

RICOH

REPAIR MANUAL
AND
REPAIR PARTS



KR-10M

INDEX

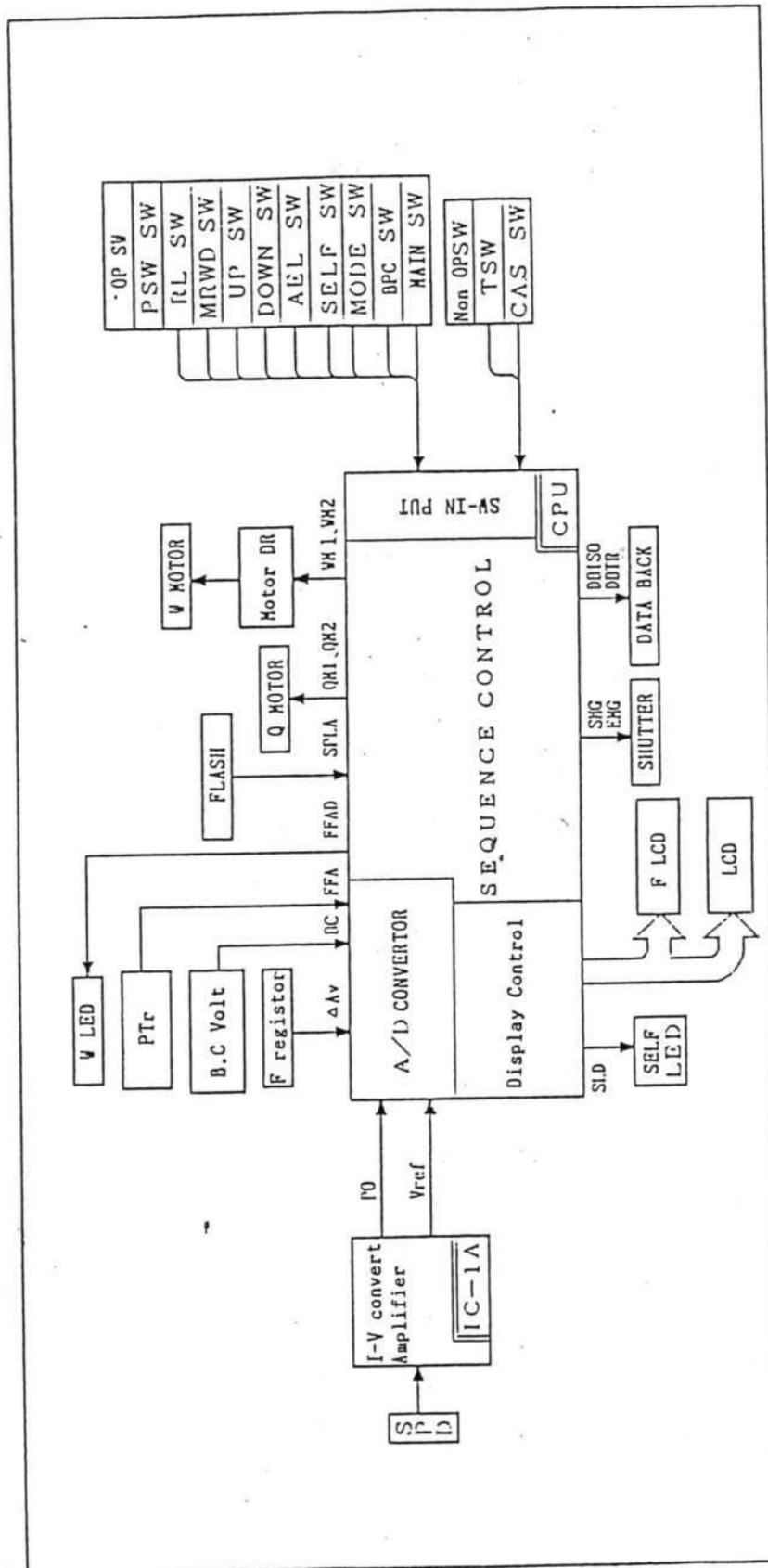
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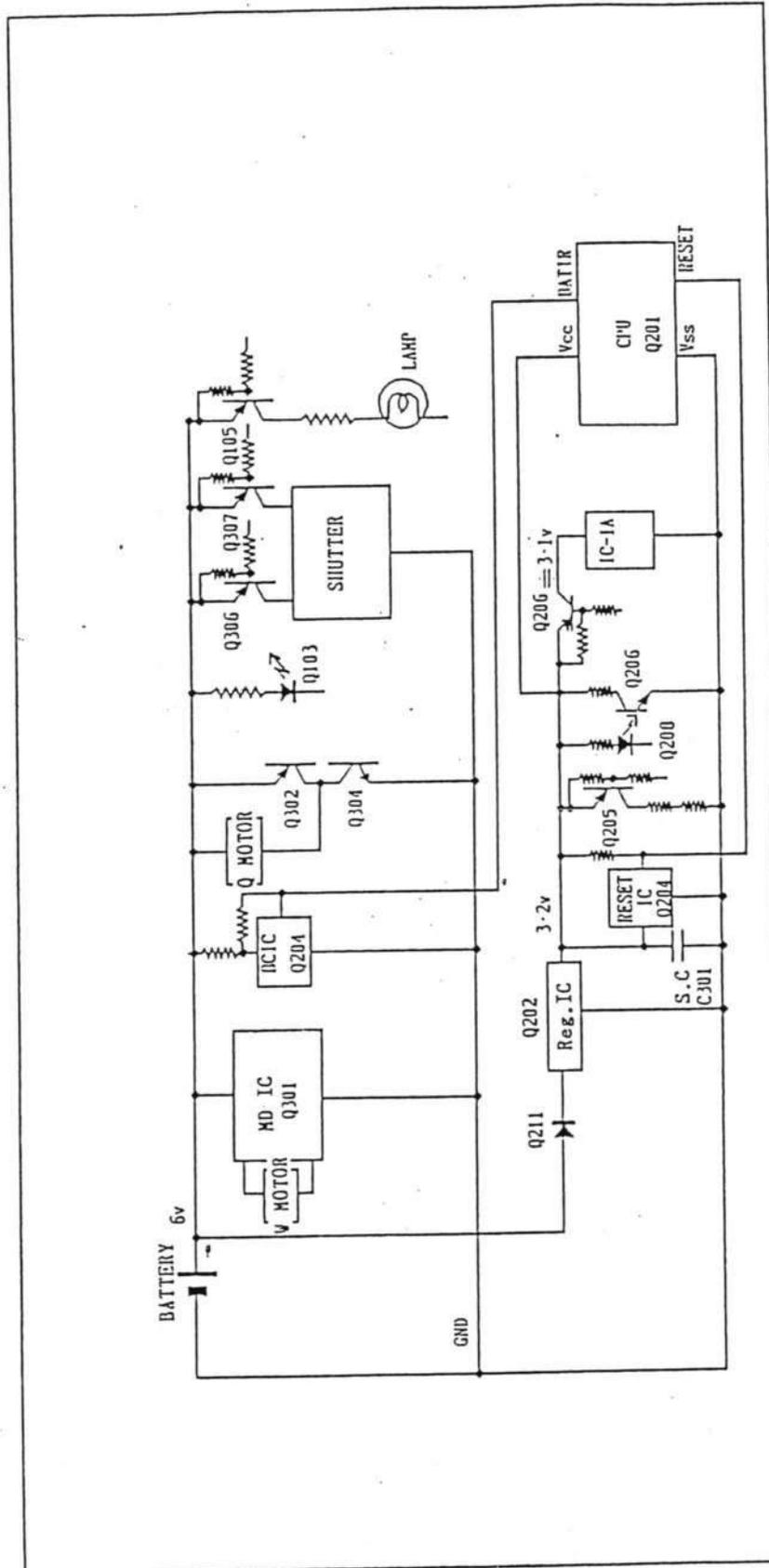
1. SPECIFICATIONS

Type	: 35mm SLR with focal plane shutter
Film Format	: 35mm film, 24×36mm
Lens Mount	: Ricoh K mount
Shutter	: Electrically controlled, vertically moving focal plane shutter Automatic: 32sec. to 1/2000sec. Manual : 16sec. to 1/2000sec.
Self-timer	: Operating time 10sec, with LED blinking
Viewfinder	: Field of view covers 91% horizontally and vertically Magnification: 0.8ox(with F1.4/50mm standard lens)
Viewfinder Display	: AE lock, exposure compensation, underexposure mark, overexposure mark, shutter speed, flash ready indicator
Focusing	: Diagonal split-image spot in microprism band
Exposure Metering system	: TTL full open metering system
Exposure Coupling Range	: EV 0~18
Film Speed	: DX auto (ISO 25~5000), ISO 100 with Non-DX film
Flash Terminal	: X synchro contact on the hot shoe
Exposure Compensation	: Exposure adjustment system (+4to-4 in 1/3 increments)
Film Loading	: Ricoh Auto-Load system. Automatic 1st frame setting
Film advance	: Automatic with a built-in motor (approx. 2frames/ sec.)
Film rewind	: Automatic reverse at the end of film. Manual rewind is possible
Back cover	: Removable
LCD Display	: shutter speed, film advance, film loaded, exposure counter, exposure compensation, multi-exposure, continuous shooting mode, Auto-bracket, Battery mark
Other Features	: Terminal for Data-Back, 30sec. timer, Remote socket
Power Source	: Four AA batteries (Ni-Cd is available)
Dimensions	: 151(W)×91(H)×56(D)mm
Weight	: 490 g (body only without battery)

2. BLOCK DIAGRAM



3. POWER SUPPLY SYSTEM DIAGRAM



4. CONSUMPTION CURRENT

Specifications: $6.5V \pm 0.5V$

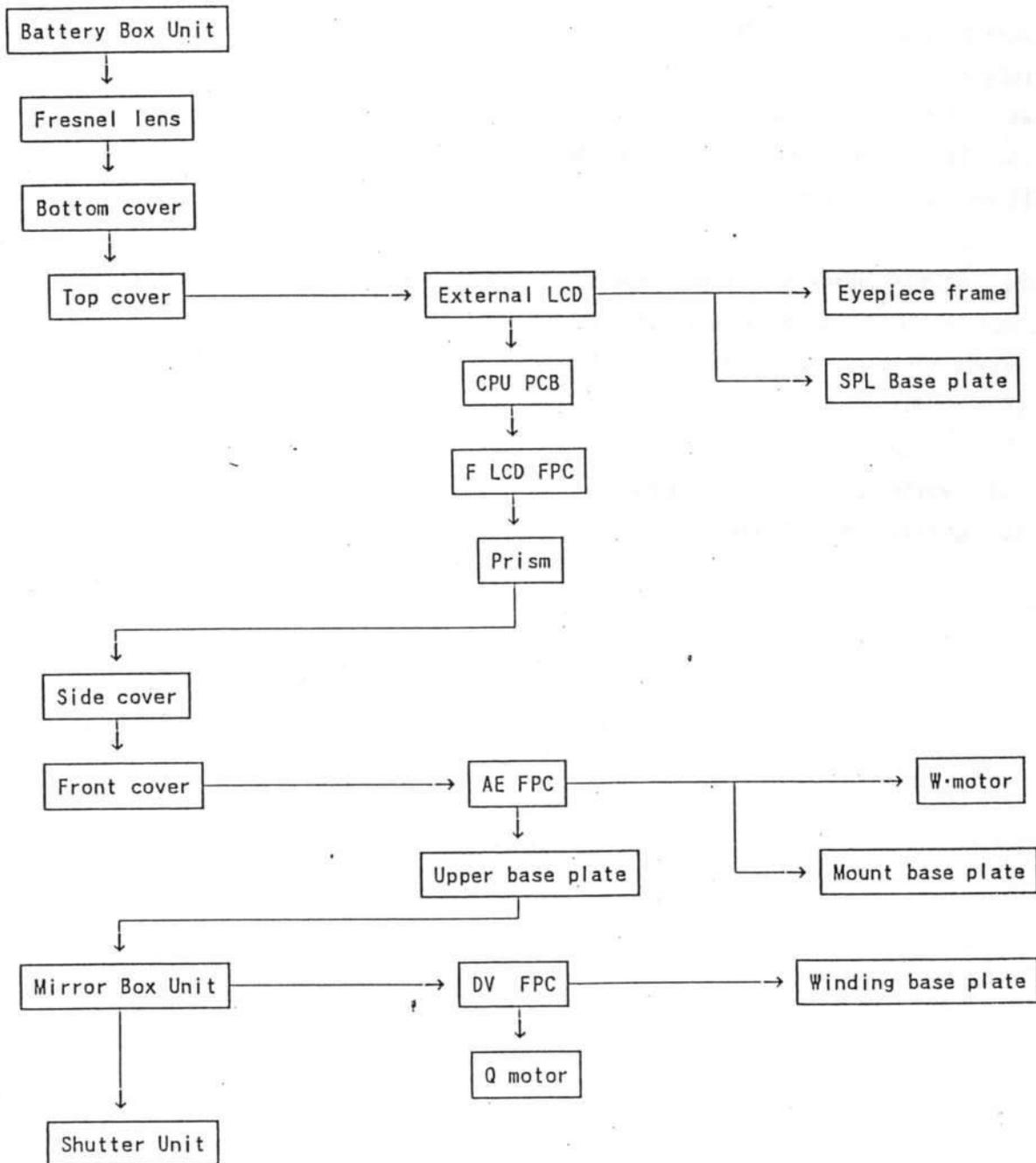
- (1) When Main SW is OFF: $30\mu A$ max
- (2) When Main SW is ON: $120\mu A$
(CPU stops)
- (3) When light is measured: $17mA$ (max $27mA$)
- (4) When light is measured: $62mA$ (max $72mA$)
(Lamp, Self LED are ON)

However, backup capacitor charge current is not contained, The following values are guidelines for consumption current and not specifications,

- (1) When Q motor is operating: $60 \pm 10mA$
(mirror up)
- (2) When Q motor (mirror down)
and W motor are operating: $0.8A$
- (3) During rewinding: $250mA$

5. DISASSEMBLING

1. FLOWCHART(MAJOR COMPONENT PARTS)



2. DISASSEMBLING

※ Please remove the Battery box before disassembling.

1. Fresnel lens (Fig.1)

(1) Take off two SCREWS (No.1) and remove the HOLDER (No.2), then remove the FRESNEL LENS (No.3) carefully.

2. Bottom cover (Fig.2)

(2) Take off eight SCREWS (No.1,2,3) and remove the BOTTOM COVER(No.4).

3. Top cover assy (Fig.3)

(1) Take off eight SCREWS (No.1~6) and remove the TOP COVER ASSY (No.7).

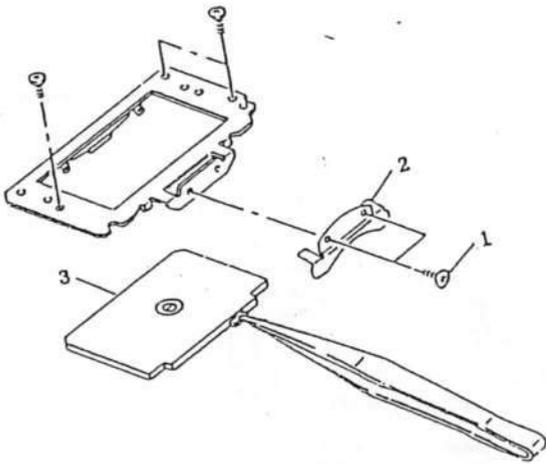


Fig.1

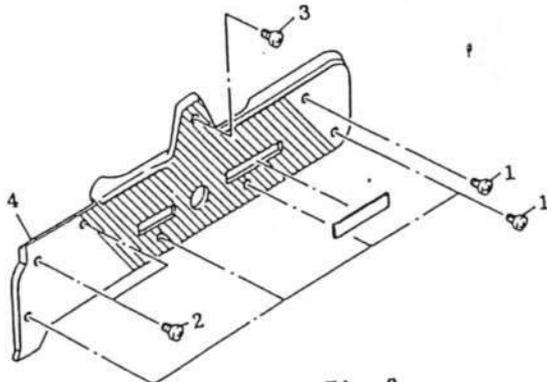


Fig.2

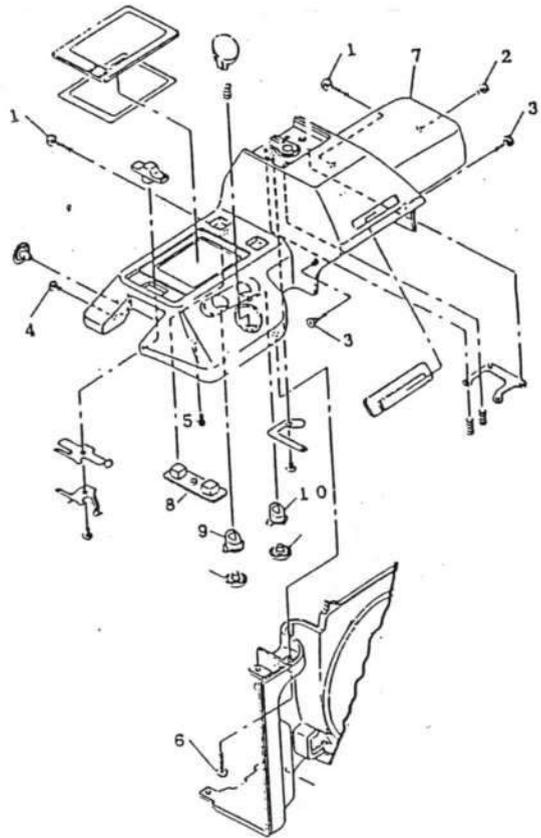


Fig.3

4. LCD (Fig.4)

- (1) Take off two SCREWS (No.2) and remove the LCD HOLDER (No.3), then remove the LCD (No.1).

5. CPU PCB (Fig.4,5)

- (1) Detach the soldered portion of four LEAD WIRES (Red, Green, Purple, Orange) from the CPU PCB. (Fig.5)
- (2) Peel off the AE FPC (The part of )
- (3) Take off three SCREWS (No.4~6) and remove the LCD FRAME (No.7)
- (4) Take off two SCREWS (No.9) and remove the FPC HOLDER (No.10)
- (5) Take off one SCREW (No.12) and remove the RW BUTTON HOLDER (No.13) and the RW SW (No.14), then remove the CPU PCB (No.11)

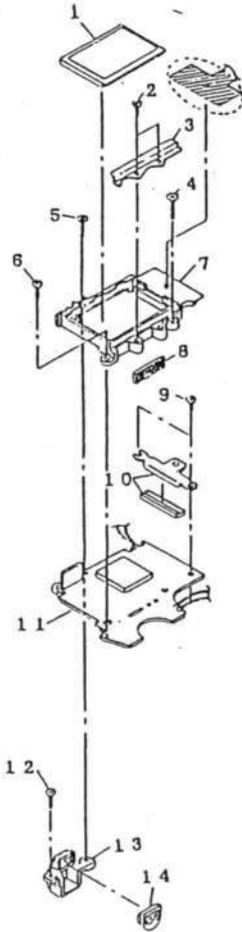


Fig.4

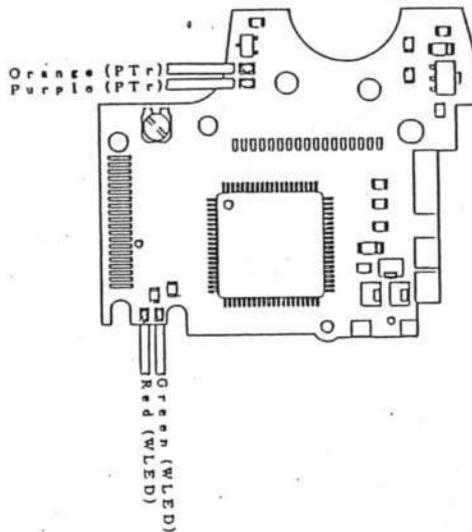


Fig.5

6. SPL plate (Fig.6,6-A)

- (1) Detach the soldered portion of three LEAD WIRES (Black, Brown, Orange) from the SPL plate (Fig.6-A).
- (2) Take off two SCREWS (No.1) and remove the SPL PLATE (No.2).

7. Eyepiece frame (Fig.7)

- (1) Take off two SCREWS (No.1) and remove the EYEPIECE FRAME (No.2)

8. AE FPC (Fig.8,9,10,11)

- (1) Detach the soldered portion of two LEAD WIRES (Brown, Blue) from the AE FPC. (Fig.8)
- (2) Take off two SCREWS (No.1) of the SPD frame. (Fig.9)
- (3) Take off three SCREWS (No.1,2) and remove the COVER LEFT (No.3), (Fig.10)
- (4) Take off two SCREWS (No.1,2) and detach the soldered portion of FV FPC, BPC SW, DX CONTACT as shown in Fig.11, then remove the AE EPC (No.3)

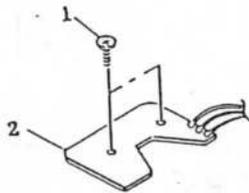


Fig.6

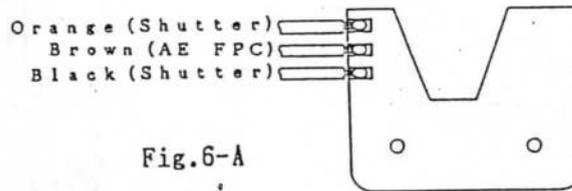


Fig.6-A

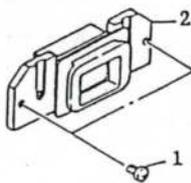


Fig.7

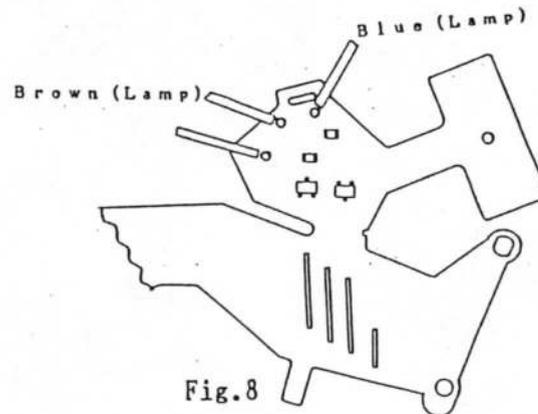


Fig.8

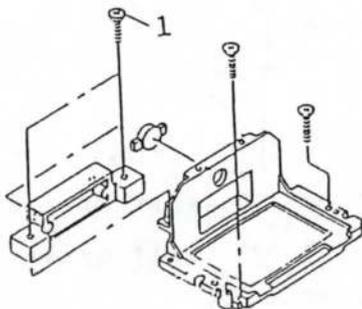


Fig.9

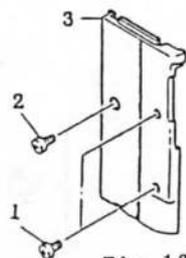


Fig.10

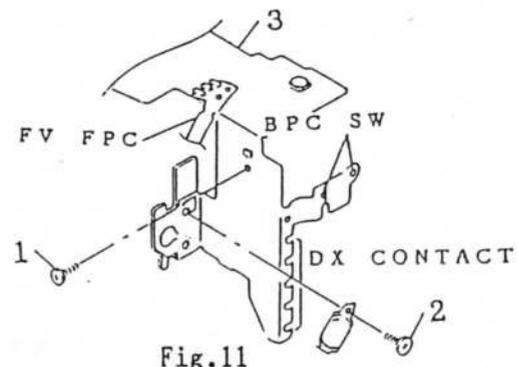


Fig.11

9. FLCD U (Fig.12)

- (1) Take off two SCREWS (No.1) and remove two SPRINGS (No.2), then remove the FLCD U (No.3)

10. Prism (Fig.13)

- (1) Take off two SCREWS (No.1) and remove the HOLDER (No.2).
- (2) Take off two SCREWS (No.3) and remove the PRISM COVER (No.4), then remove the PRISM (No.5).

11. Upper base plate (Fig.14,15)

- (1) Take off two SCREWS (No.1,3) and remove the RL SW HOLDER (No.2)
- (2) Detach the soldered portion of DB FPC, SHUTTER FPC, BATT Contact (+, -), W motor (Black,Red) from the DV FPC as shown in Fig.15.
- (3) Take off ten SCREWS (No.5~9) and remove the UPPER BASE PLATE (No.10)

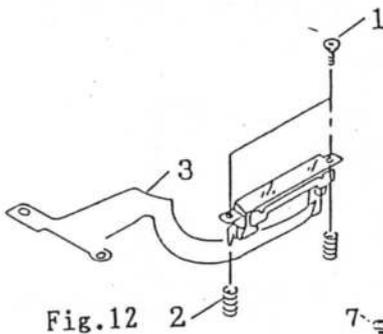


Fig.12

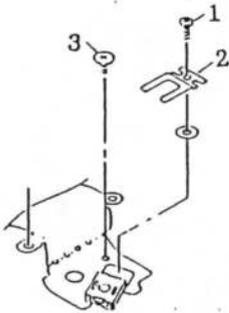


Fig.14

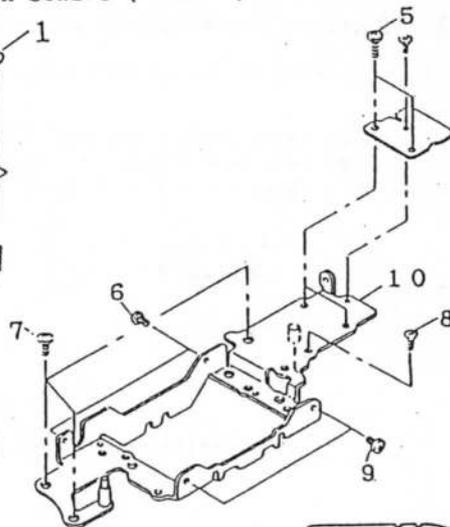


Fig.13

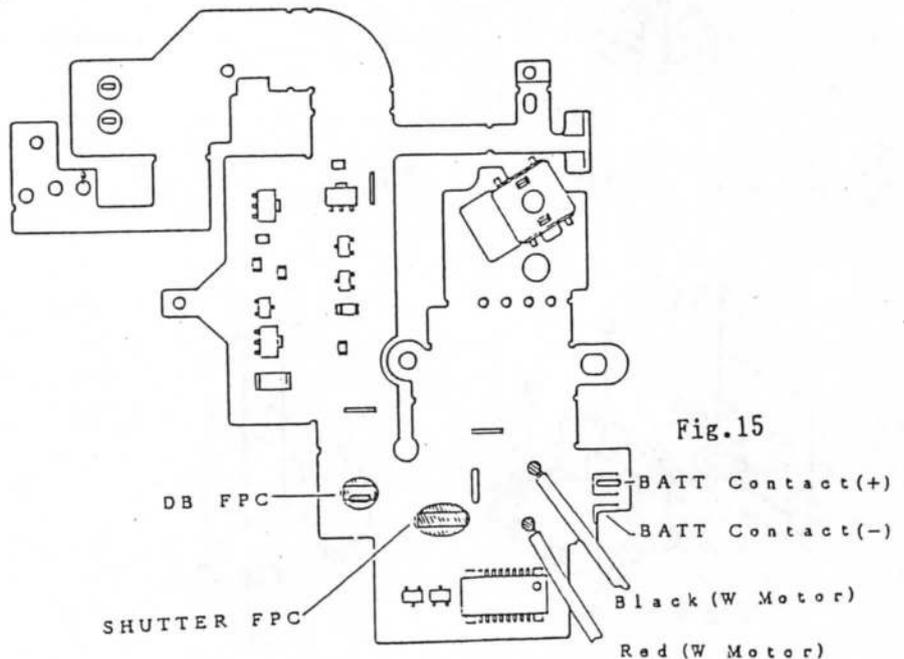
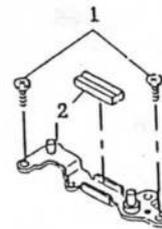


Fig.15

12. Front cover (Fig.16)

- (1) Remove the LENS LOCK BUTTON (No.1)
- (2) Take off four SCREWS (No.2,3) and remove the FRONT COVER (No.4)

13. Mirror Box U (Fig.17)

- (1) Take off one SCREW (No.1)
- (2) Take off two SCREWS (No.2) and remove the MIRROR BOX U (No.3) carefully.

14. Shutter (Fig.18)

- (1) Take off two SCREWS (No.1,2) and remove the SHUTTER (No.3).

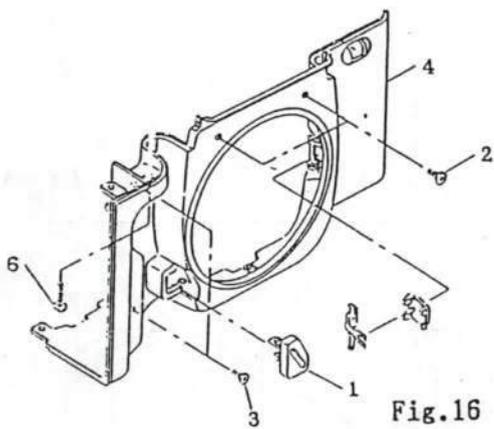


Fig.16

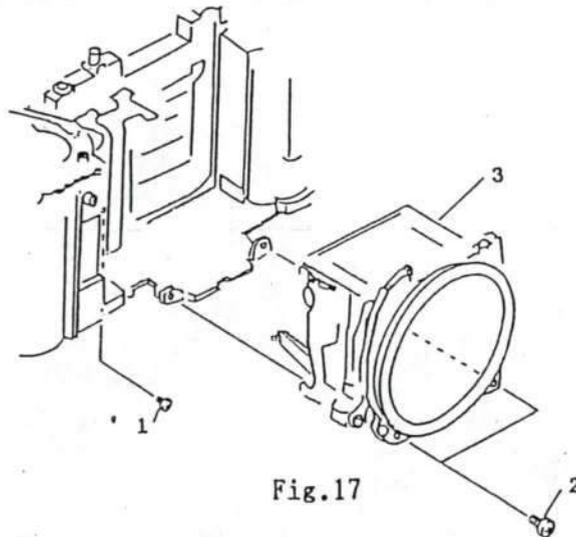


Fig.17

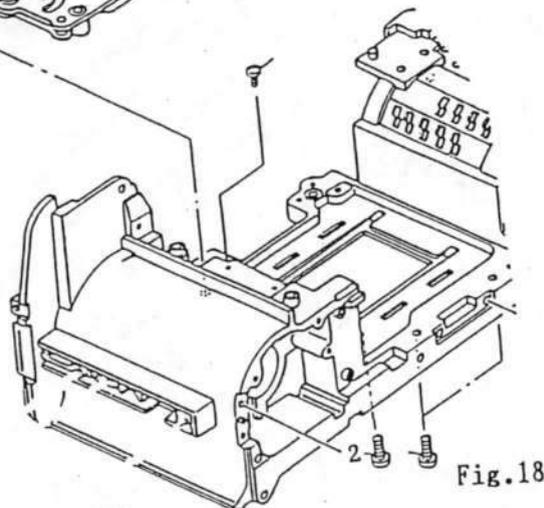
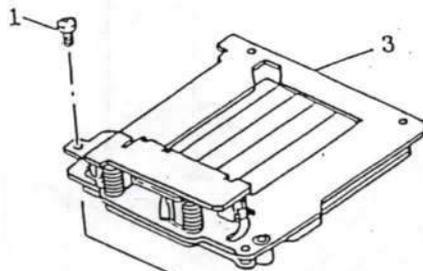


Fig.18

15. W motor (Fig.19,20)

- (1) Take off two SCREWS (No.1) and remove the STRAP METAL (No.2) and the LUG PLATE (No.3).
- (2) Take off two SCREWS (No.1,2) then remove the BATT. CONTACT(-) (No.3) the PIN HOLDRE (No.4) and the BATT. CONTACT (+)(No.5).
- (3) Take off three SCREWS (No.4) and remove the W MOTOR (No.5).

16. Bottom base plate (Fig.21)

- (1) Take off three SCREWS (No.1) and remove the M BOTTOM PLATE (No.2).
- (2) Take off two SCREWS (No.3) and remove the PLATE (No.4).
- (3) Take off eight SCREWS (No.5,6) and remove the M BOTTOM BASE PLATE (No.7)

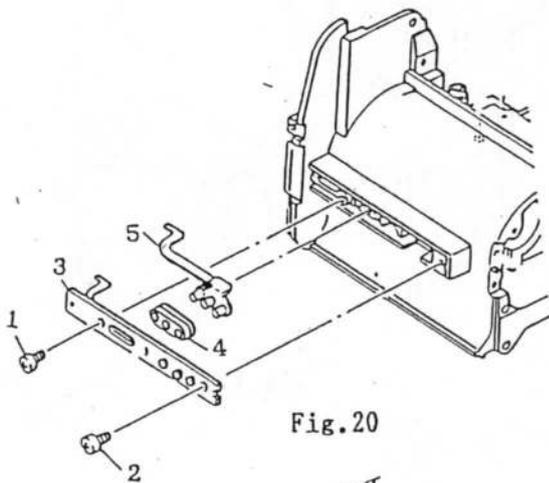


Fig.20

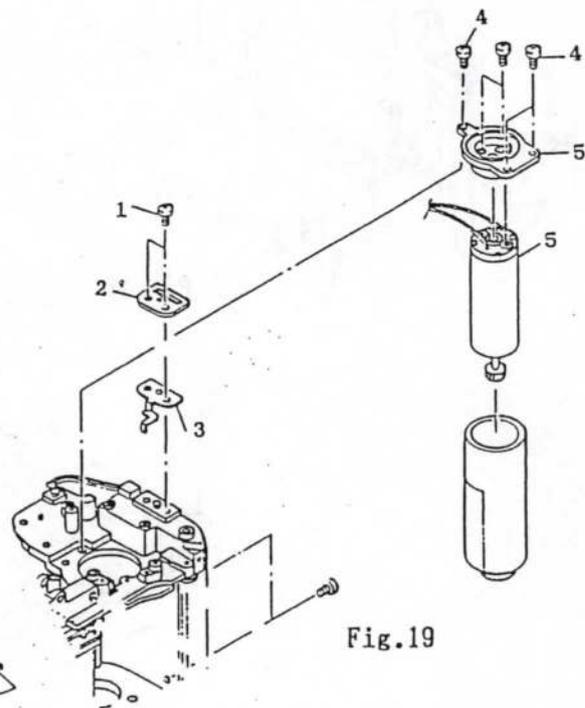


Fig.19

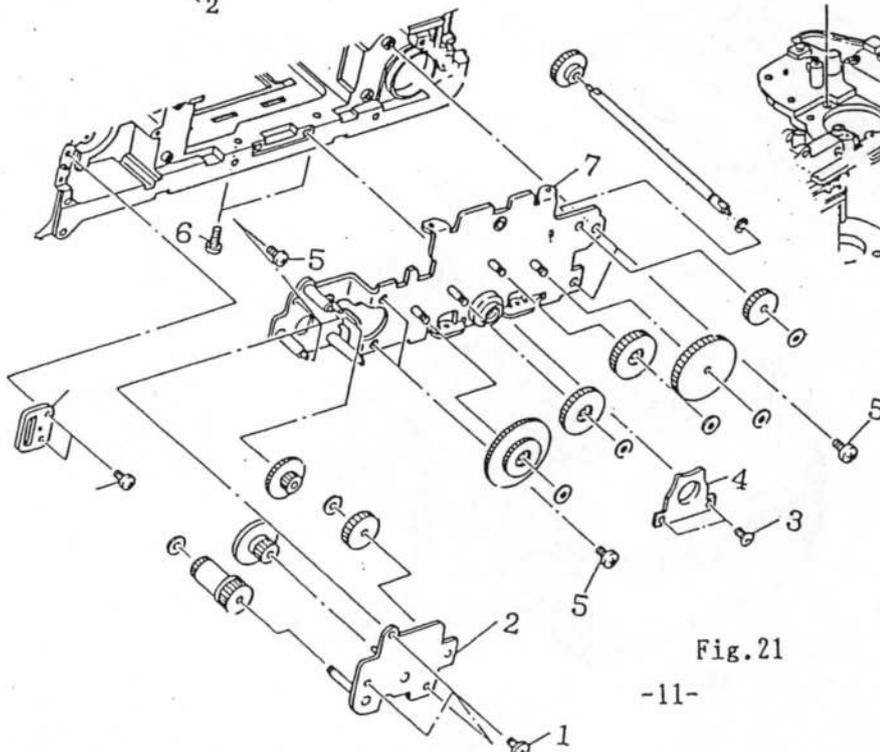


Fig.21

6. ASSEMBLING

1. MIRROR BOX SUB ASS'Y

A. Mirror Box: Right (Fig.22,23)

- (1) Set the Q3 GEAR (No.1) as shown in Fig. 22.
- (2) Set the Q CAM GEAR (No.7) and Q CAM (No.6) to the Mirror Box as shown in Fig. 23. (※ The setting holes must be engaged each other)
- (3) Hook the Q SPRING (No.4).
- (4) Set the DIAPHRAGM LEVER (No.5) to the Mirror Box.
- (5) Put the S LEVER (No.3).
- (6) Set the SW GEAR (No.2) to the Mirror Box.
- (7) Put the M SIDE PLATE then tighten two SCREWS (No.8)

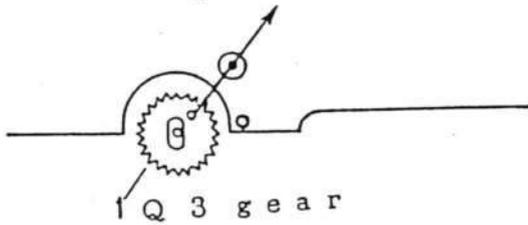


Fig.22

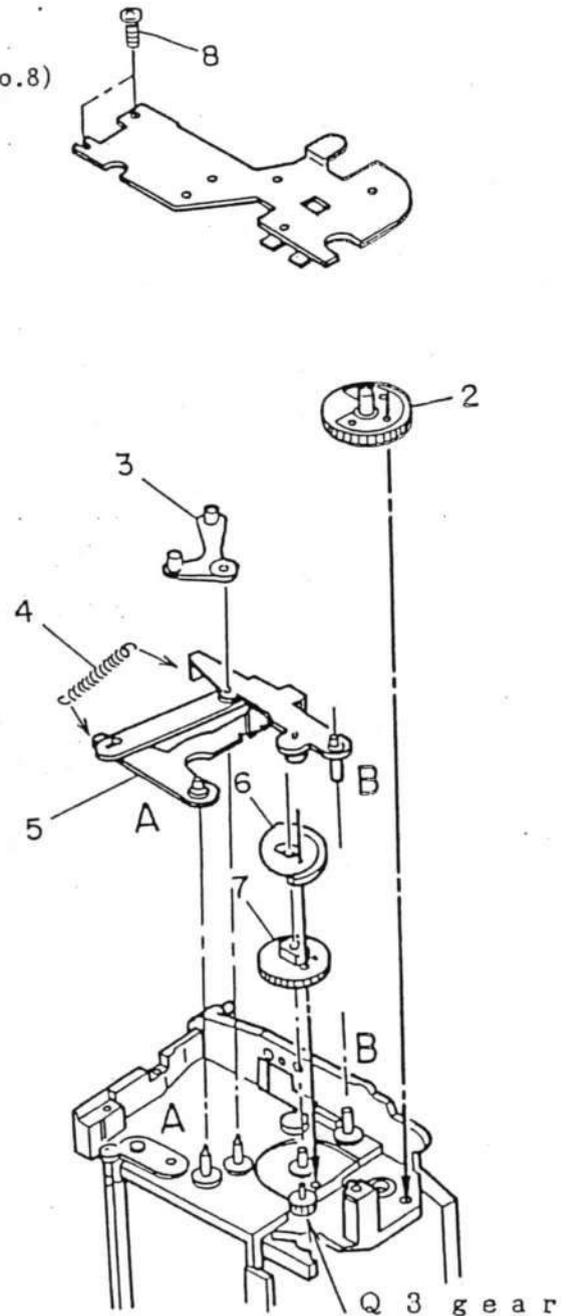


Fig.23

B. Mirror Box: Left (Fig.24)

※ Don't turn any gears of the Mirror Box: Right.

(1) Put the Q1 GEAR (No.4).

(2) Set the Q2 GEAR (No.3) as shown in Fig.24.

(3) Pull up the MIRROR FRAME (No.6) then set the M CAM GEAR (No.2) as shown in Fig. 24.

(4) Put the M SIDE PLATE (No.1) then tighten two SCREWS (No.5).

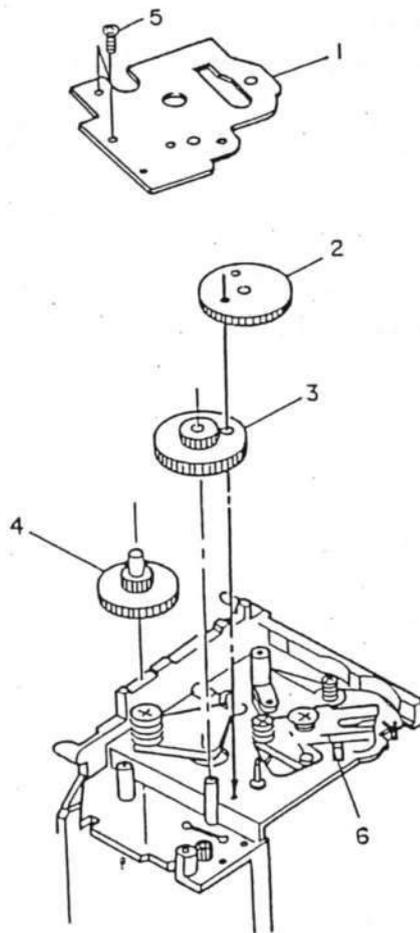


Fig.24

2. Bottom base plate (Fig. 25)

- (1) Loose the SCREW (No.3).
- (2) Put the BOTTOM BASE PLATE (No.1) to the body.
- (3) Tighten nine SCREWS (No.2,3,4).

3. Shutter (Fig. 26)

- (1) Put the SHUTTER U (No.3) to the body and tighten two SCREWS (No.1,2).

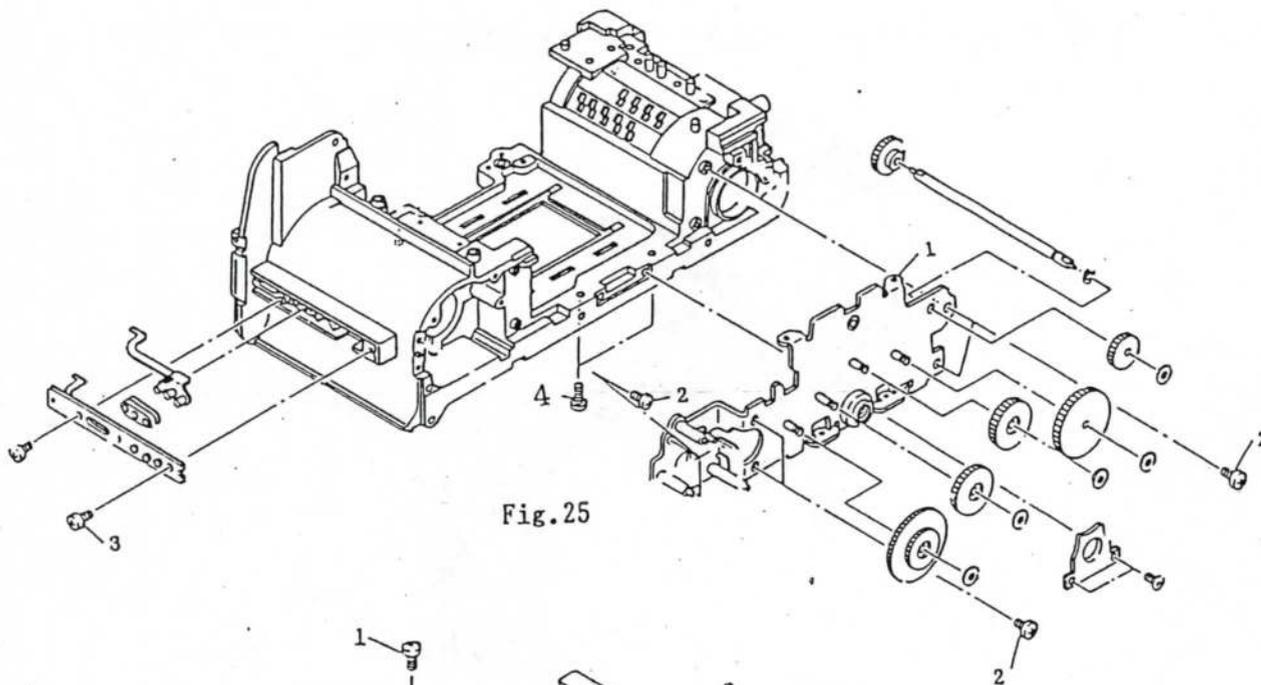


Fig. 25

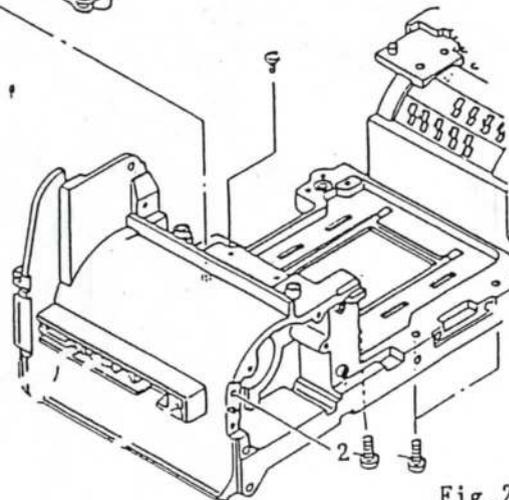
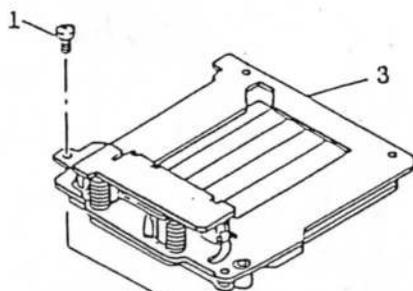


Fig. 26

4. Mirror Box U (Fig. 27)

(1) Turn the Q1 GEAR until SET LEVER comes lowest position (mirror up). (Fig.26).
(2) Keep the SET LEVER at lowest position, then mount the MIRROR BOX U (No.3) to the body.

(3) Tighten two SCREWS (No.2).

(4) Tighten one SCREW (No.1) for hold the DV FPC.

※ Please confirm that the Mirror Box is assembled correctly.

① Turn the Q1 gear so that the Shutter blade will be moved.

② If the Shutter blade would not be moved, please disassemble and assemble again.

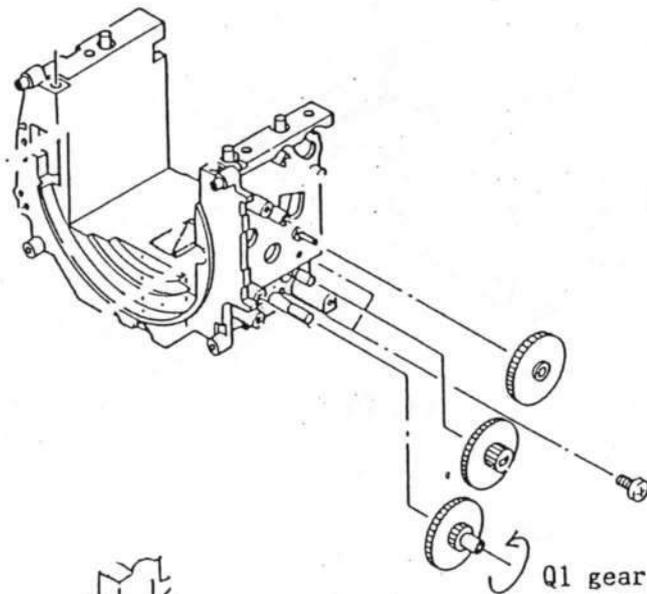
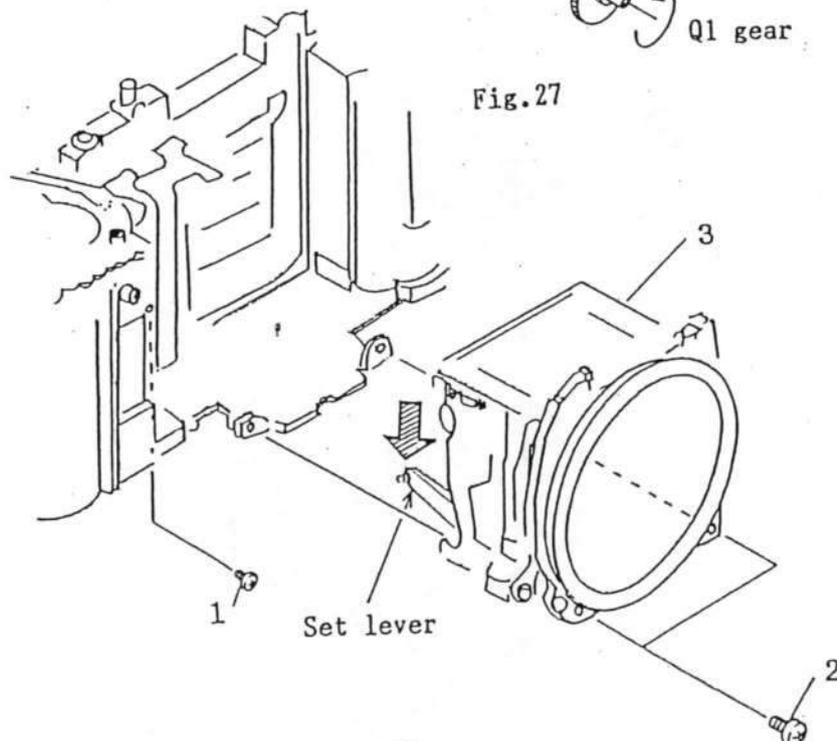


Fig.27



5. Upper base Plate (Fig. 28, 29)

- (1) Put the UPPER BASE PLATE (No.10) to the body and tighten ten SCREWS (No.5,6,7, 8,9)
- (2) Solder between DV FPC-DB FPC, Shutter FPC, BATT. contact (+,-) as shown in Fig. 29.
- (3) Solder two LEAD WIRES (Black, Red/ W motor) to the DV FPC.
- (4) Put the FPC holder and set the DV FPC.
- (5) Put the RL SW HOLDER (No.2) and tighten SCREW (No.1)

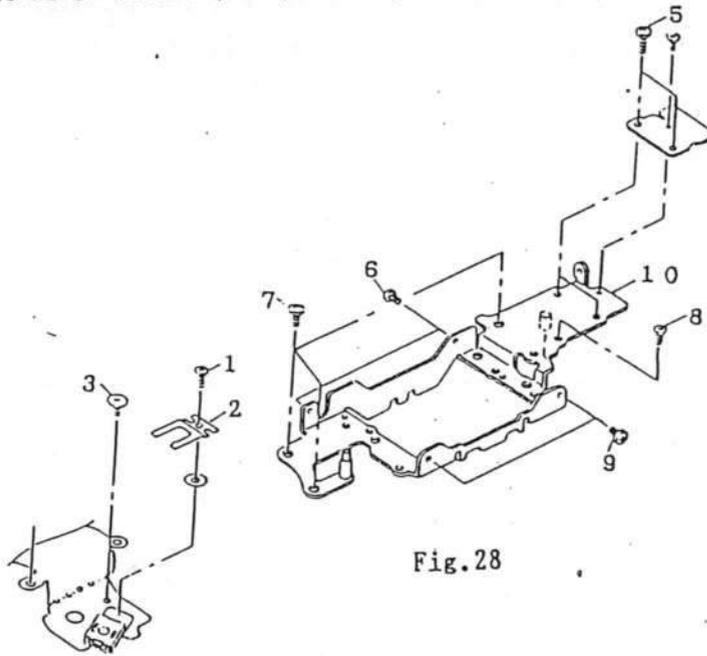


Fig.28

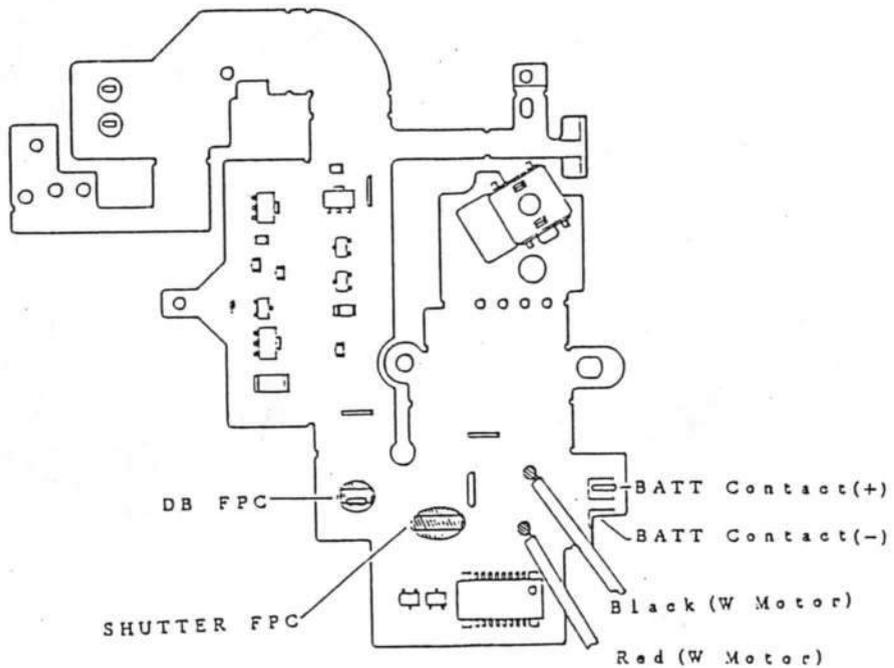


Fig.29

6. Prism (Fig.30)

- (1) Put the Prism (No.5) to the PRISM FRAME.
- (2) Put the Prism COVER (No.4) and tighten two SCREWS (No.3)

7. F LCD U (Fig.30.31)

- (1) Put the FPC HOLDER (No.2) to the body and tighten two SCREWS (No.1)
 - (2) Set the F LCD U (No.3) to the Mount base plate.
 - (3) Put the SPRINGS (No.2) and tighten two SCREWS (No.1) temporarily.
- ※ The position of F LCD must be adjusted, please refer ADJUSTMENT on page 23.

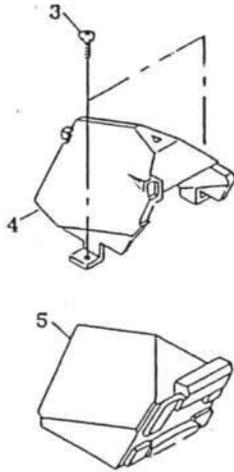


Fig.30

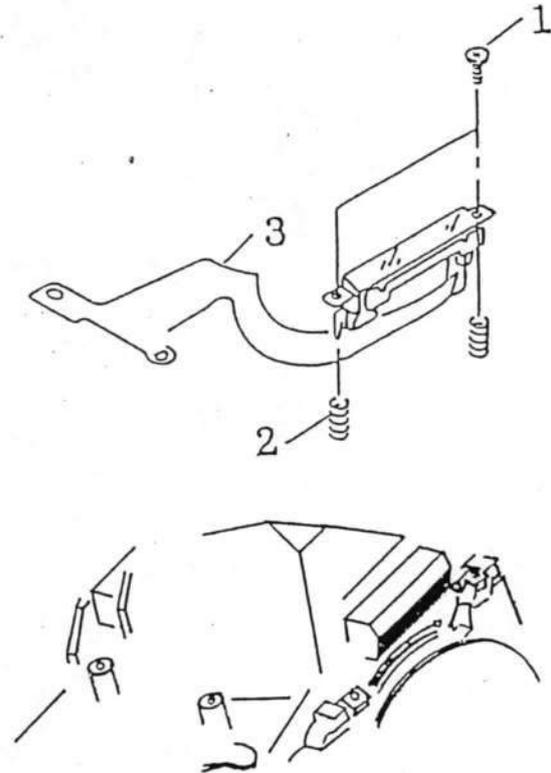


Fig.31

8. AE FPC (Fig.32,33,34,35)

- (1) Put the AE FPC to the body.
- (2) Solder the portion of the DX CONTACT, BPC SW and the FV FPC.
- (3) Tighten two SCREWS (No.1,2).
- (4) Put the SPD FRAME (No.1, Fig.33) to the Prism frame.
- (5) Solder two LEAD WIRES (Blue, Brown/Lamp) as shown in Fig.34.
- (6) Put the LUG PLATE and SPL PLATE then tighten two SCREWS.
- (7) Solder three LEAD WIRES (Orange, Brown, Black,/ SPL plate) as shown in Fig.35.

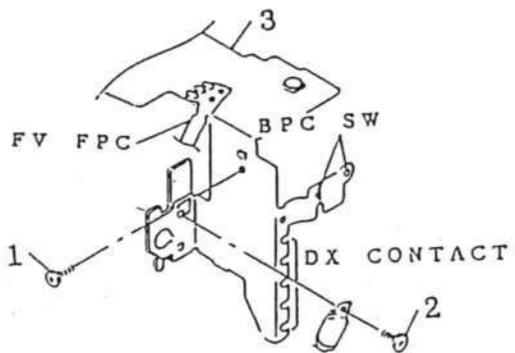


Fig.32

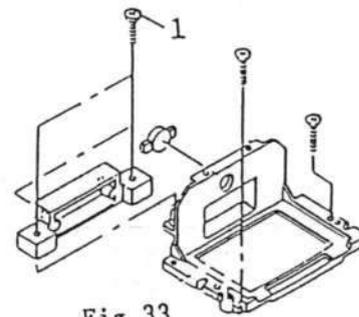


Fig.33

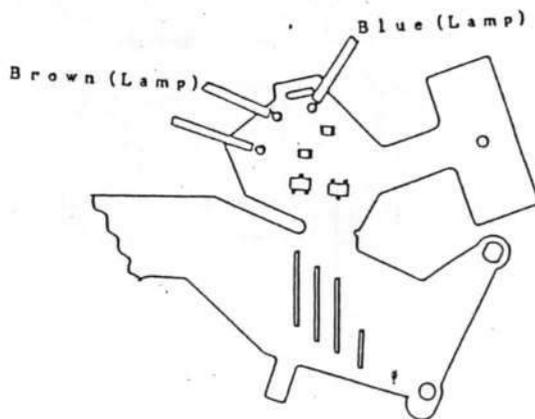
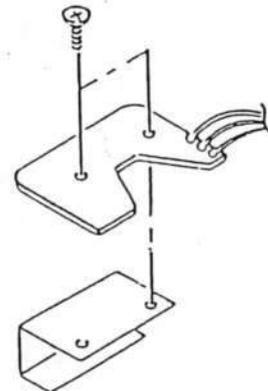


Fig.34



Orange (Shutter)
Brown (AE FPC)
Black (Shutter)

Fig.35

9. CPU PCB (Fig. 36,37)

- (1) Put the CPU PCB (No.11) to the body.
- (2) Put the RW BUTTON HOLDER (No.13), RW SW (No.14) then tighten SCREW (No.12)
- (3) Put the AE FPC on the CPU PCB then put the FPC HOLDER (No.10) and tighten two SCREWS (No.9)
- (4) Put the LCD FRAME (No,7) on the CPU PCB and tighten three SCREWS (No.4,5,6).
- (5) Put the CONNECTOR (No.8) and the LCD (No.1) to the LCD frame.
- (6) Put the HOLDER (No.3) and tighten two SCREWS (No.2).
- (7) Solder four LEAD WIRES (Orange, Purple/PTr, Red, Green/W LED) as shown in Fig. 37.

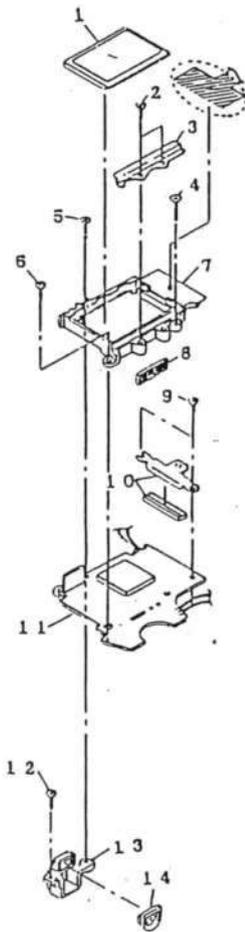


Fig.36

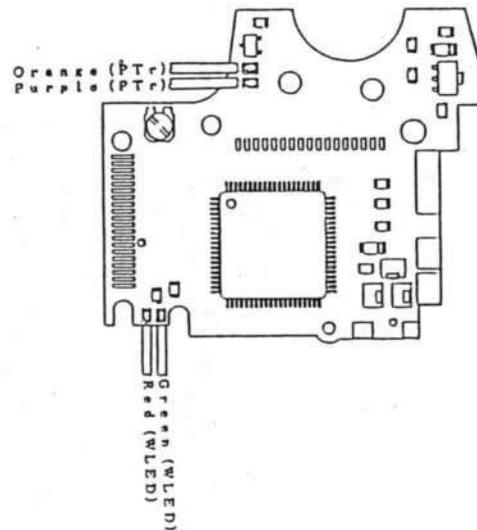


Fig.37

10. Front cover (Fig.38)

- (1) Put the FRONT COVER (No.4) to the body and tighten four SCREWS (No.2,3).
- (2) Press fit the LENS LOCK BUTTON (No.1).

11. Bottom cover (Fig.39)

- (1) Put the BOTTOM COVER (No.4) to the body and tighten eight SCREWS (No.1,2,3).
- ※ You must proceed to ADJUSTMENT before assembling Top cover.

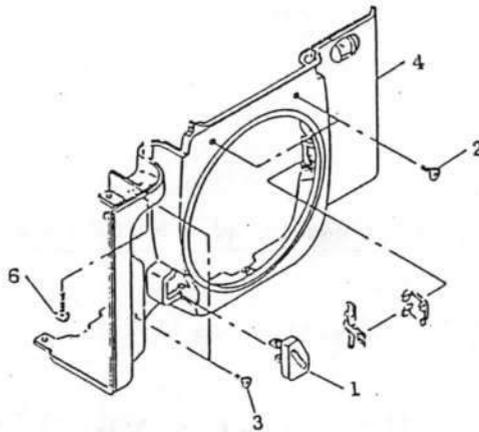


Fig.38

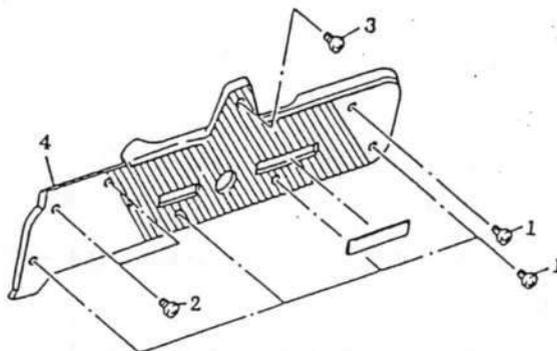


Fig.39

7. ADJUSTMENT

A. Adjustment with set in Test mode.

<Setting Test mode>

- (1) Solder two portions between GND-TEST terminals of the CPU PCB as shown in Fig.
- (2) Attach the Battery box to the camera.
- (3) Connect between the RESET terminal-GND for a moment with tweezers and disconnect.
So that the RESET terminal will be set to Low→Hi
- (4) Connect between MAIN SW-GND, then Camera will be set in Test mode. (Also LCD display will be turned ON)

1. A E

※ Set the camera in Test mode,

- (1) Mount the F1.4/50mm lens to the camera. (Any F stop is available)
- (2) Set the Brightness box at LV12.
- (3) Adjust with VR101 until "4E" appears in the LCD.

Note:

If the F1.4/50mm is not available, adjusting values as follow

With F1.7/50mm → "50"

F2.0/50mm → "53"

2. F F A

※ Set the camera in Test mode,

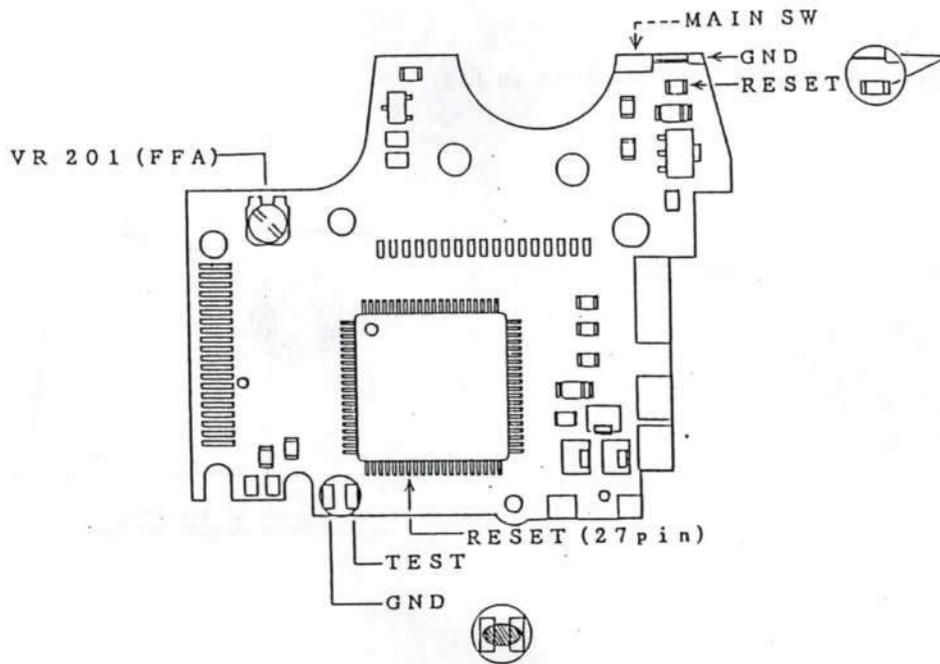
- (1) Close the Back cover.
- (2) Adjust with VR201 until "20" appears in the LCD.

Note:

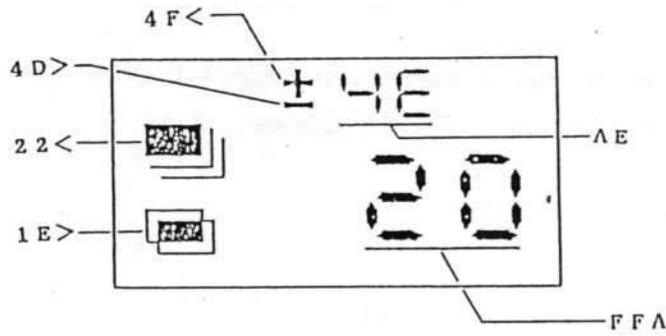
When you replacing the CPU PCB, please remove the VR201 from the OLD PCB and put it to the NEW PCB.

(The VR201 and W LED (PTr) are combination used.)

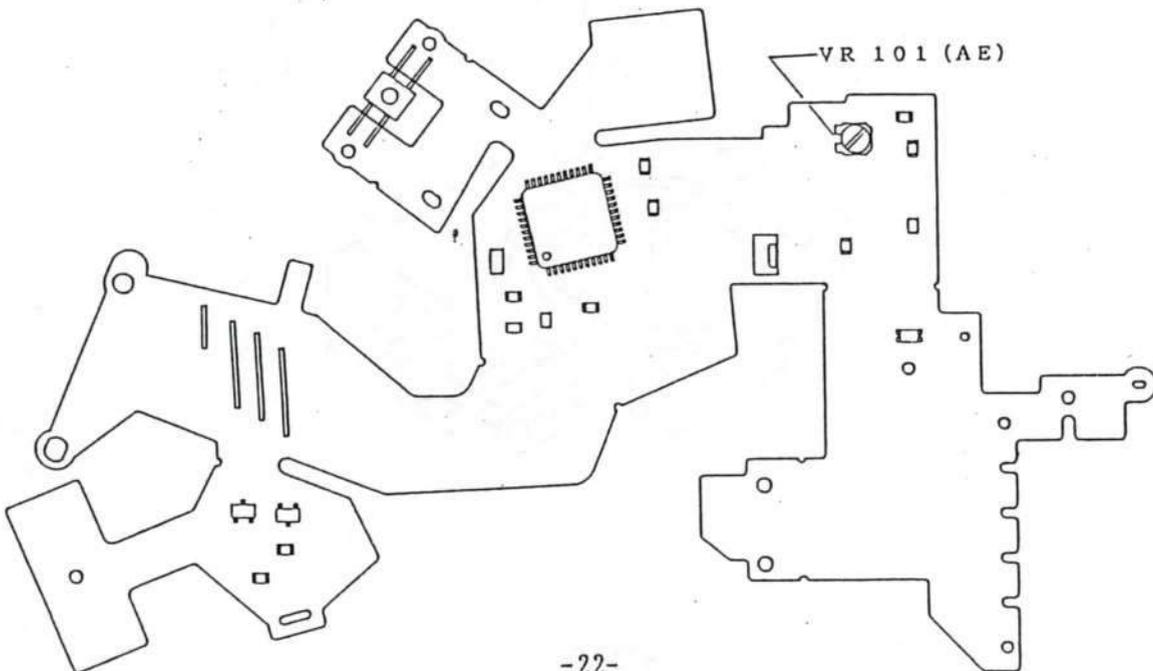
CPU PCB



LCD



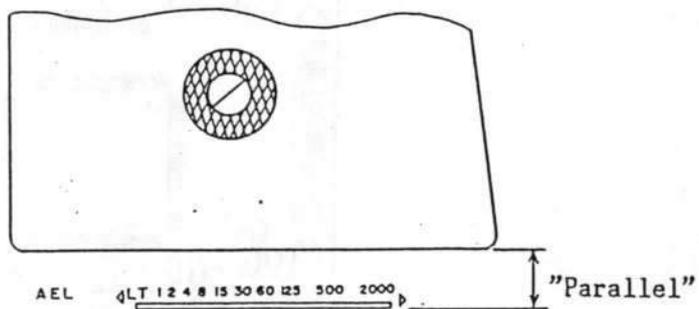
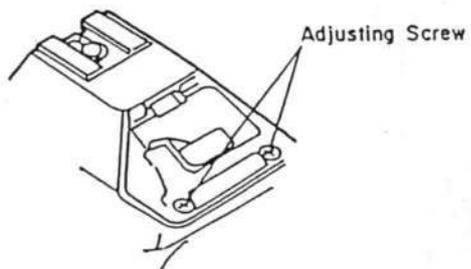
AE FPC



B. Mechanical adjustment

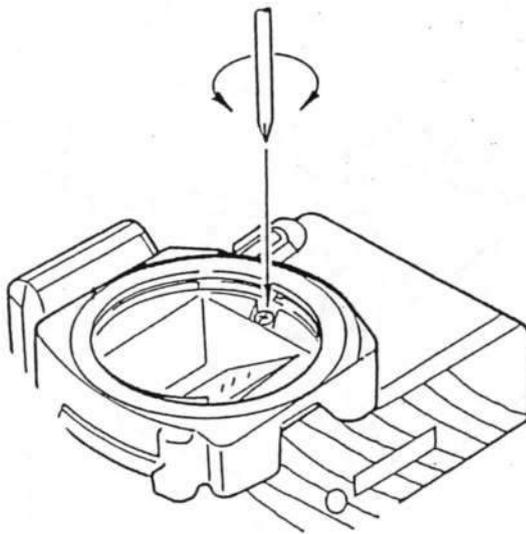
1. Position of FLCD

(1) Adjust with two Screws as shown in Fig.

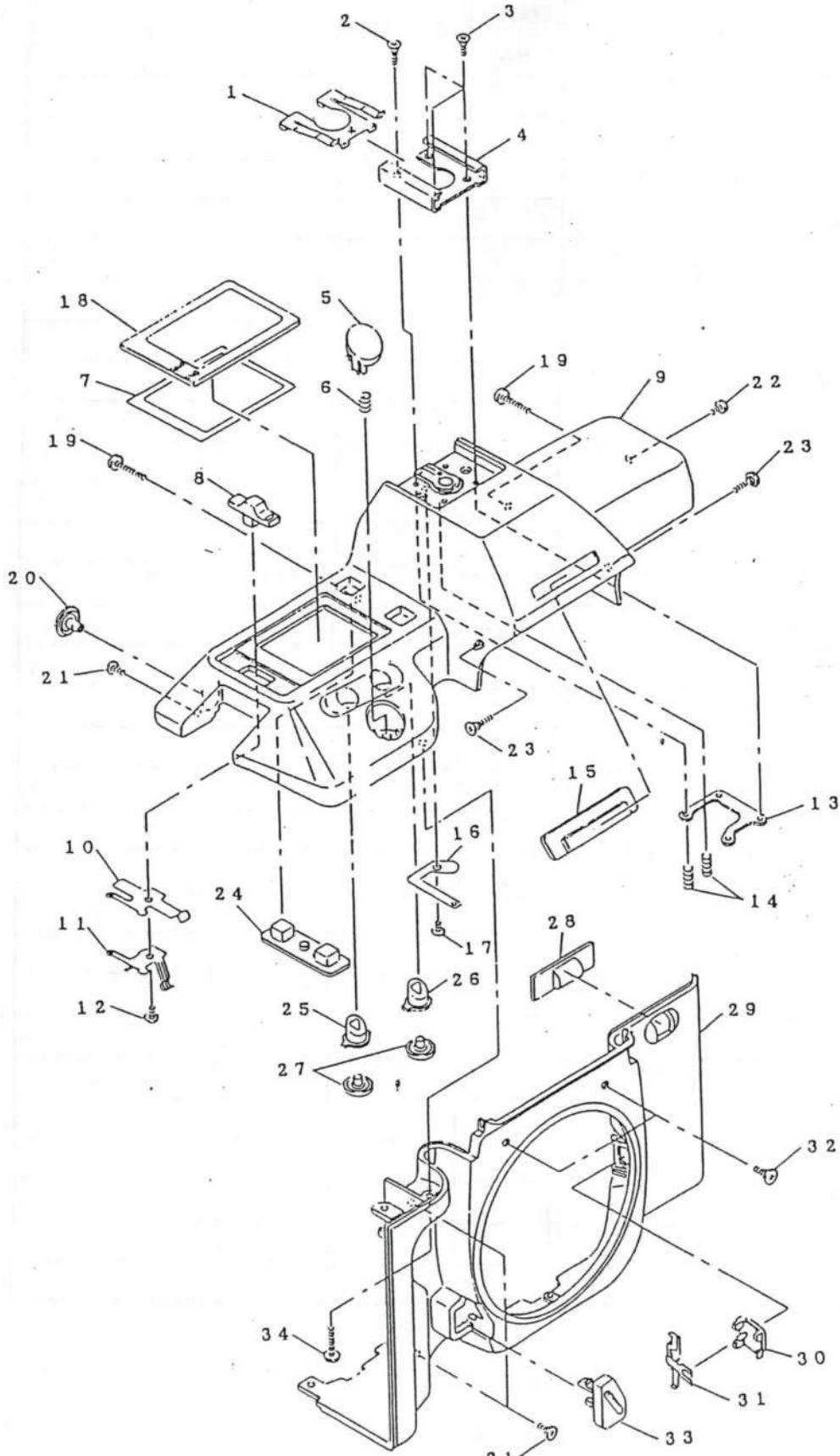


2. Finder focusing

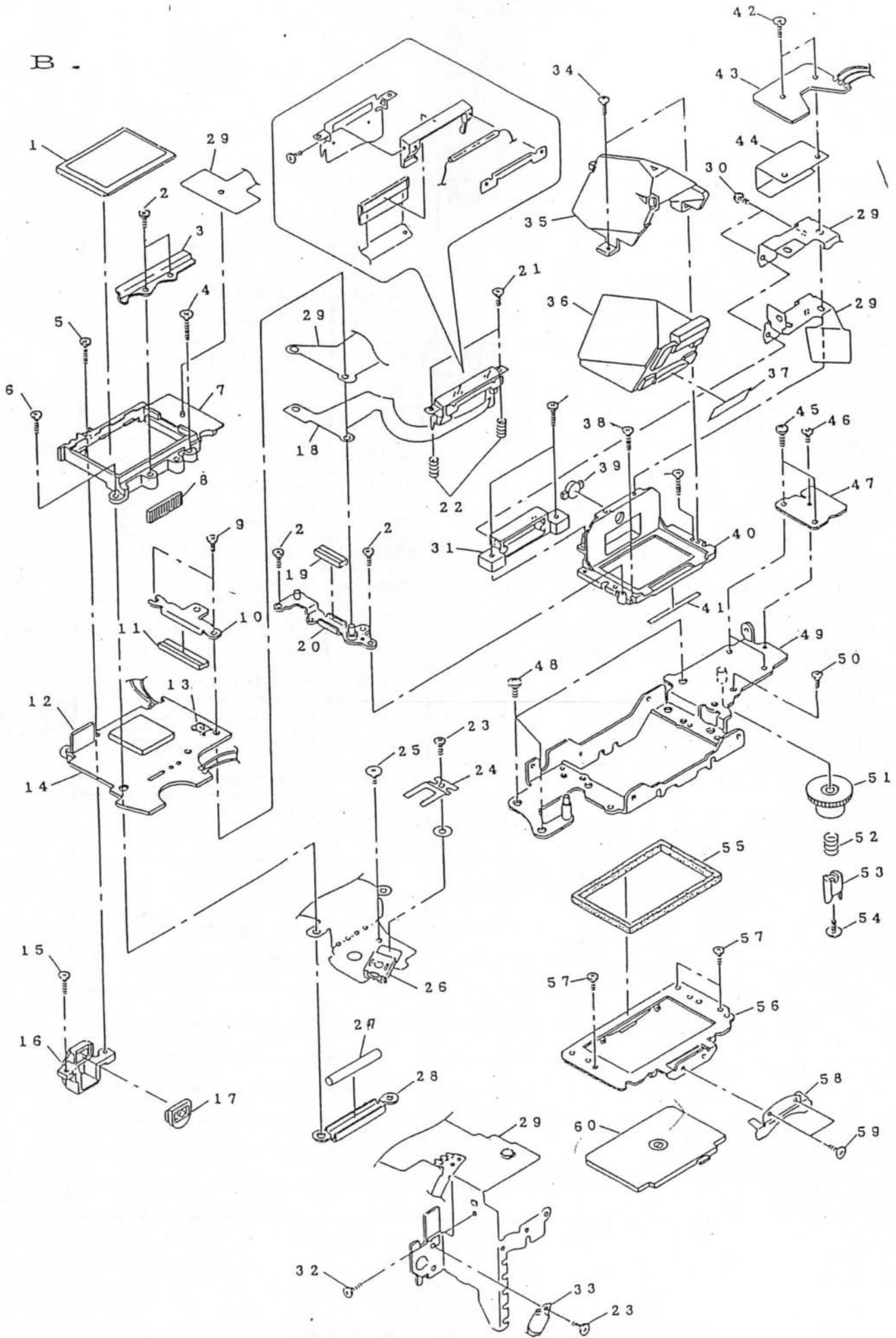
(1) Mount the Master lens to the camera and check that the Finder focusing and if not in-focus, then adjust with Screw as shown in Fig.



A.



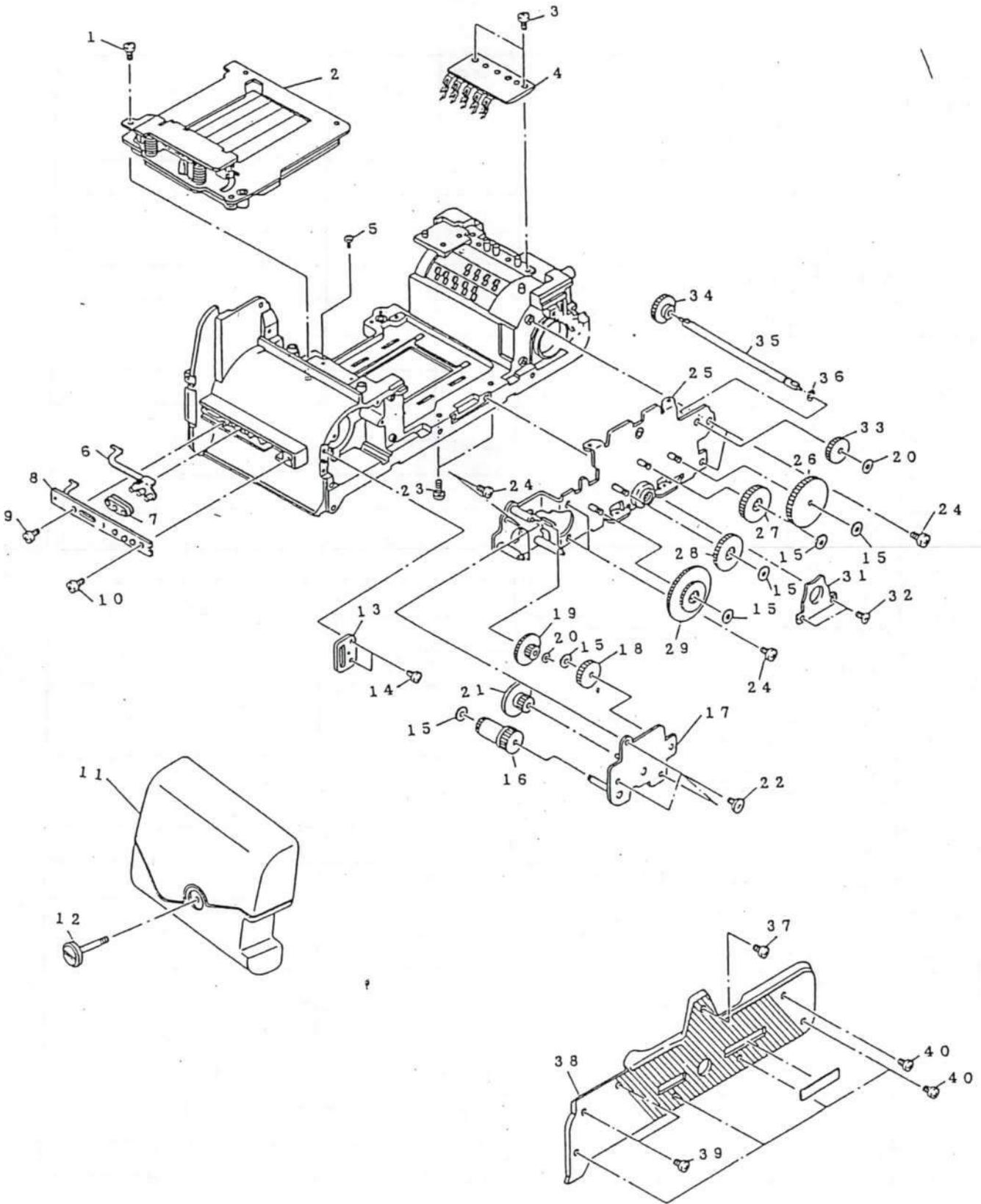
B .



B

Sketch NO.	Part NO.	Description	Sketch NO.	Part NO.	Description
1	L1131823	LCD	34	09841640Z	Tapping screw M1.6x4.0
2	09841630Z	Tapping screw M1.6x3.0	35	L1131313	Prism holder
3	L1131602	LCD holder	36	L1021063	Prism
4	02516080Z	Screw M1.6x8.0	37	L1021620	Shield plate
5	09841670Z	Tapping screw M1.6x7.0	38	02516040Z	Screw M1.6x4.0
6	L1131771	Screw	39~41	L1021056	Prism frame
7	L1131601	LCD frame	42	09841640Z	Tapping screw M1.6x4.0
8	L1131623	LCD connector	43	L1131849	SPL plate
9	02416025Z	Screw M1.6x2.5	44	L1021328	Prism holder
10~11	L1021059	FPC holder (upper)	45	09842050Z	Tapping screw M2.0x5.0
12	L1131829	RW plate	46	02516025W	Screw M1.6x4.0
13	LA304154	Variable resistor (150K)	47	L1131108	Strap metal A
13	LA304333	Variable resistor (33K)	48	09851630Z	Tapping screw M1.6x3.0
12, 14	L1132003	CPU PCB U	49~54	L1131051	Upper base plate
15	09841640Z	Tapping screw M1.6x4.0	55~56	L1021049	P adjusting plate
16	L1131571	RW button holder	57	09841635Z	Tapping screw M1.6x3.5
17	L1131591	RW button	58	L1131312	Fresnel holder
18	L1131064	F LCD U	59	02414014W	Screw M1.4x1.4
19~20	L1131058	FPC holder (bottom)	60	L1021311	Fresnel lens
21	09841650Z	Tapping screw M1.6x5.0			
22	L1021336	Spring			
23	09841625Z	Tapping screw M1.6x2.5			
24	L1131557	RL SW holder			
25	L1021761	Screw			
26	L1131556	RL SW			
27~28	L1131060	FPC holder			
29~31	L1132009	AE FPC U			
32	09851416W	Tapping screw M1.4x1.6			
33	L1021563	AEL contact			

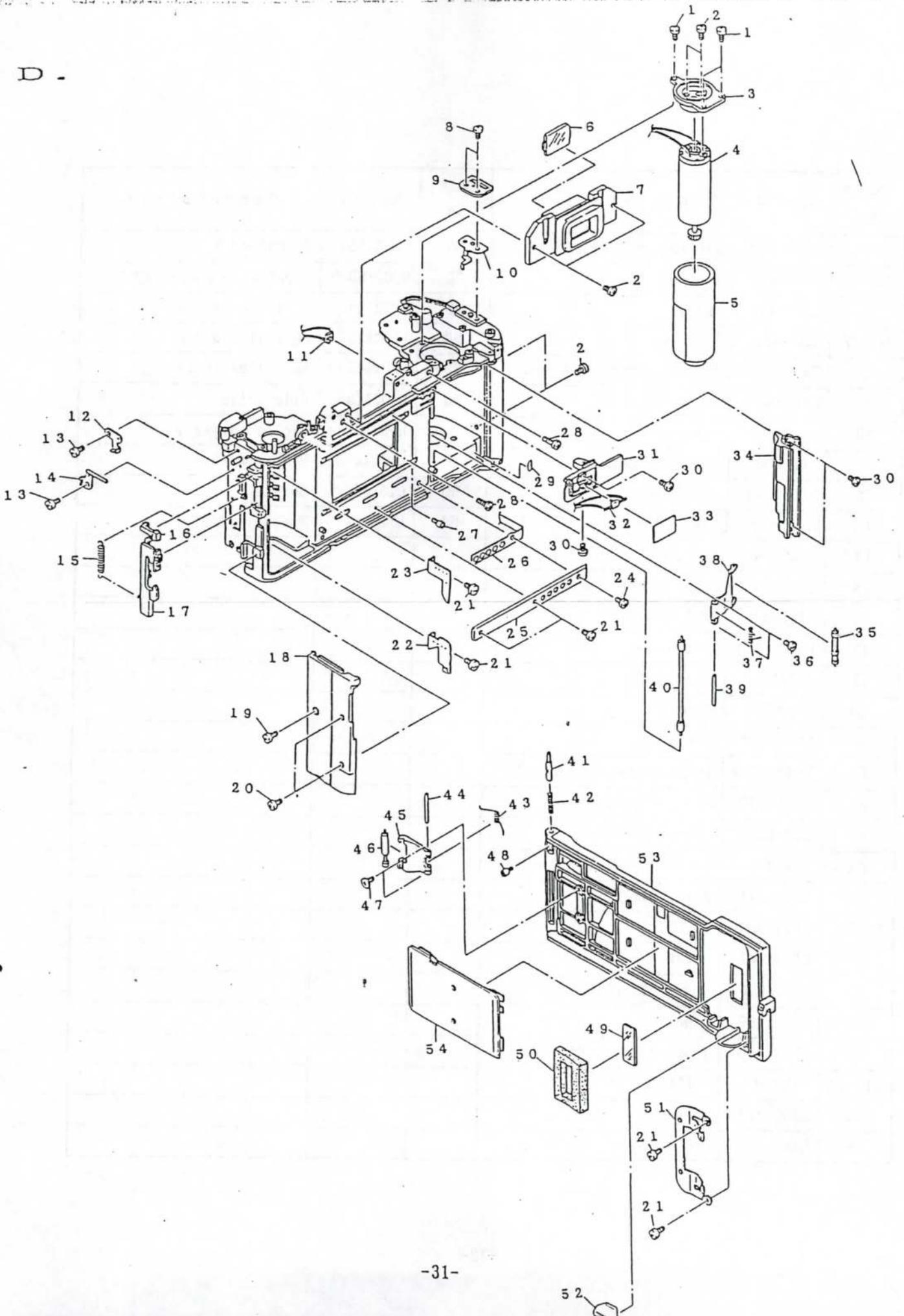
C.



C

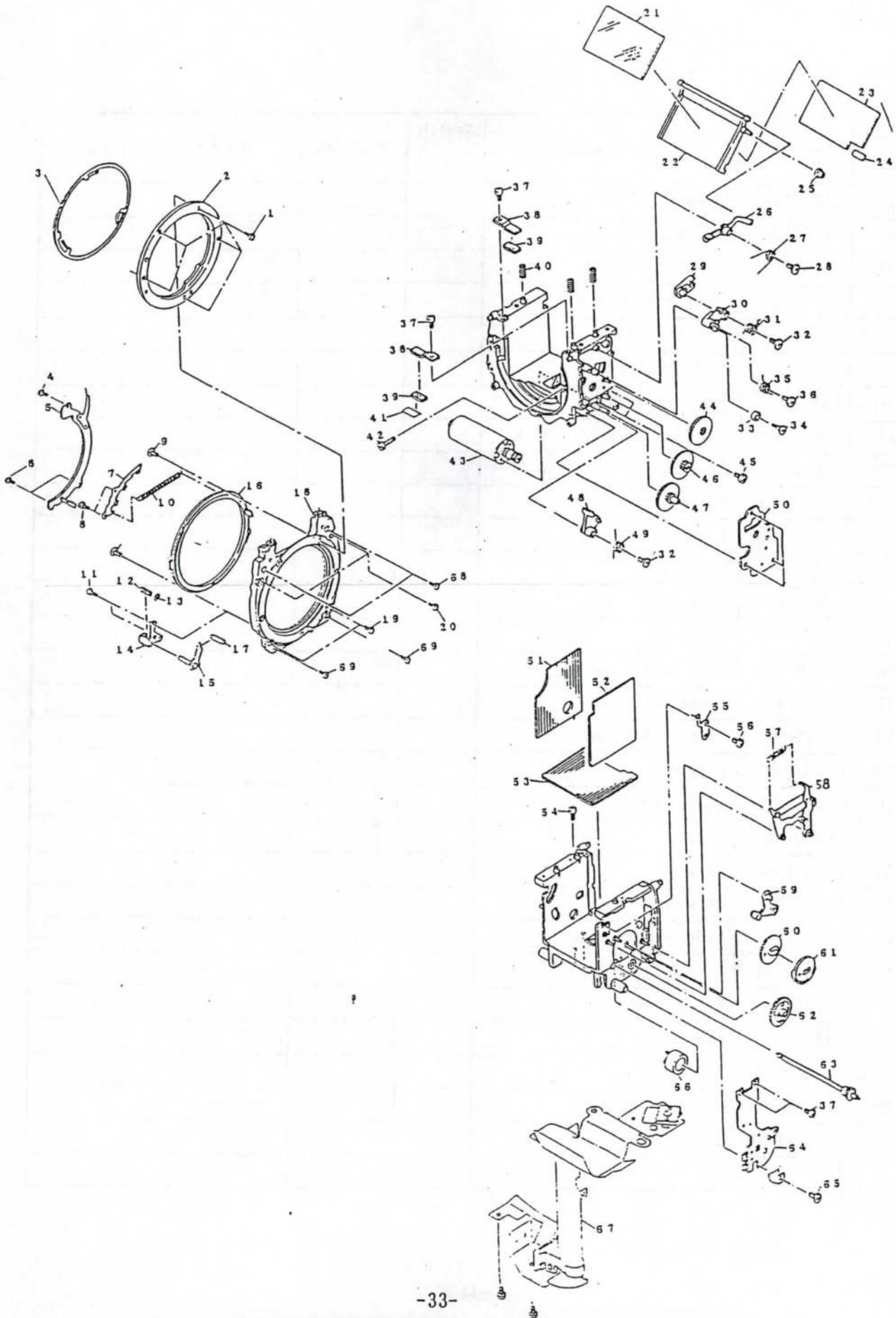
Sketch NO.	Part NO.	Description	Sketch NO.	Part NO.	Description
1	09842035Z	Tapping screw M2.0x3.5	40	L1021762	Screw
2	L1131046	Shutter U			
3	09841645Z	Tapping screw M1.6x4.5			
4	L1131178	DX contact			
5	09851616Z	Tapping screw M1.6x1.6			
6	L1131042	Battery contact (+)			
7	L1131187	Pin holder			
8	L1131041	Battery contact (-)			
9	09842035Z	Tapping screw M2.0x3.5			
10	L1131770	Screw			
11~12	L1131091	Battery Box (XR-10M)			
11~12	L1131092	Battery Box (KR-10M)			
12	L5801116	Screw			
13	L1131167	Strap metal B			
14	09842050Z	Tapping screw M2.0x5.0			
15~18	L1021037	M bottom plate U			
19	L1131118	M 2,3 gear			
20	L1131769	Washer			
21	L1131120	M 4,5 gear			
22	31331694	Screw			
23	02516050W	Screw M1.6x5.0			
24	09851630Z	Tapping screw M1.6x3.0			
25~29	L1131036	Bottom base plate ass'y			
31	L1021107	Plate			
32	09801625Z	Tapping screw M1.6x2.5			
33	L1021138	RW 8 gear			
34~36	L1021040	RW 7,8 gear shaft			
37	02416060Y	Screw M1.6x6.0			
38	L1131110	Bottom cover			
39	L1021763	Screw			

D.



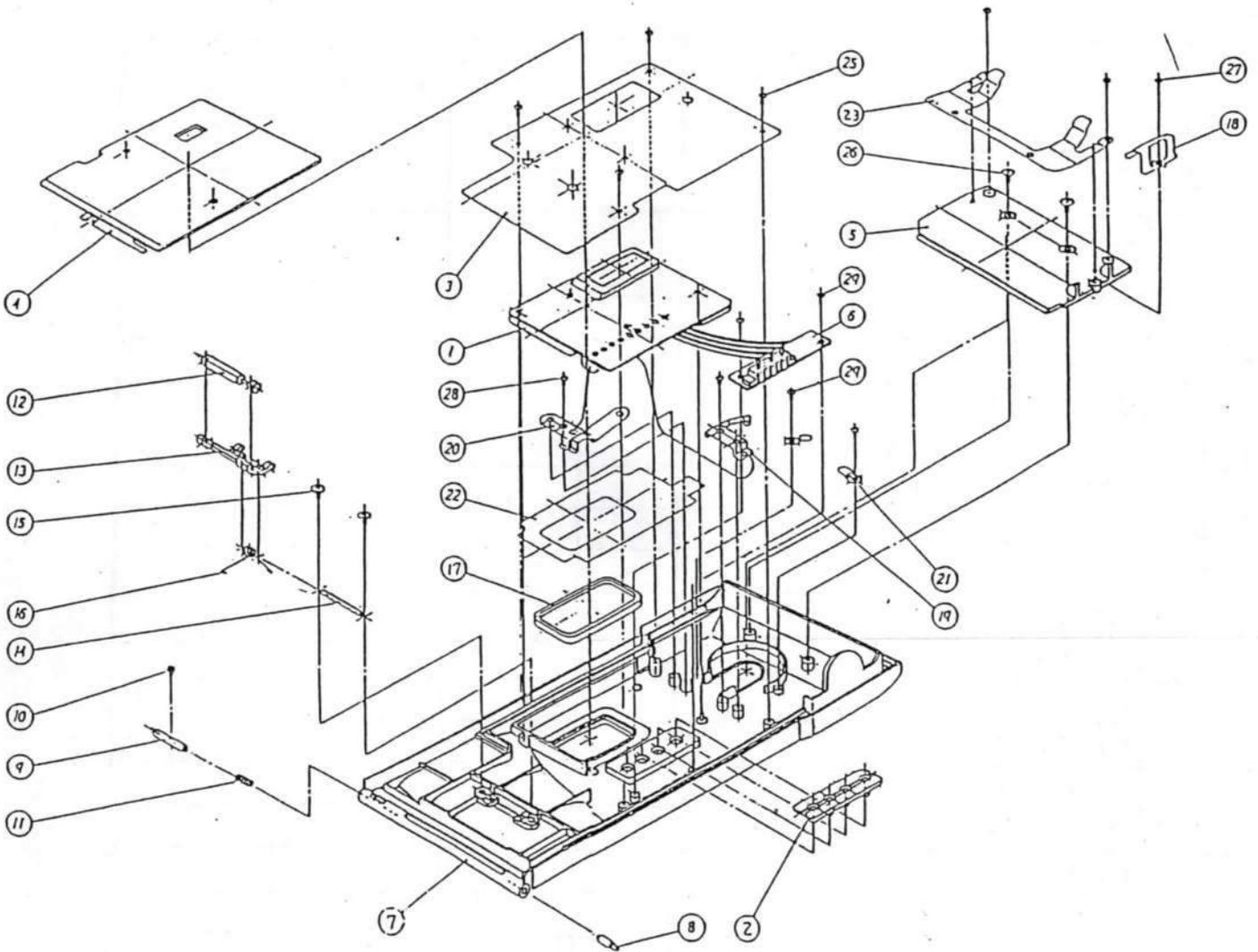
D

Sketch NO.	Part NO.	Description	Sketch NO.	Part NO.	Description
1	09851630Z	Tapping screw M1.6x3.0	35	L1021151	AL roller A
2~4	L1131032	W motor	36	09851630W	Tapping screw M1.6x3.0
5	L1021116	Spool	37	L1021154	AL roller spring
6~7	L1021055	Eyepiece frame	38	L1021152	AL roller plate
8	09842050Z	Tapping screw M2.0x5.0	39	L1021153	AL roller shaft
9	L1131167	Strap metal B	40	L1021155	Film roller
10	L1021109	Lug plate	41~53	L6001012	Back cover assy
11	L1131028	Photo-transistor	49	L1021268	Film window
12	L1021248	BPC SW A	50	L1021269	Shield
13	09851620Z	Tapping screw M1.6x2.0	54	L1021072	Pressure plate
14	L1021249	BPG SW B			
15	L1021247	Lock spring			
16	L1131246	Lock button			
17	L6001124	Lock claw			
18	L1131251	Cover left			
19	L1131768	Screw			
20	L1021762	Screw			
21	09841620W	Tapping screw M1.6x2.0			
22	L1021149	Patrone holder			
23	31371183	Patrone holder B			
24	02420060W	Screw M2.0x6.0			
25	L1021171	Date frame			
26	L1132020	DB FPC			
27	L1021147	Screw			
28	02516060Z	Screw M1.6x6.0			
29	L1021166	Label			
30	09841640W	Tapping screw M1.6x4.0			
31~32	L1131031	W LED U			
33	L1021164	Label			
34	L1021157	Spool cover			



E

Sketch NO.	Part NO.	Description	Sketch NO.	Part NO.	Description
1	39581236	Screw			
2	L1131406	Lens mount			
3	31161672	Spring			
5	L1131018	F registor plate			
11~15	L1021019	Lens lock U			
17	L1021228	Lens lock pin			
1~18	L1131002	Mount base assy			
19	09852060W	Tapping screw M2.0x6.0			
20	09852050Z	Tapping screw M2.0x5.0			
21~24	L1021013	Mirror frame U			
43	L1131421	Q motor			
44	L1021406	M cam gear			
46	L1021404	Q2 gear			
47	L1021402	Q1 gear			
50	L1131415	Side plate: left			
57	L1021422	Q spring			
58	L1131007	Diaphragm lever			
59	L1021008	S lever			
60	L1021435	Q cam gear			
61	L1021449	Q cam			
62	L1021009	SW gear			
63	L1021006	Q3 gear			
64	L1131011	Side plate: right			
65	L1021761	Screw			
1~65	L1131001	Mirror box ass'y			
66	LB401363	Capacitor			
66~67	L1132002	DV FPC U			
68	02520050Z	Screw M2.0x5.0			
69	02520060Z	Screw M2.0x6.0			



9. PARTS INDEX

Part NO.	Description	Sketch NO.
★ L1131001	Mirror box assy	E-1-65
L1131002	Mount base assy	E-1-18
L1131007	Diaphragm lever	E-58
L1131011	Side plate: right	E-64
★ L1131018	F registor plate	E-5
★ L1131028	Photo-transistor	D-11
★ L1131031	W LED U	D-31-32
L1131032	W motor	D-2-4
L1131036	Bottom base plate assy	C-25-30
L1131041	Battery contact(-)	C-8
L1131042	Battery contact(+)	C-6
★ L1131046	Shutter U	C-2
L1131051	Upper base plate	B-49-54
L1131058	FPC holder (bottom)	B-19-20
L1131060	FPC holder	B-27-28
L1131064	F LCD U	B-18
L1131066	Front cover assy	A-28-31
L1131067	Top cover assy	A-1-17
L1131091	Battery box (XR-10M)	C-11-12
L1131092	Battery box (KR-10M)	C-11-12
L1131108	Strap metal A	B-47
L1131110	Bottom cover	C-38
L1131118	M2,3 gear	C-19
L1131120	M4,5 gear	C-21
L1131167	Strap metal B	C-13,D-9
L1131178	DX contact	C-4
L1131187	Pin holder	C-7
L1131225	Lens lock button	A-33
L1131246	Lock button	D-16
L1131251	Cover left	D-18
L1131312	Fresnel holder	B-58

Part NO.	Description	Sketch NO.
L1131313	Prism holder	B-35
L1131406	Lens mount	E-2
L1131415	Side plate: left	E-50
L1131421	Q motor	E-43
L1131530	Self-Mode button	A-24
L1131536	AEL button	A-30
L1131539	AEL SW spring	A-31
L1131550	LCD cover	A-18
L1131556	RL SW	B-26
L1131557	RL SW holder	B-24
L1131561	Up button	A-26
L1131565	Down button	A-25
L1131571	RW button holder	B-16
L1131591	RW button	B-17
L1131601	LCD frame	B-7
L1131602	LCD holder	B-3
L1131623	LCD connector	B-8
L1131768	Screw	D-19
L1131769	Washer	C-20
L1131770	Screw	C-10
L1131771	Screw	B-6L
L1131823	LCD	B-1L1
L1131829	RW plate	B-12L1
L1131849	SPL plate	B-43
★ L1132002	DV FPC U	E-66-67
★ L1132003	CPU PCB U	B-12-14
★ L1132009	AE FPC U	B-29-31
★ L1132020	DB FPC	D-26

Part NO.	Description	Sketch NO.
L1021006	Q3 gear	E-63
L1021008	S lever	E-59
L1021009	SW gear	E-62
L1021013	Mirror frame U	E-21~24
L1021019	Lens lock U	E-11~15
L1021037	M bottom plate U	C-15~18
L1021040	RW 7,8gear shaft	C-34~36
L1021049	P adjusting plate	B-55~56
L1021055	Eyepiece frame	D-6~7
L1021056	Prism frame	B-39~41
L1021059	FPC holder(upper)	B-10~11
L1021063	Prism	B-26
L1021072	Pressure plate	D-53
L1021107	Plate	C-31
L1021109	Lug plate	D-10
L1021116	Spool	D-5
L1021138	RW 8 gear	C-33
L1021147	Screw	D-27
L1021149	Patrone holder	D-22
L1021151	AL roller A	D-35
L1021152	AL roller plate	D-38
L1021153	AL roller shaft	D-39
L1021154	AL roller spring	D-37
L1021155	Film roller	D-40
L1021157	Spool cover	D-34
L1021164	Label	D-33
L1021166	Label	D-29
L1021171	Date frame	D-25
L1021228	Lens lock pin	E-17
L1021247	Lock spring	D-15
L1021248	BPC SW A	D-12
L1021249	BPC SW B	D-14

Part NO.	Description	Sketch NO.
L1021268	Film window	D-49
L1021269	Shield	D-50
L1021276	Patrone holder A	F-23
L1021277	Patrone holder B	F-18
L1021311	Fresnel lens	B-60
L1021328	Shield plate	B-44
L1021336	Spring	B-22
L1021402	Q 1 gear	E-47
L1021404	Q 2 gear	E-46
L1021406	M cam gear	E-44
L1021422	Q spring	E-57
L1021435	Q cam gear	E-60
L1021449	Q cam	E-61
L1021563	AEL contact	B-33
L1021620	Shield plate	B-37
L1021761	Screw	B-25,E-65
L1021762	Screw	A-32,D-20
		C-40
L1021763	Screw	C-39
L1021765	Screw	A-23
L1061584	T/W SW	A-27
L5801116	Screw	C-12
L6001012	Back cover assy	D-41~52
L6001124	Lock claw	D-17
31161672	Spring	E-3
31331694	Screw	C-22
31371183	Patrone holder B	D-23

Part NO.	Description	Sketch NO.
31375141	Cap	A-20
39581236	Screw	E-1
LA304154	Variable resistor(150K)	B-13
LA304333	Variable resistor(33K)	B-13
LB401363	Capacitor	E-66
02414014W	Screw M1.4x1.4	B-59
02416025Y	Screw M1.6x2.5	A-22
02416025Z	Screw M1.6x2.5	B-9
02416060Y	Screw M1.6x6.0	C-37
02420060W	Screw M2.0x6.0	D-24
02516025W	Screw M1.6x2.5	B-46
02516040Z	Screw M1.6x4.0	B-38
02516050W	Screw M1.6x5.0	C-23
02516060Z	Screw M1.6x6.0	D-28
02516080Z	Screw M1.6x8.0	B-4
02520050Z	Screw M2.0x5.0	E-68
02520060Z	Screw M2.0x6.0	E-69
09801625Z	Tapping screw M1.6x2.5	C-32
09841620W	Tapping screw M1.6x2.0	D-21
09841625Z	Tapping screw M1.6x2.5	B-23
09841630Y	Tapping screw M1.6x3.0	A-21
09841630Z	Tapping screw M1.6x3.0	B-2
09841635Z	Tapping screw M1.6x3.5	B-57
09841640W	Tapping screw M1.6x4.0	C-30
09841640Z	Tapping screw M1.6x4.0	B-15,34, 42,D-3
09841645Z	Tapping screw M1.6x4.5	C-3
09841650Z	Tapping screw M1.6x5.0	B-21

Part NO.	Description	Sketch NO.
09841660Y	Tapping screw M1.6x6.0	A-34
09841670Z	Tapping screw M1.6x7.0	B-5
09842035Z	Tapping screw M2.0x3.5	C-1,9
09842050Z	Tapping screw M2.0x5.0	B-45,C-14
09851416W	Tapping screw M1.4x1.6	B-32
09851616Z	Tapping screw M1.6x1.6	C-5
09851620Z	Tapping screw M1.6x2.0	D-13
09851630W	Tapping screw M1.6x3.0	D-36
09851630Z	Tapping screw M1.6x3.0	B-48,D-1 C-24
09851660Y	Tapping screw M1.6x6.0	A-19
09852050Z	Tapping screw M2.0x5.0	D-8,E-20
09852060W	Tapping screw M2.0x6.0	E-19
L5911000	Module	F-1
L5911020	Holder	F-3
L5911030	Pressure plate	F-4
L5911060	Base plate assy	F-6
L5911125	Shield plate sssy	F-22
L5911127	SW	F-2
L5911143	Battery cover	F-5
L5911144	Battery contact(+)	F-19
L5911145	Battery contact(-)	F-20
L5911146	Screw A	F-25
L5911147	Screw C	F-26
L5911148	Screw D	F-27
L5911149	Screw E	F-28
L5911150	Screw F	F-29
L5911151	Battery holder	F-21
L5951010	Back cover assy	F-7-17

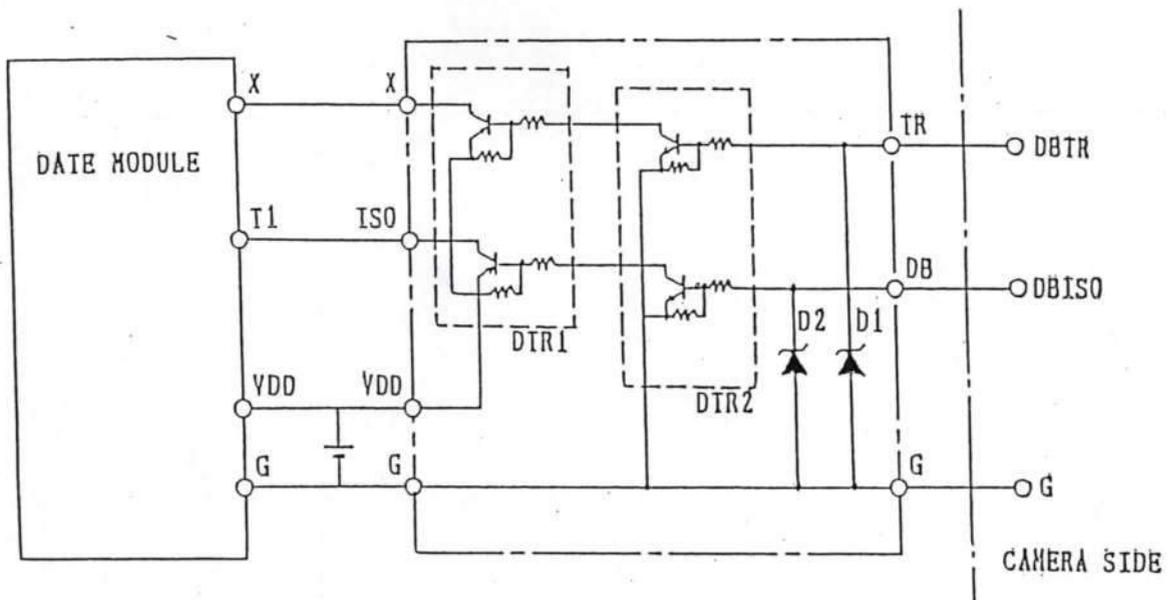
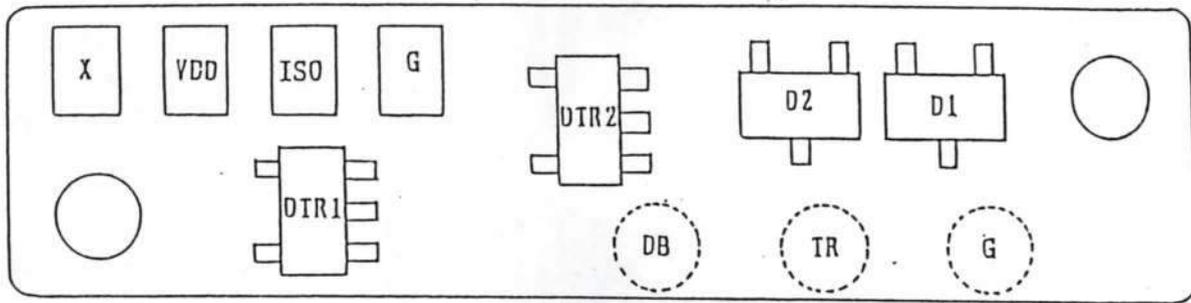
Note:

The item marked with "X" is a strategic product and is subject to the cocom regulations.

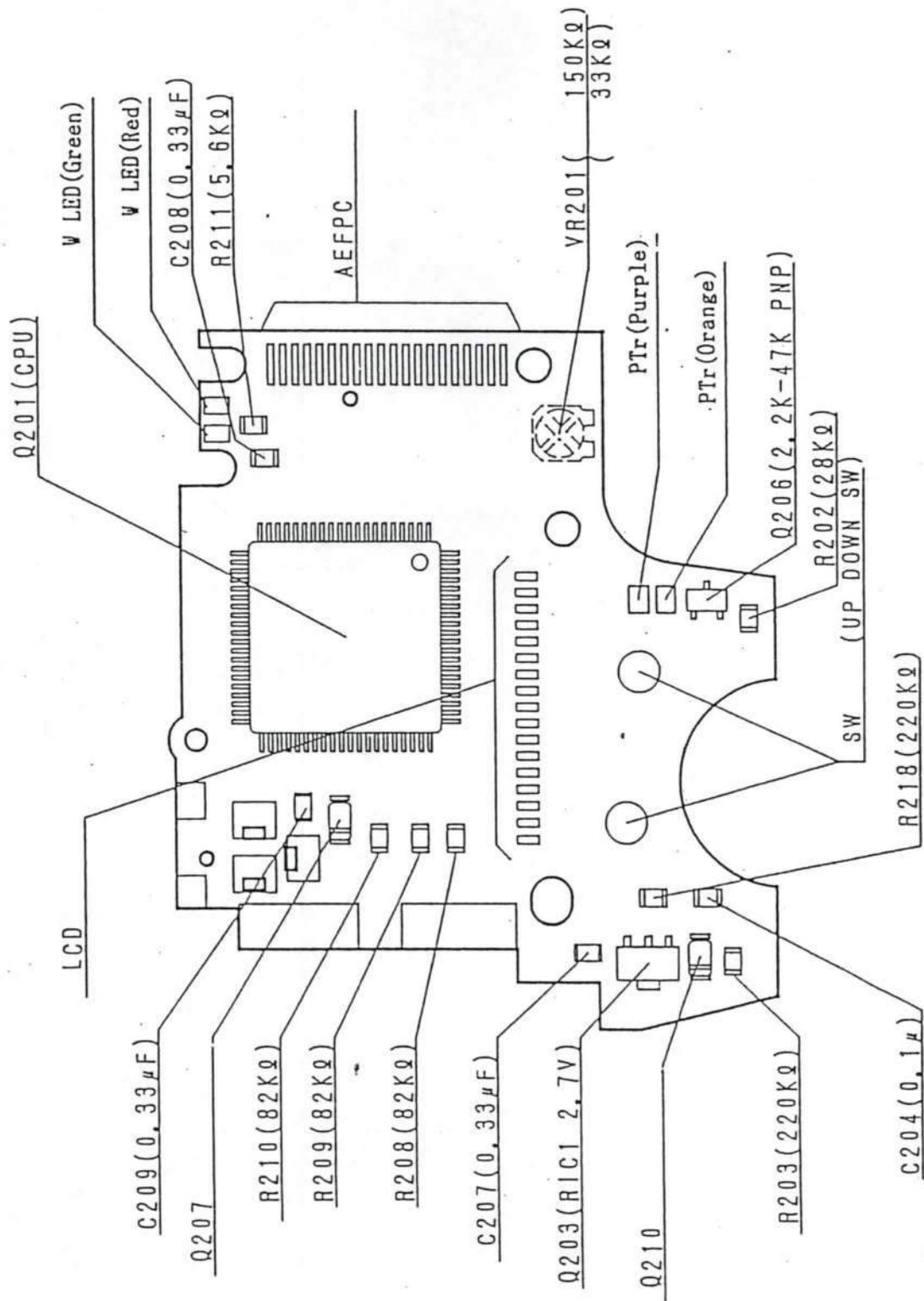
Reexport of such an item requires strict compliance with the export regulations of exporting countries.

Our acceptance of order is subject to the Japanese Government approval in export.

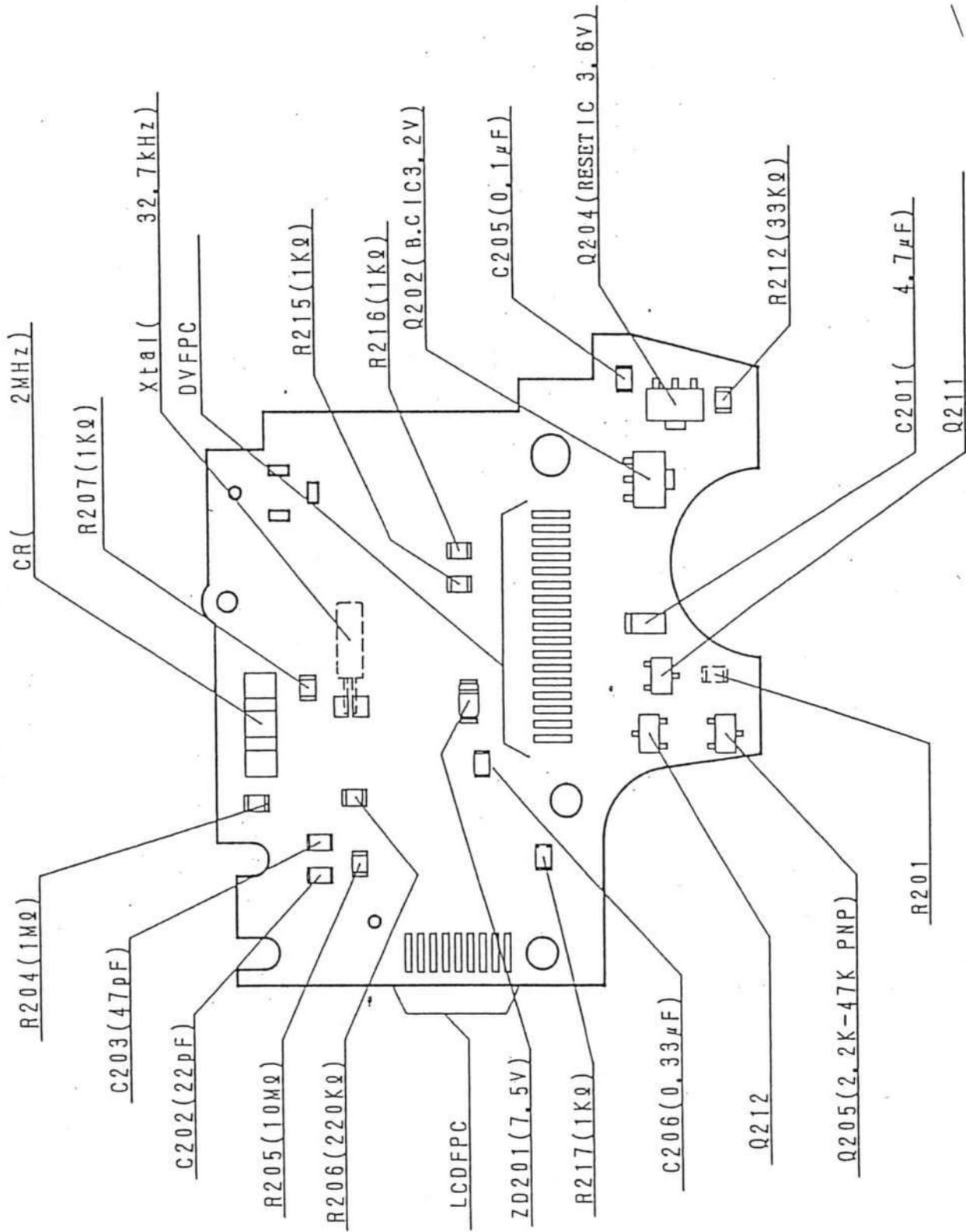
10. DATA BACK/SCHEMATIC DIAGRAM



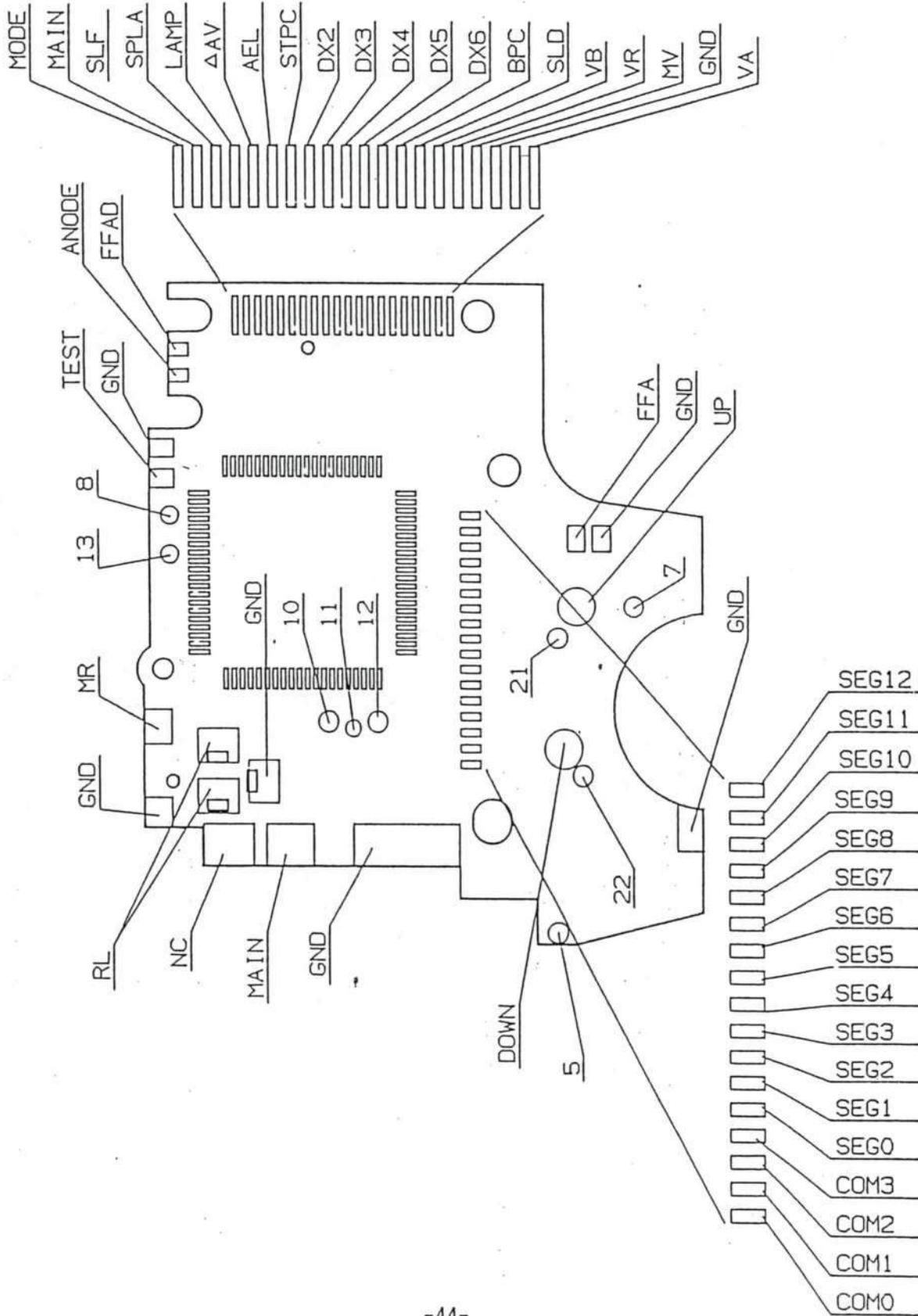
1-1-CPU PCB/PARTS ARRANGEMENT (Top view)



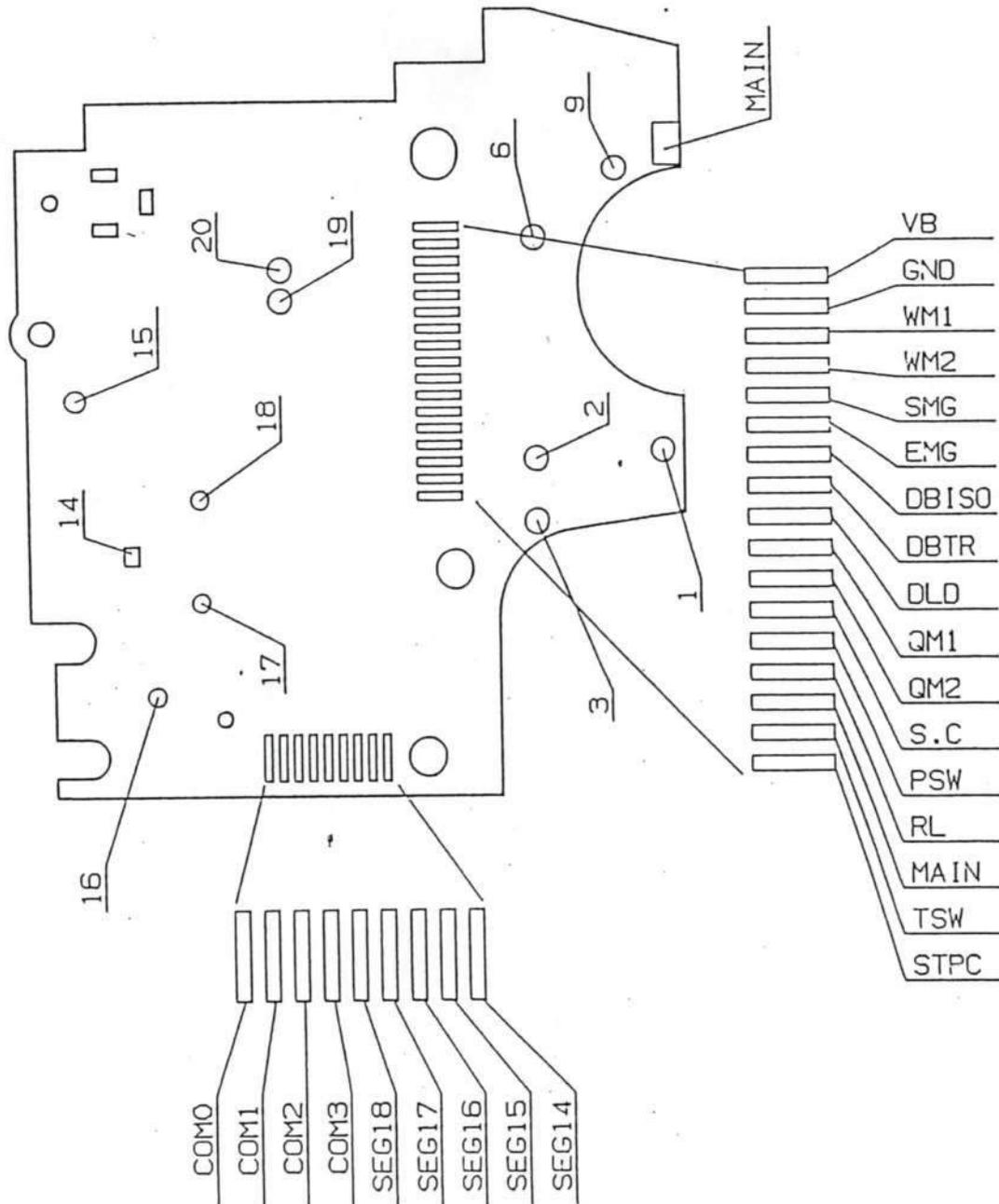
11-2.CPU PCB/PARTS ARRANGEMENT (Bottom view)



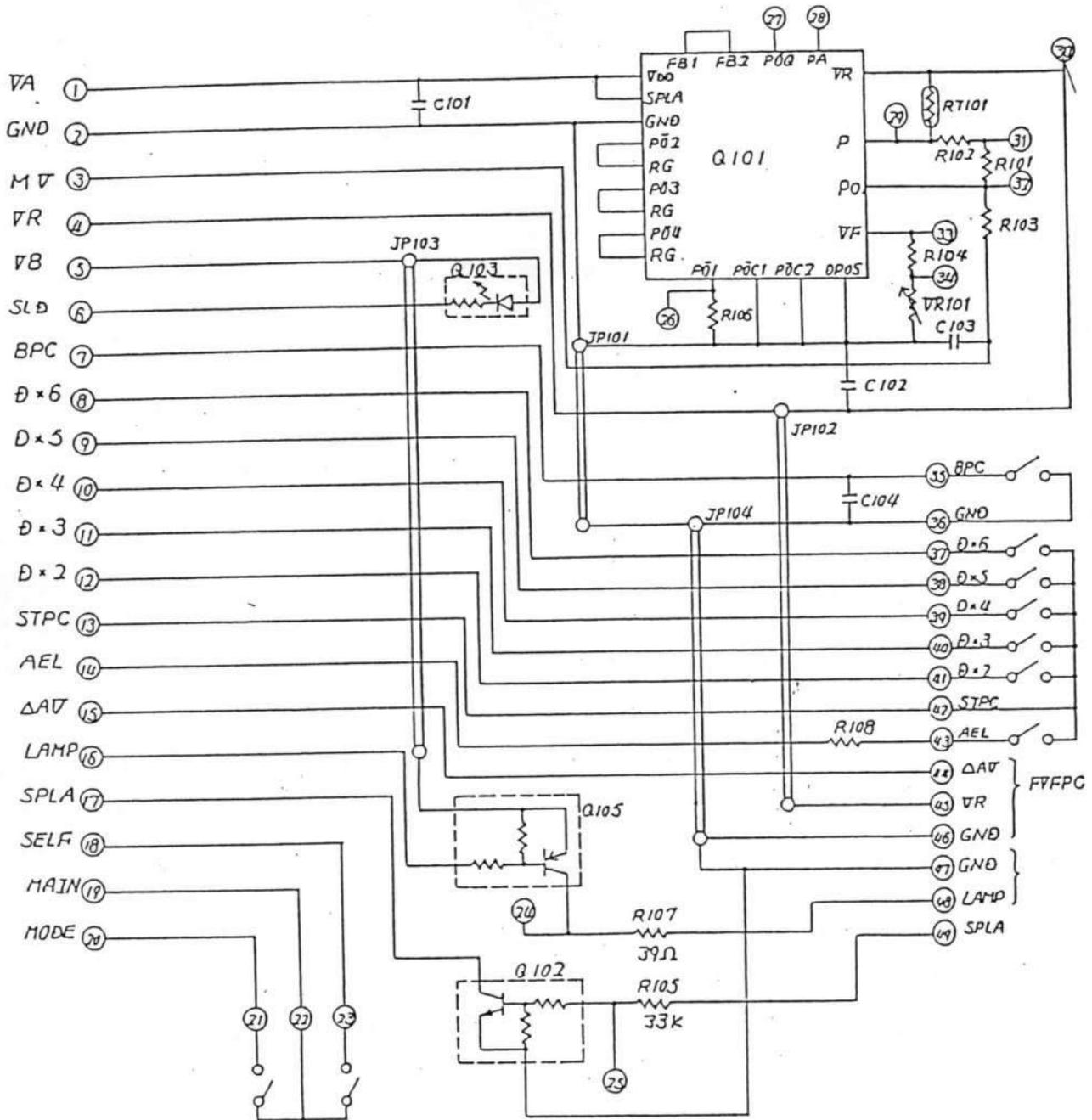
11-3. CPU PCB / TERMINAL NAME (Top view)



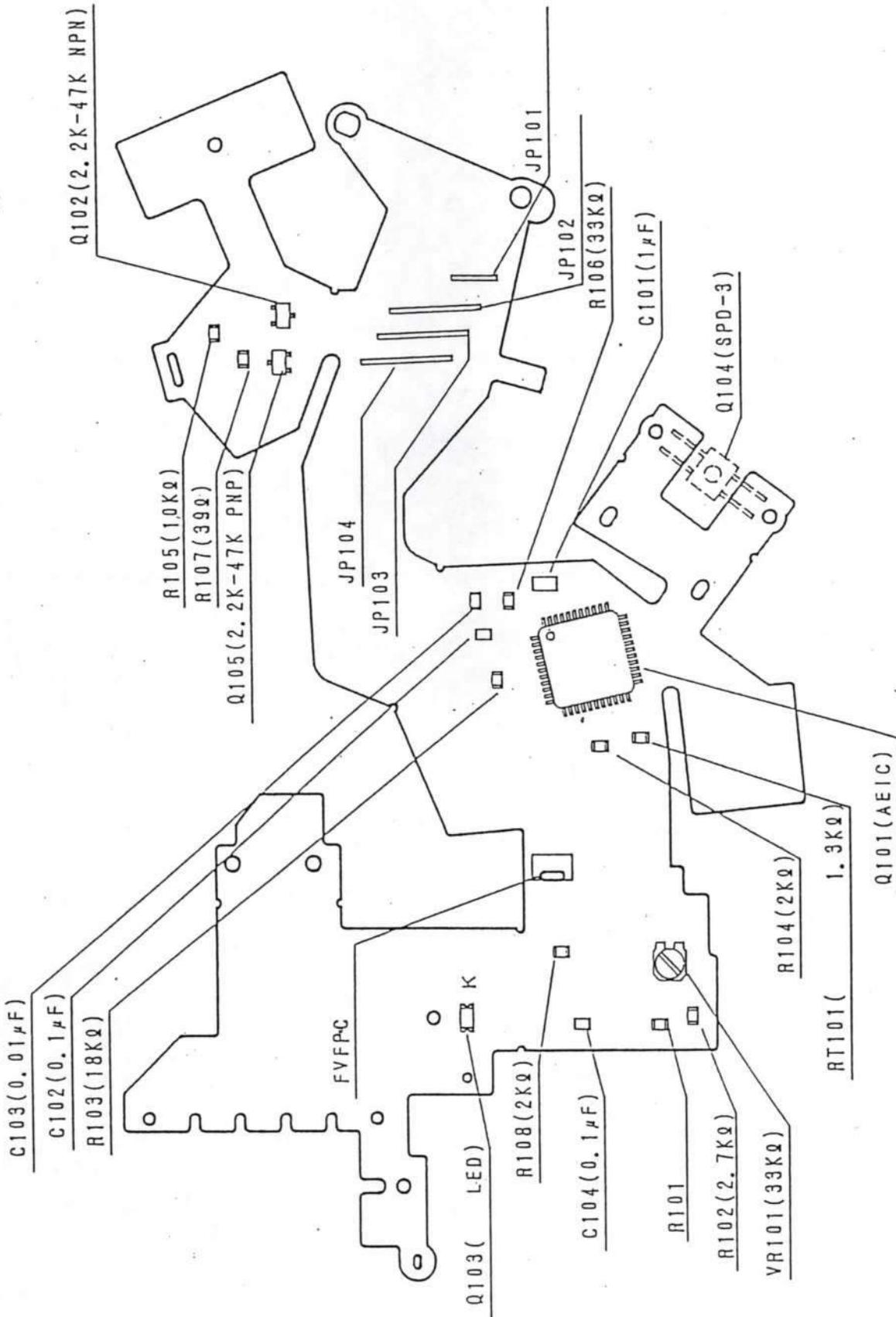
11-4. CPU PCB/TERMINAL NAME (Bottom view)



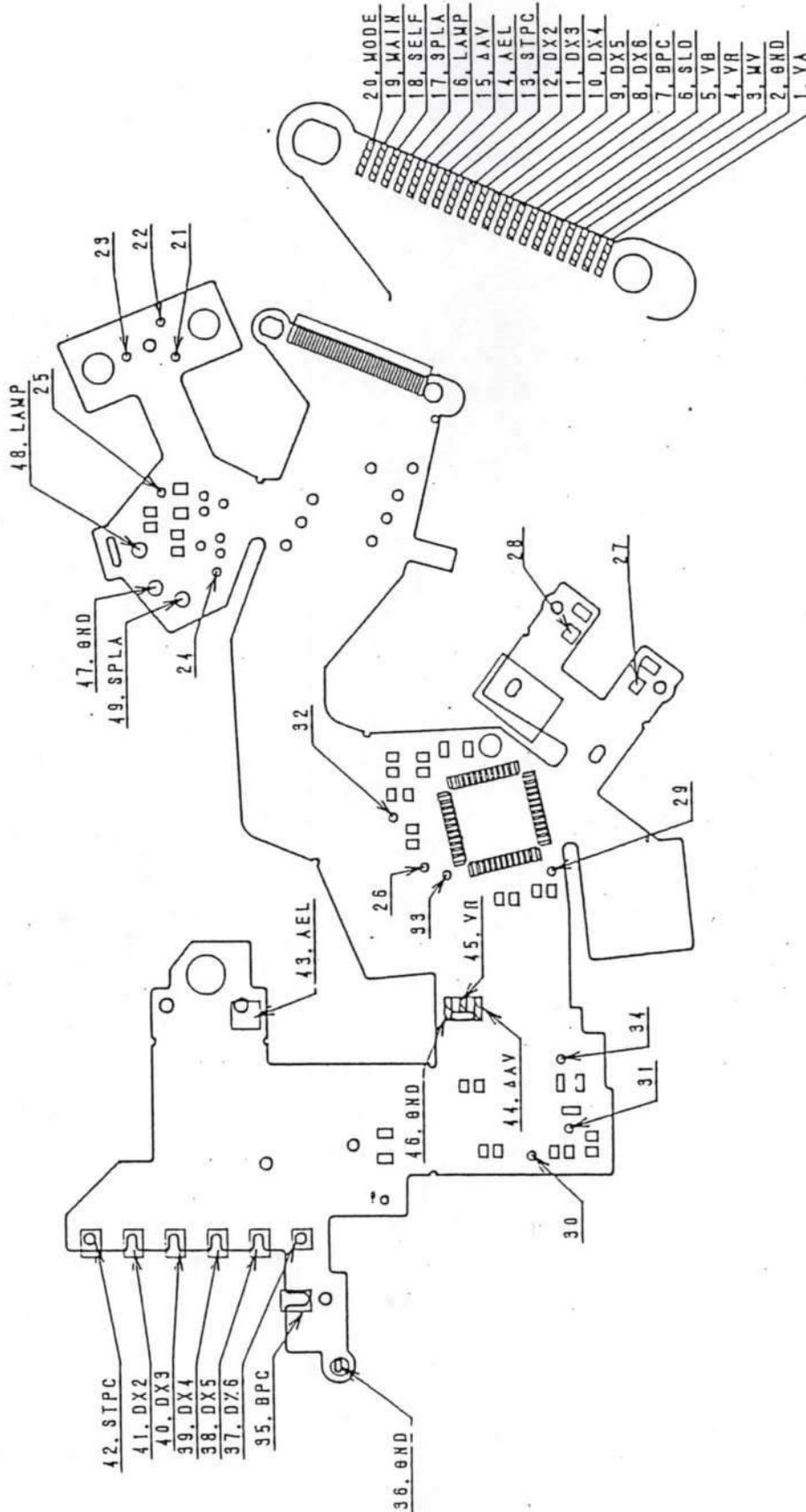
11-5. AE FPC/SCHEMATIC DIAGRAM



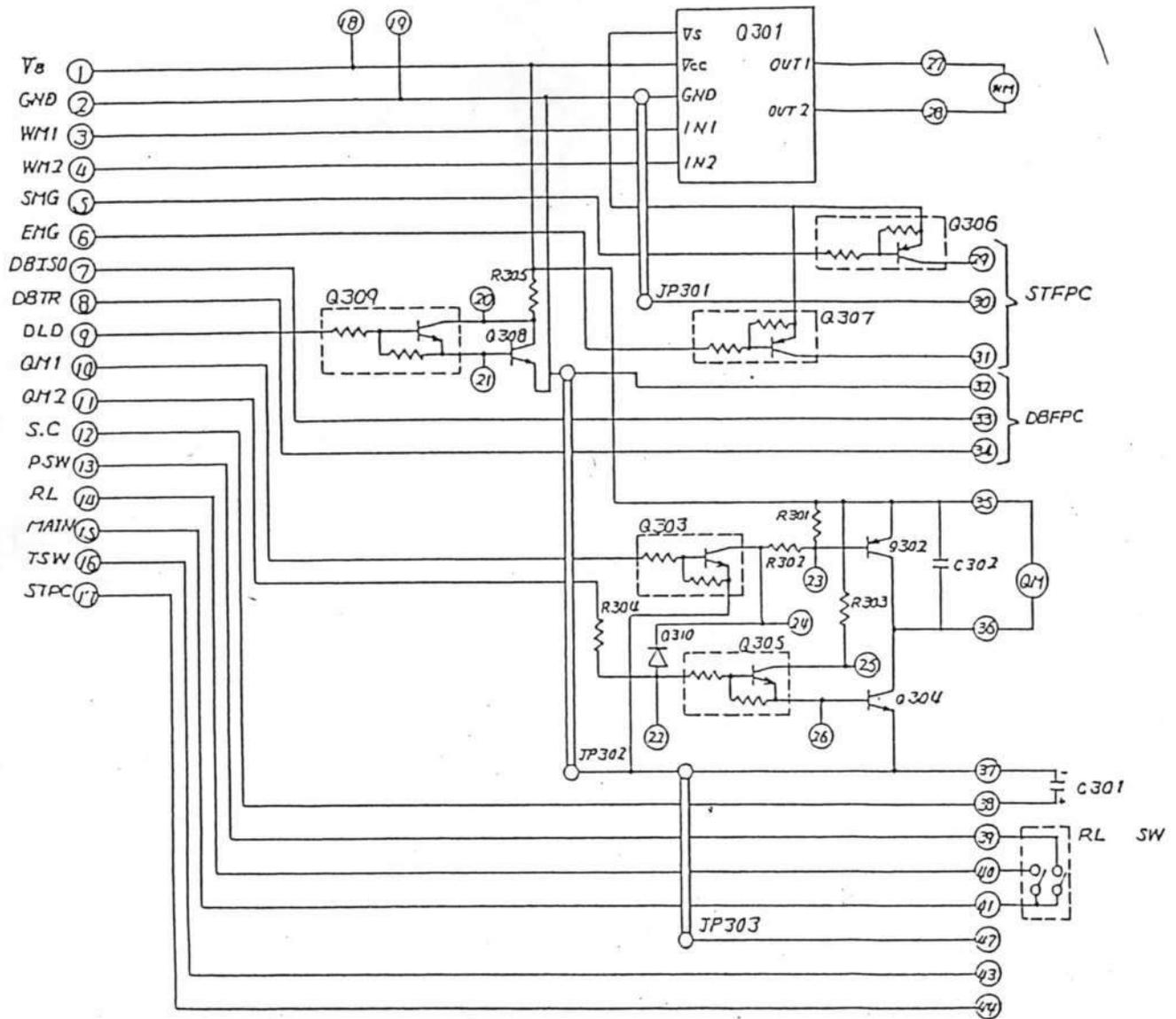
11-6.AE FPC/PARTS ARRANGEMENT



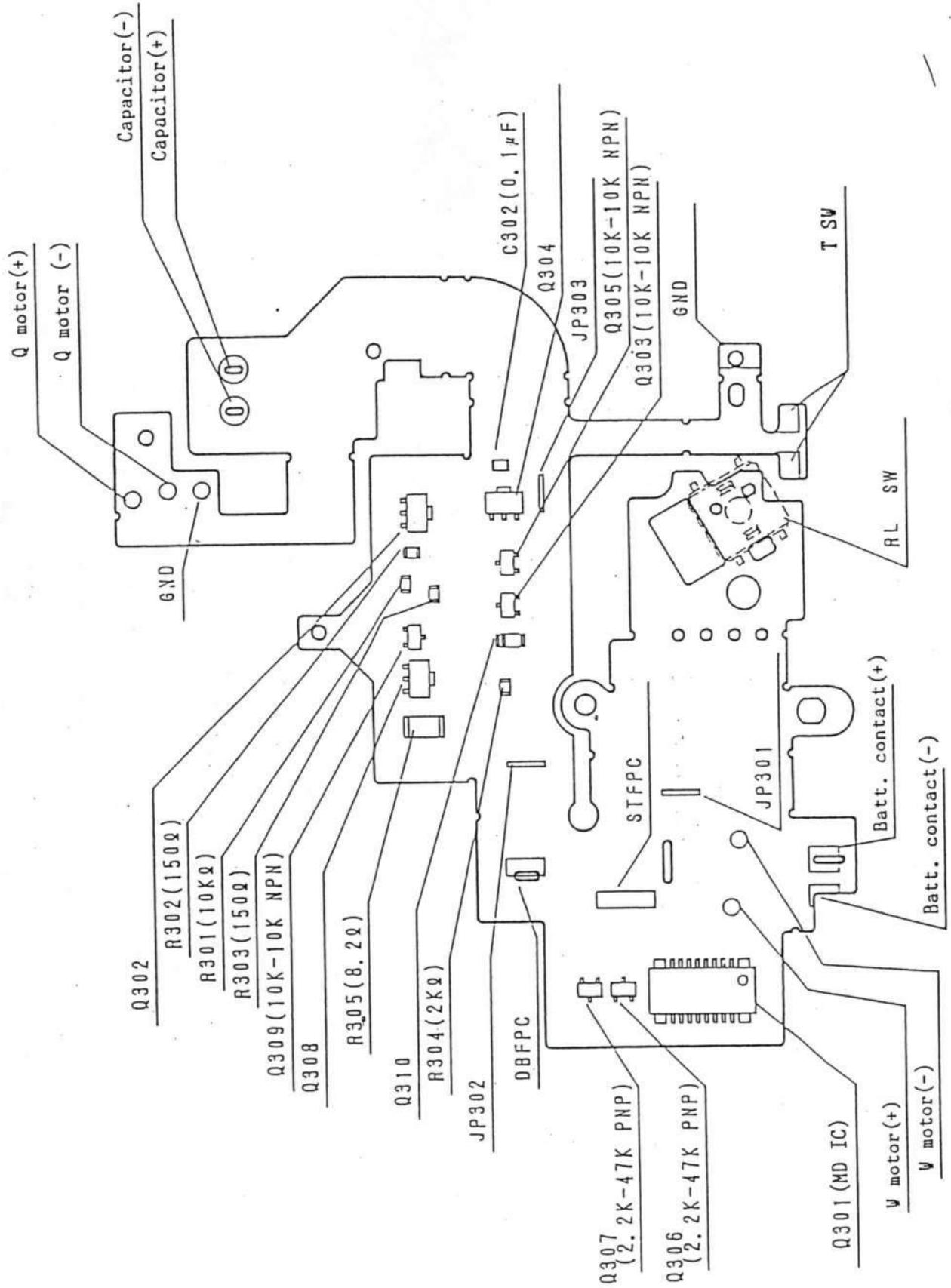
11-7.AE FPC/TERMINAL NAME

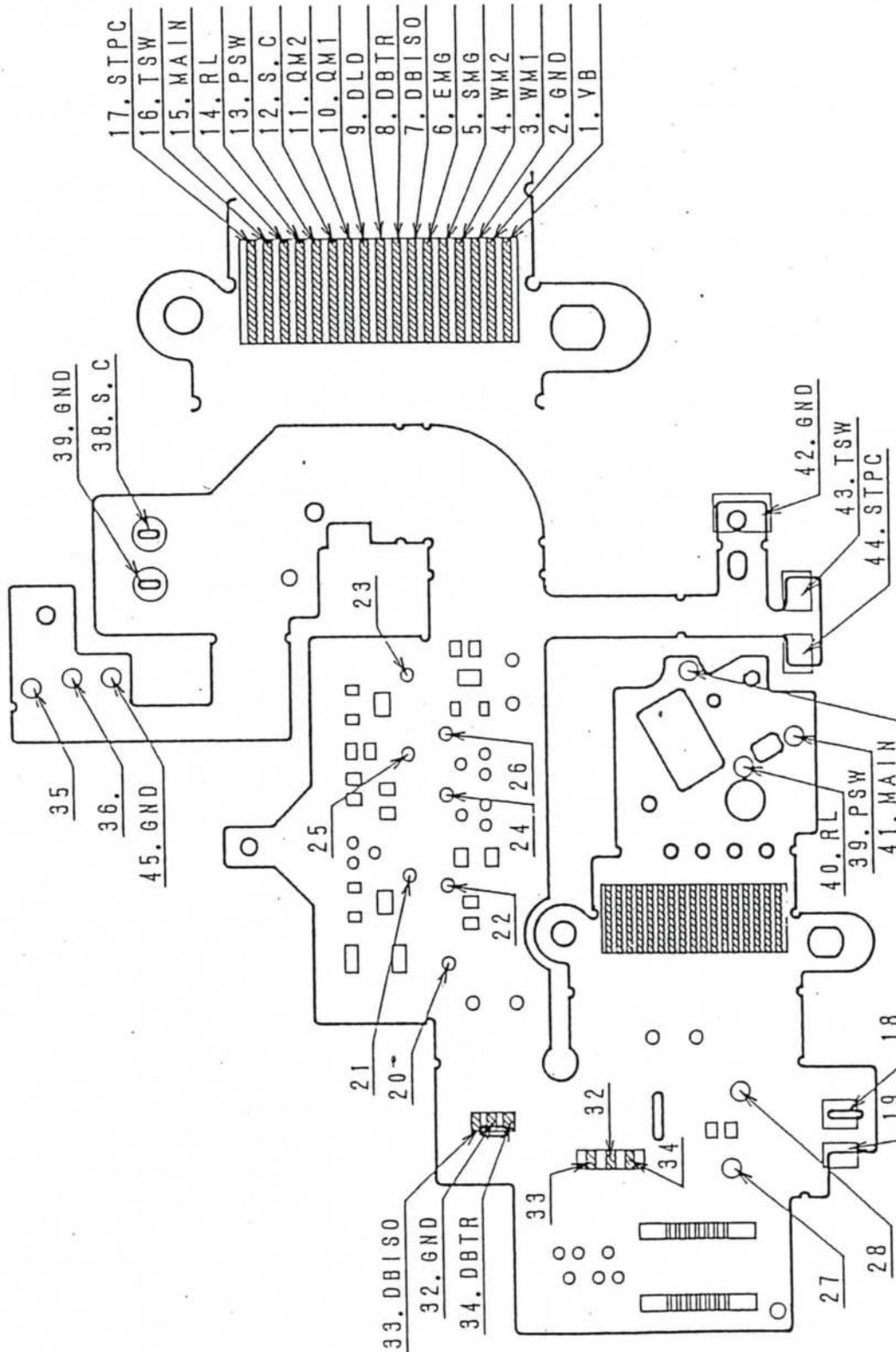


11-8. DV FPC/SCHEMATIC DIAGRAM



11-9. DV FPC/PARTS ARRANGEMENT





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