 57.5±0.5mm Outside diameter: φ80mm or less Inside diameter of paper tube: φ12mm or less Paper thickness: 0.06~0.085mm
	• Check if a load is applied to the roll paper during paper feeding. This may result from a foreign materials attached to the roll paper.	• Remove any foreign material.

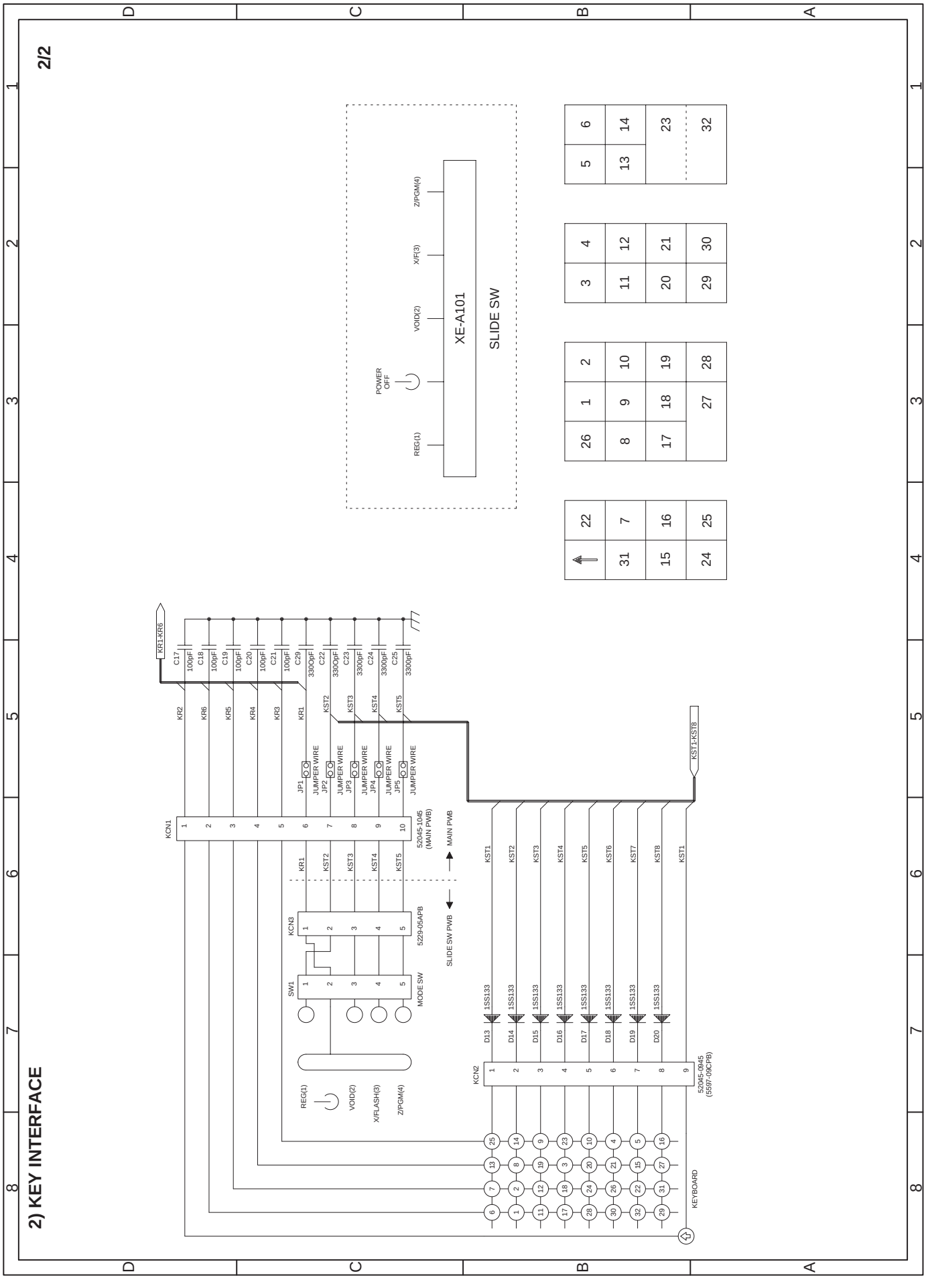
CHAPTER 7. CIRCUIT DIAGRAM AND PWB LAYOUT

1. CIRCUIT DIAGRAM

1) MAIN CIRCUIT

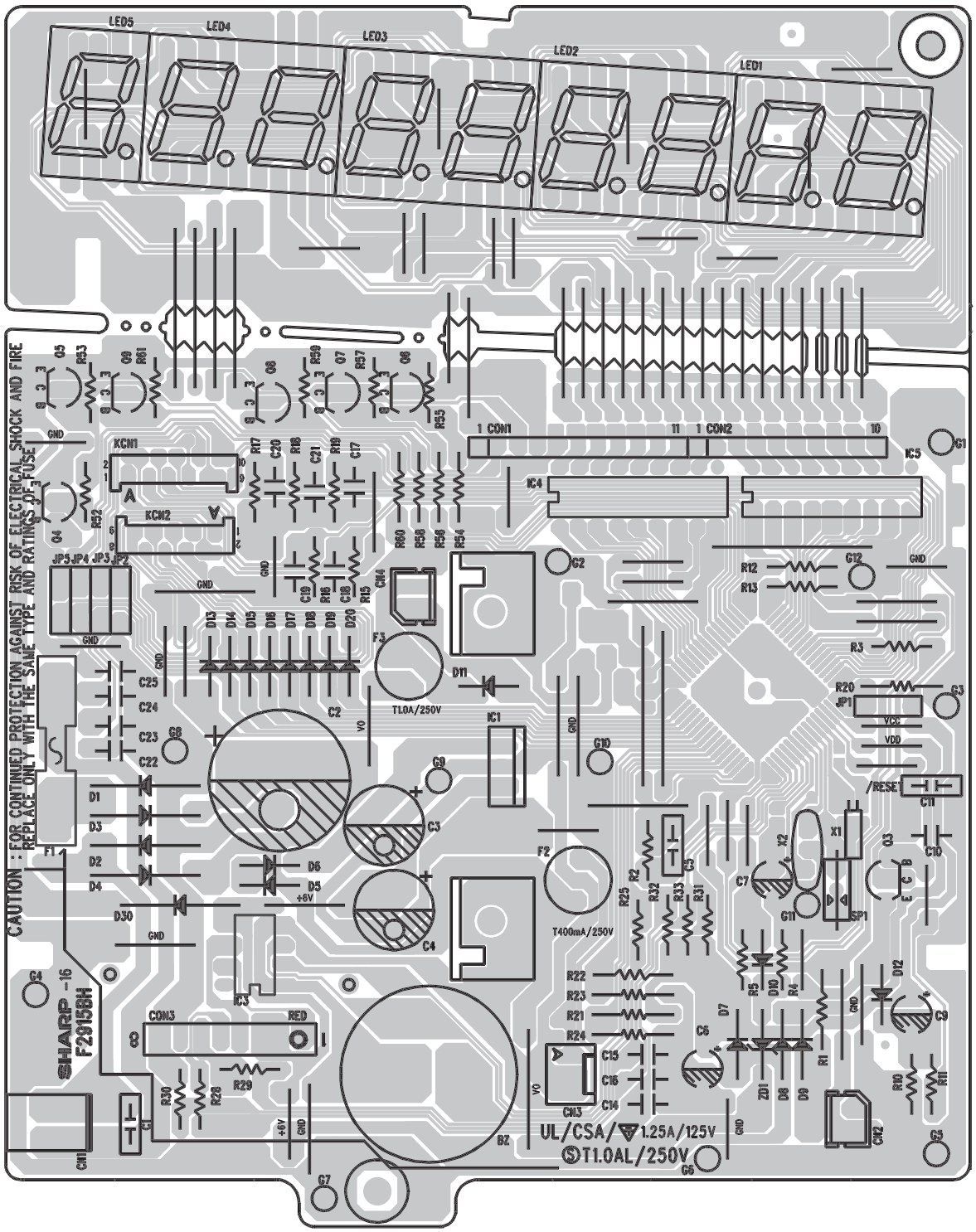
1/2

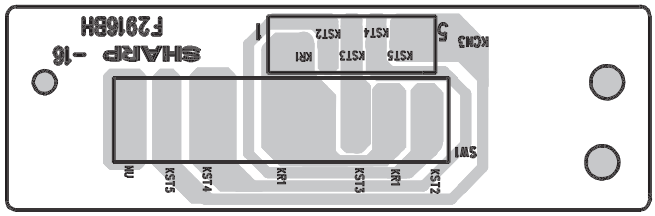


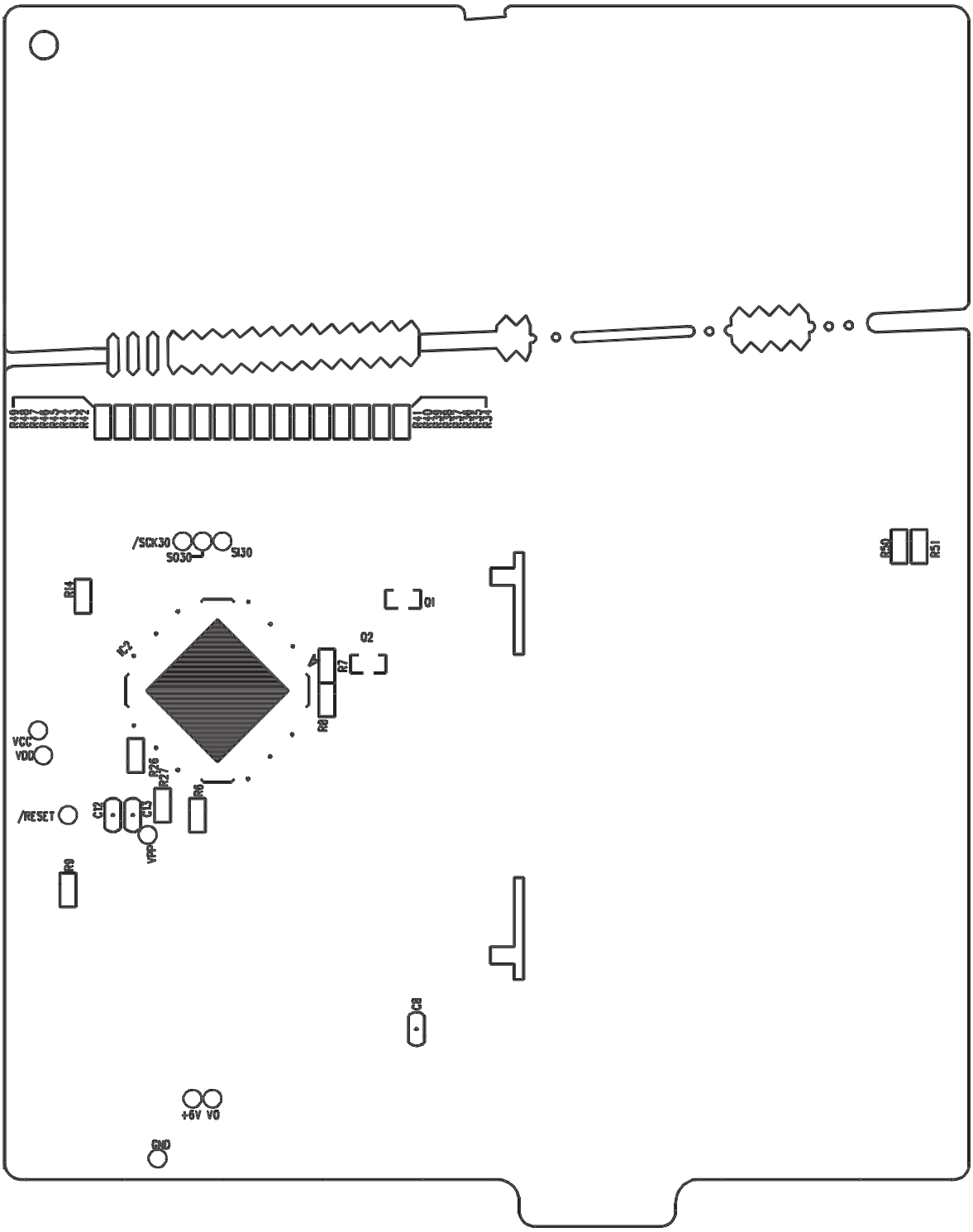

2/2
2) KEY INTERFACE
SLIDE SW
XE-A101
POWER OFF
REG(1)
VOID(2)
X/F(3)
Z/PGM(4)
KR1-KR6
KST1-KST8
KCN1
KCN2
KCN3
SW1
MODE SW
MAIN PWB
SLIDE SW PWB
52045-1045 (MAIN PWB)
5229-05APB
52045-0945 (5597-08CPB)
KEYBOARD
JUMPER WIRE
1SS133

2. PWB LAYOUT

1) A side






/SCK30
SO30
SI30
R14
Q1
Q2
R7
R8
VCC
VDD
R26
R27
R6
/RESET
C12
C13
VPP
R9
C8
+6V
VO
GND
R50
R51

1) B side

SHARP **PARTS GUIDE**

MODEL XE-A101

PRINTER:M-31

(for U.S.A,Canada)

CONTENTS

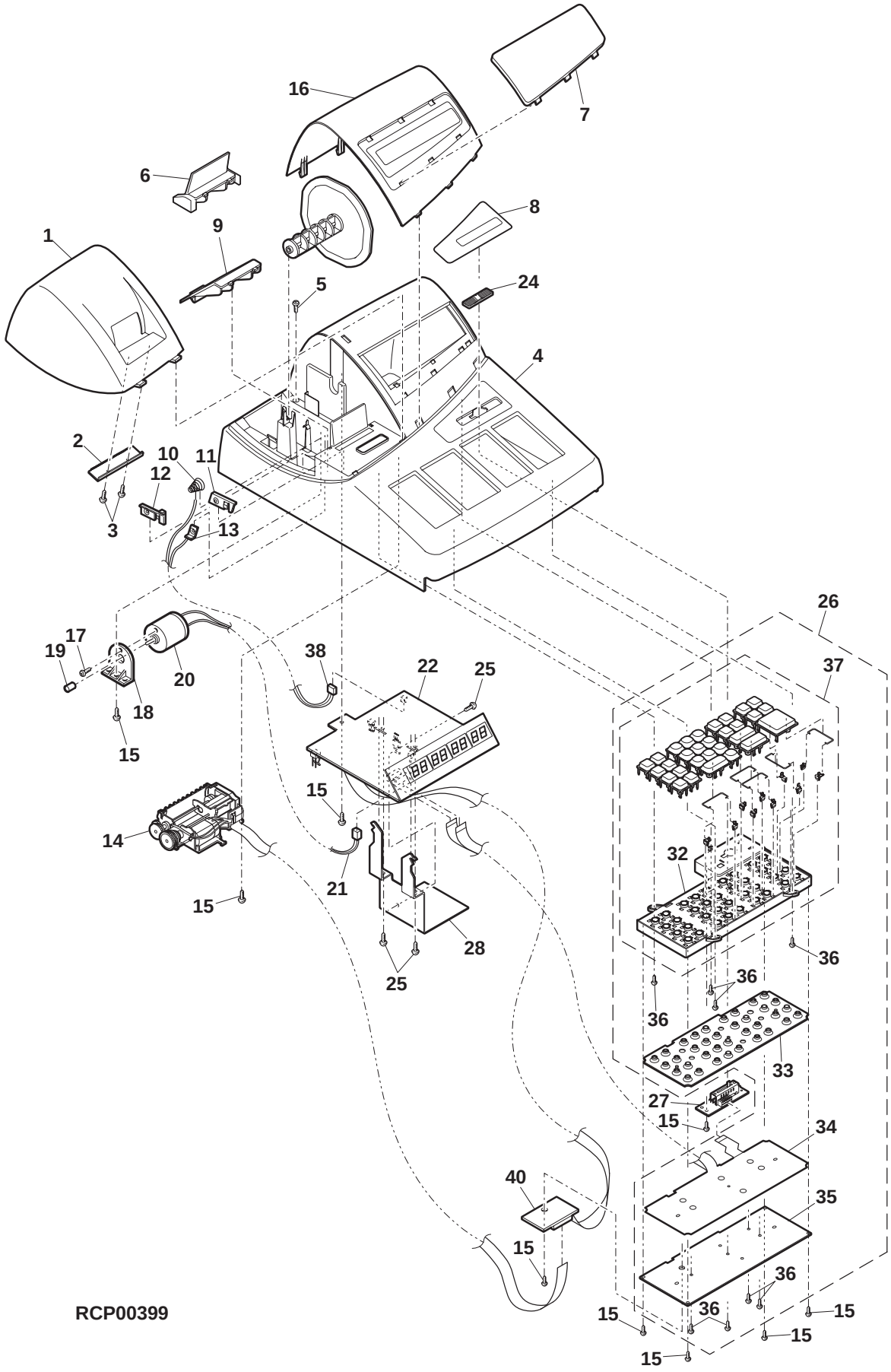
Parts marked with "⚠" are important for maintaining the safety of the set.Be sure replace these parts with specified ones for maintaining the safety and performance of the set.

SHARP CORPORATION

1 Exteriors

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
1	GCŌVB2523BHZZ	AS	N	D	PRINTER COVER (GRAY-559)
2	PCUT-6652BHZZ	AF		C	Paper cutter
3	XJBSD20P04000	AA		C	Screw (2×4) [PAPER CUTTER]
4	GCABB2567BHZZ	BD	N	D	TOP CABINET (GRAY(PB-N8.0))
5	XJPSD30P10X00	AC		C	Screw (3×10X)
6	PGiDH2403BHZZ	AG	N	C	PAPER GUIDE (GRAY(PB-N8.0))
7	PFiLW2010BHZZ	AP	N	D	FRONT FILTER
8	HDECP2370BHZZ	AM	N	D	DECO PANEL (GRAY(PB-N8.0))
9	GFTAB2445BHZZ	AG	N	D	BATTERY COVER (GRAY(PB-N8.0))
10	QTANZ2351BHZZ	AE	N	C	BATTERY TERMINAL d
11	QTANZ2349BHZZ	AG	N	C	BATTERY TERMINAL A
12	QTANZ2350BHZZ	AG	N	C	BATTERY TERMINAL B
13	QTANZ2348BHZZ	AF	N	C	BATTERY TERMINAL c
14	Ki-ŌB6774BHZZ	BE		E	Printer (M-31)
15	XEBSD30P08000	AA		C	Screw (3×8) [SET]
16	GCŌVB2524BHZZ	AS	N	D	DISPLAY COVER (GRAY-559)
17	XBPSD26P04000	AA		C	Screw (2.6×4) [MOTOR]
18	LHLDZ2388BHZZ	AE	N	C	MOTOR HOLDER (GRAY(PB-N8.0))
19	PGUMM2446BHZZ	AC	N	C	MOTOR GUM
20	RMŌTM2321BHZZ	AS	N	B	MOTOR
21	QCNW-3153BHZZ	AF	N	C	MOTOR CABLE
22	CPWBF2915BH01	BP	N	E	MAIN PWB UNIT
24	JKNBZ2428BHZZ	AE	N	C	SLIDE S/W KNOB (GRAY(PB-N8.0))
25	XBBSD30P06000	AA		C	Screw (3×6) [HEAT SINK]
26	Ki-ŌK2369BHZZ	BF	N	E	KEY BOARD
27	CPWBF2916BH01	AV	N	E	SLIDE SW I/F PWB UNIT
28	LANGK2904BHZZ	AH	N	C	HEAT SINK
32	LFRM-2365BHZZ	AW	N	D	KEY FRAME
33	PGUMM2445BHZZ	AY	N	C	KEY RUBBER
34	CSHEP2942BHZZ	AZ	N	B	KEY SHEET UNIT
35	LPLTM2365BHZZ	AV	N	C	BASE PLATE
36	XJPSD30P06000	AA		C	Screw (3×6) [KEY BOARD]
37	CKNBZ2427BHZZ	BD	N	C	KEY TOP UNIT (KEY FRAME+KEY TOP)
38	QCNW-3154BHZZ	AF	N	C	BATTERY CABLE
40	QCNCW6882BH0H	AF		C	Connector (52011-0810) (for Printer)

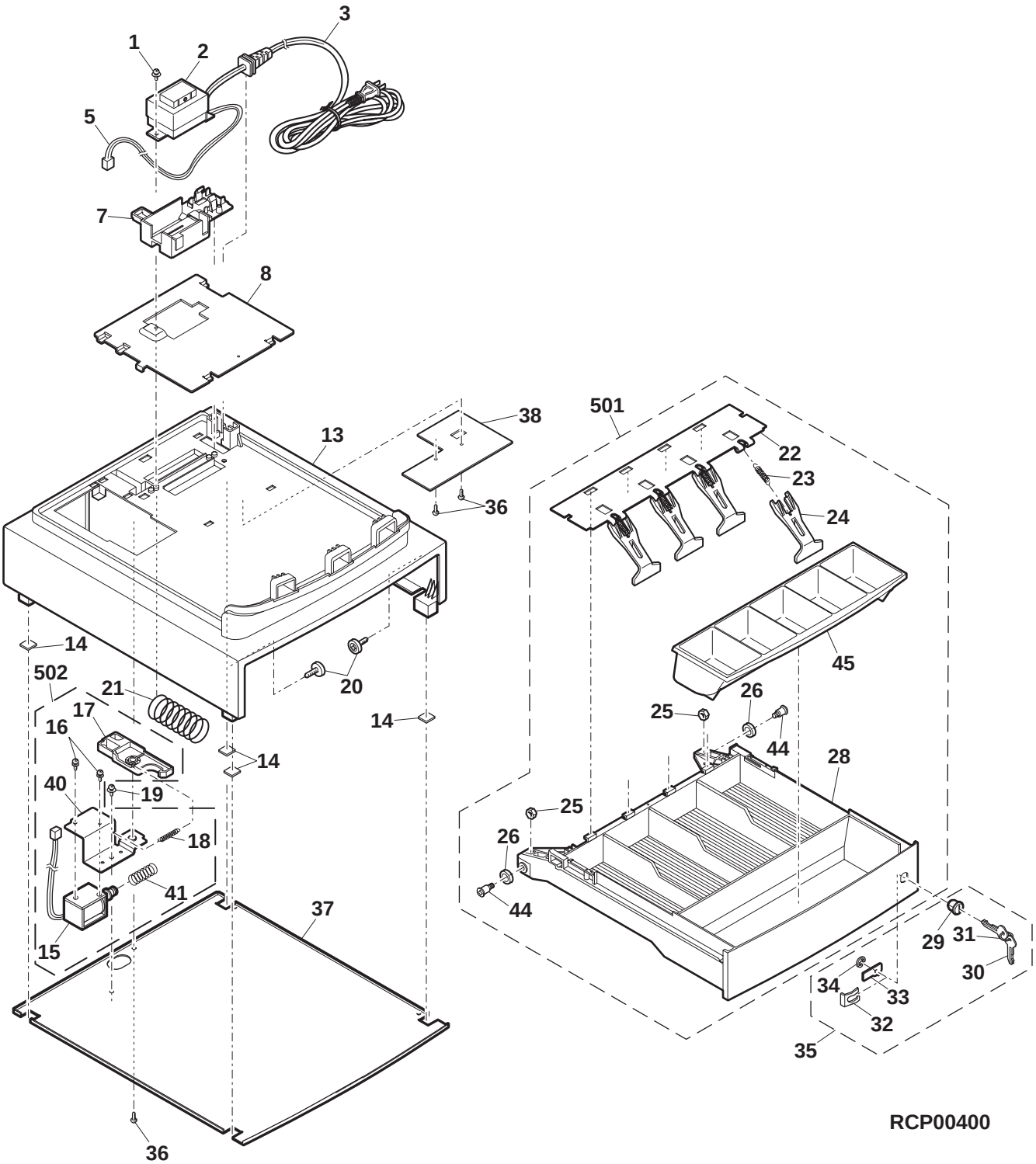
1 Exteriors



2 Drawer box unit(SK1-1 type)

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
1	XJPSD30P10X00	AC		C	Screw (3×10X) [TRANS]
⚠ 2	RTRNP2426BHZZ	AX	N	B	POWER TRANS (U)
⚠ 3	QACCD1010CCN1	AP		B	AC cord
5	QCNW−3152BHZZ	AH	N	C	PS CABLE
7	GCŌVH2525BHZZ	AG	N	D	TRANS COVER (GRAY(PB-N8.0))
8	LPLTM2366BHZZ	AM	N	C	EARTH PLATE
13	GCABM2568BHZZ	BE	N	D	DRAWER CABINET (PB-N8.0)
14	PSHEP6826BHZZ	AE		C	Gum sheet
15	RPLU−6644BHZA	AX	N	B	SOLENOID
16	LX−BZ6775BHZZ	AA		C	Screw (3×5)
17	MLEVF2338BHZZ	AF	N	C	LOCK LEVER
18	MSPRT6742BHZZ	AD		C	Open spring
19	XBPSD40P06K00	AA		C	Screw (4×6K)
20	NRŌLP6657BHZZ	AN		C	Roller
21	MSPRC6743BHZZ	AG		C	Push out spring
22	LBRC−2002BHZZ	AN	N	C	BRACKET (4B)
23	MLEVF6699BHSA	AF	N	C	BILL LEVER
24	MSPRT6731BHZZ	AD		C	Bill spring
25	XNESD60−50000	AA		C	Nut (M6)
26	NRŌLP6655BHZA	AF		C	Roller
28	GCAS−2333BHZZ	BA	N	D	MONEY CASE (4B GRAY)
29	LKGiW7330BHZZ	AY		B	Lock key (body)
30	LKGiM7331BHZZ	AE		B	Lock key (1pc)
31	PRNGT6637BHZZ	AA		C	Key ring
32	MSPRK6718BHZZ	AF		C	Lock key spring
33	MCAMM6633BHZA	AE		C	Lock cam
34	XRESJ50−06000	AA		C	E type ring (5mm)
35	DUNT−1306BHZA	AX		E	Lock key unit
36	XEBSD30P08000	AA		C	Screw (3×8)
37	LPLTM2367BHZZ	AW	N	C	BOTTOM PLATE
38	LPLTM2372BHZZ	AQ	N	C	BALANCE PLATE
40	LANGK2905BHZZ	AN	N	C	LOCK ANGLE
41	MSPRC6748BHZZ	AD		C	Plunger spring
44	NSFTA6655BHZZ	AE		C	Roller shaft
45	GCAS−2335BHZZ	AU	N	D	COIN CASE (5C GRAY)
501	CCAS−2333BHZZ	BF	N	E	MONEY CASE UNIT (4B/5C GRAY)
502	CLŌK−6673BHZZ	BA	N	E	LOCK UNIT
	(Unit)				
901	GBŌXD7157BHZZ	BT	N	E	DRAWER BOX (4B/5C GRAY) [except No.1~8]

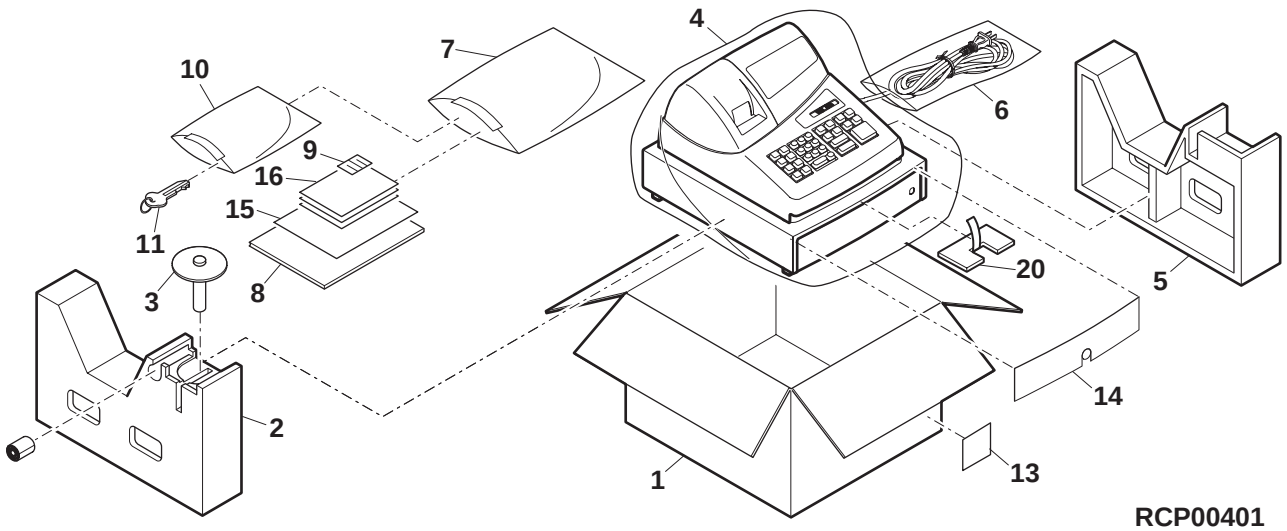
2 Drawer box unit(SK1-1 type)



3 Packing material & Accessories

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION	
1	SPAKC3176BHZZ	BC	N	D	PACKING CASE	(U.S.A)
	SPAKC3176BHSA	BC	N	D	PACKING CASE	(CANADA)
2	SPAKA3175BHZL	AX	N	D	PACKING ADD L	
3	UREL-6629BHZZ	AN		C	Spool	
4	PSHEP6828BHZZ	AF	N	D	Packing sheet	
5	SPAKA3175BHZR	AX	N	D	PACKING ADD R	
6	SSAKH4231CCZZ	AA		D	Vinyl bag (140×500mm)	
7	SSAKH3015CCZZ	AA		D	Vinyl bag (200×300mm)	
8	TiNSE2457BHZZ	AR	N	D	INST BOOK	(U.S.A)
	TiNSS2458BHZZ	AR	N	D	INST BOOK (S)	(U.S.A)
	TiNSE2464BHZZ	AR	N	D	INST BOOK (E)	(CANADA)
	TiNSF2465BHZZ	AR	N	D	INST BOOK (F)	(CANADA)
9	TCAUZ6681BHZZ	AD		D	Battery caution label	
10	SSAKH3012CCZZ	AA		D	Vinyl bag (80×120mm)	
11	LKGiM7331BHZZ	AE		B	Lock key (1pc)	
13	TLABR2549BHZZ	AG	N	D	BAR CODE LABEL	(U.S.A)
	TLABR2550BHZZ	AG	N	D	BAR CODE LABEL	(CANADA)
14	TLABZ2548BHZZ	AL	N	D	POP LABEL	(U.S.A)
	TLABZ2548BHSA	AL	N	D	POP LABEL	(CANADA)
15	TGANE6644BHSC	AE		D	WARRANT CARD	(CANADA)
16	TCADH2395BHZZ	AQ	N	D	SET UP GUIDE	(U.S.A)
	TCADH2402BHZZ	AQ	N	D	SET UP GUIDE(E)	(CANADA)
	TCADH2403BHZZ	AQ	N	D	SET UP GUIDE(F)	(CANADA)
20	SPAKA8339BHZZ	AC		D	Paper pad	

3 Packing material & Accessories



4 Main PWB unit

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION	
1	LANGK2904BHZZ	AH	N	C	HEAT SINK	[IC1]
2	QCNCM1060AC03	AB		C	Connector (Short Pin 3P)	[SP1]
3	QCNCM1101BHZZ	AC		C	Connector (5273-2)(2P)	[CN1]
4	QCNCM6865BH0B	AB		C	Connector (5267-02A)	[CN4]
5	QCNCM7057BHZZ	AB		C	Connector (5045-3)(3pin)	[CN3]
6	QCNCW1057ACZZ	AB		C	Connector (Short socket)	[SP1]
7	QCNCW2908BHZZ	AG	N	C	CONNECTOR (5229-05APB)	[KCN3]
8	QCNCW2943BHZZ	AF	N	C	K/B CONNECTOR (5597-09CPB)	[KCN1]
9	QCNCW2942BHZZ	AF	N	C	K/B CONNECTOR (52045-1045)	[KCN2]
10	QCNCW6882BH0H	AF		C	Connector (52011-0810)	[CN5]
11	QCNCW7081BHZZ	AB		C	Connector (2P)(5267-02A)(Blue)	[CN2]
12	QCNW-3155BHZZ	AH	N	C	PRINTER I/F CABLE (8P)	[CON3-CON3A]
13	QCNW-3181BHZZ	AF	N	C	GND WIRE (G6-G8-G10-G12)	[G6-G8-G10-G12]
⚠ 14	QFS-H0002QCZZ	AF	N	A	FUSE (51S 1.25AL/125V)	[F1]
15	QFSHD2109AFZZ	AC		C	Fuse holder (HD2109AF)	[F1]

4 Main PWB unit

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION	
⚠ 16	QFS-K2005BHZZ	AF		A	FUSE (LT-5 T400mAL/250V)	[F2]
17	QSW-S2411BHZZ	AK	N	B	SLIDE SWITCH (JSS2601CS)	[SW1]
18	RALMB5006SCZZ	AD		B	Buzzer (EFB-RD22C01)	[BZ]
19	RC-EZ0011QCZZ	AH	N	C	CAPACITOR (3300µF/25V)	[C2]
20	RC-KZ1054CCZZ	AB		C	Capacitor (50WV 0.1µF)	[C7,C11,C14,C15,C16]
21	RCRMZ6007RCZZ	AD		B	Resonator (4.19MHz)	[X2]
22	RCRSP6676RCZZ	AG		B	X-TAL (32.768KHz)	[X1]
23	RH-iX2004BHZZ	BA	N	B	CPU (uPD780023A)	[IC2]
24	VCCCPU1HH101J	AB		C	Capacitor (50WV 100pF)	[C17,C18,C19,C20,C21]
25	VCCCTV1HH180J	AA		C	Capacitor (50WV 18pF)	[C12]
26	VCCCTV1HH220J	AA		C	Capacitor (50WV 22PF)	[C13]
27	VCEAGA1CW476M	AB		C	Capacitor (16WV 47µF)	[C30 (G3-VDD JUMPER)]
	VCEAGA1CW476M	AB		C	Capacitor (16WV 47µF)	[C6]
28	VCEAGA1EW107M	AB		C	Capacitor (25WV 100µF)	[C4]
29	VCEAGA1HW226M	AB		C	Capacitor (50WV 22µF)	[C9]
30	VCEAGA1EW337M	AC		C	Capacitor (330µF/25V SD)(VCEAGD1EW337M)	[C3]
31	VCKYPU1HB332K	AA		C	Capacitor (50WV 3300pF)(VCKYPA1HB332K)	[C22,C23,C24,C25]
	VCKYPU1HB332K	AA		C	Capacitor (50WV 3300pF)(VCKYPA1HB332K)	[C29 (G3-JP1)]
32	VCKYTV1HF104Z	AA		C	Capacitor (50WV 0.10µF)	[C8]
33	VCQYNA1HM333K	AA		C	Capacitor (50WV 0.033µF)	[C1]
34	VCQYNU1HM104K	AB		C	Capacitor (50WV 0.10µF)	[C5,C10]
35	VHD1N4002G/-1	AA		B	Diode (1N4002G)	[D1,D2,D3,D4,D5,D6]
36	VHDDSS133HV-1	AA		B	Diode (DSS133HV)	[D7,D8,D9,D10,D12]
	VHDDSS133HV-1	AA		B	Diode (DSS133HV)	[D13,D14,D15,D16,D17]
	VHDDSS133HV-1	AA		B	Diode (DSS133HV)	[D18,D19,D20]
37	VHEMTZJ7R5B-1	AC	N	B	ZENER DIODE (MTZJ 7.5B)	[ZD1]
38	VHiKiD65083AP	AM		B	IC (KID65083AP)	[IC4,IC5]
39	VHiLB1268//-1	AK		B	IC (LB1268)	[IC3]
40	VHiMC7806CT-1	AG	N	B	REGULATOR IC (MCT7806CT)	[IC1]
41	VHPD5680GL2-1	AQ	N	B	LED (2 SEGMENT)(D568GWA)	[LED1,LED2,LED3,LED4]
42	VRD-RC2EY101J	AA		C	Resistor (1/4W 100Ω ±5%)	[R70]
43	VRD-RC2EY102J	AA		C	Resistor (1/4W 1.0KΩ ±5%)	[R11,R28,R29,R30]
44	VRD-RC2EY103J	AA		C	Resistor (1/4W 10KΩ ±5%)	[R31,R32,R33]
45	VRD-RC2EY105J	AA		C	Resistor (1/4W 1.0MΩ ±5%)	[R2]
46	VRD-RC2EY221J	AA		C	Resistor (1/4W 22Ω ±5%)	[R1]
47	VRD-RC2EY272J	AA		C	Resistor (1/4W 2.7KΩ ±5%)	[R10]
48	VRD-RC2EY331J	AA		C	Resistor (1/4W 330KΩ ±5%)	[R54,R56,R58,R60]
49	VRD-RC2EY471J	AA		C	Resistor (1/4W 470Ω ±5%)	[R25]
50	VRD-RC2EY473J	AA		C	Resistor (1/4W 47KΩ ±5%)	[R15,R16,R17,R18]
	VRD-RC2EY473J	AA		C	Resistor (1/4W 47KΩ ±5%)	[R19,R20,R23,R24]
51	VRD-RC2EY562J	AA		C	Resistor (1/4W 5.6KΩ ±5%)	[R4]
52	VRD-RC2EY563J	AA		C	Resistor (1/4W 56KΩ ±5%)	[R5,R12,R13]
53	VRD-RC2EY682J	AA		C	Resistor (1/4W 6.8KΩ ±5%)	[R55,R57,R59,R61]
54	VRD-RC2EY683J	AA		C	Resistor (1/4W 68KΩ ±5%)	[R3]
55	VRS-CY1JD000J	AA		C	Resistor (1/16W 0Ω ±5%)(Jumper/1608Type)	[R26]
56	VRS-CY1JD102J	AA		C	Resistor (1/16W 1.0KΩ ±5%)	[R7,R8]
57	VRS-CY1JD104J	AA		C	Resistor (1/16W 100KΩ ±5%)	[R6]
58	VRS-CY1JD472J	AA		C	Resistor (1/16W 4.7KΩ ±5%)	[R9]
59	VRS-CY1JD563J	AA		C	Resistor (1/16W 56KΩ ±5%)	[R14]
60	VRS-CY2AY111J	AA	N	C	CHIP RESISTOR (1/10W 110Ω ±5% 1608)	[R34,R35,R36,R37,R38]
	VRS-CY2AY111J	AA	N	C	CHIP RESISTOR (1/10W 110Ω ±5% 1608)	[R39,R40,R41,R42,R43]
	VRS-CY2AY111J	AA	N	C	CHIP RESISTOR (1/10W 110Ω ±5% 1608)	[R44,R45,R46,R47,R48]
	VRS-CY2AY111J	AA	N	C	CHIP RESISTOR (1/10W 110Ω ±5% 1608)	[R49]
61	VS2SC3198-/-1	AL		B	Transistor (2SC3198)	[Q3]
62	VS2SD2170//-1	AH		B	Transistor (2SD2170)	[Q1,Q2]
63	VSKTA1271//-1	AE		B	Transistor (KTA1271)(VS2SA1271-/-1)	[Q6,Q7,Q8,Q9]
64	XBBSD30P06000	AA		C	Screw (3×6)	[IC1]
	(Unit)					
901	CPWBF2915BH01	BP	N	E	MAIN PWB UNIT	

5 Slide SW I/F PWB unit

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
1	QCNCW2908BHZZ	AG	N	C	SW CONNECTOR (5229-05APB)
	(Unit)				
901	CPWBF2916BH01	AV	N	E	SLIDE SW I/F PWB UNIT

6 Articles for consumption

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
1	DPAPR1025CSZZ	AV		S	Roll paper (5 rolls/pack)
2	NRÖLR1022CC05	BA		S	Ink roller

■ Index

PARTS CODE	NO.	PRICE RANK	NEW MARK	PART RANK	
【C】					
CCAS-2333BHZZ	2-501	BF	N	E	
CKNBZ2427BHZZ	1- 37	BD	N	C	
CLŌK-6673BHZZ	2-502	BA	N	E	
CPWBF2915BH01	1- 22	BP	N	E	
〃	4-901	BP	N	E	
CPWBF2916BH01	1- 27	AV	N	E	
〃	5-901	AV	N	E	
CSHEP2942BHZZ	1- 34	AZ	N	B	
【D】					
DPAPR1025CSZZ	6- 1	AV		S	
DUNT-1306BHZA	2- 35	AX		E	
【G】					
GBŌXD7157BHZZ	2-901	BT	N	E	
GCABB2567BHZZ	1- 4	BD	N	D	
GCABM2568BHZZ	2- 13	BE	N	D	
GCAS-2333BHZZ	2- 28	BA	N	D	
GCAS-2335BHZZ	2- 45	AU	N	D	
GCŌVB2523BHZZ	1- 1	AS	N	D	
GCŌVB2524BHZZ	1- 16	AS	N	D	
GCŌVH2525BHZZ	2- 7	AG	N	D	
GFTAB2445BHZZ	1- 9	AG	N	D	
【H】					
HDECP2370BHZZ	1- 8	AM	N	D	
【J】					
JKNBZ2428BHZZ	1- 24	AE	N	C	
【K】					
Ki-ŌB6774BHZZ	1- 14	BE		E	
Ki-ŌK2369BHZZ	1- 26	BF	N	E	
【L】					
LANGK2904BHZZ	1- 28	AH	N	C	
〃	4- 1	AH	N	C	
LANGK2905BHZZ	2- 40	AN	N	C	
LBRC-2002BHZZ	2- 22	AN	N	C	
LFRM-2365BHZZ	1- 32	AW	N	D	
LHLDZ2388BHZZ	1- 18	AE	N	C	
LKGiM7331BHZZ	2- 30	AE		B	
〃	3- 11	AE		B	
LKGiW7330BHZZ	2- 29	AY		B	
LPLTM2365BHZZ	1- 35	AV	N	C	
LPLTM2366BHZZ	2- 8	AM	N	C	
LPLTM2367BHZZ	2- 37	AW	N	C	
LPLTM2372BHZZ	2- 38	AQ	N	C	
LX-BZ6775BHZZ	2- 16	AA		C	
【M】					
MCAMM6633BHZA	2- 33	AE		C	
MLEVF2338BHZZ	2- 17	AF	N	C	
MLEVF6699BHSA	2- 23	AF	N	C	
MSPRC6743BHZZ	2- 21	AG		C	
MSPRC6748BHZZ	2- 41	AD		C	
MSPRK6718BHZZ	2- 32	AF		C	
MSPRT6731BHZZ	2- 24	AD		C	
MSPRT6742BHZZ	2- 18	AD		C	
【N】					
NRŌLP6655BHZA	2- 26	AF		C	
NRŌLP6657BHZZ	2- 20	AN		C	
NRŌLR1022CC05	6- 2	BA		S	
NSFTA6655BHZZ	2- 44	AE		C	
【P】					
PCUT-6652BHZZ	1- 2	AF		C	
PFiLW2010BHZZ	1- 7	AP	N	D	
PGiDH2403BHZZ	1- 6	AG	N	C	
PGUMM2445BHZZ	1- 33	AY	N	C	
PGUMM2446BHZZ	1- 19	AC	N	C	
PRNGT6637BHZZ	2- 31	AA		C	
PSHEP6826BHZZ	2- 14	AE		C	
PSHEP6828BHZZ	3- 4	AF	N	D	
【Q】					
QACCD1010CCN1	2- 3	AP		B	
QCNCM1060AC03	4- 2	AB		C	
QCNCM1101BHZZ	4- 3	AC		C	
QCNCM6865BH0B	4- 4	AB		C	
QCNCM7057BHZZ	4- 5	AB		C	
QCNCW1057ACZZ	4- 6	AB		C	
QCNCW2908BHZZ	4- 7	AG	N	C	
〃	5- 1	AG	N	C	
QCNCW2942BHZZ	4- 9	AF	N	C	
QCNCW2943BHZZ	4- 8	AF	N	C	
QCNCW6882BH0H	1- 40	AF		C	

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QCNCW6882BH0H	4- 10	AF		C	
QCNCW7081BHZZ	4- 11	AB		C	
QCNW-3152BHZZ	2- 5	AH	N	C	
QCNW-3153BHZZ	1- 21	AF	N	C	
QCNW-3154BHZZ	1- 38	AF	N	C	
QCNW-3155BHZZ	4- 12	AH	N	C	
QCNW-3181BHZZ	4- 13	AF	N	C	
QFS-H0002QCZZ	4- 14	AF	N	A	
QFSHD2109AFZZ	4- 15	AC		C	
QFS-K2005BHZZ	4- 16	AF		A	
QSW-S2411BHZZ	4- 17	AK	N	B	
QTANZ2348BHZZ	1- 13	AF	N	C	
QTANZ2349BHZZ	1- 11	AG	N	C	
QTANZ2350BHZZ	1- 12	AG	N	C	
QTANZ2351BHZZ	1- 10	AE	N	C	
【R】					
RALMB5006SCZZ	4- 18	AD		B	
RC-EZ0011QCZZ	4- 19	AH	N	C	
RC-KZ1054CCZZ	4- 20	AB		C	
RCRMZ6007RCZZ	4- 21	AD		B	
RCRSP6676RCZZ	4- 22	AG		B	
RH-iX2004BHZZ	4- 23	BA	N	B	
RMŌTM2321BHZZ	1- 20	AS	N	B	
RPLU-6644BHZA	2- 15	AX	N	B	
RTRNP2426BHZZ	2- 2	AX	N	B	
【S】					
SPAKA3175BHZL	3- 2	AX	N	D	
SPAKA3175BHZR	3- 5	AX	N	D	
SPAKA8339BHZZ	3- 20	AC		D	
SPAKC3176BHSA	3- 1	BC	N	D	
SPAKC3176BHZZ	3- 1	BC	N	D	
SSAKH3012CCZZ	3- 10	AA		D	
SSAKH3015CCZZ	3- 7	AA		D	
SSAKH4231CCZZ	3- 6	AA		D	
【T】					
TCADH2395BHZZ	3- 16	AQ	N	D	
TCADH2402BHZZ	3- 16	AQ	N	D	
TCADH2403BHZZ	3- 16	AQ	N	D	
TCAUZ6681BHZZ	3- 9	AD		D	
TGANE6644BHSC	3- 15	AE		D	
TiNSE2457BHZZ	3- 8	AR	N	D	
TiNSE2464BHZZ	3- 8	AR	N	D	
TiNSF2465BHZZ	3- 8	AR	N	D	
TiNSS2458BHZZ	3- 8	AR	N	D	
TLABR2549BHZZ	3- 13	AG	N	D	
TLABR2550BHZZ	3- 13	AG	N	D	
TLABZ2548BHSA	3- 14	AL	N	D	
TLABZ2548BHZZ	3- 14	AL	N	D	
【U】					
UREL-6629BHZZ	3- 3	AN		C	
【V】					
VCCCPU1HH101J	4- 24	AB		C	
VCCCTV1HH180J	4- 25	AA		C	
VCCCTV1HH220J	4- 26	AA		C	
VCEAGA1CW476M	4- 27	AB		C	
VCEAGA1EW107M	4- 28	AB		C	
VCEAGA1EW337M	4- 30	AC		C	
VCEAGA1HW226M	4- 29	AB		C	
VCKYPU1HB332K	4- 31	AA		C	
VCKYTV1HF104Z	4- 32	AA		C	
VCQYNA1HM333K	4- 33	AA		C	
VCQYNU1HM104K	4- 34	AB		C	
VHD1N4002G/-1	4- 35	AA		B	
VHDDSS133HV-1	4- 36	AA		B	
VHEMTZJ7R5B-1	4- 37	AC	N	B	
VHiKiD65083AP	4- 38	AM		B	
VHiLB1268//-1	4- 39	AK		B	
VHiMC7806CT-1	4- 40	AG	N	B	
VHPD5680GL2-1	4- 41	AQ	N	B	
VRD-RC2EY101J	4- 42	AA		C	
VRD-RC2EY102J	4- 43	AA		C	
VRD-RC2EY103J	4- 44	AA		C	
VRD-RC2EY105J	4- 45	AA		C	
VRD-RC2EY221J	4- 46	AA		C	
VRD-RC2EY272J	4- 47	AA		C	
VRD-RC2EY331J	4- 48	AA		C	
VRD-RC2EY471J	4- 49	AA		C	
VRD-RC2EY473J	4- 50	AA		C	
VRD-RC2EY562J	4- 51	AA		C	
VRD-RC2EY563J	4- 52	AA		C	
VRD-RC2EY682J	4- 53	AA		C	

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VRD-RC2EY683J	4- 54	AA		C	
VRS-CY1JD000J	4- 55	AA		C	
VRS-CY1JD102J	4- 56	AA		C	
VRS-CY1JD104J	4- 57	AA		C	
VRS-CY1JD472J	4- 58	AA		C	
VRS-CY1JD563J	4- 59	AA		C	
VRS-CY2AY111J	4- 60	AA	N	C	
VS2SC3198-/-1	4- 61	AL		B	
VS2SD2170//-1	4- 62	AH		B	
VSKTA1271//-1	4- 63	AE		B	
【X】					
XBBSD30P06000	1- 25	AA		C	
〃	4- 64	AA		C	
XBPSD26P04000	1- 17	AA		C	
XBPSD40P06K00	2- 19	AA		C	
XEBSD30P08000	1- 15	AA		C	
〃	2- 36	AA		C	
XJBSD20P04000	1- 3	AA		C	
XJPSD30P06000	1- 36	AA		C	
XJPSD30P10X00	1- 5	AC		C	
〃	2- 1	AC		C	
XNESD60-50000	2- 25	AA		C	
XRESJ50-06000	2- 34	AA		C	

PARTS CODE	NO.	PRICE RANK	NEW MARK	PART RANK	

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