Calibration

(1) Remove the front label, and confirm that the Range switch is set at the OFF position.

(2) Remove the Battery Compartment Cover and remove the Batteries.

(3)Untighten the two Front Panel-fixing screws <31> and remove Front Panel <14> from Bottom Case <19>.

(4) Connect the Power supply at the battery contacts (be careful the polarity) .

Adjust Zero

a. Set the range switch at the '∼400A' position.

b. Connect the wires according to the figure 2. Set the indication of the voltmeter to 0.0000V by turning the VR4.

c. Confirm that the indication of the LCD is '00.0A'.

d. Press the SW2 to select the Peak mode.

e. Connect the wires according to the figure 2. Set the indication of the voltmeter to 0.0000V by turning the VR3.

f. Confirm that the indication of the LCD is '00.0A' when press the sw3.

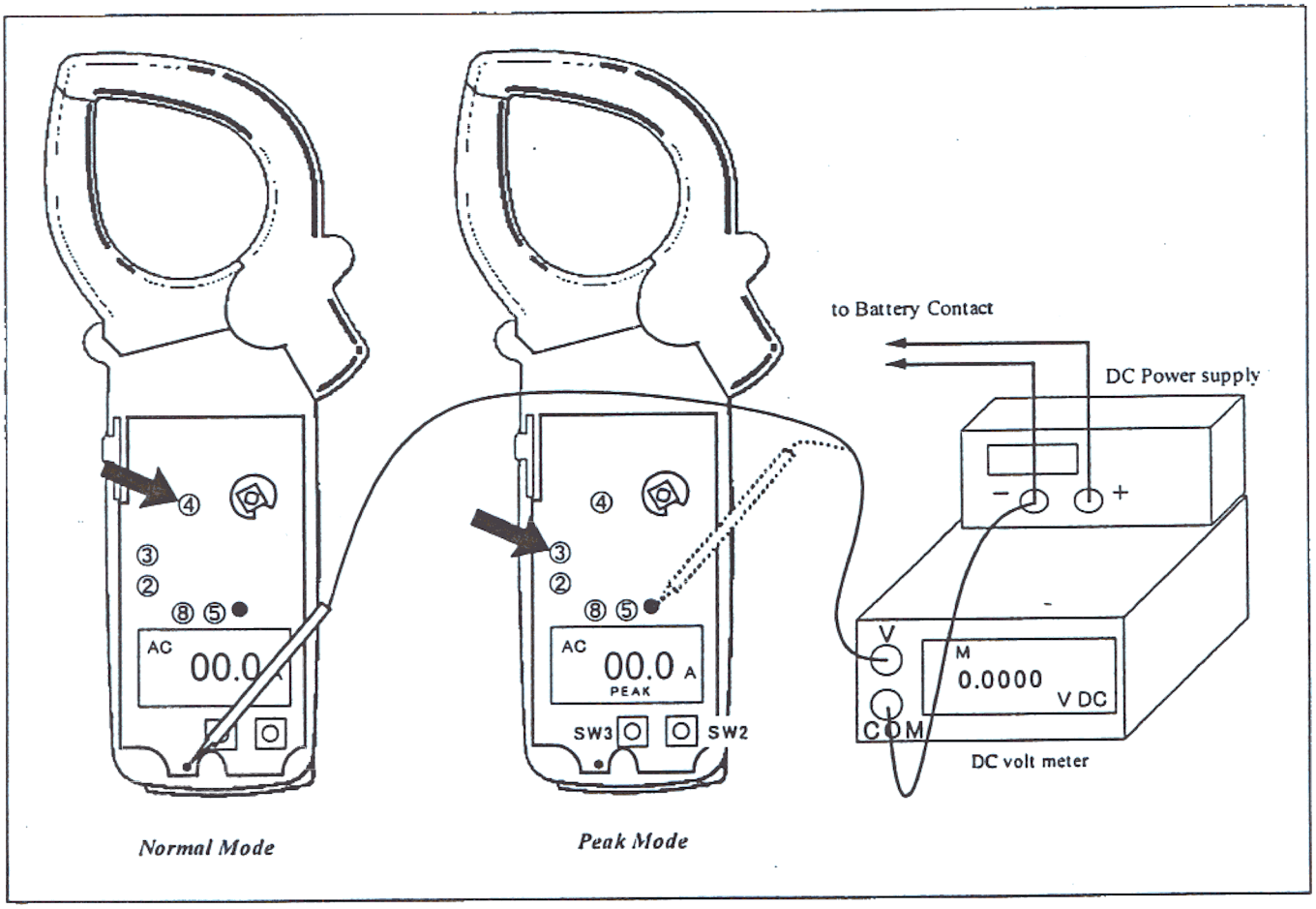


Figure 2. Zero Adjust

(6) Remove DC Power supply.
(7) Put Wrist Strap<25> on Bottom Case <19>.
(8) Put Front Panel <14> on Bottom Case <19> and tighten the two Front Panel-fixing screws <31>
(9) Connect that Range switch position is "OFF" .
(10) Connect the Power supply at the battery contacts (be careful the polarity) .
(11) Calibrate sensitivity according to the following procedure.

Calibrate Sensitivity

a. Set the range switch at the '~400A' position.
b. Connect the wires according to the figure 3. Generate the AC current 300A/50Hz. And calibrate the indication value of the LCD 300.0A by turning the VR5 (rough) and VR8 (exact).
c. Press the SW2 to select the Peak mode.
d. Connect the wires according to the figure 2. Set the indication of the voltmeter to 0.0000V by turning the VR3. And generate the AC current 300A/50Hz. Set the indication of the voltmeter from 0.2999 to 0.3001V by turning the VR2.
e. Press the SW3 again, confirm that the indication of the LCD is '299.9 ~300.1A'.
f. Set the range switch at the 'OFF' position.

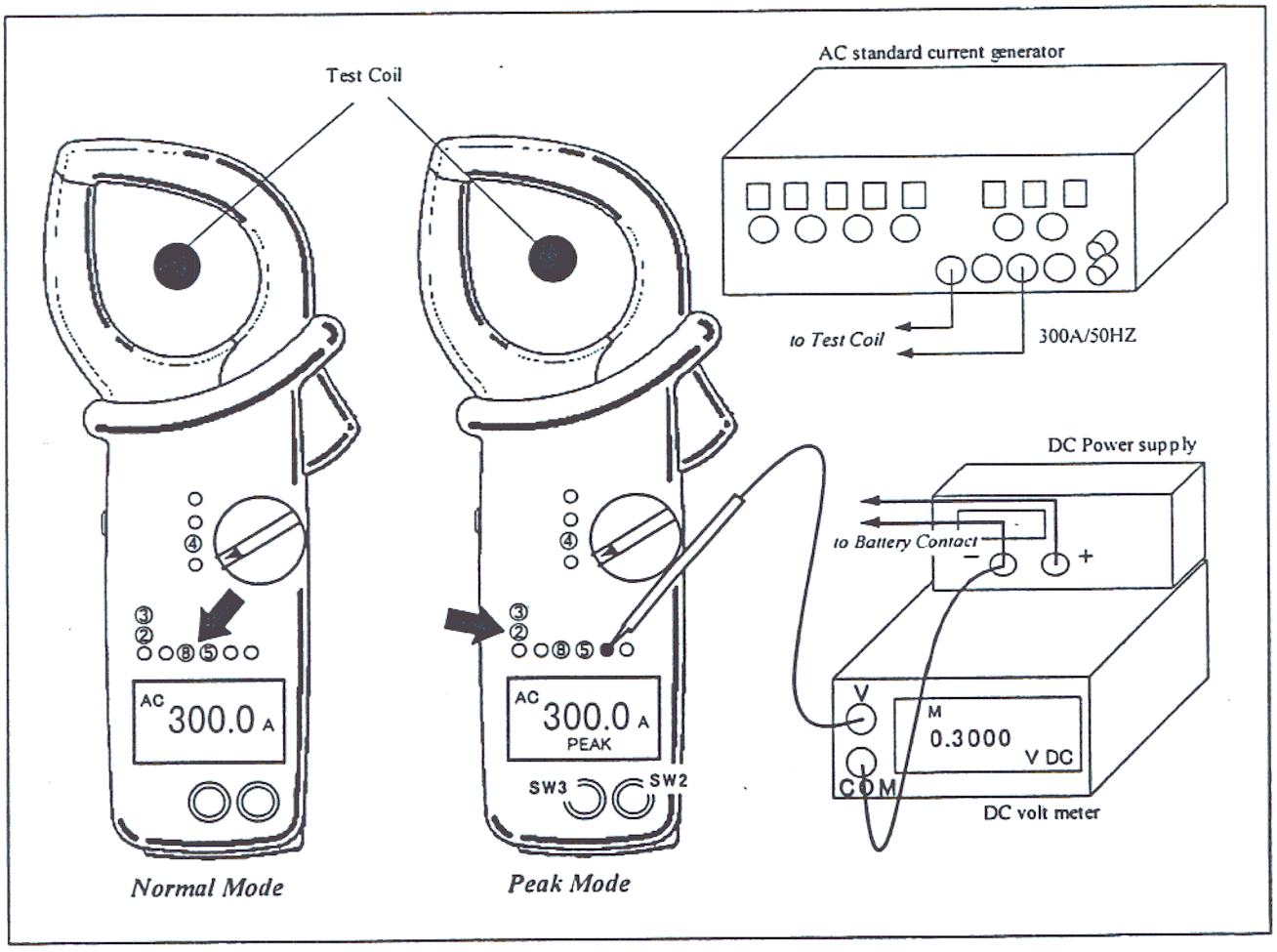


Figure 3. Calibrate Sensitivity

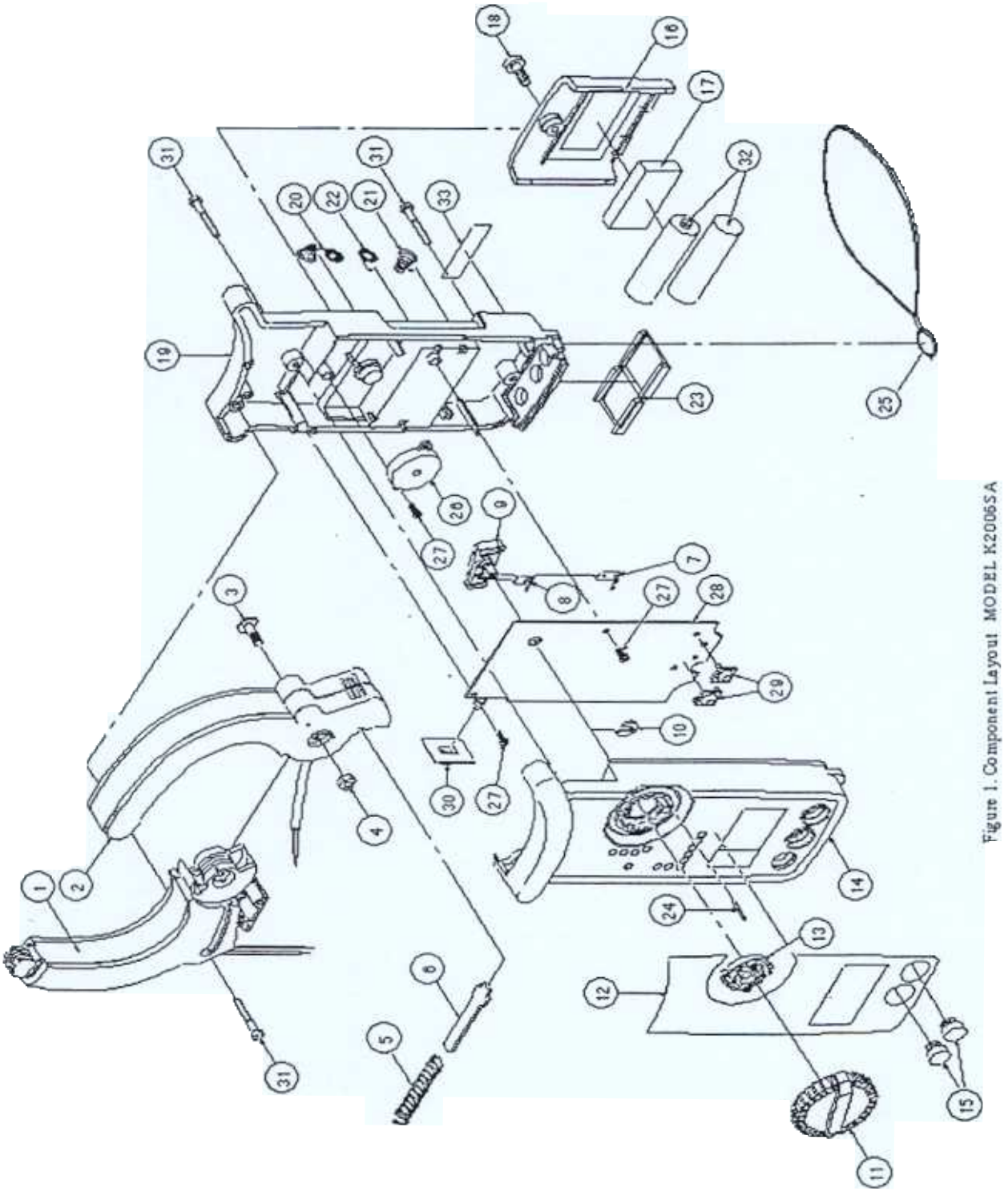


Figure 1. Component Layout MODEL K2006SA

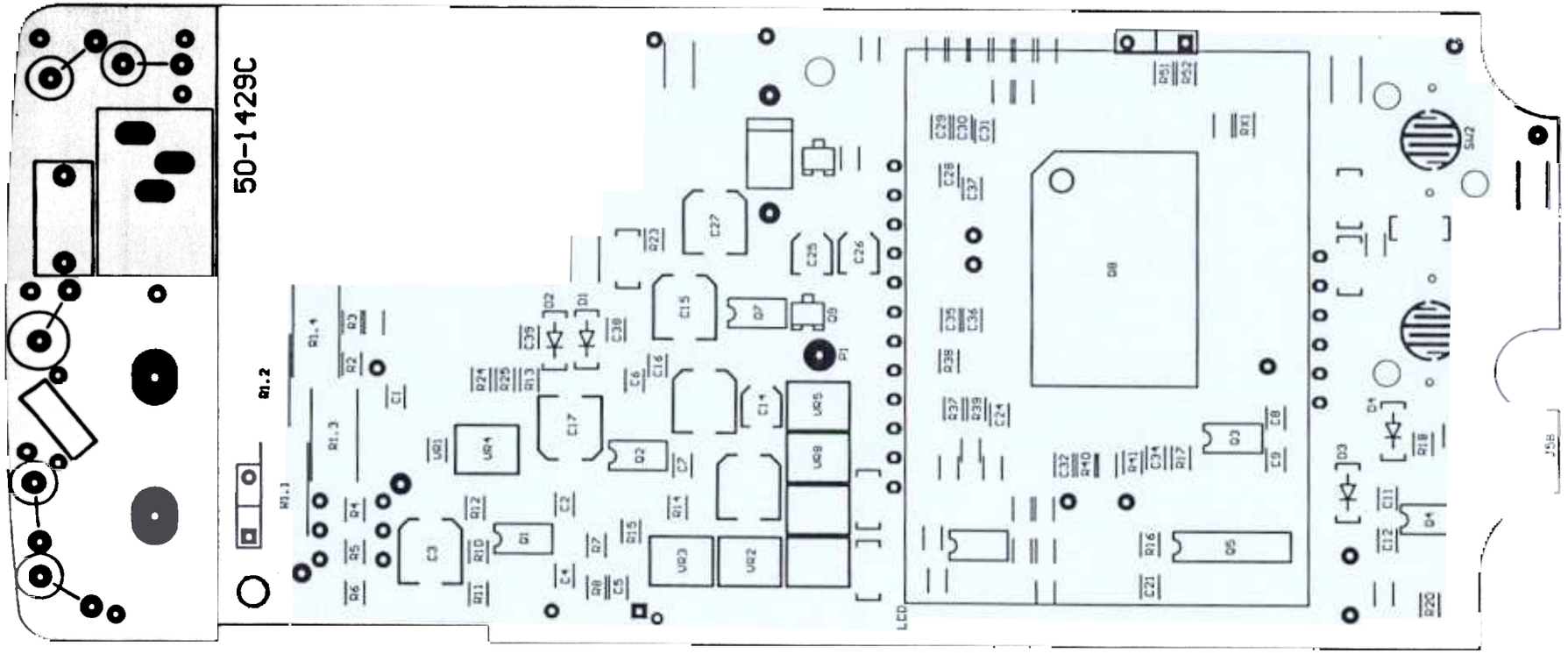
Spare Parts List

Show spare parts as follows.(Define spare parts as 2xxxxxA-x0-0x and else part.)

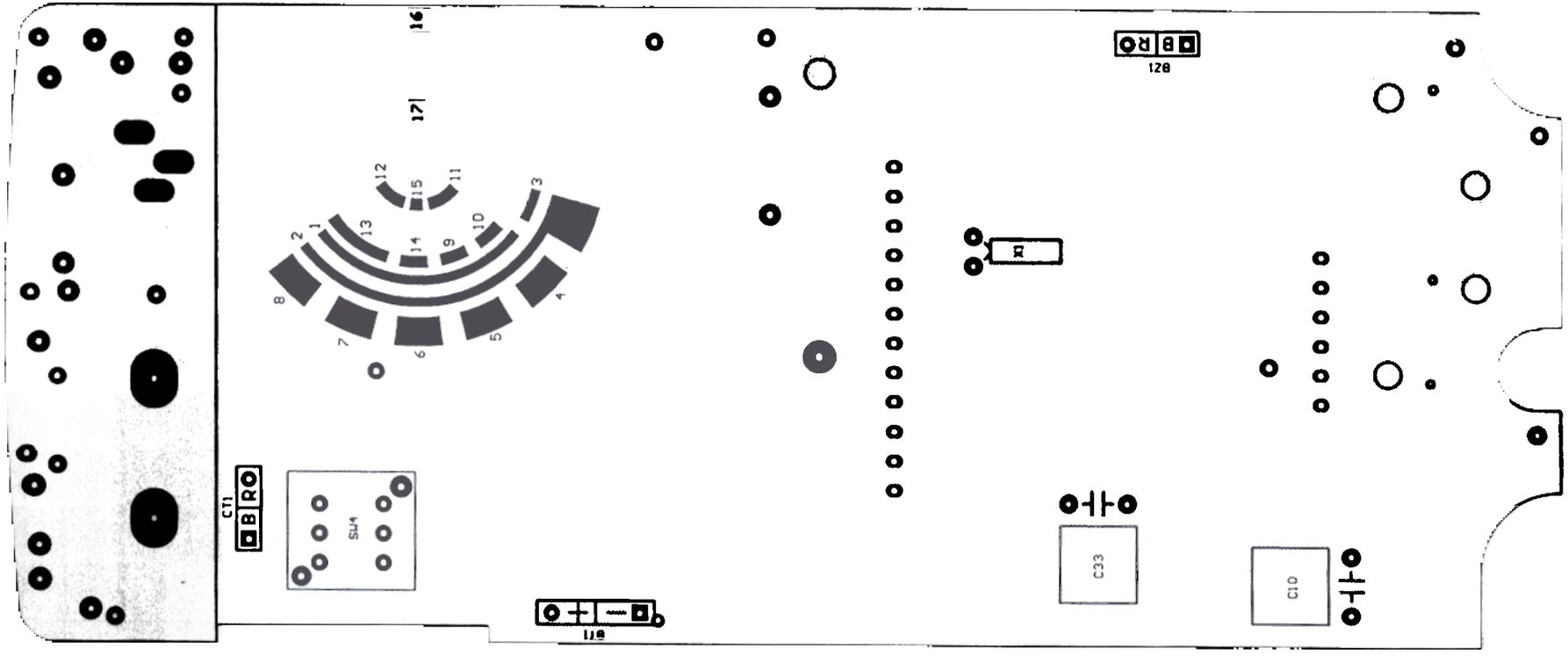
Spare Part NO.	Description	Part NO.	Note
【Transformer Jaw Assembly 219200A-10-01】			
1	Jaw Assemblies With Out Case(3)(4) M-2002PA		
2	Jaw Assemblies With Out Case(1)(2) M-2002PA		
3	Jaw Axis M-2002PA	0009389	
4	Detent Nut M4	0006544	
5	Jaw Spring M-2002	0003108	
6	Jaw Spring Holder M-2002	0006680	
【P.C.Board Assembly 208303A-20-01】			
7	Rotor M-1108NEW	0008139	
8	Rotor M-2003	0003847	
9	Switch Axis M-2017	0006829	
10	Switch Axis Holder Ring M-2017	0006831	
28	P.C.Board M-2002PA	0009365	
29	Contact Plastics BM-G	0009217	
【Front Panel Assembly 208303A-40-01】			
11	Range Switch Knob M-2003A	0009178	
12	Name Plate K2006SA	0009853	
13	Switch Lock Axis M-2017	0006830	
14	Front Panel K2006SA	0009849	
15	Push Switch Knob M-2003A	0009186	
24	Spring Pin ϕ 1.0×6	0004367	
【Bottom Case Assembly 208303A-40-02】			
16	Battery Compartment Cover K2006SA	0009851	
17	Battery Supporter (gray) M-2413	0001613	
18	Screw +B M3×8	0001636	
19	Bottom Case K2006SA	0009850	
20	Battery Contact 2004(3)	0007907	
21	Battery Contact (1)+	0007905	
22	Battery Contact (2)-	0007906	
23	Shutter K2006SA	0009997	
25	Wrist Strap M-2412	0006138	
26	Buzzer FPT24L660	0008396	
27	Screw TAP+N M2.3×6P	0009411	
【Battery Compartment Cover Assembly 208303A-40-03】			
16	Battery Compartment Cover K2006SA	0009851	
17	Battery Supporter (gray) M-2413	0001613	
18	Screw +B M3×8	0001636	
【Else】			
18	Screw +B M3×8	0001636	
27	Screw TAP+N M2.3×6P	0009411	
30	Push Button M-2017	0006709	
31	Screw TAP+N M3×25P	0006541	
32	Battery SUM-3 T-2	0001934	
33	Serial No. Seal (No JAPAN)	0004040	
	Instruction Manual K2006SA	0009855	
	Individual Box for K2006SA	0009854	
	Carrying Case M-9098	0009719	

TITLE	Part List MODEL K2006SA	Document Number	00-2026

SYM.	Description Spec.		Type Designation	QTY
C1	Multi-layer Ceramic Cap.	0.022μF50VK	MCH215C223KK	1
C2,4,6,7,8,9,11,12,16,21,34,35,36,37	Multi-layer Ceramic Cap.	0.01μF50VK	MCH215C103KK	14
C3,15,17,27	Electrolytic Cap.	33μF10V	MV10VC33ME55	4
C5,32	Multi-layer Ceramic Cap.	0.1μF25VK	MCH212C104KP	2
C10,33	Film Cap.	0.1μF63V	EROMKT0.1μF63V	2
C14	Electrolytic Cap.	10μF16V	MV16VC10MB55	1
C24,38,39	Multi-layer Ceramic Cap.	0.22μF25VZ	MCH212F224ZK	3
C25,26	Electrolytic Cap.	2.2μF50V	50REV 2R2	2
C28	Multi-layer Ceramic Cap.	0.47μF25VZ	MCH212F474ZP	1
C29,30,31	Multi-layer Ceramic Cap.	0.047μF50VK	MCH215C473KP	3
R1-1~1.4	Resistor	1WJ 20Ω	RK73K3ATEJ 20Ω	4
R2	Resistor	1/10WD 27kΩ	RK73H2ATDD 27kΩ	1
R3	Resistor	1/10WD 3kΩ	RK73H2ATDD 3kΩ	1
R4	Resistor	1/10WF 10kΩ	RK73H2ATDF 10kΩ	1
R5	Resistor	1/10WJ 2.2MΩ	RK73M2ATDJ 2.2MΩ	1
R6	Resistor	1/10WF 2.4kΩ	RK73H2ATDF 2.4kΩ	1
R7,10,11	Resistor	1/10WF 1.8kΩ	RK73H2ATDF 1.8kΩ	3
R8	Resistor	1/10WF 200kΩ	RK73H2ATDF 200kΩ	1
R12,13,14,15,17	Resistor	1/10WF 100kΩ	RK73H2ATDF100kΩ	5
R16	Resistor	1/10WF 47kΩ	RK73H2ATDF 47kΩ	1
R18	Resistor	1/10WF 20kΩ	RK73H2ATDF 20kΩ	1
R,23,51,52	Resistor	1/10WF 100Ω	RK73H2ATDF 100Ω	3
R21	Resistor	1/10WF 1MΩ	RK73H2ATDF 1MΩ	1
R20,24,25	Resistor	1/10WF 1kΩ	RK73H2ATDF 1kΩ	3
R37	Resistor	1/10WF 82kΩ	RK73H2ATDF 82kΩ	1
R38	Resistor	1/10WF 22kΩ	RK73H2ATDF 22kΩ	1
R39	Resistor	1/10WF 120kΩ	RK73H2ATDF 120kΩ	1
R40	Resistor	1/10WD 390kΩ	RK73H2ATDD 390kΩ	1
R41	Resistor	1/10WD 39kΩ	RK73H2ATDD 39kΩ	1
RX1,VR1,R30	Resistor	1/10WJ 0Ω	RK73Z2ATDJ 0Ω	3
VR2,3,4,8	Potentimeter	22kΩ	MVR34HXBRN223	4
VR5	Potentimeter	470kΩ	MVR34HXBRN474	1
D1,2,3,4,5	Silicon Diode		RLS4448-TE-11	5
Q1	IC		NJM-022M TE1	1
Q2, 3	IC		AD705JR Reel	2
Q4	IC		ICL 7611DCBA	1
Q5	IC		IC BU4053BCF	1
Q7	IC		NJU 7660M	1
Q8	Microcomputer		E0C62M2F 2002PA-2	1
Q9	FET		2SJ305TE85L	1
LCD	LCD		M-2037(C5708A-02CROVER)	1
X1	Quartz Crystal Unit	32.768kHz	DS-VT-200	1
CT1	Transformer Jaw		φ0.26mm×2900T	1
BZ1	Buzzer		FPT24L660	1
BT1	Battery R6P		R6P(SUM-3)	2
SW1(1~5)	Slide Contact		M-2003	1
SW1(9~11)	Slide Contact		M-1108 NEW	1
SW2,3	Push Switch		BM-G	2
SW4	Push Switch(Shorting/Momentary)		SPPJ6-N2-LB	1



DRAWING NO.	07-1278 1/2
TITLE	Component Layout (Top Layer) MODEL K2006SA



DRAWING NO.	07-1278 2/2
TITLE	Component Layout (Bottom Layer) MODEL K2006SA