

CONTAX S2

Repair Manual



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A. DESCRIPTION OF MECHANISM

FEATURES

 Extra-Reliable, Mechanically Controlled High-Speed Shutter --- 1/4000 sec. max. and 1/250 sec. flash synch.

A full fourteen speed, vertically running metal shutter is mechanically controlled, offering a wide range of image freezing or blurring possibilities —— all the way from a very fast 1/4000 sec. to an extra slow 1 sec., plus the unlimited lengthy "bulb" setting. Additionally, this mechanical flash offers a very fast shutter speed flash synchronization at 1/250 sec., or slower if greater creativity is desired. Thus even under adverse weather and other conditions, the shutter can be accurately, precisely activated at all speeds, and completely without reliance in battery power.

 Enhanced Body Rigidity and Working Reliability - Titanium top/bottom/front casings, strengthened aluminum diecast body, dust/moisture resistant construction

Superior durability is a byword for the CONTAX S2's construction. By using titanium for the top and bottom covers as well as the front mount section, and adding this to a highly rigid aluminum diecast body, the camera's precision internal mechanisms are well protected, especially against extreme external shock. Also, a number of soft rubber protectors and seals are used in conjunction with major working parts so as to make the camera more resistant to dust, moisture and adverse weather conditions than conventionally designed SLRs.

3. Highly Accurate Pinpoint Metering System --- Spot-Metering System

To ensure top precision in light measurement, the tried-and proven spot-metering is employed in the CONTAX S2. The light sensor thus measures the brightness of the heavily weighted area essentially equal to that covered by the microprism ring (approx. ϕ 5mm) in the center of the viewfinder screen, and is thus not influenced by illumination outside this critical subject area. This reading is then transferred to the overexposure, shutter speed, B, underexposure readout at the right of the viewfinder screen. Similar in style to classic match-needle metering, an LED readout is used, instead of a mechanical needle, because it is faster acting and requires less battery power.

CONTAX S2 SPECIFICATIONS

Type : 35mm metal focal-plane shutter SLR camera

Lens mount : Contax/Yashica mount

Shutter : Mechanically controlled, vertically-running metal

focal-plane shutter

Shutter Speeds : B (bulb), 1 sec. ~ 1/4000 sec.

: X setting at 1/250 sec. or slower (w/direct X contact Flash Synch.

and synch. terminal)

Selftimer : Mechanical (delay of approx. 10 sec.)

: Mechanical (w/cable release socket, release lock) Shutter Release

Exposure Control : Manual, TTL spot (approx. Ø 5mm) metering coupled with

viewfinder panel readout

Metering Range : EV4 ~ 20 (ISO 100, f/1.4)

Film Speed Setting: Manual, ISO 12 ~ 6400

Viewfinder : Fixed eye-level pentaprism finder (long eyepoint) ; 95%

field-of-view; 0.82x magnification (w/standard 50mm

lens at∞)

: Horizontal split/microprism center spot on matte field Focusing Screen

(standard); interchangeable

Display in : LEDs for (top to bottom) flash indicator, overexposure

warning, shutter speeds (in use, preferred), underexposure Viewfinder

warning

Film Loading : Easy-loading multi-slotted take-up spool

Film Advance : Manual by lever with 30° stand-off angle, full 135°

for advance

Film Rewind : By pushing rewind button and turning rewind crank

: Mechanical, auto-resetting, additive type Exposure Counter

Multiple Exposure : Available using mechanical multi-exposure lever,

auto-resetting

Accessory Shoe : Direct X-contact (flash ready with dedicated flash units)

Back Cover : Pull up rewind knob release ; Film advance indicator

Power Source : Two 1.5V alkaline (LR44) or two 1.55V silver oxide (SR44)

(for exposure meter) batteries

Battery Check

Automatic (viewfinder battery check mark blinks if power is insufficient)

Depth-of-Field

: Preview button

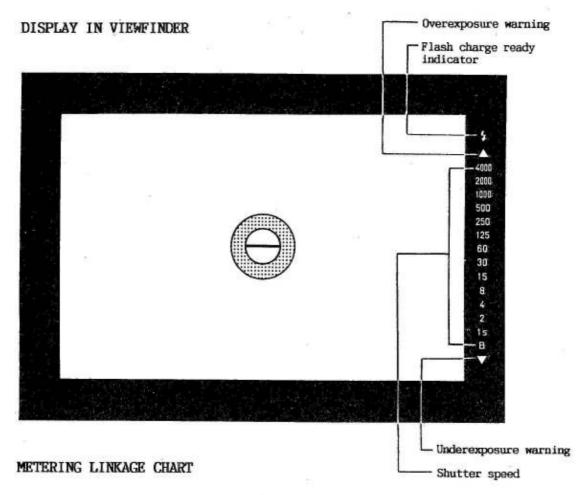
Dimensions and

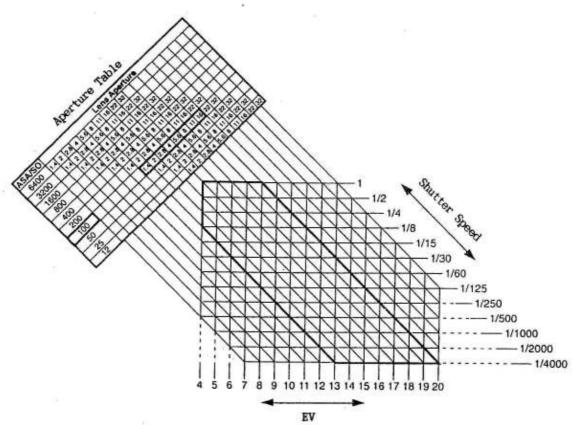
: 134.5 (W) \times 89 (H) \times 51 (D) mm (5-5/16 \times 3-1/2 \times 2 inches).

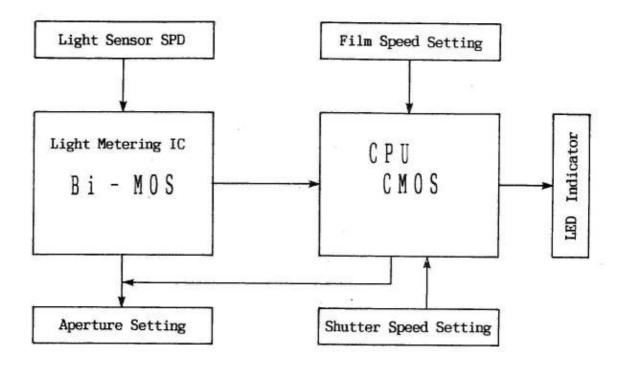
Weight

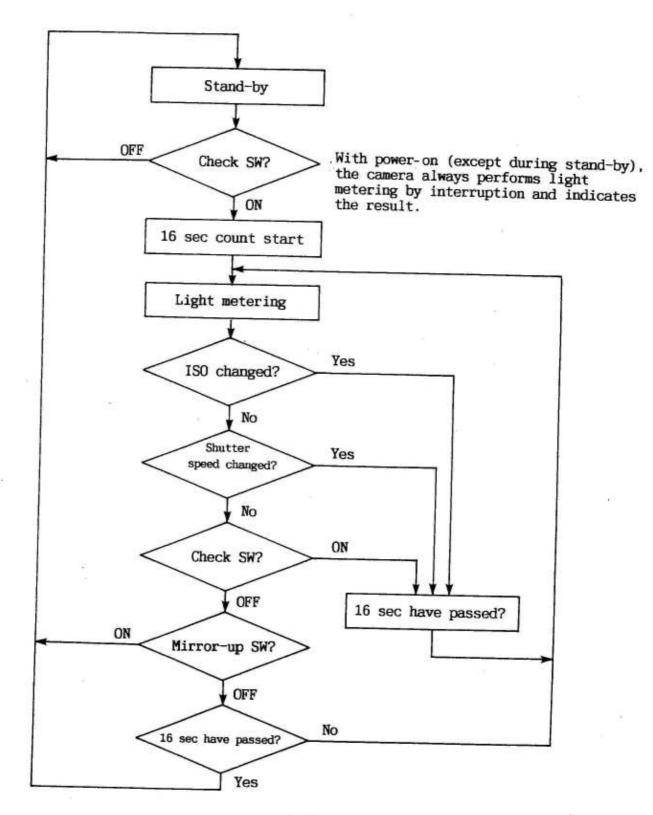
approx. 565g (20 oz.) (w/o batteries)

^{*} Specifications and design are subject to change without notice.









DESCRIPTION OF ELECTRIC CIRCUITRY

Light Metering Circuit

1. Outline

The photocurrent flowing in the SPD at the top of the eyepiece is dual slope integrated by the analog IC. The result of integration is operated by the CPU and indicated by the LEDs in the viewfinder.

Functions

- ① The aperture data is input to the analog IC via the slide resistor. The CPU calculates an optimum shutter speed from the analog IC output and ISO code data. And the set value and optimum value of shutter speed are indicated by the LEDs in the viewfinder.
- ② The CPU operates the analog switch (IC4) and shuts off the input of aperture data to the analog IC. From the analog IC, the CPU receives the data proportional to exposure, which is independent of the aperture, and, according to the data, switches the brightness (2 levels) of the LED in the viewfinder.

Operation

- 1 PORT51 (4 pin) is turned to "Hi" to turn ON the analog switch (IC4).
- 2 PORT52 (5 pin) is turned to "Lo" for 10 msec. (SP signal is output.)
- ③ The analog IC is charged according to the exposure of the SPD and the aperture value while the CLOCK. IN terminal (connected to PORT52) is turned to "Lo" (for 10 msec). And it starts discharge when the CLOCK. IN terminal turns "Hi". The COMP. OUT terminal is kept to "Lo" from the start of charge to the end of discharge.
- 4 The output from the COMP. OUT terminal is inverted by Q11 and is inputed to the PORTC2 (14 pin) and SIRQ (16 pin) terminals of the CPU.
- (5) From this pulse width and ISO data (input through PORT40 to 43, PORTCO), the CPU calculates an optimum shutter speed.
- 6 PORT51 (4 pin) is turned to "Lo" to turn OFF the analog switch (IC4).
- (7) Like (2), PORT52 (5 pin) is turned to "Lo" for 10 msec. (SP signal is output.)
- (8) The analog IC is charged according to the exposure of the SPD (independent of aperture value) while the CLOCK. IN terminal (connected to PORT52) is turned to "Lo" (for 10 msec). And it starts discharging when the CLOCK. IN terminal turns "Hi". The COMP. OUT terminal is kept to "Lo" from the start of charge to the end of discharge.
- (9) Like (4), the output from the COMP. OUT terminal is inverted by Q11 and is inputed to the PORTC2 (14 pin) and SIRQ (16 pin) terminals of the CPU.
- 10 From this pulse width, the CPU calculates the brightness of the subject.

- (1) The CPU receives the set value of shutter speed through PORT30 to 33 (38,40, 41 and 42 pins) and outputs the set value and optimum value of shutter speed to the LEDs in the viewfinder by driving Q21 to 25 through PORT00 to 21 (26 to 35 pins).
- (12) When the brightness of the subject calculated at (10) is LV8 or below, "Hi" is outputed from PORT50 (3 pin) and Q28 is turned ON to lower the brightness of the LED. When the brightness of the subject is LV9 or above, "Lo" is outputed from PORT50 (3 pin) and Q28 is turned ON to raise the brightness of the LED. When it is between LV8 and LV9, the brightness of the LED is kept as before.

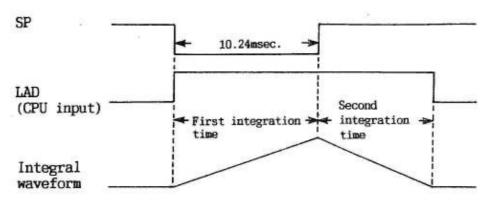


Table 1 Relationship between integration time and shutter time at ISO100

2nd integration time (msec.)	Shutter speed indication	2nd integration time (msec.)	Shutter speed indication
0 ~ 0.128	A	6.528 ~ 6.656	30 · 60
$0.128 \sim 0.256$	A	6.656 ~ 6.784	30 · 60
$0.256 \sim 0.384$	A	6.784 ~ 6.912	30 - 60
$0.384 \sim 0.512$	A	6.912 ~ 7.040	30
$0.512 \sim 0.640$	A	$7.040 \sim 7.168$	30
•	I	7.168 ~ 7.296	15 - 30
$2.176 \sim 2.304$	A	$7.296 \sim 7.424$	15 · 30
$2.304 \sim 2.432$	A	$7.424 \sim 7.552$	15 · 30
$2.432 \sim 2.560$	4000	$7.552 \sim 7.680$	15
$2.560 \sim 2.688$	4000	$7.680 \sim 7.808$	15
2.688 ~ 2.816	2000 • 4000	7.808 ~ 7.936	8 · 15
$2.816 \sim 2.944$	2000 • 4000	7.936 ~ 8.064	8 - 15
$2.944 \sim 3.072$	2000 - 4000	8.064 ~ 8.192	8 · 15
$3.072 \sim 3.200$	2000	8.192 ~ 8.320	8
$3.200 \sim 3.328$	2000	8.320 ~ 8.448	8
$3.328 \sim 3.456$	1000 - 2000	8.448 ~ 8.576	4 · 8
1	:	1	1
$4.224 \sim 4.352$	500 • 1000	9.216 ~ 9.344	2 · 4
$4.352 \sim 4.480$	500	9.344 ~ 9.472	
$4.480 \sim 4.608$	500	9.472 ~ 9.600	2
$4.608 \sim 4.736$	250 - 500	9.600 ~ 9.728	2
$4.736 \sim 4.864$	250 - 500	9.728 ~ 9.856	1 - 2
$4.864 \sim 4.992$	250 - 500	9.856 ~ 9.984	1 · 2
$4.992 \sim 5.120$	250 - 500	9.984 ~ 10.112	1 · 2
$5.120 \sim 5.248$	250	10.112 ~ 10.240	1
$5.248 \sim 5.376$	250	10.240 ~ 10.368	1
$5.376 \sim 5.504$	125 - 250	10.368 ~ 10.496	V
5.504 ~ 5.632	125 · 250	10.496 ~ 10.624	~
5.632 ~ 5.760	125	10.624 ~ 10.752	▼
5.760 ~ 5.888	125		1
$5.888 \sim 6.016$	60 · 125	19.840 ~ 19.968	Y
$6.016 \sim 6.144$	60 · 125	19.968 ~ 20.096	▼
6.144 ~ 6.272	60 · 125	20.096 ~ 20.224	Ť
$6.272 \sim 6.400$	60	20.224 ~ 20.352	*
6.400 ~ 6.528	60	20.352 ~ 20.480	•

BC Circuit

1. Outline

The analog IC detects B1 level (2.5V) and gives a warning indication. At 2.4V or below, the reset IC stops all functions of the camera.

2. Functions

- The indications of light metering value and set value blink in the viewfinder at 1 Hz when the power voltage comes to 2.5V or below.
- ② All the functions of the camera stop when the power voltage drops to 2.4V or below.

3. Operarion

- 1 At power ON by turning ON the check switch, PORTOO (26 pin) and PORTO2 (28 pin) are turned to "Hi" at the same time for 4 msec.
- ② Q12 turns ON and current flows through R25.
- 3 The power voltage is divided by R01, R02 and VR5, and is inputed to the VJB terminal (22 pin) of the analog IC and compared with the reference voltage (Vs) inside the IC. And the "Hi" signal is outputed from the BATT terminal (23 pin) when the power voltage comes to 2.5V or below.
- 4 The BATT terminal is connected to PORT23 (37 pin) of the CPU. When the input to this port turns "Hi", the CPU blinks the indication in the viewfinder at 1 Hz.
- (5) When the power voltage drops to 2.4V or below, the output from the reset IC (IC3) turns "Lo". Then the RST terminal (24 pin) turns "Lo" and the CPU stops all the functions of the camera.

Power-Hold

1. Outline

The power is automatically turned off if 16 seconds pass without any change of ISO setting or shutter speed setting with the check switch in OFF position. Even before the 16 seconds pass, the power will be turned OFF immediately if the shutter is released or preview operation is made.

2. Functions

- 1 Holds the power for 16 seconds, as a rule.
- ② Maintains the power hold when the check switch is kept ON.
- 3 Holds the power for 16 seconds after turning ON and then OFF the check switch.
- 4 Holds the power for 16 seconds after change of ISO setting or shutter speed setting.
- Turns the power OFF immediately after the shutter release or the preview operation.
- 6 Turns the power ON only by turning ON the check switch.

3. Operation

- ① When 16 seconds have passed without any change of the ISO or shutter dial setting with the check switch turned OFF (with PORTBO (8 pin) turned "Hi"), "Lo" is outputed from PORT53 (7 pin), the power to the analog IC is turned OFF and the CPU comes to STOP status. (At the same time, the oscillator stops oscillating.)
- ② Counting of 16 seconds is not performed when the check switch is ON.
- 3 Counting is started when the check switch is turned ON and then OFF.
- 4 After detection of change of ISO setting (PORT40 to 43, CO) or shutter speed setting (PORT30 to 33), counting of 16 seconds is started from the beginning.
- (5) When the mirror-up switch (PORTC3) is turned ON with the check switch in ON position, the camera does not come to STOP till the detection of the turning-OFF of both switches. However, these two switches are connected with a diode so that the mirror-up switch is not turned ON singly. (This state occurs at shutter release or preview operation.)
- 6 Once the power is turned OFF, it is not turned ON until a rise edge is inputed to PORTBO to B3. (Check switch only)

DESCRIPTION OF SWITCHES

1. Check Switch

Location of switch: Under the shutter release

Condition of switch ON:

The check switch is turned ON when the shutter release is pressed halfway down.

Functions of switch:

- 1 Power is turned ON by turning ON the check switch.
- 2 Power-hold is maintained by turning ON the check switch.
- When the check switch and the mirror-up switch are turned ON at the same time, the power is turned OFF after the detection of the turning-OFF both switches.

2. Mirror-up Switch

Location of switch: In the lower part of the mirror box

Condition of switch ON:

The mirror-up switch is turned to ON in interlock with the aperture stop-down mechanism.

Functions of switch:

After the mirror-up switch is turned to ON and then OFF, the power is turned to OFF at the turning-OFF of the check switch.

DESCRIPTION OF IC TERMINALS

IC1 (CPU)

Pin No.	Terminal Name	1/0	Symbol	Description of Terminal	
01	PORT42	IN	IS02	ISO code input terminal 2	
02	PORT43	IN	IS03	ISO code input terminal 3	
03	PORT50	OUT	KID0	LED brightness switching output	
04	PORT51	OUT	A.SW	Analog switch control output	
05	PORT52	OUT	SP	SP signal output	
06	NC			NC	
07	PORT53	OUT	Vcc.CONT	Vcc control output	
08	PORTB0	IN	CHECK.SW	Check switch input	
09	PORTB1	IN	A.CHECK1	Amplifier check input 1	
10	PORTB2	IN	A.CHECK2	Amplifier check input 2	
11	PORTB3			NC	
12	PORTCO ·	IN	ISO4	ISO code input terminal 4	
13	PORTC1			NC	
14	PORTC2	IN	LAD	LAD signal input (same as SIRQ)	
15	PORTC3	IN	M.UP.SW	Mirror-up switch input	
16	SIRQ	IN	LAD	LAD signal input (same as PORTC2)	
17	ĪRQ			NC	
18	Vss		GND	GND	
19	OSC1		OSC1	Ceramic oscillator (2 MHz) input terminal 1	
20	OSC2		OSC2	Ceramic oscillator (2 MHz) input terminal 2	
21	Voo		VBAT	VBAT	
22	XI			NC	
23	хо			NC	
24	RST	IN	RST	Reset input (connected to 2.4V reset IC output terminal)	

IC1 (CPU)

Pin No.	Terminal Name	I/0	Symbol	Description of Terminal		
25	SYNC			NC		
26	PORTO0	OUT	COMO	A	30	
27	PORTO1	OUT	COM1	4000	15	
28	PORTO2	OUT	COM2	2000	8	Indication by LEDs in viewfinder
29	PORTO3	OUT	COM3	1000	4	
30	PORT10	OUT	COM4	500	2	1/8 duty
31	PORT11	OUT	COM5	250	1	
32	PORT12	OUT	COM6	125	В	
33	PORT13	OUT	COM7	60	▼	
34	PORT20	OUT	SEG0	▲ 4000 2000 1000 500 250 125 60		00 2000 1000 500 250 125 60
35	PORT21	OUT	SEG1	30 15 8 4 2 1 B ▼		5 8 4 2 1 B 🔻
36	PORT22			NC		
37	PORT23	IN	B1	B1 warning signal input		g signal input
38	PORT30	IN	SHUTTERO	Shutter code input terminal 0		ode input terminal 0
39	NC			NC		**************************************
40	PORT31	IN -	SHUTTER1	Shutt	er co	ode input terminal 1
41	PORT32	IN	SHUTTER2	Shutt	Shutter code inout terminal 2	
42	PORT33	IN	SHUTTER3	Shutt	Shutter code input terminal 3	
43	PORT40	IN	ISO0	ISO c	ISO code input terminal 0	
14	PORT41	IN	ISO1	ISO code input terminal 1		

IC2 (Analoge IC)

Pin No.	Terminal Name	I/0	Symbol	Description of Terminal
01	Ph1			SPD cathode (same as 3 pin)
02	Ph2			SPD anode
03	Ph1			SPD cathode (same as 1 pin)
04	Phc			Capacitor connection between this and Ph1
05	OFFSET1			Offset adjusting terminal 1 of light metering amplifier
06	OFFSET2			Offset adjusting terminal 2 of light metering amplifier
07	Jr		Jr	Vr adjusting feedback terminal
80	Vr		Vr	Reference voltage in IC (Vs + 288mV) adjusted by VR2
09	Vs		Vs	Reference voltage in IC (Vcc - 1.4V)
10	NC			NC
11	NC			NC
12	NC			NC
13	NC			NC
14	NC			NC
15	VF		VF	Aperture data input terminal (input from apeature board)
16	VA		VA	ISO data input terminal (input fixed by RO4 and RO5)
17	۷J		VJ	Exposure (inclination) adjusting input terminal
18	Vcc		Vcc	Vcc
19	REF.IN			NC .
20	NC			NC
21	REF.OUT			NC
22	VJB			Comparator input for B1 level detection (Resistance-devided input to V BAT)
23	BATT			Output terminal for B1 level detection

IC2 (Analog IC)

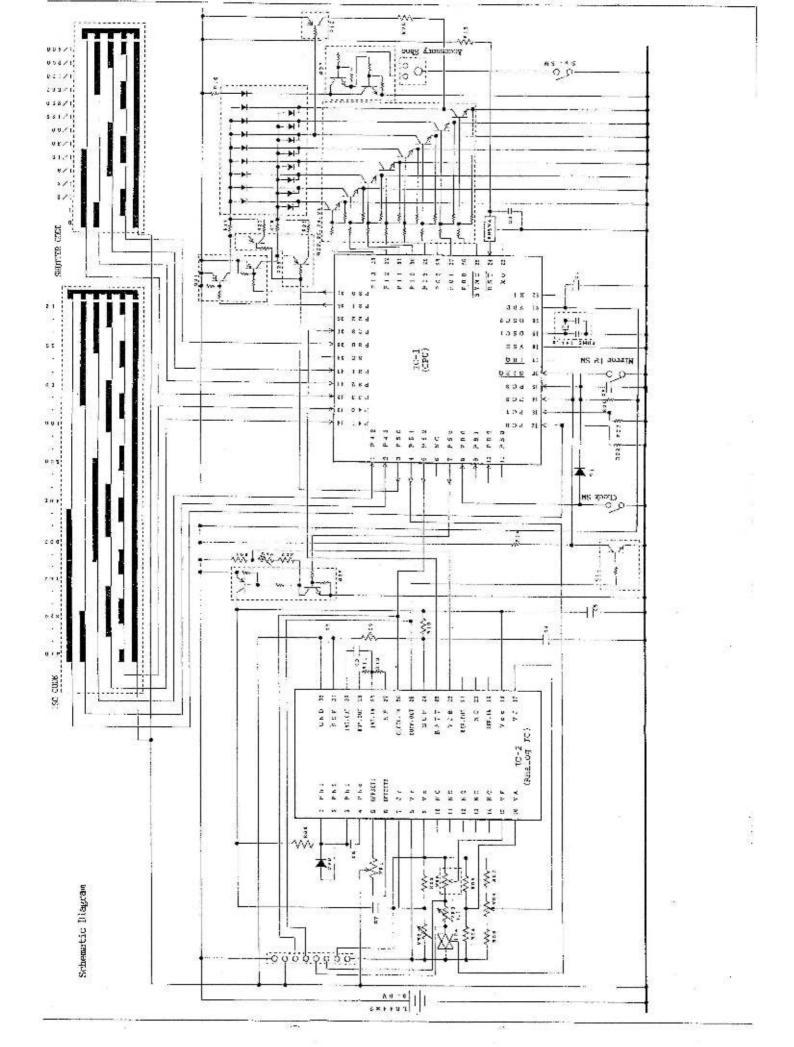
Pin No.	Terminal Name	1/0	Symbol	Description of Terminal
24	SUP			Capacitor and resistor connecting terminal for speed-up circuit
25	COMP.OUT			LAD signal output terminal
26	CLOCK.IN			SP signal input terminal
27	RF			Integration clamp resistor connection
28	INT.IN			Terminal for connecting integration resistor and capacitor
29	BUF.OUT			Buffer output
30	INT.OUT			Integration output
31	SUP -			Capacitor and resistor connecting terminal for speed-up circuit
32	GND		GND	GND

DESCRIPTION OF ELECTRIC PARTS

Symbol	Name	Function
IC1	CPU	Light metering calculation Indication Battery check
IC2	Analog IC	Light metering Battery check
IC3	Reset IC	CPU hard reset
IC4	Analog switch	Switch between normal light metering (incl. aperture data) and subject brightness measuring
Q11	NPN digi. tra.	LAD signal inversion
Q12	PNP digi. tra.	Battery check dummy load ON-OFF
Q21	PMP digi. tra.X 2	LED drive (SEG. side)
Q22	NPN digi. tra. x 2	LED drive (COM. side)
Q23	NPN digi. tra. x 2	LED drive (COM. side)
Q24	NPN digi. tra. X 2	LED drive (COM. side)
Q25	NPN digi. tra.X 2	LED drive (COM. side)
Q26	NPN, PNPTr + R	Vcc on - off
Q27	NPN digi. tra.x 2	Drive of flash charge ready LED
Q28	PNP digi. tra.x2	LED brightness switching resistor ON-OFF
VR1	Semifixed resistor	Offset adjustment
VR2	Semifixed resistor	Vr adjustment
VR3	Semifixed resistor	Resistance adjustment for aperture stop-down
VR4	Semifixed resistor	Exposure (inclination) adjustment
VR5	Semifixed resistor	B1 level adjustment
R01	Resistor 30K	B1 level adjusting resistance
R02	Resistor 7.5K	B1 level adjusting resistance
R03	Resistor 30K	Vr adjusting resistance
R04	Resistor 30K	ISO dividing resistance (dummy)
R05	Resistor 18K	ISO dividing resistance (dummy)

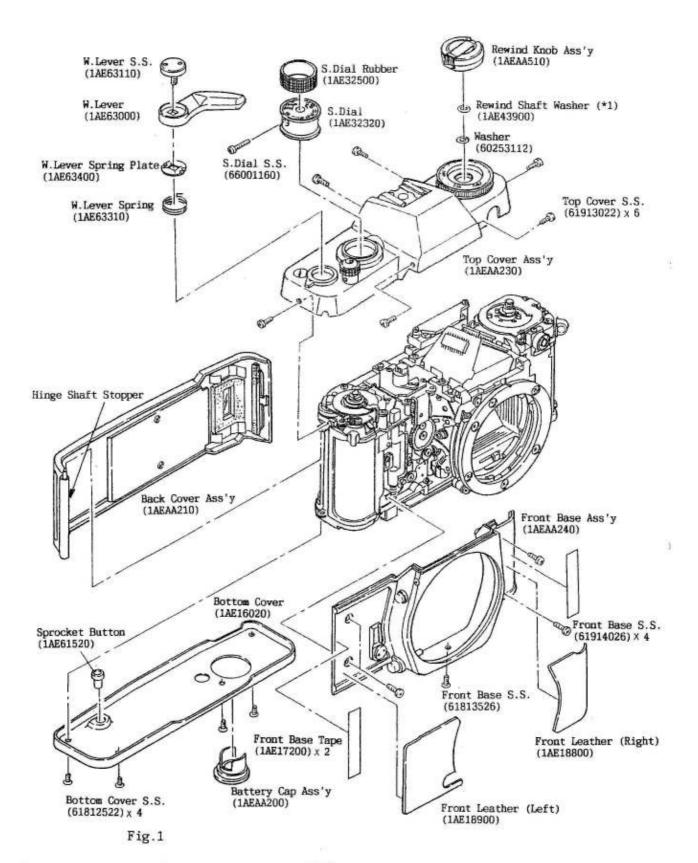
Symbol	Name	Function
R06	Resistor 22K	Exposure adjusting resistance
R07	Resistor 7.5K	Exposure adjusting resistance
R08	Resistor 300K	Output stabilizing resistance
R09	Resistor 510K	Starting speed-up circuit for light metering
R10	Resistor 220K	Starting speed-up circuit for light metering
R11	Resistor 100K	Integration resistance
R12	Resistor 100K	Integration clamp resistance
R13	Missing No.	
R14	Resistor 100K	Pull-up resistance for LAD inversion
R15	Resistor 3.3K	Input smoothing resistance for reset IC
R16	Resistor 300	Current limiting resistance for flash charge ready LED
R17	Resistor 750	Current limiting resistance for shutter speed LED
R18	Resistor 750	Current limiting resistance for shutter speed LED
R19	Missing No.	
R20	Resistor 300	Current limiting resistance for LED brightness adjustment
R21	Resistor 300	Current limiting resistance for LED brightness adjustment
R22	Resistor 1M	PORTCO pull-down resistance
R23	Resistor 1M	PORTC1 pull-down resistance
R24	Missing No.	
R25	Resistor 200	B1 check dummy load
R26	Resistor 510K	Current limiting resistance for release switch delay
C1	Tantalum capacitor 10 µ	CPU power (V BAT) smoothing capacitor
C2	Ceramic capacitor 0.1µ	Vs level smoothing capacitor
C3	Ceramic capacitor 0.1µ	Integration capacitor
24	Ceramic capacitor 0.015µ	Starting speed-up circuit for light metering

Symbol	Name	Function
C5	Tantalum capacitor 1µ	Analog IC power (Vcc) smoothing capacitor
C6	Ceramic capacitor 30P	SPD stabilizing capacitor
C7	Ceramic capacitor 0.047µ	Starting speed-up circuit for light metering
C8	Ceramic capacitor 0.047µ	Input voltage smoothing capacitor for reset IC
C9	Tantalum capacitor 1µ	Release switch delay circuit
D1	Diode	Check switch ON by release ON
SPD	SPD	Light metering SPD
X'tal	Ceramic oscillator	Generation of CPU main clock (FB resistor and capacitor incorporated



B. DISASSEMBLY & REASSEMBLY PROCEDURE

Removal of Exterior Parts



B-1 REMOVAL OF EXTERIOR PARTS

B-1-1 Removal of Back Cover Ass'y

 Open the Back Cover Ass'y (1AEAA210) by pulling up the Rewind knob Ass'y. Remove the Back Cover Ass'y while pressing down the Hinge Shaft Stopper.

B-1-2 Removal of Bottom Cover

- Remove the Battery Cap Ass'y (1AEAA200).
- 2) Remove the Bottom Cover Setscrews (61812522) X 4.
- 3) Remove the Bottom Cover (1AE16020) and Sproket Button (1AE61520).

B-1-3 Removal of Top Cover Ass'y

Remove the W. Lever Setscrew (1AE63110).

Notes:

- a) The W. Lever Setscrew is a reverse screw.
- b) Since the W. Lever Setscrew is locked with Loctite, take due care when removing it.
- Remove the W. Lever (1AE63000), W. Lever Spring Plate (1AE63400) and W, Lever Spring (1AE63310).
- 3) Position the "60" on the S. Dial (1AE32320) at the Shutter Speed Index on the Top Cover.
- Remove the S. Dial Rubber (1AE32500) and then the S. Dial Setscrew (66001160).
 Remove the S. Dial (1AE32320).
- 5) Remove the Rewind Knob Ass'y (1AEAA510) and Washer (60353112).

Note:

- a) The Rewind Shaft Washer (1AE43900) (Polyslider t: 0.25), marked with *1, is used to correct the idling torque of the Rewind knob, when it is too low.
- 6) Remove the Top Cover Setscrews (61913022) X 6.
- 7) Unsolder (see Fig.2) the green, orange and black lead wires coming from the Hot Shoe while holding up the Top Cover Ass'y (1AEAA230) and then remove the Top Cover Ass'y.

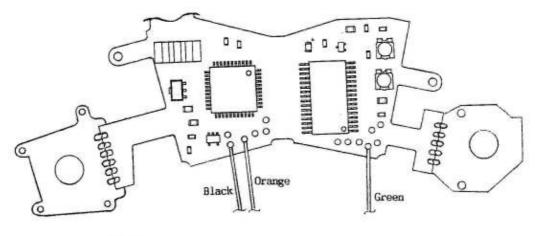
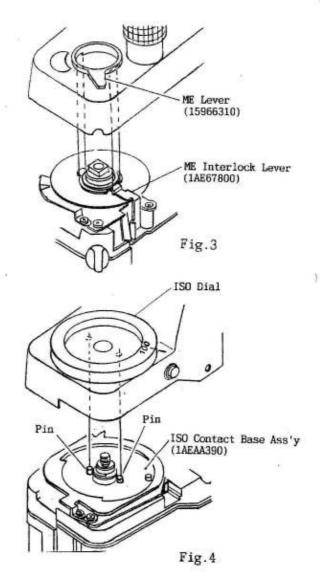


Fig.2

[Notes on Reassemly of Top Cover Ass'y]

a) Fit the cut portion of the ME Lever (15966310) on the ME Interlock Lever (1AE67800) when installing the Top Cover Ass'y.

b) Position the pins of the ISO Contact Base Ass'y (1AEAA390) as shown in Fig.3 (at ISO 100). When installing the Top Cover Ass'y, position the "100" of the ISO Dial at the ISO Index on the Top Cover.



B-1-5 Removal of Front Base Ass'y

- 1) Peel off the Leather (Right) (1AE18810).
- 2) Peel off the Leather (Left) (1AE18910).

Notes:

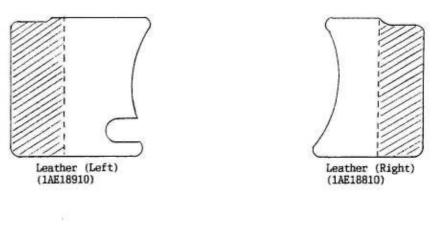
- a) The Leather (left) may be removed without removing the Selftimer Lever.
- b) Use the Front Base Tapes (1AE17200) X 2 to correct the misalignment of the leather surfaces between the Front Base and the Body.
- Remove the Front Base Setscrews (61813526) and (61914026) X 4 and take off the Front Base Ass'y (1AEAA240).

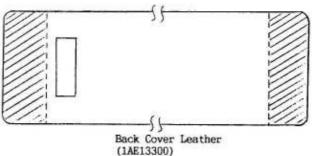
[Notes on Attaching of Leather]

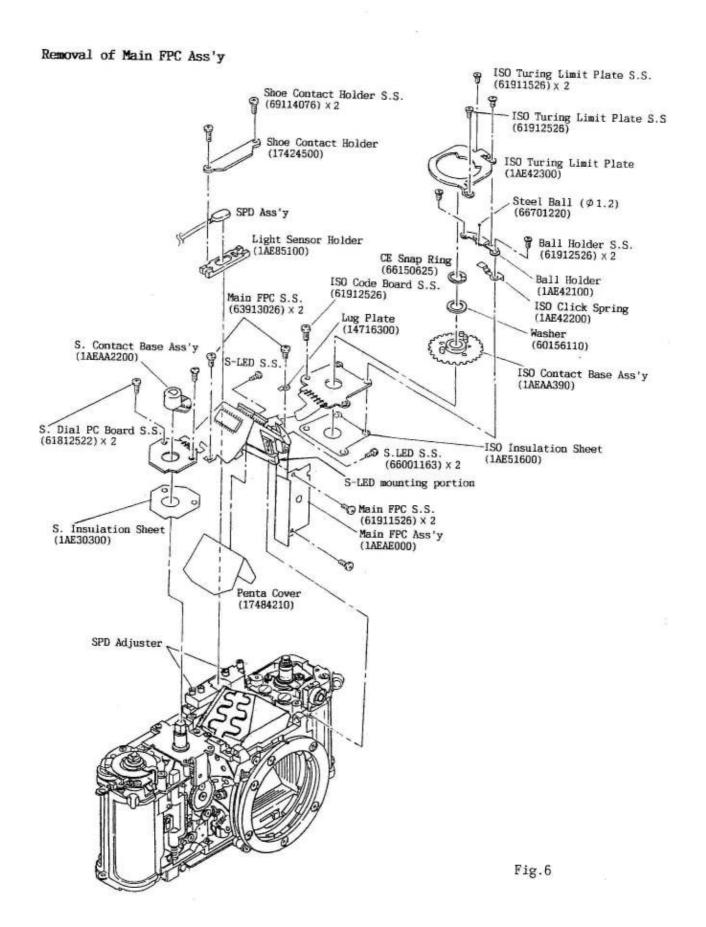
The back of each Leather has been coated with adhesives. Before attaching the Leather (Left), Leather (Right) and Back Cover Leather, however, apply a thin film of bond (Ever Grip) to the specified edges of the adhesion surfaces of the Leathers.

Otherwise, the Leathers can easily come off.

* Apply bond on the back surfaces of the following hatched areas:







B-2 REMOVAL OF MAIN FPC ASS'Y

B-2-1 Removal of S.Dial PC Board

1) Remove the S. Contact Base Ass'y (1AEAA220).

Note:

- a) Take care not to deform or damage the contact on the S. Contact Base.
- 2) Remove the S. Dial PC Board Setscrew (61812522) X2.
- 3) Remove the S. Dial PC Board (1AE51500) and S. Insulation Sheet (1AE30300).

B-2-2 Removal of ISO Code Board

- Remove the ISO Turning Limit Plate Aetscrews (61911526) X 2 and (61912526) and take off the ISO Turning Limit Plate (1AE42300).
- Remove the CE Snap Ring (66150625) and take off the Washer (60156110) and ISO Contact Base Ass'y (1AEAA390).

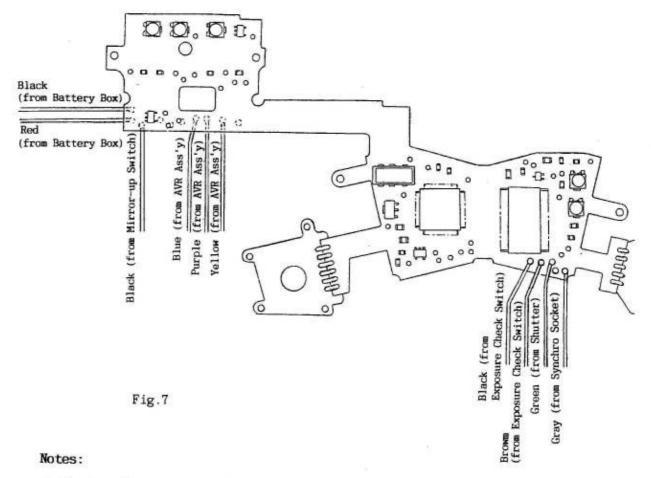
Note:

- a) Take care not to deform or damage the contact on the ISO Contact Base.
- Remove the Ball Holder Setscrews (61912526) X2 and take off the Ball Holder (1AE42100), ISO Click Spring (1AE42200) and Steel Ball (66701220) together.
- Remove the ISO Code Board Setscrews (61912526) and take off the ISO Code Board.

B-2-3 Removal of Main FPC Ass'y

- Unsolder the gray lead wire (coming from Synchro Socket).
- 2) Unsolder the green lead wire (coming from Shutter Unit).
- 3) Unsolder the brown and black lead wires (coming from Exposure Check Switch).
- 4) Unsolder the red and black lead wires (coming from Battery Box).
- 5) Unsolder the purple, yellow and blue lead wires (coming from AVR Ass'y)
- 6) Remove the Shoe Contact Holder Setscrews (69114076) X 2 and take off the Shoe Contact Holder (17424500), SPD Ass'y (1AEAE200) and Light Sensor Holder (1AE85100).
- 7) Remove the Main FPC Setscrews (61912226) X2.
- 8) Remove the Main FPC Setscrews (63912520) X2 and take off the Lug Plate (14716300).

- 9) Remove the S-LED Setscrews (66001163) X 2.
- 10) Remove the Main FPC Ass'y (1AEAE000).

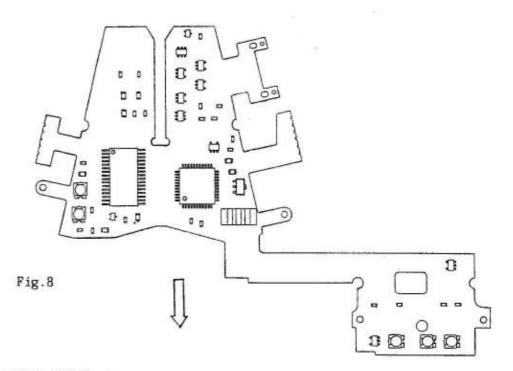


- a) The Lug Plate (14716300) will be disused in the course of production. (See page B-10)
- b) When the S-LED Setscrews (66001163) X 2 have been removed and thus the S-LED mounting portion is moved, adjust the shutter speed indicator position in the viewfinder. (See page C-9)
- c) Do not turn either of the two SPD Adjusters (pins for adjusting spot metering position). If the SPD Adjusters have been turned, make the adjustment of spot metering position. (See page C-8)
- d) To remove the Main FPC Ass'y and Mirror Box Ass'y together, there is no need of removing the Main FPC Setscrews (63912520) × 2, S-LED Setscrews (66001163) × 2 and Shoe Contact Holder (17424500) or unsoldering the blue, yellow and brown lead wires coming from the AVR Ass'y.

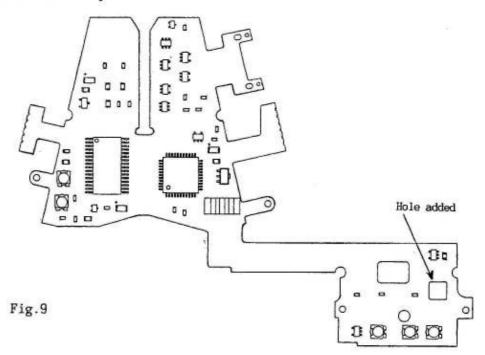
[Charge of CPU]

* In the course of production, the CPU was changed, the pattern on the Main FPC was modified and the Auxiliary Board and Lug Plate were disused.

Old Main FPC Ass'y



New Main FPC Ass'y



* The Auxiliary Board and Lug Plate (14716300) are not used with the new Main FPC Ass'y.

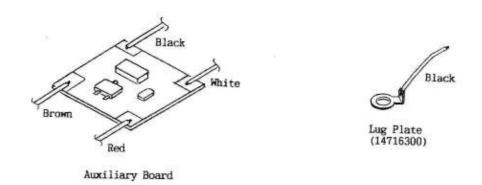
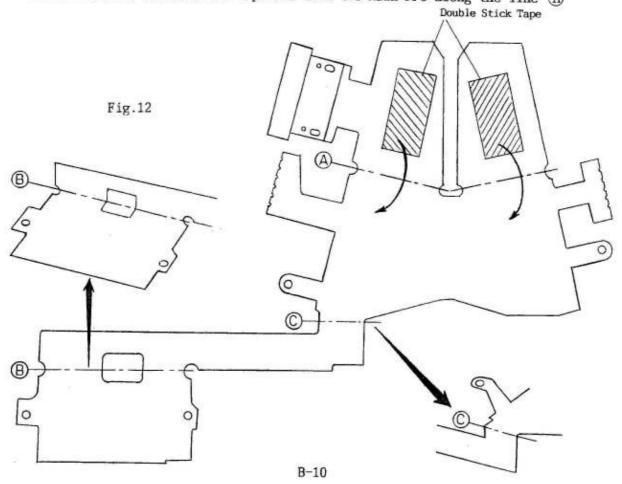


Fig.10

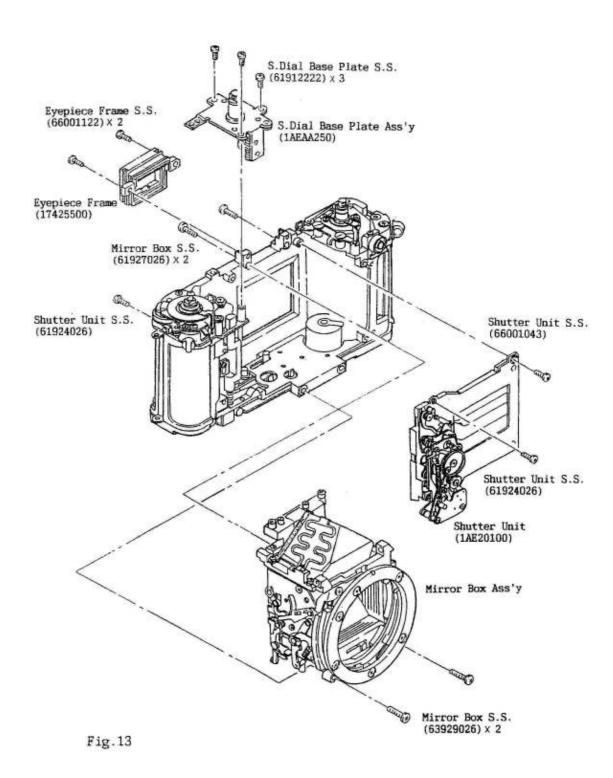
Fig.11

[Forming of Main FPC]

Attach Double Stick Tape to the back of the Main FPC Ass'y, peel off the base sheet from the Double Stick Tape and fold the Main FPC along the line $\stackrel{\frown}{\mathbb{A}}$



Removal of Mirror Box Ass'y & Shutter unit



B-3 REMOVAL OF MIRROR BOX ASS'Y

B-3-1 Removal of S. Dial Base Plate Ass'y

- 1) Remove the S. Dial Base Plate Setscrews (61912526) X 3.
- 2) Remove the S. Dial Base Plate Ass'y (1AEAA250).

B-3-2 Removal of Mirror Box Ass'y

- Remove the Eyepiece Frame Setscrews (66001122) X 2 and take off the Eyepice Frame (17425500).
- Remove the Mirror Box Setscrews (63927026) X 2 and (63929026) X 2.
- 3) Remove the Mirror Box Ass'y (1AEAB010).

[Installation of S. Dial Base Plate Ass'y]

- 2) With the D-cut surface of the shaft facing as shown in Fig.14, install the S. Dial Base Plate on the Body.

Notes:

- a) In the early stage of production, a Wahser (60121820) was provisionally used under the S. Dial Base Plate Ass'y. The Washer is not used with the new S. Dial Base Plate, which is different from the old one in the position of the caulked hole for Idle Gear.
- b) Tighten the screw ①
 while pushing the Base
 Plate in the direction
 of the arrow.
 Then tighten the screws
 ② and ③ in this order.
 This procedure is a
 provisional measure to
 prevent the Shutter Dial
 from being caught.

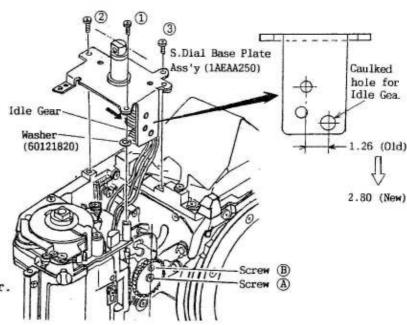


Fig.14

B-4 REMOVAL OF SHUTTER UNIT

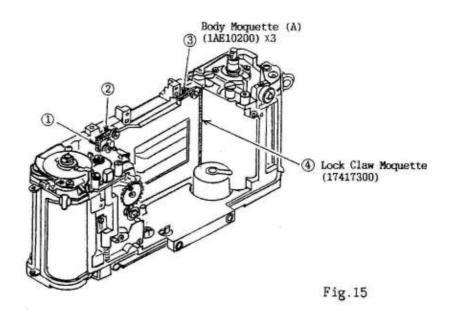
B-4-1 Removal of Shutter Unit

- 1) Remove the Shutter Unit Setscrews (61924026) X 2 and (66001043).
- 2) Remove the Shutter Unit (1AE20100).

Note:

a) One of the Shutter Unit Setscrews (61924026) is located under the Body Shield (Lower). Remove the Shutter Unit Setscrew with care not break the Body Shield (Lower).

[Installation of Body Shielding Moquettes]



[How to Attach]

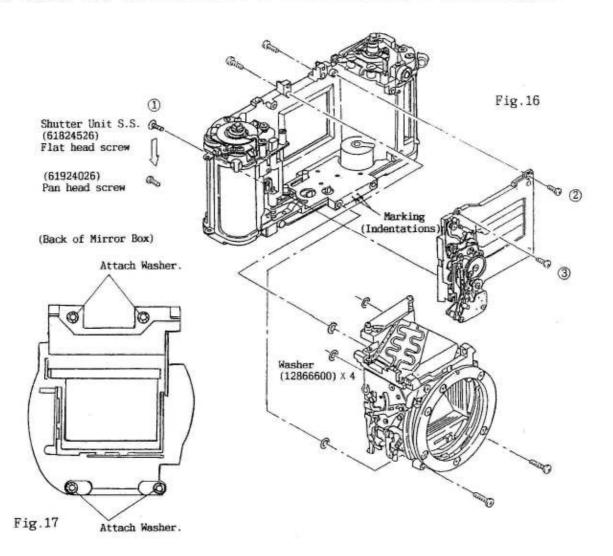
Attach the Body Moquette (A) 3 to the Shutter unit.

Attach the Body Moquettes (A) 1 and 3 to the Body.

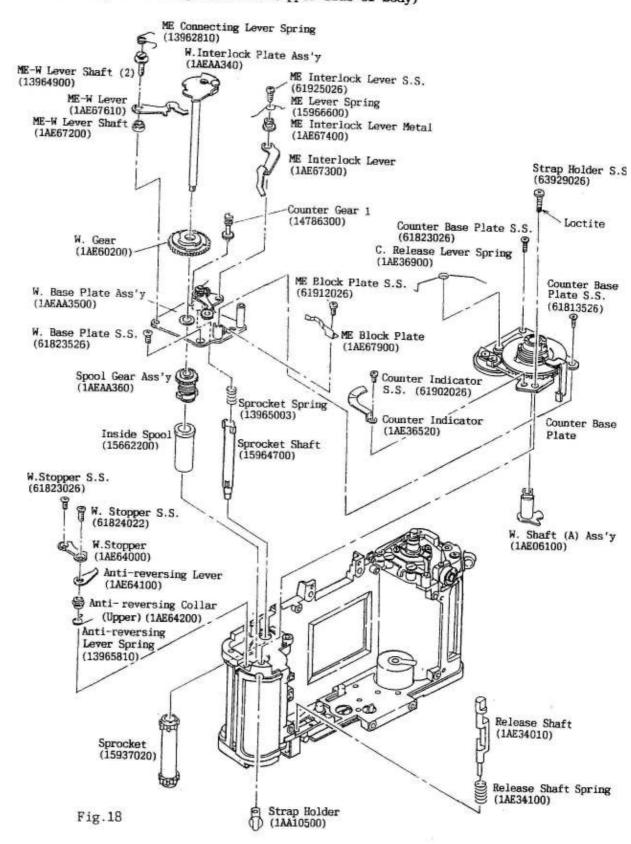
Attach the Lock Claw Moquette 5 to the Body.

[Change of Body]

- a) In the early stage of production, Washer (12866600) or (60652110) was attached in four positions on the back of the Mirror Box provisionally. Afterward, however, the Body was changed in shape and the Washer was disused.
- b) In the early stage of production, the Shutter Unit Setscrew (61824526), a flat head screw, was used. Afterward, however, the Shutter Unit Setscrew was replaced with a pan head screw (61924056) because of the change of the hole diameter in the Body. Yet, the flat head screw (61824526) can be used with the new Body.
- c) Tighten the Shutter Unit Setscrews in the order of ① (flat head screw), ② (Ni screw) and ③ (B. Zn screw).
- d) The new Body is marked with two or three indentations as shown in Fig.16.



Disassembly of Winding Mechanism (Upper side of Body)



B-5 DISASSEMBLY OF WINDING MECHANISM

B-5-1 Removal of Counter Base Plate Ass'y

- Remove the Counter Indicator Setscrew (61911526) and take off the Counter Indicator (1AE36520).
- Remove the C. Release Lever Spring (1AE36900).
- Remove the Strap Holder Setscrew (62919026) and take off the Strap Holder (1AA10510).
- Remove the Counter Base Plate Setscrews (61823026) x 2 and take off the Counter Base Plate Ass'y.
- Remove the W. Shaft (A) Ass'y (1AE06100).
- Remove the Counter Gear (1) (14786300).

B-5-2 Disassembly of Winding Mechanism

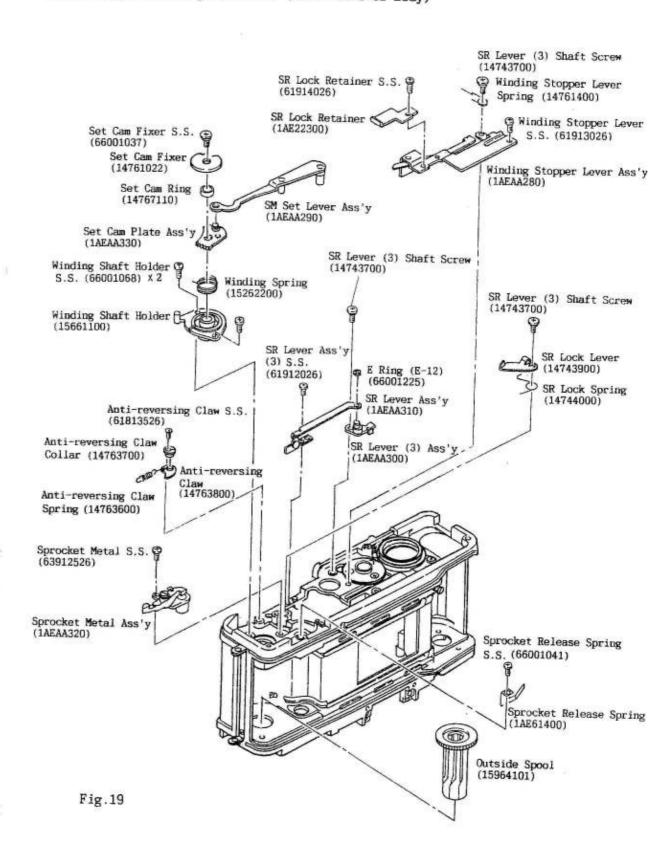
(Upper Side of Body)

- Remove the ME Block Plate Setscrew (61912026) and take off the ME Block Plate (1AE67900).
- Remove the ME Interlock Lever Setscrew (61925026) and take off the ME Lever Spring (15966600), ME Interlock Lever Metal (1AE67400) and ME Interlock Lever (1AE67300).
- 3) Remove the ME Connecting Lever Spring (13962800). Remove the ME-W Lever (1AE67610) and ME-W Lever Shaft (1AE67200) by taking out the ME-W Lever Shaft (2) (13964900).

(Lower Side of Body)

- Remove the SR Lock Lever Retainer Setscrew (61914026) and take off the SR Lock Lever Retainer (1AE22300).
- Remove the SR Lever (3) Shaft Screw (14743700) and take off the Winding Stopper Lever Spring (14761400).
- Remove the Winding Stopper Lever Setscrew (61913026) and take off the Winding Stopper Lever Ass'y (1AEAA280).
- Remove the E Ring (E-12) (66001225) and SR Lever Ass'y Setscrew (61912026) and take off the SR Lever Ass'y (1AEAA310).
- Remove the SR Lever (3) Shaft Screw (1473700) and take off the SR Lever (3) Ass'y (1AEAA300).
- Remove the SR Lever (3) Shaft Screw (14743700) and take off the SR Lock Lever (14743900) and SR Lock Spring (14744000).

Disassembly of Winding Mechanism (Lower Side of Body)



(Upper Side of Body)

10) Remove the W. Stopper Setscrews (61823026) and (61824022) and take off the W. Stopper (1AE64000), Anti-reversing Lever (1AE64100), Anti-reversing Collar (Upper) (1AE64200) and Anti-reversing lever Spring (1395810).

(Lower Side of Body)

- 11) Remove the Anti-reversing Claw Spring (14763600).
- 12) Remove the Anti-reversing Claw Setscrew (61813526) and take off the Anti-reversing Claw Collar (14763700) and Anti-reversing Claw (14763800).
- 13) Remove the Set Cam Fixer Setscrew (66001037) and take off the Set Cam Fixer (14761022), Set Cam Ring (14767110) and SM Set Lever Ass'y (1AEAA290).

Notes:

- a) The Set Cam Fixer Setscrew (66001037) is a reverse screw.
- b) Since the Set Cam Fixer Setscrew is locked with Loctite, take due care when removing it.
- 14) Remove the Sprocket Release Spring Setscrew (61912526) and take off the Sprocket Release Spring (1AE61400).
- 15) Remove the Sprocket Metal Setscrew (63912522) and take off the Sprocket Matal Ass'y (1AEAA320).
- 16) Remove the Set Cam Plate Ass'y (1AEAA330) and Winding Spring (15262200).

Note:

a) The Set Cam Plate Ass'y (1AEAA330) has been press-fitted on the W. Shaft (B).

(Upper Side of Body)

- 17) Remove the W. Interlock Plate Ass'y (1AEAA340) and W. Gear (1AE60200).
- 18) Remove the W. Base Plate Setscrew (61823526) and take off the W. Base Plate Ass'y (1AEAA350).
- Remove the Sprocket Spring (13965003), Release Shaft Spring (1AE34100) and Release Shaft (1AE34010).
- Remove the Sprocket Shaft (15963700) and Sprocket (15937020).
- 21) Remove the Spool Gear Ass'y (1AEAA360) and Inside Spool (15662200).

(Lower Side of Body)

22) Remove the Winding Shaft Holder Setscrews (66001068) X 2 and take off the Winding Shaft Holder (15661100) and Outside Spool (15964001).

[Reassembly Procedure for Winding Mechanism]

(Lower Side of Body)

- Install the Outside Spool (15964101) in the Body.
- Apply grease HK-9 to the Winding Shaft Holder (15661100), install it on the Body and secure it with the Winding Shaft Holder Setscrews (66001068) X2.





Fig.20

(Upper Side of Body)

- 3) Install the Inside Spool (15662200) and Spool Gear Ass'y (1AEAA360) in the Outside Spool.
- 4) With the internal groove of the Sprocket (15937020) up and the mark of the Sprocket Shaft (15964700) toward the film rail surface, drop the Sprocket Shaft into the Sprocket by fitting the Shaft in the groove of the Sprocket. Then install the Sprocket in the Body.
- Through the hole in the Body, install the Sprocket Spring (13965003) on the Sprocket.
- 6) Set the W. Base Plate Ass'y (1AEAA350) so that the marking-off line of Idle Gear (A) points to the center of the W. Metal when the slot of the Sprocket Gear faces the film rail surface of the Body.
- Install the W. Base Plate Ass'y prepared in 6) on the Body and tighten the W. Base Plate Setscrew hand-tight.

Note:

When installing the W. Base Plate Ass'y on the Body, take care not to change the position of the Sprocket.

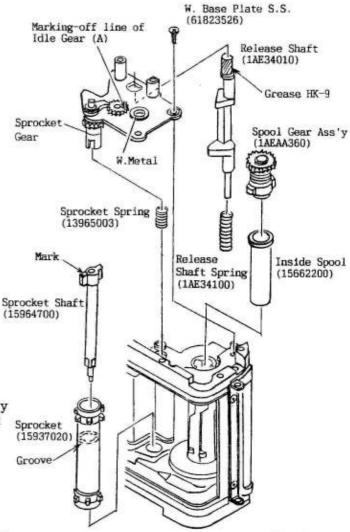


Fig.21

- 8) Put the Release Shaft Spring (1AE34100) on the Release Shaft (1AE34010) and install them on the Body while lifting up the W. Base Plate Ass'y. Tighten up the W. Base Plate Setscrew.
- 9) Engage the Idle Gear (A) on the W. Base Plate with the W. Gear (1AE60200) so that the markingoff line is positioned at the center-punched mark (*).
- 10) Install the W. Interlock Plate Ass'y (1AEAA340) in the position as shown by the arrow.

Notes:

- a) When installing the W. Interlock Plate Ass'y, take care that the engagement between the W. Gear and the Idle Gear (A) does not change.
- b) Take care that the W. Claw of the W. Interlock Plate Ass'y is not positioned on the cam of the W. Gear.

(Lower Side of Body)

- 11) Install the Winding Spring (15262200) by fitting it in the groove of the Winding Shaft Holder.
- In the position as shown in Fig.24, fit the Set Cam Plate Ass'y (1AEAA330) gently on the W.Shaft (B).
- 13) With the end of the Winding Spring inserted in the hole of the Set Cam Plate Ass'y, press in the Set Cam Plate Ass'y.

Notes:

 a) When installing the Set Cam Plate Ass'y, take care that the engagement between the W. Gear and the Idle Gear (A) on the upper side of the Body does not change. Also take care that the W. Claw is

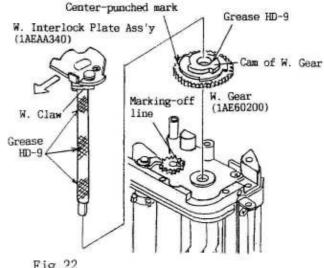
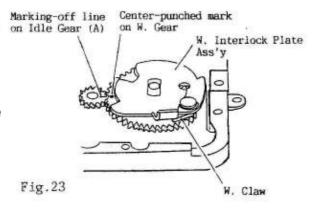


Fig.22



Apply a small amount of grease.

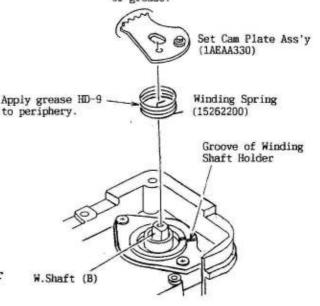
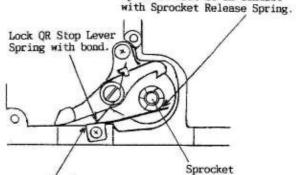


Fig.24

not caught between the cam of W. Gear. (See Fig.22)

- b) Be sure to the push the Set Cam
 Plate Ass'y down to the root of the Spring with bond.

 W. Shaft (B) completely.
- 14) Install the Sprocket Metal Ass'y (1AEAA320) and tighten the Sprocket Metal Setscrew (63912522).
- 15) Install the Sprocket Release Spring (1AE61400) and tighten the Sprocket Release Spring Setscrew (61912526).
- 16) Set the QR Stop Lever Spring (15967700) as shown in Fig.25. Lock the QR Stop Lever Spring with bond (C-551).



Sprocket must be in contact

Tighten screw so that corner of Sprocket Release Spring is in contact with Body.

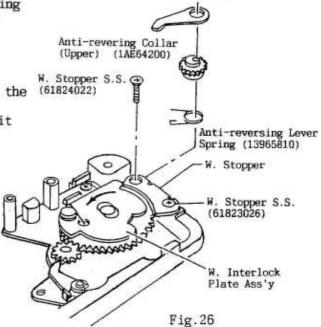
Fig.25

Notes:

- a) Secure the Sprocket Release Spring so that its corner is in contact with the Body.
- b) The Sprocket must be in contact with the Sprocket Release Spring.
- 17) Install the SM Set Lever Ass'y (1AEAA290).
- 18) Install the Set Cam Ring (14767110) and Set Cam Fixer (14761022) and tighten the Set Cam Fixer Setscrew (66001037) (reverse screw).
- 19) Hook the Anti-reversing Claw Spring (14763600) to the Anti-reversing Claw (14763800), install the Anti-reversing Claw and Anti-reversing Claw Collar (14763700) on the Body and tighten them with Anti-reversing Claw Setscrew (61813526).
- 20) Hook the end of the Anti-reversing Claw Spring to the pin on the Winding Shaft Holder and lock it with bond (C-551).

(Upper Side of Body)

- 21) Fix the W. Stopper (1AE64000) with the W. Stopper Setscrew (61823026) provisionally in a position where it does not come in contact with the W. Interlock Plate Ass'y.
- 22) Turn the W. Interlock Plate Ass'y in the direction of the arrow (counterclockwise) by about 180 degrees, move the W. Stopper to the normal position and stop turning the W. Interlock Plate Ass'y.



Anti-reversing Lever

(1AE64100)

- 23) Combine the Anti-reversing Lever Spring (13965810), Anti-reversing Collar (Upper) (1AE64200) and Anti-reversing Lever (1AE64100), insert them between the W. Stopper and the Body and fix them with the W. Stopper Setscrew (61824022) hand-tight.
- 24) Set the Anti-reversing Lever Spring as shown in the Fig.27.

(Lower Side of Body)

- 25) Put the SR Lock Spring (1474400) and SR Lock Lever (14743900) together and tighten them with the SR Lever (3) Shaft Screw (14743700).
- 26) Set the SR Lock Spring as shown in Fig.28.
- 27) Install the SR Lever (3) Ass'y (1AEAA300) and tighten it with the SR Lever (3) Shaft Screw (14743700).
- 28) Install the SR Lever Ass'y (1AEAA310) and tighten it with the SR Lever Ass'y Setscrew (61912026).
- 29) Insert the post of the SR Lever (3) in the hole of the SR Lever Ass'y and install the E Ring (E-12) (66001225).
- 30) Install the Winding Stopper Lever Ass'y (1AEAA280) and tighten it with the Winding Stopper Lever Setscrew (61913026).
- 31) Pase the SR Lever (3) Shaft Screw (14743700) through the Winding Stopper Lever Spring (14761400) and tighten it.
- 32) Set the Winding Stopper Lever Spring as shown in Fig.29.
- 33) Install the SR Lock Lever Retainer (1AE22300) and tighten the Winding Stopper Lever Setscrew (61914026).

(Upper Side of Body)

34) Install the ME-W Lever Shaft (1AE67200) and ME-W Lever (1AE67610) and tighten them with the ME-W Lever Shaft (2) (13964900). Then install the ME Connecting Lever Spring (13962810).

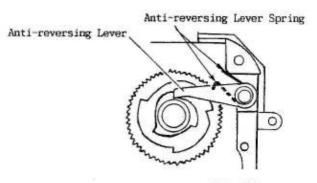
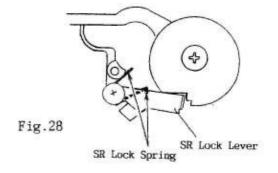
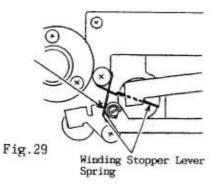
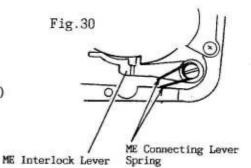


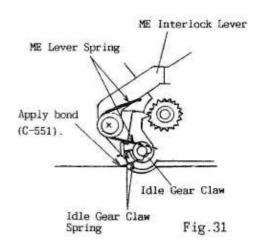
Fig.27







- 35) Set the ME Connecting Lever Spring as shown in Fig.30.
- 36) Install the ME Interlock Lever (1AE67300), ME Interlock Lever Metal (1AE67400) and ME Lever Spring (15966600) and tighten them with the ME Interlock Lever Setscrew (61925026).
- 37) Set the ME Lever Spring as shown in Fig.31.
- 38) Set the Idle Claw Spring as shown in Fig.31 and lock the body-side end of the Idle Gear Claw Spring with bond (C-551).
- 39) Install the ME Block Plate (1AE67900) and tighten the ME Block Plate Setscrew (61912026).



Counter Base Plate S.S. (61813526)

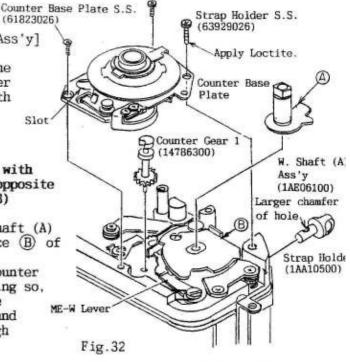
[Installation of Counter Base Plate Ass'y]

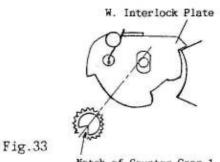
 Insert the toothed portion of the Counter Gear (1) (14786300) under the ME-W Lever and engage it with the W. Gear.

Note:

- a) Install the Counter Gear (1) with its notch positioned on the opposite side of the W. Shaft. (Fig.33)
- 2) Put the surface (A) of the W. Shaft (A) Ass'y (1AE06100) upon the surface (B) of the W. Interlock Plate.

 Interlock Plate and place the Counter Base Plate Ass'y on them. In doing so, push the C. Release Lever in the direction of the Counter Shaft and pass the Counter Gear (1) through the slot.
- Tighten the Counter Base Plate Setscrews (61823026) and (61813526).
- With the larger chamfer of the screw hole up, install the Strap Holder (1AA10500) on the body and tighten it with the Strap Holder Setscrew (63929026).





Notch of Counter Gear 1

- Install the C. Release Lever Spring (1AE36900) and set it. (See Fig.34)
- Install the Counter Indicator (1AE36520) and tighten the Counter Indicator Setscrew (61902026).
- Apply bond (C-551) to the head of the Counter Indicator Setscrew.

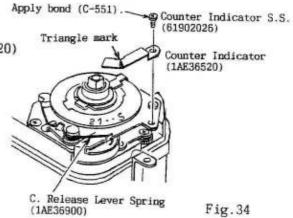
Note:

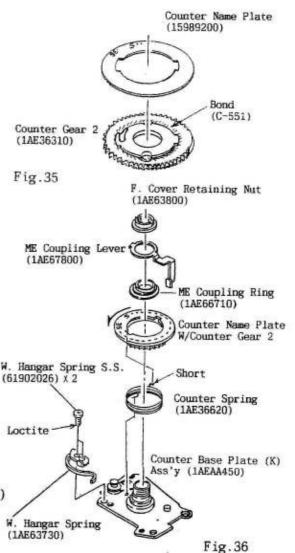
a) Install the Counter Indicator so that it is in parallel with the side of the Body and the triangle mark points to the "S" on the Counter Name Plate.

[Reassembly of Counter Base Plate]

- Apply bond (C-551) to the Counter Gear (2) (1AE36310).
- Attach the Counter Name Plate (15989200).
- 3) Install the W. Hanger Spring (1AE63730) on the Counter Base Plate (K) Ass'y (1AEAA450) and tighten it with the W. Hanger Spring Setscrews (61902026) X 2.
- Hook one end of the Counter Spring (1AE36620) to the Counter Base Plate (K) Ass'y.
- 5) Hook the other end of the Counter Spring to Counter Gear (2).
- 6) Install the Counter Name Plate W/Counter Gear (2) and turn the Counter Gear (2) counterclockwise unitil it is stopped.

 Then lift up the Counter Gear (2) slightly with your hand and turn it counterclockwise. When the Counter Gear (2) has passed the stopper on the Counter Base Plate (K), put the Counter Gear (2) down.
- 7) Install the ME Coupling Ring (1AE66710) and ME Coupling Lever (1AE67800) and tighten the F. Cover Retaining Nut (1AE63800).





B-6 DISASSEMBLY OF MIRROR BOX ASS'Y

B-6-1 Removal of Viewfinder Parts

- Remove the Eyepiece Holder Ass'y Setscrews (61914026) X 2 and take off the Eyepiece Holder Ass'y (1AEAB160).
- Remove the Penta Prism Holder Setscrews (63913526) x 4 and take off the Penta Prism Ass'y (1AEAB150).
- Remove the four Focus Adjustment Washers.

Note:

a) In reassembly, install the removed four Focus Adjustment Washers. If finder fucusing is found faulty, replace the Focus Adjustment Washers with new ones and make the adjustment of finder focusing.

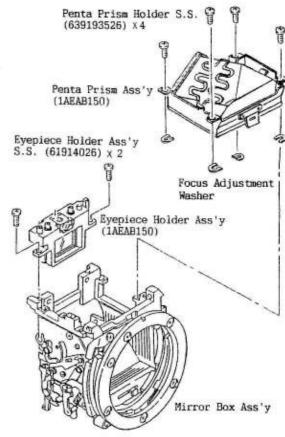


Fig.37

B-6-2 Disassembly of Penta Prism Ass'y

- Peel off the Penta Dust-proof Moquette (13985800).
- Remove the shielder from the periphery of the Penta Prism.
- 3) Remove the Penta Prism Fixer (15986200).
- Remove the Penta Cover (17484210), Penta Prism (1AE84200) and Penta Prism Retaining Plate (1AA82200).
- Remove the PG Holder by pulling the Screen Replacing Claw of the Penta Prism Holder and take out the Focusing Glass (17484900).
- Remove the Finder Mask Frame (1AE84510).

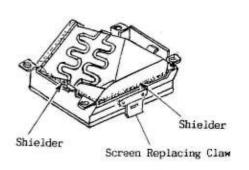
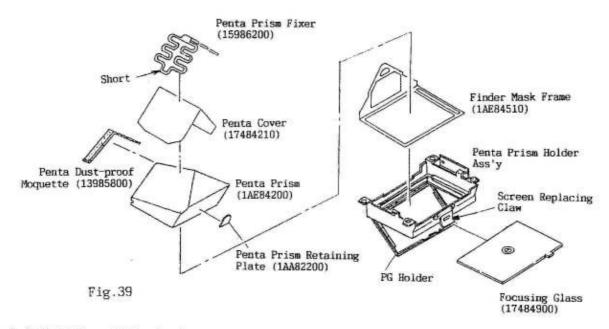


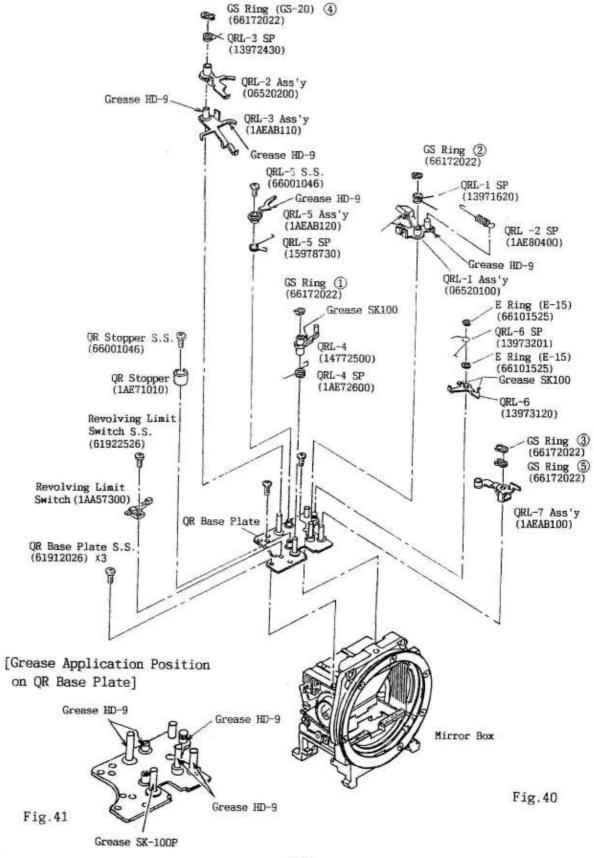
Fig.38



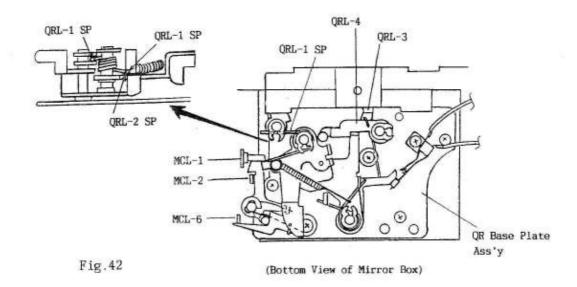
B-6-3 QR Base Plate Ass'y

- Remove the QR Base Plate Setscrews (61912026) X 3 and take off the QR Base Plate Ass'y (1AEAB020).
- Remove the Revolving Limit Switch Setscrew (61922526) and take off the Revolving Limit Switch (1AA57300).
- Remove the GS Ring (GS-20) (66172022) ① and take off the QRL-4 (14772500) and QRL-4 Spring (1AE72600).
- Remove the QRL-2 Spring (1AE80400).
- 5) Remove the GS Rings (GS-20) (66172022) ② and ③. Then take off the QRL-1 Spring (13971620) and QRL-1 Ass'y (06520100).
- 6) Remove the GS Ring (66172022) 4 and take off the QRL-3 Spring (13972430), QRL-2 Ass'y (06520200) and QRL-3 Ass'y (1AEAB110).
- Remove the QRL-5 Setscrew (66001046) and take off the QRL-5 Ass'y (1AEAB120) and QRL-5 Spring (15978730).
- Remove the E Ring (E-15) (66101525) and take off the QRL-6 Spring (13973201).
- Remove the E Ring (E-15) (66101525) and take off the QRL-6 Spring (13973120).
- 10) Remove the GS Ring (66172022) ⑤ and take off the QRL-7 Ass'y (1AEAB100).

Disassembly of QR Base Plate Ass'y



[How to Set Spring on QR Base Plate Ass'y]



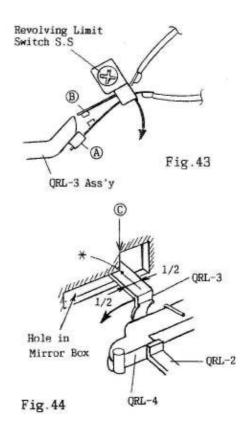
[How to Install Revolving Limit Switch]

Push the Revolving Limit Switch in the direction of the arrow as far as the play is eliminated.

(Adjustment of Revolving Limit Switch)

The standard adjustment is as follows:

- b) Make sure that the switch is turned ON after the point * has passed the point C. Also make certain that the contact A is slightly pushed back by the contact B at turning-ON.
- c) If the conditions a) and b) are not met, make adjustment by bending the contact (A). (Take care not to bend the contact (A) excessively.)



[Adjustment of Mounting Position of AVR Ass'y]

- Turn the F. Stop Connecting Ring (13982310) until it comes in contact with the Stopper on the open side (in the direction of the arrow). (See Fig. 45)
- 2) With the arrow mark of the F. Stop Interlock Gear positioned as shown in Fig.46, engage the F. Stop Interlock Gear with the gear of the F. Stop Connecting Ring.
- 3) Tighten the AVR Ass'y Setscrews (61912026) X 2.
- 4) Turn the F.Stop Connecting Ring clockwise once. Then turn it back again and make sure that the arrow mark on the F.Stop Interlock Gear returns to the position shown in Fig.46.

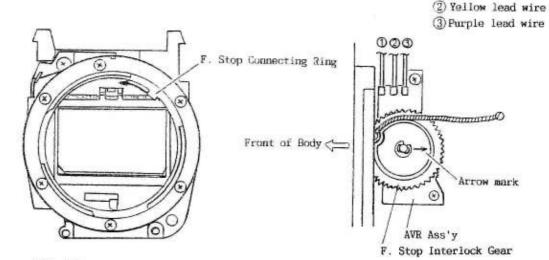


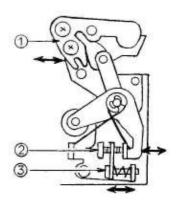
Fig.45

Fig. 46

[Notes on Repair on ML Base Plate Ass'y]

- * The horizontal and 45-degree positions of the Mirror have been adjusted on the ML Base Plate Ass'y. Therefore, do not remove the ML Base Plate Ass'y nor change the lever positions or turn the screws.
- Screw for horizontal position adjustment of mirror
- Screw for 45-degree position adjustment of mirror
- 3 Screws for vertical position adjustment of mirror and fine adjustment of focusing
 - * When large adjustment of focusing is required, replace the washer under the Penta Prism Holder with an apropriate one.

 (Because of the field-of-view ratio of 95%, large adjustment of focusing by the screw ③ can cause parallax.)



1) Blue lead wire

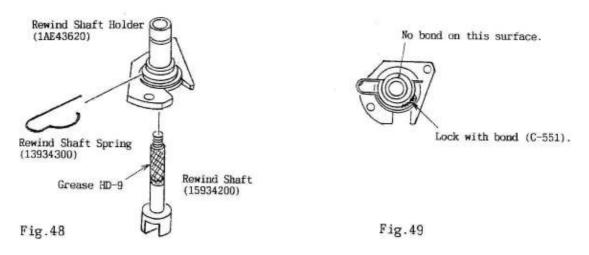
(ML Base Plate Ass'y)

Fig.47

B-6 OTHER PARTS

B-6-1 Rewind Shaft

- 1) Apply grease HD-9 to the Rewind Shaft (15934200).
- Pass the Rewind Shaft through the Rewind Shaft Holder (1AE43620) and install the Rewind Shaft Spring (13934300) in the direction shown in Fig.48.
- 3) Lock the Rewind Shaft Spring with bond (C-551).



B-6-2 Check Switch

- Put the Exposure Check Switch (1AE34200) on the Check Switch Plate (1AE34400) and tighten it with the Exposure Check Switch Setscrew (61914526).
- Bend upward by about 10 to 20 degrees the terminal of the Exposure Check Switch connecting the black lead wire.

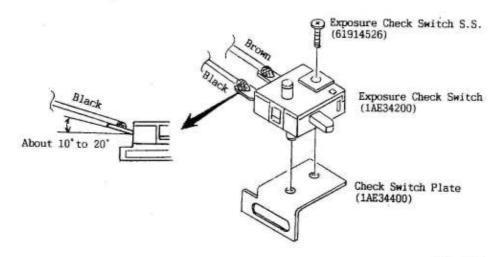


Fig.50

C. ADJUSTMENT PROCEDURE AND OTHERS

C-1 ADJUSTMENTS OF WINDING MECHANISM

C-1-1 Adjustment of Perforation Position

When the Winding Lever has been operated up to the fylly wound position, the tooth position of the Sprocket (15937020) must be as shown in Fig.51. For Adjustment, change the position of the Sprocket Shaft (15964700) and the engagement between the marking-off line of the Idle Gear (A) and the center-punched mark of the W. Gear (1AE60200). (See page B-20)

C-1-2 Adjustment of Sprocket Shaft Operation

At press of the Rewind Button, the Sprocket Shaft must be locked and the Sprocket must become turnable freely. The idling of the Sprocket must be smooth without uneven turning or catching.

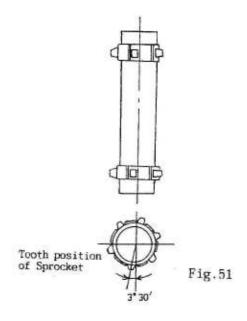
With your finger touching gently the middle portion of the Sprocket, push in the Sprocket Shaft and lock it, and operate the Winding Lever. Then make sure that the Sprocket Shaft is released and the Sprocket can not idle. Check these operations three times.

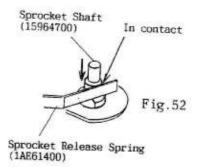
For adjustment, correct the position of the Sprocket Release Spring.

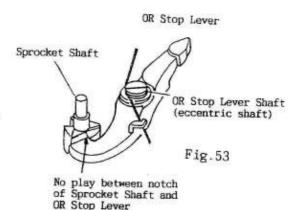
C-1-3 Adjustment of OR Stopper Lever

When the Winding Lever has been operated, the OR Stop Lever must fit in the notch of the Sprocket Shaft without play. When the Rewind Lever is returned, the OR Stop Lever must be released from the notch of the Sprocket Shaft.

For adjustment, turn the OR Stop Lever Shaft.

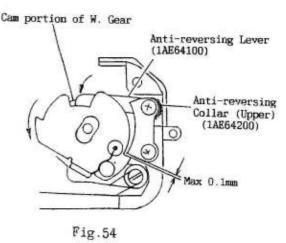






C-1-4 Adjustment of Anti-reversing Lever

When the Winding Lever is operated with the Sprocket loaded lightly, the Antireversing Lever(1AE64100) must enter the cam portion of the W. Gear (1AE60200) immediately (0.1 mm) before the end of winding operation. For adjustment, turn the Anti-reversing Collar (Upper) (1AE64200) (eccentric collar).



C-1-5 Adjustment of ME Block Plate

During winding, when the outermost cam portion of the W. Gear is in contact with the ME-W Lever (1AE67610) as shown in Fig.56 (when the Anti-reversing Claw on the bottom of the Body is enganged with the last tooth of the Setting Cam Plate), the clearance between the ME Block Plate (1AE67900) and the ME-W Lever must be 0.1 to 0.3 mm. (See Fig.55)

Immediately before stop of winding, the end of the ME-W Lever must be engaged with the ME Block Plate.

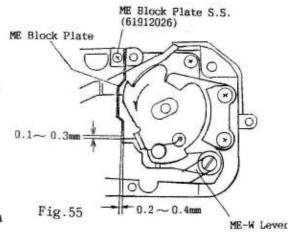
For adjustment, loosen ME Block Plate Setscrew (61912026) and change the

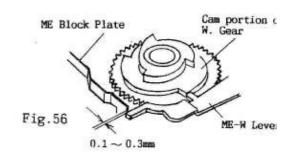
Notes:

a) When the W. Interlock Plate comes to the position as shown in Fig.57 during its turning, make sure that the ME Block Plate is not pushing against the end of the W. Claw.

position of the ME Block Plate.

b) During the winding operation of the W. Interlock Plate, the ME Block Plate must enter inside the end of the ME-W Lever. And after completion of winding, make sure that the ME-W Lever is unlocked when the W. Interlock Plate has passed the position shown in Fig. 57 during reversing.





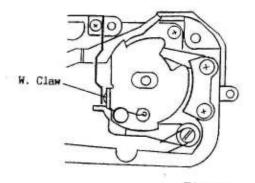


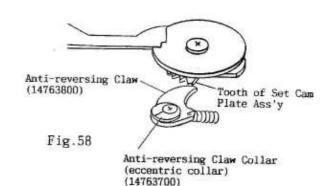
Fig.57

c) After adjustment, lock the ME Block Plate Setscrew with bond (C-551).

C-1-6 Adjustment of Anti-reversing Claw Release

When the Winding Lever is operated with the Sprocket loaded lightly, the Antireversing Lever (1AE64100) must enter the cam portion of the W. Gear (1AE60200) immediately (0.1 mm) before the end of winding operation. And after that, the Antireversing Claw (14763800) must be released from the teeth of the Set Cam Plate Ass'y (1AEAA330).

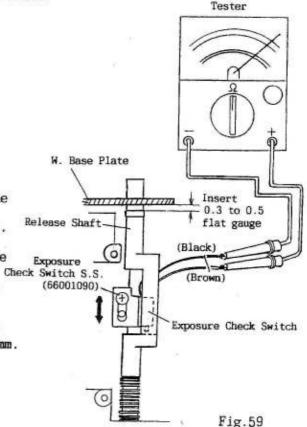
Make adjustment by turning the Antireversing Claw Collar (14763700).



C-2 ADJUSTMENTS OF OTHER MECHANISMS

C-2-1 Adjustment of Check Switch Plate Position

- 1) Set the tester resistance " n ".
- Connect the (+) terminal of the tester to the brown lead wire of the Exposure Check Switch.
 Connect the (-) terminal of the tester to the black lead wire of the Exposure Check Switch.
- 3) Press the Release Shaft and insert a 0.5 mm flat gauge between the W. Base Plate and the Release Shaft. In this state, adjust the position of the Exposure Check Switch so that the switch is turned ON (current flowing).
- 4) Insert a 0.3 mm flat gauge between the W. Base Plate and the Release Shaft Che and make sure that the Exposure Check Switch is OFF. Make adjustment so that the Exposure Check Switch is turned ON at pressing down the Release Shaft by 0.3 to 0.5 mm.



5) After adjustment, lock the Check Switch Plate Setscrew (66001090) with bond (C-551).

C-2-2 Adjustment of Shutter Releasing Position at Use of Selftimer

After installing the Mirror Box Ass'y on the Body, adjust the shutter releasing position at use of selftimer.

[Check]

- 1) Set the Selftimer Lever in the direction of the arrow (A).
- Operate the Winding Lever. Press the Release Shaft and, at the same time, move the Mirror up slowly.
- The Selftimer must start operating immediately (0.3 mm or more) before the Mirror comes in contact with the Mirror Cushion.
- 4) If it does not start, make adjustment as follows:

[Adjustment procedure]

- 1) Using tweezers, bend the Lever (B) of the Shutter slightly in the direction of the arrow.
- 2) Set the Selftimer Lever in the direction of the arrow (A). (The Lever must not return of itself.) The Selftimer Lever may return of itself if the Lever (B) is bent excessively. In such a case, correct the bend so that the Selftimer Lever does not return of itself.
- 3) After making sure that the Selftimer Lever does not return of itself, take the steps 1) and 2) of "Check" above.
- 4) Perform setting of Selftimer, winding and shutter release and make sure that the Selftimer starts.
- 5) Perform the operations 3) and 4) once again.

Half of tooth height should be engaged. (Reference)
(When shutter is set and selftimer is charged)

Shutter Unit

On Mirror Cushion

Fig. 60

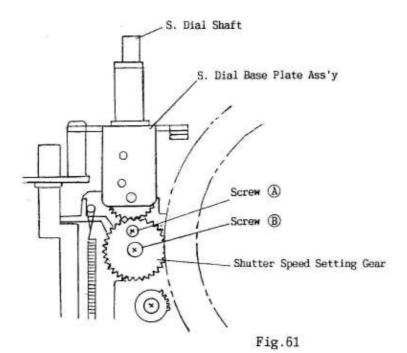
Fig. 60

C-2-3 Adjustment of S. Dial Click

* Make adjustment so that the click of the S. Dial Base Plate Ass'y and the click of the Shutter occur at the same time.

[Adjustment procedure]

- 1) Set the Shutter Speed Setting Gear so that the screw (A) of the Shutter is positioned just above the screw (B). (Bulb position)
- 2) Loosen the screws (A) and (B).
- Engage the S. Dial Base Plate Ass'y (in the "bulb" position) with the Shutter Speed Setting Gear from above.
- Tighten the screw (B). (Take care not to apply an irrational force to the Shutter Speed Setting Gear.)
- 5) Tighten up the screw (A) .
- 6) Tighten the S. Dial Base Plate Setscrews.
- By turning the S. Dial Shaft clockwise and counterclockwise, make sure that double clicks do not occur.



C-2-4 Adjustment of Shutter Releasing Position at Press of Shutter Release Button

* After installing the Top Cover, make adjustment of shutter releasing position.

[Adjustment procedure]

- Charge the Mirror Box mechanism and Shutter by performing winding operation.
- 2) Press down the Release Button and check to see if the Shutter operates when the Release Button is leveled with the Main Switch Dial (when A and B is in the same level). (See Fig.62)
- If the Shutter does not operate, make adjustment by turning the SR Lever
 Post (eccentric pin). (See Fig.63)

Note:

- a) On the camera having been already adjusted, the SR Lever (3) Post has been locked with Crazy glue or Super glue, so that it can not be turned. In such a case, make adjustment by bending the SR Lever (3) with flat pliers.
- 4) After adjustment, check the following conditions:
 - · The shutter must not trip of itself after winding.
 - With the Aperture Button pressed, the shutter must not trip of itself after winding.
 - The QRL-4 must not be too close to the end of the hole in the Body.

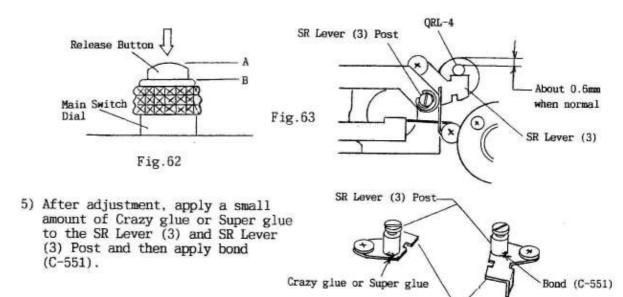


Fig.64

SR Lever (3)

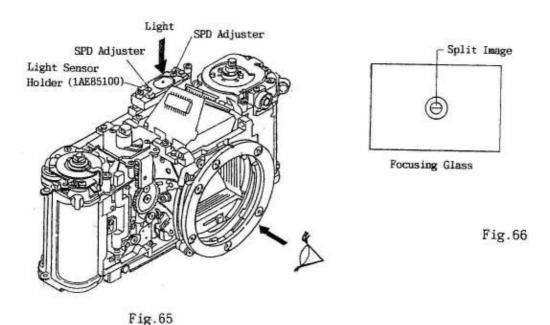
C-3 OTHER ADJUSTMENTS

C-3-1 Adjustment of Spot Metering Position

* After the replacement of the Eyepiece Ass'y, if performed, be sure to adjust the spot metering position.

[Adjustment procedure]

- Remove the Shoe Contact Holder Setscrew (69114076) and take off the Shoe Contact Holder.
- 2) Remove the SPD Ass'y (1AEAE200).
- 3) Place the camera in position 10 to 15 cm away from an incandescent lamp so that the light from the lamp enters the hole in the Light Sensor Holder (1AE85100).
- 4) From front of the Body, look at the center of the Mirror. By turning the SPD Adjuster (eccentric pin), make adjustment so that the light from the incandescent lamp comes to the center of the Mirror (the light shines on the split image area of the Focusing Glass).

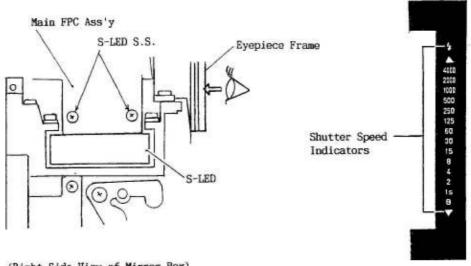


C-3-2 Adjustment of Indicator Position in Viewfinder

* Be sure to make this adjustment when reinstalling or replacing the Main FPC Ass'y.

[Adjustment procedure]

- 1) Install the Main FPC Ass'y and connect the lead wires.
- 2) Do not install the ISO Turning Limit Plate or ISO Contact Base Ass'y.
- 3) Set two batteries (LR44) in the Battery Case.
- 4) Press the Release Shaft halfway down. (The power will be held for 16 sec.)
- 5) Place your eye at the center of the Eyepiece and adjust the position of the S-LED so that none of all the LEDs for " ▽ " "B" to " △ " " * " are eclipsed.
- 6) Tighten up the two S-LED Setscrews.



(Right Side View of Mirror Box)

(Display in Viewfinder)

Fig.67

Fig. 68

C-3-3 Flange Back Adjustment

°Distance from the lens mount surface to the rail surface on the film side: 45.42 $\,\pm\,0.02$ mm

For adjustment, insert an appropriate washer between the body mount and the Mirror Box.

Adjusting washers: 0.05 mm (128666), 0.02 mm (128667)

oDifference in level between the rail surface on the film side and that on the pressure plate side:

 $0.20 \pm 0.02 \text{ mm}$

C-3-4 Adjustment of Finder Focusing

Rough adjustment of finder focusing

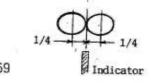
Make adjustment by replacing the washer placed under the Penta Prism Holder. (See Fig.37)

- ① If the focus is not adjusted even when the focus ring is turned to the infinity position
 - ⇒The finder back is too long. Lower the focusing screen to shorten the finder back.
- ② If the focus is adjusted before the focus ring arrives at the infinity position
 - The finder back is too short. Raise the focusing screen to lengthen the finder back.

2. Fine adjustment of finder focusing

 $^{\circ}$ When the focus is dislocated to such a degree that the indicator is positioned within \pm 1/4 of the " ∞ " mark width (with the standard lens Planar 1.4/50 is dislocated by 0.1 mm or less), correct it by turning the Focus Adjusting Screw. (See Fig.70)

 After adjustment by the Focus Adjusting Screw, be sure to operate the shutter several times and then check focusing again.
 And then lock the Focus Adjusting Screw with bond (C-551).



Focus Adjusting Screw

(ML Base Plate Ass'y)

Fig.70

C-3-5 Adjustments of Shutter

* The shutter speed, curtain travel speed and flash synchronization of the Shutter Unit mounted on the camera is adjusted before shipment. Also those of the Shutter Unit as a service part is already adjusted.

1. Shutter speed

Table 1 Allowable range of manual exposure time (Unit: ms)

Marking(S)	Allowable	Allowable range						
37	width (EV)	Upper limit	Reference value	Lower limit				
1		1320	1000	758				
1/2		660	500	379				
1/4		330	250	189				
1/8		165	125	94.8				
1/15	±0.4	82.5	62.5	47.4				
1/30		41.23	31.25	23.68				
1/60		20.62	15.63	11.85				
1/125		10.31	7.813	5.921				
1/250	+0.5 -0.05	5.523	3.906	3.773				
1/500		2.667	1.953	1.429				
1/1000	±0.45	1.334	0.977	0.715				
1/2000	±0.5	0.690	0.488	0.345				
1/4000	±0.6	0.369	0.244	0.160				

Curtain travel speed

 The first and second curtains must travel vertically the distance of 24 mm in about 24 ms.

3. Flash synchronization

· Delay time

Sensing point of shutter tester: 21 mm "A" range: 0.4 ms or less

Measure at 1/250 sec shutter speed. "B" range: 1.0 ms or more

·Contact efficiency

70% or above for shutter speed of 1/250 sec or slower (Check with a 1 ms contact efficiency meter.)

C-3-6 Voltage Adjustments of Main FPC Ass'y

* The adjustments of offset, Vr and B1 level instructed below have been already performed for the Main FPC Ass'y supplied as a service part.

1. Check of Vs

[Checking procedure]

Connect 3V power supply.

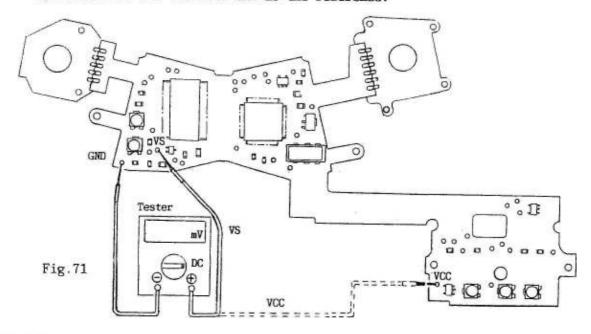
Turn ON the Check Switch fo Measure the voltage of Vcc. Turn ON the Check Switch for power-on (The power is held for 16 sec.)

4 Measure the voltage of Vs.

The voltage is normal when the value of Vcc-Vs is 1.4V (1.26 to 1.54V).

Note:

a) Measure Vs and Vcc with GND as the reference.



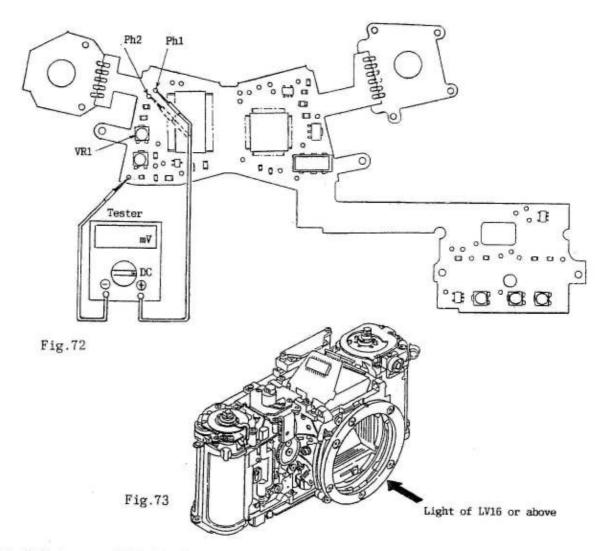
Adjustment of offset

[Adjustment procedure] (See Fig.72 and 73)

- ① Connect 3V power supply. ② Turn ON the Check Switch for power-on (The power is held for 16 sec.) 3 Set a high brightness (LV16 or above) so that sufficient photocurrent flows in the SPD. (See Fig.73)
- Measure the voltage of Ph1.
- (5) Measure the voltage of Ph2.
- (6) Make adjustment by turning VR1 so that the value of Ph1-Ph2 becomes 0 to 7mV.

Note:

a) The measurements of Ph1 and Ph2 must be performed under the same brightness and with GND as the reference.



- Adjustment of Vr (inclination of the output Vout against change in exposure)
 [Adjustment procedure] (See Fig.74)
 - Connect 3V power supply.
 - 2 Turn ON the Check Switch for power-on (The power is held for 16 sec.)
 - 3 Measure the voltage of Vs.
 - 4 Measure the voltage of Vr.
 - S Make adjustment by turning VR2 so that the value of Vr-Vs becomes 288 mV.

Notes:

- a) Vr may be measured with Vs as the reference. For accurate measurement, however, both Vs and Vr should be measured with GND as the reference.
- b) The adjustment value of Vr varies with temperature as shown in Table 2. (288 mV at 25°C)

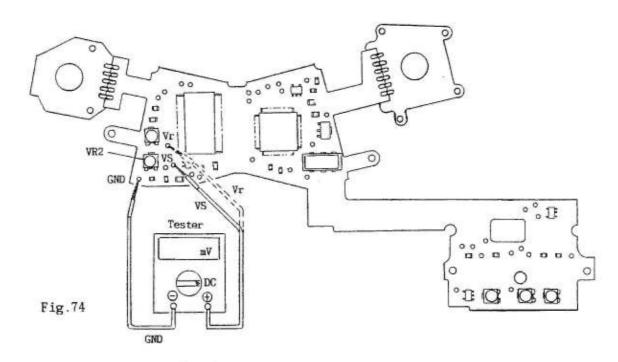


Table 2 Relationship between aperture resistance and temperature

Temperature (*C)	Vr (mV)	Aperture resistance (mV)	Temperature (°C)	Vr (mV)	Aperture resistance (mV)	
10	273.5	170.9	21	284.1	177.6	
11	274.5	171.5	22	285.1	178.2	
12	275.4	172.1	23	286.1	178.8	
13	276.4	172.7	24	287.0	179.4	
14	277.4	173.3	25	288.0	180.0	
15	278.3	174.0	26	289.0	180.6	
16	279.3	174.6	27	289.9	181.2	
17	280.3	175.2	28	290.9	181.8	
18	281.2	175.8	29	291.9	182.4	
19	282.2	176.4	30	292.9	183.0	
20	283.2	177.0				

4. Adjustment of B1 level (battery check)

[Adjustment procedure] (See Fig.75)

Connect 2.5V power supply.

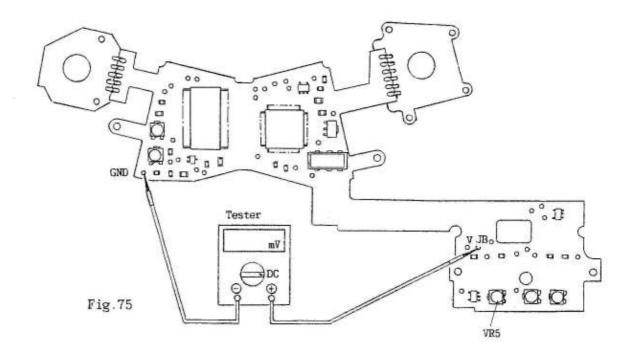
Turn ON the Check Switch for power-on (The power is held for 16 sec.)

Adjust VR5 so that the voltage of VJB becomes equal to Vs.

2 Turn ON the Check Switch for Measure the voltage of Vs. 4 Adjust VR5 so that the voltage of Set the power supply to 2. Set the power supply to 2.45V and turn OFF the power to the camera once (turn ON and then OFF the Shutter Release Switch and wait until power hold comes to an end in 16 seconds). Then turn ON the Check Switch again and make sure that the display in the viewfinder is blinking at 1 Hz.

Note:

a) Remove the Top Cover when performing the adjustments 1 to 4 above.



Note:

a) Perform the adjustments 5 and 6 below with the exterior parts installed. Peel off the Leather (Left) (1AE18900) and Pattern Cover (1AE16910). Also remove the Resistor Cover (1AE11000) from the cartridge chamber. And make adjustment by means of the test lands inside the Pattern Cover and the semifixed resistors inside the Resistor Cover.

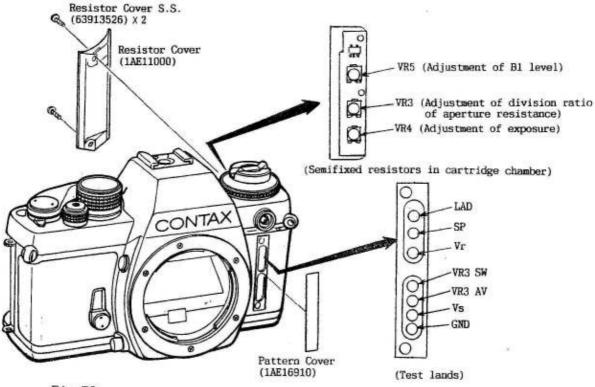


Fig.76

5. Adjustment of division ratio of aperture resistance

[Adjustment procedure] (See Fig.77)

Connect 3V power supply.

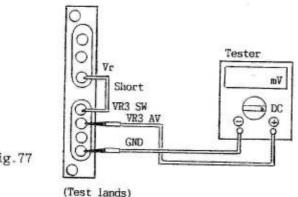
(2) Turn ON the Check Switch for power-on (The power is held for 16 sec.)

(3) Short the input and the output of the Analog Switch. (Short the Vr and the VR3 Switch on the test lands.)

(4) Make an adjustment with the semifixed resistance VR3 so that VR3AV of the test land becomes 180mV.

Note:

a) This adjustment value varies with temperature as shown in Table 2. (180 mV at 25°C)



Adjustment of exposure (shift)

[Adjustment procedure]

- Set the ISO Dial of the camera to "80".
- ② Set the EE tester to K: 1.3.
- Connect 3V power supply.
- 4 Turn ON the Check Switch for power-on (The power is held for 16 sec.)
- (5) Mount the standard lens (Planar 50 mm/F1.4) and set the focus ring in the infinity position and the aperture to F5.6 .
- 6 Set the brightness of the EE tester to LV12 and set the camera on the EE tester.
- Make adjustment by turning the semifixed resistor VR4 so that the indicator in the viewfinder lights up at "125" only.
- 8 Set the brightness of the EE tester to LV8 and make sure that the indicator in the viewfinder lights up at "8" only.
- Set the brightness of the EE tester to LV15 and make sure that the indicator in the viewfinder lights up at "1000" only.

[Exposure meter]

The value determined from a combination of aperture and brightness values as shown in Table 3 lights up to indicate exposure.

Table 3

Aperture value	LV	4	5	6	7	8	9	10	11	12	13	14	15			
1.4		8	15	30	60	125	250	500	1000	2000	4000	A	A			
2.0)	4	8	15	30	60	125	250	500	1000	2000	4000	A			
2.8	1	2	4	8	15	30	60	125	250	500	1000	2000	4000			
3.5		2.1S	4.2	8.4	15.8	30.15	60.30	125.60	250. 125	500. 250	1000. 500	2000. 1000	4000 2000			
4.0)	1S	2	4	8	15	30	60	125	250	500	1000	2000			
4.5		7	2.18	4.2	8.4	15.8	30.15	60.30	125. 60	250 125	500 250	1000 500	2000 1000			
5.6		•	18	2	4	8	15	30	60	125	250	500	1000			
8.0		•	•	1S	2	4	8	15	30	60	125	250	500			
11.	0	.0	.0	0	A	A	•	18	2	4	8	15	30	60	125	250
16.	0	•	•	•	•	1S	2	4	8	15	30	60	125			
22.	0	~	•	•	•		1S	2	4	8	15	30	60			

Overexposure warning : " A " blinking at 2 Hz

K value = 1.3 ISO = 80

Underexposure warning: " " blinking at 2 Hz

C-4 OTHERS

C-4-1 Current Consumption

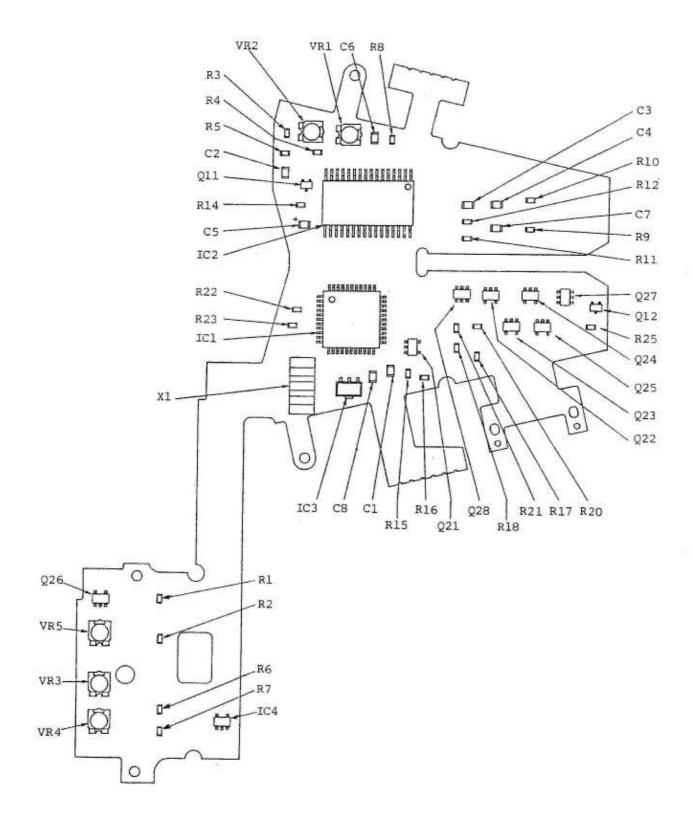
When indicator in viewfinder is not lighting: 5 µA or less When indicator in viewfinder is lighting : 15 mA or less

C-4-2 Battery Voltage

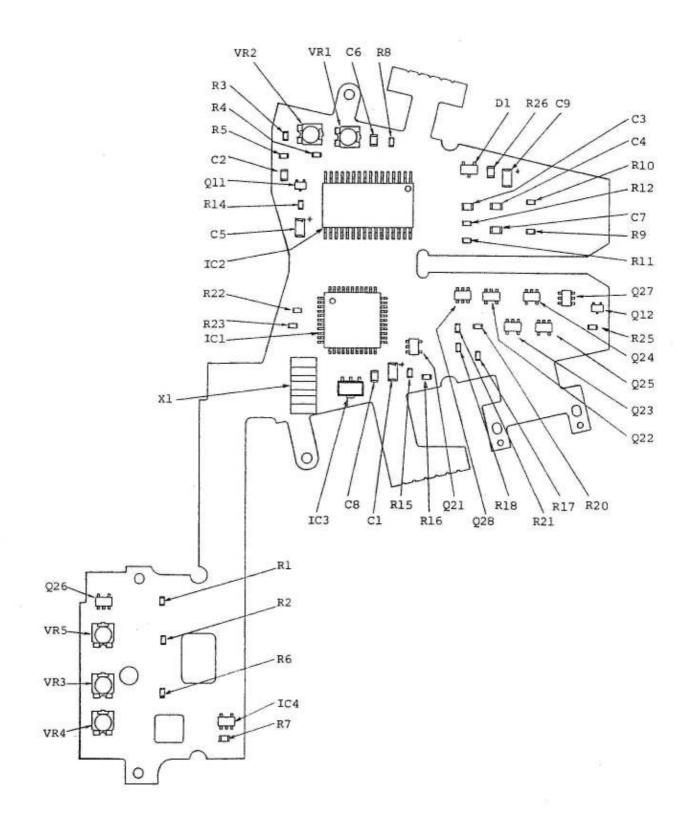
3.0V Normal indication 2.5V Warning (Indicator in viewfinder blinking at 1 Hz) 2.47

All functions in viewfinder stop at 2.4V or below.

Electric Parts on Old Main FPC



Electric Parts on New Main FPC



1	Test Lands on Main FPC	Zest Symbol No.	bol Description	ion	18 6 18 6	Symbol	Description
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1		-	100	OCCUR	346	522	
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S S S S S S S S S S		-		17	ñ) 	
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	Wala Ta	. Note: No	8 is a missing man	her on tho	Now W	in FPC.	
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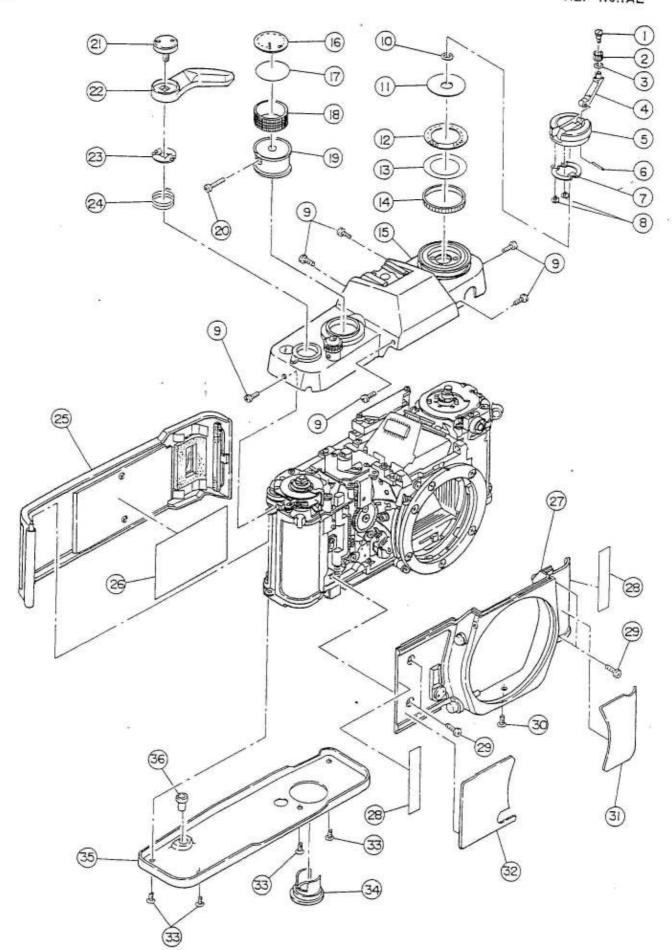
Wiring Diagram



CONTAX S2

ASSEMBLING CHART





1

	PARTS NO.		DESCRIPTION	Q'TY

1	1AE43300		CRANK KNOB SCREW	1
2	1AE43200		CRANK KNOB	1
3	60141812		WASHER	1
4	1AE43111		CRANK ARM	1
5	1AE43011		REWIND KNOB	1
6	66670830		CRANK ARM PIN	1
7	13937312		CRANK ARM SPRING	1
8	61912522		CRANK ARM SPRING S.S	2
9	61913022		TOP COVER S.S	6 .
10	60253112		WASHER	I
11	1AE32620		SEAL RUBBER	1
12	1AE40500	207	ISO NAME PLATE	. 1
13	1AE40600		ISO ADHESIVE TAPE	1
14	1AE41600		ISO DIAL RUBBER	1
15	1AEAA230		TOP COVER ASS'Y	1
	1AEAA230M		TOP COVER ASS'Y (60 ANV)	1
16	1AE32400		S. DIAL NAME PLATE	1
17	1AE33800		S. ADHESIVE TAPE	1
18	1AE32500		S. DIAL RUBBER	1
19	1AE32320		S. DIAL	1
20	66001160		S. DIAL S.S	1
21	1AE63110	*	W. LEVER S.S	1
22	1AE63000		W. LEVER	1
23	1AE63400		W. LEVER SPRING PLATE	1
24	1AE63310		W. LEVER SPRING	1
25	*		BACK COVER ASS'Y (See Page 2)	1
26	16914500		PRESSURE PLATE SHEET	1
27	*		FRONT BASE ASS'Y (See Page 7)	1
28	1AE17200		FRONT BASE TAPE	2
29	61914026		FRONT BASE S.S	4
30	61819526		FRONT BASE S.S	1
31	1AE18800		FRONT LEATHER (RIGHT)	1
32	1AE18900		FRONT LEATHER (LEFT)	1
33	61812522		BOTTOM COVER S.S	4
34	1AEAA200		BATTERY CAP ASS'Y	1
35	1AE16020		BOTTOM COVER	1
36	1AE61520		SPROCKET BUTTON	1

Note : Parts marked * are not available.*

1-8 1AEAA510

Note: The Item No.28 is used to mend the difference of height between

REWIND KNOB ASS'Y

the Front Base and the leather surface of the Body.

1

_		PARTS NO.	DESCRIPTION	Q'TY
	-	500		
	1	*	TOP COVER	1
_	2	66101222	E RING (E-12)	1
	3	1AE15300	ISO LOCK BUTTON HOLDER	1
	4	13919200	S. LOCK BUTTON SPRING	1
	5	1AE15400	ISO LOCK BUTTON	1
5-18	6	1AEAA500	SHOE CONTACT ASS'Y	1
	7	13916901	ACCESSORY SHOE	1
	8	13917800	SHOE PLATE SPRING	1
-	9	1AEAA230	TOP COVER ASS'Y	1 ,
		1AEAA230M	TOP COVER ASS'Y (60 ANV)	1
		15966310	ME LEVER	1
		-1AE33030	RELEASE BUTTON	1
		104	S. DIAL PROTECTOR	1
	13	1AE33700	RELEASE BUTTON SPRING	1
	14		TOP COVER INSULATION SHEET	1
_	. 15	1AA87200	SHOE CONTACT PLATE PIN	1
	16	61911822	ACCESSORY SHOE S.S	3
	17	14716300	SHOE LUG PLATE	1
-	18	60152112	WASHER	1
	19	17423000	SHOE CONTACT PLATE (1) ASS'Y	1
	20	61913026	ACCESSORY SHOE S.S	1
_	21	1AE32800	S. D. PROTECTOR SPRING	1
	22	66100825	E RING (E-8)	2
	23	1AEAA550	RELEASE STOPPER ASS'Y	1
	24	1AE33100	RELEASE PIN	1
	25	1AE15200	COUNTER WINDOW	1
	26	1AE32920	RELEASE PIN S.S	1
	27	1AE13300	BACK COVER LEATHER	1
_	28	*	BACK COVER	1
	29	17417240	FILM CARTRIDGE MOQUETTE	1
	30	13912901	BACK COVER LIGHT-PROOF MOQUETTE	1
	31	1AEAA410	PRESSURE PLATE ASS'Y	1
	32	13912801	BACK COVER MOQUETTE	1
	33	1AE13600	FILM CARTRIDGE WINDOW	1
	34	13113210	HINGE SHAFT STOPPER	1
_	35	13113000	HINGE SHAFT (1)	1
	36	17417700	HINGE SHAFT SPRING	1
	37	*	BACK COVER ASS'Y	1
_				

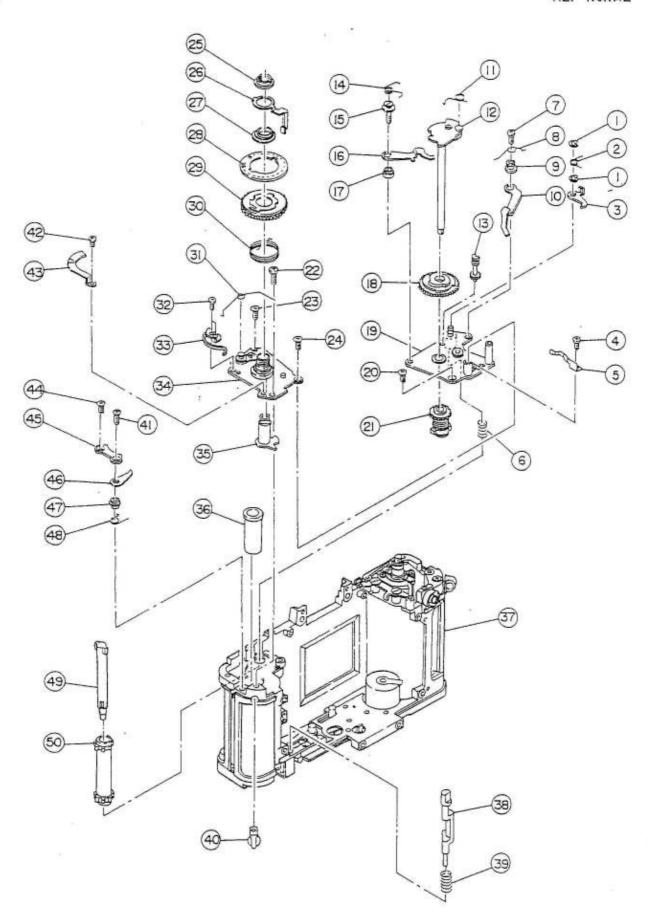
Note : Parts marked * are not availbale.

27-30, 32-36 1AEAA210 BACK COVER ASS'Y

_		PARTS NO.	DESCRIPTION	Q'TY
2	1	61911526	ISO TURNING LIMIT PLATE S.S	2
		1AE42300	ISO TURNING LIMIT PLATE	1
_	3	66701220	STEEL BALL (Ø1.2)	1
	4	61912526	BALL HOLDER S.S	2
	5	1AE42100	BALL HOLDER	1
	6	1AE42200	ISO CLICK SPRING	1
	7		ISO TURNING LIMIT PLATE S.S	1
	8		CE SNAP RING	1
225		60156110	WASHER	1
		1AEAA390	ISO CONTACT BASE ASS'Y	1- 1
	11		ISO INSULATION SHEET	1
	5077	66001163	S-LED S.S	2
_		61911526	MAIN FPC S.S	- 2
	14	40 00 00 00 00 00 00 00 00 00 00 00 00 0	FPC INSULATION SHEET	1
	15		ISO CODE BOARD	1
_	16		ISO CODE BOARD S.S	1
	17		MAIN FPC S.S	2
	18	14716300	LUG PLATE	1
_	19		MAIN FPC ASS'Y	1
	20		S. DIAL PC BOARD S.S	2
		1AEAA220	S. CONTACT BASE ASS'Y	1
0.00	22		S. DIAL PC BOARD	1
77	23	1AE30300	S. INSULATION SHEET	1
	24	17484210	PENTA PRISM COVER	1 3 1 2
	25	61912222	S. DIAL BASE PLATE S.S	.3
_	26	1AEAA250	S. DIAL BASE PLATE ASS'Y	1
	27	66001122	EYE-PIECE FRAME S.S	
	28	17425500	EYE-PIECE FRAME	1
_	29	61927026	MIRROR BOX S.S	2
	30	61924026	SHUTTER UNIT S.S	2
	31	1AE10200	BODY MOQUETTE (A)	3
	32	66001043	SHUTTER UNIT S.S	1
	33	1AE20500	EYE-PIECE LIGHT-PROOF SHEET	1
	34	17417300	LOCK CLAW MOQUETTE	1
	35	1AE20100	SHUTTER UNIT	1
_	36	*	MIRROR BOX (See Page 8.9)	1
	37	63929026	MIRROR BOX S.S	2

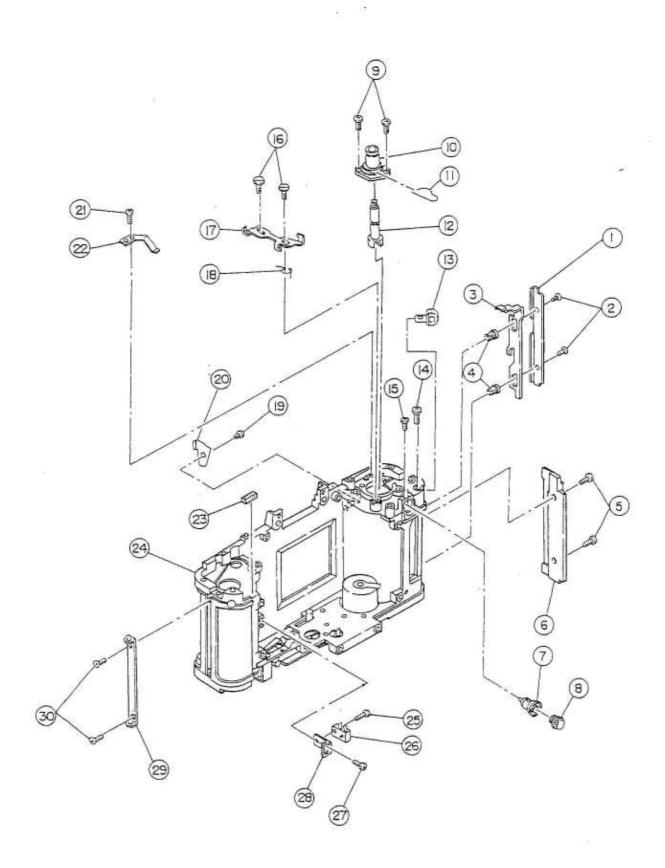
Note : Parts marked * is not available.

Note: The item No.18 cannot be used when the pattern of the Main FPC is changed.

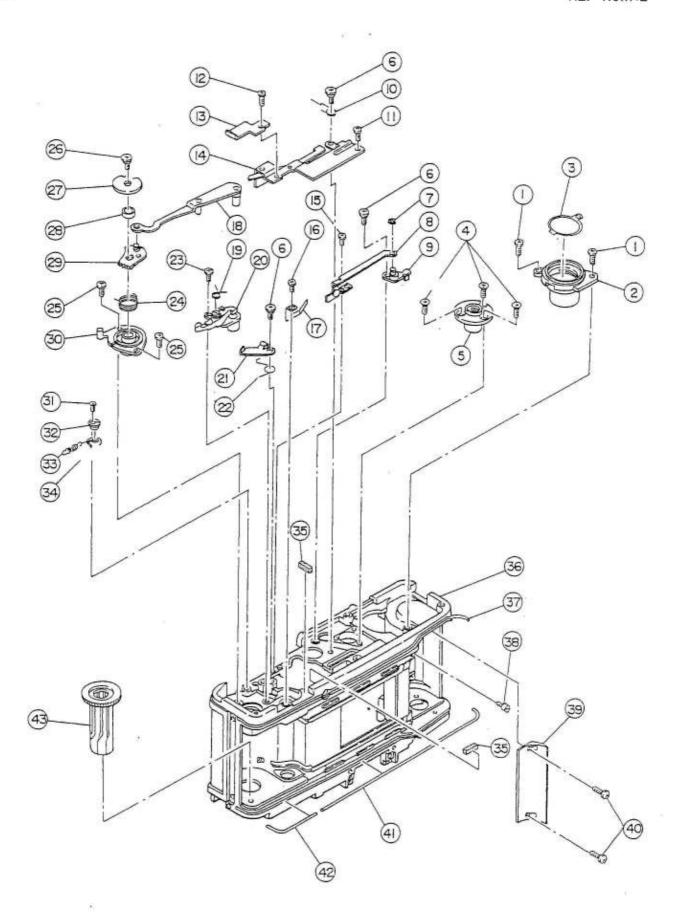


	PARTS NO.	DESCRIPTION	Q'TY
1	66101525	E RING (E-15)	2
2	15963500	IDLE GEAR CLAW SPRING	1
3	1AE61110	IDLE GEAR CLAW	1
4	61912026	ME BLOCK PLATE S.S	2
5	1AE67900	ME BLOCK PLATE	1
6	13965003	SPROCKET SPRING	1
7	61925026	ME INTERLOCK LEVER S.S	1
8	15966600	ME LEVER SPRING	1
9	1AE67400	ME INTERLOCK LEVER METAL	1
10	1AE67300	ME INTERLOCK LEVER	1 .7
11	15962410	W. CLAW SPRING	1
12	1AEAA340	W. INTERLOCK PLATE ASS'Y	1
13	14786300	COUNTER GEAR (1)	1
14	13962810	ME CONNECTING LEVER SPRING	1
15	13964900	ME-W LEVER SHAFT (2)	1
16	1AE67610	ME-W LEVER	1
17	1AE67200	ME-W LEVER SHAFT	1
18	1AE60200	W. GEAR	1
19	*	W. BASE PLATE ASS'Y	1.
20	61823526	W. BASE PLATE S.S	1
21	1AEAA360	SPOOL GEAR ASS'Y	1
22	63929026	STRAP HOLDER S.S	1
23	61823026	COUNTER BASE PLATE S.S	1
24	43 75 75 100 100 100 100 100 100 100 100 100 10	COUNTER BASE PLATE S.S	1
	1AE63800	F. COVER RETAINING NUT	1
26	1AE67800	ME COUPLING LEVER	ī
27	1AE67710	ME COUPLING RING	ī
28	15989200	COUNTER NAME PLATE COUNTER GEAR (2)	ı
29		COUNTER GEAR (2)	ī
30	1AE36620	C. RELEASE LEVER SPRING	1
31		W. HANGAR SPRING S.S	2
	61902026	W. HANGAR SPRING	1
34	1AE63630 1AEAA450	COUNTER BASE PLATE (K) ASS'Y	1
97000	1AE06100	W. SHAFT (A) ASS'Y	1
36		INSIDE SPOOL	1
37	Commence of the contract of th	BODY	1
38		RELEASE SHAFT	1
39		RELEASE SHAFT SPRING	1
40		STRAP HOLDER	1
41		W. STOPPER S.S	1
42		COUNTER INDICATER S.S	1
43		COUNTER INDICATER	1
44		W. STOPPER S.S	1
45		W. STOPPER	1
46		ANTI-REVERSING LEVER	1
47		ANTI-REVERSING COLLAR (UPPER)	1
48		ANTI-REVERSING LEVER SPRING	1
49		SPROCKET SHAFT	1
50		SPROCKET	1
		1200-10-2009-0100-120-5	

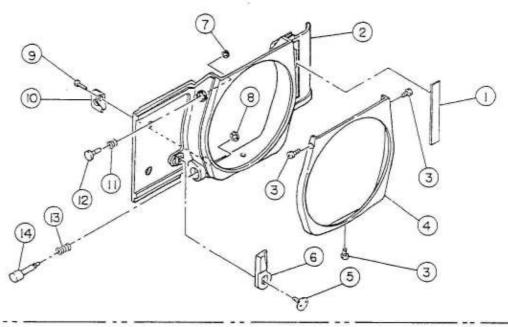
1-3, 19 1AEAA350 W. BASE PLATE ASS'Y

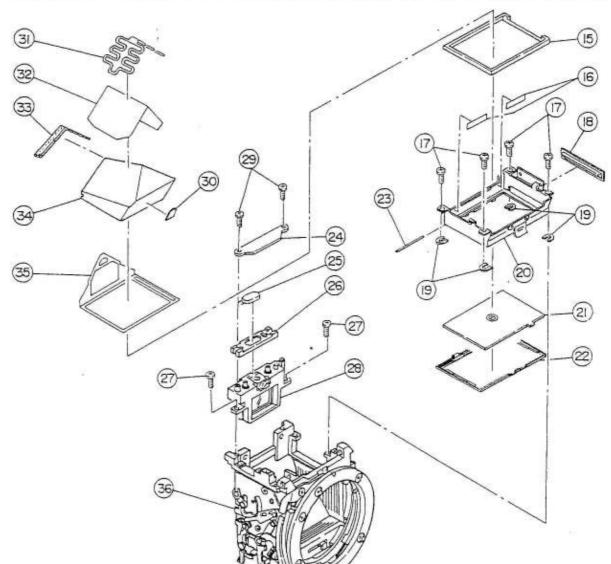


	PARTS NO.	DESCRIPTION	Q'TY
		e *	
1	1AE10500	LOCK PLATE COVER	1
2	61812529	LOCK PLATE COVER S.S	2
3	13912010	BACK COVER LOCK PLATE	1
4	1AE12400	BACK COVER LOCK PLATE SHAFT	1
5	66001068	FRONT BASE (S) S.S	2
6	1AE17100	FRONT BASE (S)	1
7	1AEAA380	SYNCHRO SOCKET ASS'Y	1 1 2
8	13913800	SYNCHRO CAP	1
9	61924026	REWIND SHAFT HOLDER S.S	
10	1AE43620	REWIND SHAFT HOLDER	1 -
11	13934310	REWIND SHAFT SPRING	1
12	15934200	REWIND SHAFT	1
13	1AA10510	STRAP HOLDER	1
14	63929026	STRAP HOLDER S.S	1
15	61913022	SYNCHRO SOCKET S.S	1 2
16	1AE41420	ISO STOPPER LEVER S.S	
17	1AE41230	ISO STOPPER LEVER	1
18	1AE35230	ISO STOPPER LEVER SPRING	1
19	61911526	CARTRIDGE GUIDE S.S	1
20	1AE10700	CARTRIDGE GUIDE	1
21	61912522	LOCK PLATE SPRING S.S	1
22	13912100	LOCK PLATE SPRING	
23	1AE10200	BODY MOQUETTE (A)	1
24	*	BODY	
25	61914526	EXPOSURE CHECK SWITCH S.S	1
26	1AE34200	EXPOSURE CHECK SWITCH	
27	66001090	CHECK SWITCH PLATE S.S	1
28	1AE34400	CHECK SWITCH PLATE	1
29	1AE10400	HINGE SHAFT HOLDER	1
30	61813022	HINGE SHAFT HOLDER S.S	2

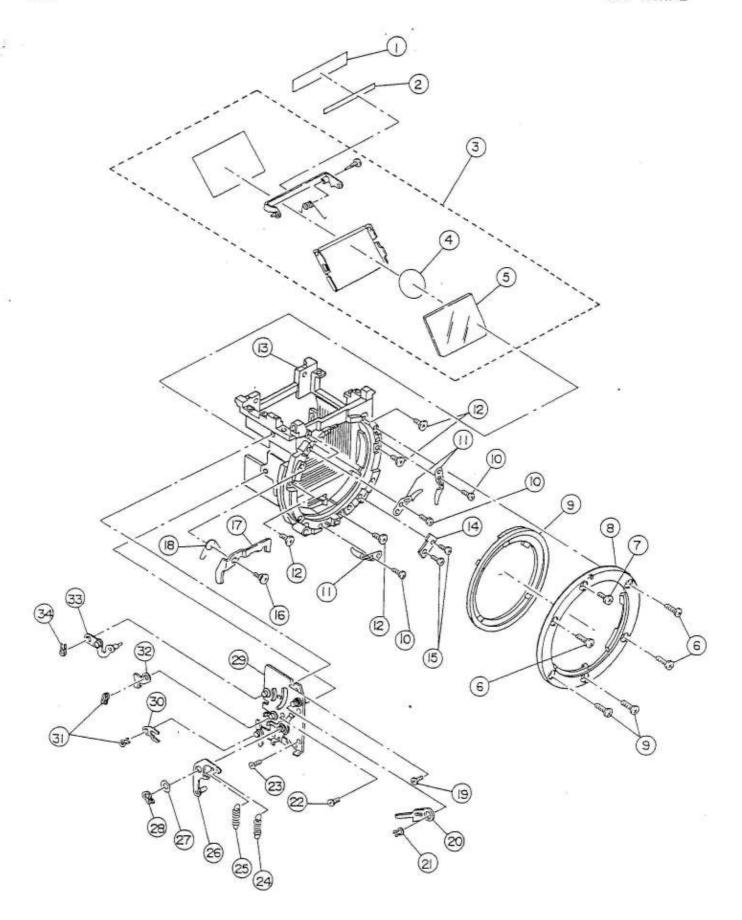


	PARTS NO.	DESCRIPTION	Q'TY
1	61914026	BATTERY CASE S.S	2
2	A 🔓 A	BATTERY CASE	1
3	1AE12310	BATTERY CASE CONTACT (B)	1
4	61824022	TRIPOD SOCKET S.S	3
5	1AE10300	TRIPOD SOCKET	1
6	14743710	SR LEVER (3) SHAFT SCREW	3
7	66001225	E RING (E-12)	1
8	1AEAA310	SR LEVER ASS'Y	1
9	1AEAA300	SR LEVER (3) ASS'Y	1
10	14761400	WINDING STOPPER LEVER SPRING	1
11	61913026	WINDING STOPPER LEVER S.S	1
12	61914026	SR LOCK LEVER RETAINER S.S	1
13	1AE22300	SR LOCK LEVER RETAINER	1
14	1AEAA280	WINDING STOPPER LEVER ASS'Y	1
15	61912026	SR LEVER ASS'Y S.S	1
16	66001041	SPROCKET RELEASE SPRING S.S	1
17	1AE61400	SPROCKET RELEASE SPRING	1
18	1AEAA290	SM SET LEVER ASS'Y	1
19	15967700	OR STOP LEVER SPRING	1
20	1AEAA320	SPROCKET METAL ASS'Y	1
21	14743900	SR LOCK LEVER	1
22	14744000	SR LOCK SPRING	1
23	63912526	SPROCKET METAL S.S	1
24	15262200	WINDING SPRING	1
25	66001068	WINDING SHAFT HOLDER S.S	2
26	66001037	SET CAM FIXER S.S	1
27	14761022	SET CAM FIXER	1
28	14767110	SET CAM RING	1
29	1AEAA330	SET CAM PLATE ASS'Y	1
30	15661100	WINDING SHAFT HOLDER	1 1 1
31	61813526	ANTI-REVERSING CLAW S.S	1
32	14763700	ANTI-REVERSING CLAW COLLAR	1
33	14763600	ANTI-REVERSING CLAW SPRING	1
34	14763800	ANTI-REVERSING CLAW	1
35	1AE10200	BODY MOQUETTE (A)	2
36	*	BODY	1
37	1AE12810	BODY SHIELD (LOWER)	1
38	1AA11100	FILM GUIDE PIN	1
39	1AE11000	REGISTER COVER	1
40	63913526	REGISTER COVER S.S	1 1 1 2 1
41	1AE12720	BODY SHIELDE (UPPER)	1
42	1AE12900	BODY SHIELD (S) .	
43	15964101	OUTSIDE SPOOL	1
2,3	1AEAA270	BATTERY CASE ASS'Y	1

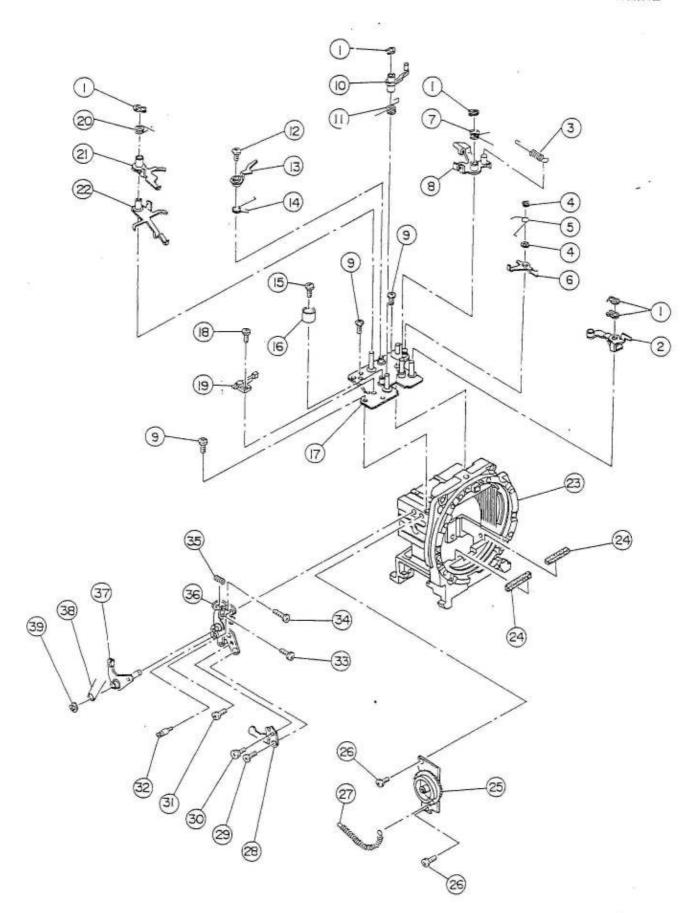




TABLES TRONT BASE FRONT COVER S.		PARTS NO.		DESCRIPTION	Q'TY
PRONT BASE FRONT COVER S.S	1	1AE16910		PATTERN COVER	1
3 69102062	9.33				1
Table Tabl		69102062		FRONT COVER S.S	3
SELF-TIMER LEVER S.S	100				1
SELF-TIMER LEVER FING (E-12)				SELF-TIMER LEVER S.S	1
8 66102025 9 69103066 10 1AEI7900 1 1AEI7900 1 13181800 12 17422401 13 17418700 14 1AE17740 15 1AEB4600 16 1AEB4900 17 63913526 18 1AEB4700 19 13987200 19 13987400 10 13987400 11 1398700				SELF-TIMER LEVER	1
## 8 66102025 E RING (E-20) 9 69103066 APERTURE BUTTON HOLDER S.S 10 1AE17900 APERTURE BUTTON HOLDER 11 13181800 LENS LOCK BUTTON SPRING 12 17422401 LENS LOCK BUTTON SPRING 13 17418700 APERTURE BUTTON SPRING 14 1AE17740 APERTURE BUTTON SPRING 15 1AE84600 PENTA SPACER 16 1AE84900 PRISM SPACER 17 63913526 PENTA PRISM HOLDER S.S 18 1AE84700 S. INDICATER PRISM 19 13987200 FOCUS ADJUSTMENT WASHER (t:0.2) 13987400 FOCUS ADJUSTMENT WASHER (t:0.4) 13987400 FOCUS ADJUSTMENT WASHER (t:0.5) 13989400 FOCUS ADJUSTMENT WASHER (t:0.5) 13989400 FOCUS ADJUSTMENT WASHER (t:0.5) 13989800 FOCUS ADJUSTMENT WASHER (t:0.6) 13989800 FOCUS ADJUSTMENT WASHER (t:0.7) 20 1AE08100 PENTA PRISM HOLDER ASS'Y 21 17484900 FOCUS ADJUSTMENT WASHER (t:0.7) 22 1AE84300 PG HOLDER 23 17486200 PG PIN 24 17424500 SHOE CONTACT HOLDER 25 1AEAE200 PG PIN 26 1AE85100 LIGHT SENSOR HOLDER 27 61914026 EYE-PIECE HOLDER ASS'Y S.S 28 1AEAB160 EYE-PIECE HOLDER S.S 29 69114076 SHOE CONTACT HOLDER S.S 30 1AA82200 PENTA PRISM FIXER 30 1AA82200 PENTA PRISM FIXER 31 15986200 PENTA PRISM FIXER 32 17484210 PENTA PRISM FIXER 33 13985800 PENTA PRISM FIXER 34 1AE84200 PENTA PRISM FIXER 35 1AE84510 FINDER MASK FRAME 36 1AEAB010 MIRROR BOX ASS'Y (See Page 8,9)	1			E RING (E-12)	
9 69103066 APERTURE BUTTON HOLDER S.S 10 1AE17900 APERTURE BUTTON HOLDER 11 13181800 LENS LOCK BUTTON SPRING 12 17422401 LENS LOCK BUTTON SPRING 13 17418700 APERTURE BUTTON SPRING 14 1AE17740 APERTURE BUTTON SPRING 15 1AE84600 PRISM SPACER 16 1AE84900 PRISM SPACER 17 63913526 PENTA PRISM HOLDER S.S 18 1AE84700 FOCUS ADJUSTMENT WASHER (t:0.2) 13987400 FOCUS ADJUSTMENT WASHER (t:0.3) 13984000 FOCUS ADJUSTMENT WASHER (t:0.4) 13987100 FOCUS ADJUSTMENT WASHER (t:0.5) 13989400 FOCUS ADJUSTMENT WASHER (t:0.6) 13989800 FOCUS ADJUSTMENT WASHER (t:0.7) 20 1AE08100 PENTA PRISM HOLDER ASS'Y 21 17484900 FOCUS ADJUSTMENT WASHER (t:0.7) PENTA PRISM HOLDER ASS'Y 22 1AE84300 PG HOLDER 23 17486200 PG PIN 24 17424500 SHOE CONTACT HOLDER 25 1AEAE200 FD ASS'Y 26 1AE85100 LIGHT SENSOR HOLDER 27 61914026 EYE-PIECE HOLDER ASS'Y S.S 28 1AEAB160 EYE-PIECE HOLDER ASS'Y 29 69114076 SHOE CONTACT HOLDER S.S 1 15986200 PENTA PRISM RETAINING PLATE 29 69114076 SHOE CONTACT HOLDER S.S 21 17484210 PENTA PRISM FIXER 29 FENTA PRISM FIXER 29 PENTA PRISM 31 13985800 PENTA DUST-PROOF MOQUETTE 31 1AE84510 FINDER MASK FRAME 31 1AE84510 MIRROR BOX ASS'Y (See Page 8,9)				뭐 주사하였다. [10] -	1
10 1AE17900 11 13181800 12 17422401 13 17418700 14 1AE17740 15 1AE84600 16 1AEE4900 17 63913526 18 1AE84700 19 13987200 13987400 13984000 139884000 139884000 139884000 1398800 14 1AE84900 15 1AE84800 16 1AE84900 17 63913526 18 1AE84700 19 13987200 19 13987200 10 13987200 11 13987100 12 17484900 13987100 139884000 139884000 139884000 14 17424500 15 1AE848100 16 1AE84900 17 61914026 18 174848200 19 174848200 19 174848200 19 174848200 19 174848200 20 1AE88100 21 17484900 22 1AE84300 23 17486200 24 17424500 25 1AEAE200 26 1AE85100 27 61914026 28 1AEAB160 29 69114076 30 1AA82200 31 15986200 31 15986200 32 17484210 33 13985800 34 1AE84200 35 1AE84510 36 1AE84510 36 1AE84510 37 1AE84510 38 1AE84510 39 1AE84510 30 1AE84510 31 1AE84510 31 1AE84510 31 1AE84510 32 17484210 33 13985800 34 1AE84510 35 1AE84510 36 1AEAB010 4 INTERPRENTA PRISM FIXER 4 PENTA PRISM PRISM FIXER 4 PENTA PRISM PRISM PRISM PRISM PRISM PRISM PRISM PRI				APERTURE BUTTON HOLDER S.S	1
1					15
12	120			LENS LOCK BUTTON SPRING	1
13 17418700 APERTURE BUTTON SPRING 14 1AE17740 APERTURE BUTTON 15 1AE84600 PENTA SPACER 16 1AE84900 PRISM SPACER 17 63913526 PENTA PRISM HOLDER S.S 18 1AE84700 S. INDICATER PRISM 19 13987200 FOCUS ADJUSTMENT WASHER (t:0.2) 13987400 FOCUS ADJUSTMENT WASHER (t:0.4) 13987100 FOCUS ADJUSTMENT WASHER (t:0.5) 13989400 FOCUS ADJUSTMENT WASHER (t:0.5) 13989800 FOCUS ADJUSTMENT WASHER (t:0.6) 13989800 FOCUS ADJUSTMENT WASHER (t:0.7) PENTA PRISM HOLDER ASS'Y 17484900 PENTA PRISM HOLDER ASS'Y 17484900 PENTA PRISM HOLDER ASS'Y 17486200 PG PIN 24 17424500 SHOE CONTACT HOLDER 25 1AEAE200 SPD ASS'Y 26 1AE85100 LIGHT SENSOR HOLDER 27 61914026 EYE-PIECE HOLDER ASS'Y S.S 28 1AEAB160 EYE-PIECE HOLDER ASS'Y 29 69114076 SHOE CONTACT HOLDER S.S 20 1AA82200 PENTA PRISM RETAINING PLATE 21 17484210 PENTA PRISM FIXER 22 17484210 PENTA PRISM FIXER 23 13985800 PENTA PRISM FIXER 24 1AE84500 PENTA PRISM FIXER 25 1AE84510 FINDER MASK FRAME 36 1AEAB010 MIRROR BOX ASS'Y (See Page 8,9)			100	LENS LOCK BUTTON	1
14 1AE17740 15 1AE84600 16 1AE84900 17 63913526 18 1AE84700 19 13987200 13987400 13987400 13987400 139894000 13989400 13989800 13989800 10 1AE84300 11 17424500 11 17424500 12 1AE84300 13 17486200 14 17424500 15 1AEAE200 16 1914026 16 1914026 17 61914026 18 1AE84510 19 69114076 10 1AB82200 11 15986200 11 15986200 11 15986200 11 15986200 11 15986200 11 15986200 11 14884200 11 14884200 11 1AE84510 11 1AE84510 11 1AEAB010 11 1		0.5		APERTURE BUTTON SPRING	1
15 1AE84600 PENTA SPACER 16 1AE84900 PRISM SPACER 17 63913526 PENTA PRISM HOLDER S.S 18 1AE84700 S. INDICATER PRISM 19 13987200 FOCUS ADJUSTMENT WASHER (t:0.2) 13987400 FOCUS ADJUSTMENT WASHER (t:0.4) 13987100 FOCUS ADJUSTMENT WASHER (t:0.5) 13989800 FOCUS ADJUSTMENT WASHER (t:0.6) 13989800 FOCUS ADJUSTMENT WASHER (t:0.6) 13989800 FOCUS ADJUSTMENT WASHER (t:0.7) 20 1AE08100 PENTA PRISM HOLDER ASS'Y 21 17484900 FOCUSING GLASS 22 1AE84300 PG HOLDER 23 17486200 PG PIN 24 17424500 SHOE CONTACT HOLDER 25 1AEAE200 SPD ASS'Y 26 1AE85100 LIGHT SENSOR HOLDER 27 61914026 EYE-PIECE HOLDER ASS'Y S.S 28 1AEAB160 EYE-PIECE HOLDER ASS'Y S.S 29 69114076 SHOE CONTACT HOLDER S.S 30 1AA82200 PENTA PRISM RETAINING PLATE 31 15986200 PENTA PRISM RETAINING PLATE 32 17484210 PENTA COVER 33 13985800 PENTA PRISM FIXER 34 1AE84200 PENTA PRISM FIXER 35 1AE84510 FINDER MASK FRAME 36 1AEAB010 MIRROR BOX ASS'Y (See Page 8.9)		710 FREE 1000		APERTURE BUTTON	1
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19 13987200 FOCUS ADJUSTMENT WASHER (t:0.2) 13987400 FOCUS ADJUSTMENT WASHER (t:0.3) 13984000 FOCUS ADJUSTMENT WASHER (t:0.4) 13987100 FOCUS ADJUSTMENT WASHER (t:0.5) 13989400 FOCUS ADJUSTMENT WASHER (t:0.6) 13989800 FOCUS ADJUSTMENT WASHER (t:0.7) 20 1AE08100 PENTA PRISM HOLDER ASS'Y 21 17484900 FOCUSING GLASS 22 1AE84300 PG HOLDER 23 17486200 PG PIN 24 17424500 SHOE CONTACT HOLDER 25 1AEA8200 SPD ASS'Y 26 1AE85100 LIGHT SENSOR HOLDER 27 61914026 EYE-PIECE HOLDER ASS'Y S.S 28 1AEAB160 EYE-PIECE HOLDER ASS'Y 29 69114076 SHOE CONTACT HOLDER S.S 30 1AA82200 PENTA PRISM RETAINING PLATE 31 15986200 PENTA PRISM FIXER 32 17484210 PENTA COVER 33 13985800 PENTA DUST-PROOF MOQUETTE 34 1AE84200 PENTA PRISM 35 1AE84510 FINDER MASK FRAME 36 1AEAB010 MIRROR BOX ASS'Y (See Page 8,9)	17	63913526		PENTA PRISM HOLDER S.S	4
19 13987200 FOCUS ADJUSTMENT WASHER (t:0.2) 13987400 FOCUS ADJUSTMENT WASHER (t:0.3) 13987100 FOCUS ADJUSTMENT WASHER (t:0.4) 13987100 FOCUS ADJUSTMENT WASHER (t:0.5) 13989400 FOCUS ADJUSTMENT WASHER (t:0.6) 13989800 FOCUS ADJUSTMENT WASHER (t:0.6) 13989800 FOCUS ADJUSTMENT WASHER (t:0.7) 20 1AE08100 PENTA PRISM HOLDER ASS'Y 21 17484900 FOCUSING GLASS 22 1AE84300 PG HOLDER 23 17486200 PG PIN 24 17424500 SHOE CONTACT HOLDER 25 1AEAE200 SPD ASS'Y 26 1AE85100 LIGHT SENSOR HOLDER 27 61914026 EYE-PIECE HOLDER ASS'Y S.S 28 1AEAB160 EYE-PIECE HOLDER ASS'Y 29 69114076 SHOE CONTACT HOLDER S.S 30 1AA82200 PENTA PRISM RETAINING PLATE 31 15986200 PENTA PRISM FIXER 32 17484210 PENTA COVER 33 13985800 PENTA DUST-PROOF MOQUETTE 34 1AE84200 PENTA PRISM 35 1AE84510 FINDER MASK FRAME 36 1AEAB010 MIRROR BOX ASS'Y (See Page 8,9)	18	1AE84700		S. INDICATER PRISM	1
13984000 FOCUS ADJUSTMENT WASHER (t:0.4) 13987100 FOCUS ADJUSTMENT WASHER (t:0.5) 13989400 FOCUS ADJUSTMENT WASHER (t:0.6) 13989800 FOCUS ADJUSTMENT WASHER (t:0.7) 20 1AE08100 PENTA PRISM HOLDER ASS'Y 21 17484900 FOCUSING GLASS 22 1AE84300 PG HOLDER 23 17486200 PG PIN 24 17424500 SHOE CONTACT HOLDER 25 1AEAE200 SPD ASS'Y 26 1AE85100 LIGHT SENSOR HOLDER 27 61914026 EYE-PIECE HOLDER ASS'Y S.S 28 1AEAB160 EYE-PIECE HOLDER ASS'Y 29 69114076 SHOE CONTACT HOLDER S.S 30 1AA82200 PENTA PRISM RETAINING PLATE 31 15986200 PENTA PRISM FIXER 32 17484210 PENTA COVER 33 13985800 PENTA DUST-PROOF MOQUETTE 34 1AE84200 PENTA PRISM 35 1AE84510 FINDER MASK FRAME 36 1AEAB010 MIRROR BOX ASS'Y (See Page 8,9)	19			FOCUS ADJUSTMENT WASHER (t:0.2)	4
13987100 FOCUS ADJUSTMENT WASHER (t:0.5) 13989400 FOCUS ADJUSTMENT WASHER (t:0.6) 13989800 FOCUS ADJUSTMENT WASHER (t:0.7) 20 1AE08100 PENTA PRISM HOLDER ASS'Y 21 17484900 FOCUSING GLASS 22 1AE84300 PG HOLDER 23 17486200 PG PIN 24 17424500 SHOE CONTACT HOLDER 25 1AEAE200 SPD ASS'Y 26 1AE85100 LIGHT SENSOR HOLDER 27 61914026 EYE-PIECE HOLDER ASS'Y S.S 28 1AEAB160 EYE-PIECE HOLDER ASS'Y 29 69114076 SHOE CONTACT HOLDER S.S 30 1AA82200 PENTA PRISM RETAINING PLATE 31 15986200 PENTA PRISM FIXER 32 17484210 PENTA COVER 33 13985800 PENTA DUST-PROOF MOQUETTE 34 1AE84200 PENTA DUST-PROOF MOQUETTE 35 1AE84510 FINDER MASK FRAME 36 1AEAB010 MIRROR BOX ASS'Y (See Page 8,9)		13987400		FOCUS ADJUSTMENT WASHER (t:0.3)	4
13989400 FOCUS ADJUSTMENT WASHER (t:0.6) 13989800 FOCUS ADJUSTMENT WASHER (t:0.7) 20 1AE08100 PENTA PRISM HOLDER ASS'Y 21 17484900 FOCUSING GLASS 22 1AE84300 PG HOLDER 23 17486200 PG PIN 24 17424500 SHOE CONTACT HOLDER 25 1AEAE200 SPD ASS'Y 26 1AE85100 LIGHT SENSOR HOLDER 27 61914026 EYE-PIECE HOLDER ASS'Y S.S 28 1AEAB160 EYE-PIECE HOLDER ASS'Y 29 69114076 SHOE CONTACT HOLDER S.S 30 1AA82200 PENTA PRISM RETAINING PLATE 31 15986200 PENTA PRISM FIXER 32 17484210 PENTA COVER 33 13985800 PENTA DUST-PROOF MOQUETTE 34 1AE84200 PENTA PRISM 35 1AE84510 FINDER MASK FRAME 36 1AEAB010 MIRROR BOX ASS'Y (See Page 8,9)		13984000		FOCUS ADJUSTMENT WASHER (t:0.4)	4
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20 1AE08100 PENTA PRISM HOLDER ASS'Y 21 17484900 FOCUSING GLASS 22 1AE84300 PG HOLDER 23 17486200 PG PIN 24 17424500 SHOE CONTACT HOLDER 25 1AEAE200 SPD ASS'Y 26 1AE85100 LIGHT SENSOR HOLDER 27 61914026 EYE-PIECE HOLDER ASS'Y S.S 28 1AEAB160 EYE-PIECE HOLDER ASS'Y 29 69114076 SHOE CONTACT HOLDER S.S 30 1AA82200 PENTA PRISM RETAINING PLATE 31 15986200 PENTA PRISM FIXER 32 17484210 PENTA COVER 33 13985800 PENTA DUST-PROOF MOQUETTE 34 1AE84200 PENTA PRISM 35 1AE84510 FINDER MASK FRAME 36 1AEAB010 MIRROR BOX ASS'Y (See Page 8,9)		13989400	1	FOCUS ADJUSTMENT WASHER (t:0.6)	4
1 17484900 FOCUSING GLASS 22 1AE84300 PG HOLDER 23 17486200 PG PIN 24 17424500 SHOE CONTACT HOLDER 25 1AEAE200 SPD ASS'Y 26 1AE85100 LIGHT SENSOR HOLDER 27 61914026 EYE-PIECE HOLDER ASS'Y S.S 28 1AEAB160 EYE-PIECE HOLDER ASS'Y 29 69114076 SHOE CONTACT HOLDER S.S 30 1AA82200 PENTA PRISM RETAINING PLATE 31 15986200 PENTA PRISM FIXER 32 17484210 PENTA COVER 33 13985800 PENTA DUST-PROOF MOQUETTE 34 1AE84200 PENTA PRISM 35 1AE84510 FINDER MASK FRAME 36 1AEAB010 MIRROR BOX ASS'Y (See Page 8,9)		13989800			4
22 1AE84300 23 17486200 24 17424500 25 1AEAE200 26 1AE85100 27 61914026 28 1AEAB160 29 69114076 30 1AA82200 31 15986200 32 17484210 33 13985800 34 1AE84500 35 1AE84510 36 1AE84510 37 FINDER MASK FRAME 38 1AEAB010 39 FINDER MASK FRAME 30 1AEAB010 31 1AEAB010 32 17484210 33 13985800 34 1AE84200 35 1AE84510 36 1AEAB010 37 FINDER MASK FRAME 38 MIRROR BOX ASS'Y (See Page 8,9)	20	1AE08100		[1] [1] [1] [2] [2] [2] [2] [2] [2] [2] [2] [2] [2	1
23 17486200 PG PIN 24 17424500 SHOE CONTACT HOLDER 25 1AEAE200 SPD ASS'Y 26 1AE85100 LIGHT SENSOR HOLDER 27 61914026 EYE-PIECE HOLDER ASS'Y S.S 28 1AEAB160 EYE-PIECE HOLDER ASS'Y 29 69114076 SHOE CONTACT HOLDER S.S 30 1AA82200 PENTA PRISM RETAINING PLATE 31 15986200 PENTA PRISM FIXER 32 17484210 PENTA COVER 33 13985800 PENTA DUST-PROOF MOQUETTE 34 1AE84200 PENTA PRISM 35 1AE84510 FINDER MASK FRAME 36 1AEAB010 MIRROR BOX ASS'Y (See Page 8,9)	21	17484900		FOCUSING GLASS	L
24 17424500 SHOE CONTACT HOLDER 25 1AEAE200 SPD ASS'Y 26 1AE85100 LIGHT SENSOR HOLDER 27 61914026 EYE-PIECE HOLDER ASS'Y S.S 28 1AEAB160 EYE-PIECE HOLDER ASS'Y 29 69114076 SHOE CONTACT HOLDER S.S 30 1AA82200 PENTA PRISM RETAINING PLATE 31 15986200 PENTA PRISM FIXER 32 17484210 PENTA COVER 33 13985800 PENTA DUST-PROOF MOQUETTE 34 1AE84200 PENTA PRISM 35 1AE84510 FINDER MASK FRAME 36 1AEAB010 MIRROR BOX ASS'Y (See Page 8,9)	22	1AE84300			1
25 1AEAE200 SPD ASS'Y 26 1AE85100 LIGHT SENSOR HOLDER 27 61914026 EYE-PIECE HOLDER ASS'Y S.S 28 1AEAB160 EYE-PIECE HOLDER ASS'Y 29 69114076 SHOE CONTACT HOLDER S.S 30 1AA82200 PENTA PRISM RETAINING PLATE 31 15986200 PENTA PRISM FIXER 32 17484210 PENTA COVER 33 13985800 PENTA DUST-PROOF MOQUETTE 34 1AE84200 PENTA PRISM 35 1AE84510 FINDER MASK FRAME 36 1AEAB010 MIRROR BOX ASS'Y (See Page 8,9)	23	17486200		PG PIN	1
LIGHT SENSOR HOLDER	24	17424500			1
27 61914026 EYE-PIECE HOLDER ASS'Y S.S 28 1AEAB160 EYE-PIECE HOLDER ASS'Y 29 69114076 SHOE CONTACT HOLDER S.S 30 1AA82200 PENTA PRISM RETAINING PLATE 31 15986200 PENTA PRISM FIXER 32 17484210 PENTA COVER 33 13985800 PENTA DUST-PROOF MOQUETTE 34 1AE84200 PENTA PRISM 35 1AE84510 FINDER MASK FRAME 36 1AEAB010 MIRROR BOX ASS'Y (See Page 8,9)	25	1AEAE200			1
28 1AEAB160 EYE-PIECE HOLDER ASS'Y 29 69114076 SHOE CONTACT HOLDER S.S 30 1AA82200 PENTA PRISM RETAINING PLATE 31 15986200 PENTA PRISM FIXER 32 17484210 PENTA COVER 33 13985800 PENTA DUST-PROOF MOQUETTE 34 1AE84200 PENTA PRISM 35 1AE84510 FINDER MASK FRAME 36 1AEAB010 MIRROR BOX ASS'Y (See Page 8,9)	26	1AE85100			1
29 69114076 SHOE CONTACT HOLDER S.S 30 1AA82200 PENTA PRISM RETAINING PLATE 31 15986200 PENTA PRISM FIXER 32 17484210 PENTA COVER 33 13985800 PENTA DUST-PROOF MOQUETTE 34 1AE84200 PENTA PRISM 35 1AE84510 FINDER MASK FRAME 36 1AEAB010 MIRROR BOX ASS'Y (See Page 8,9)	27	61914026			2
30 1AA82200 PENTA PRISM RETAINING PLATE 31 15986200 PENTA PRISM FIXER 32 17484210 PENTA COVER 33 13985800 PENTA DUST-PROOF MOQUETTE 34 1AE84200 PENTA PRISM 35 1AE84510 FINDER MASK FRAME 36 1AEAB010 MIRROR BOX ASS'Y (See Page 8,9)	28	1AEAB160			1
31 15986200 PENTA PRISM FIXER 32 17484210 PENTA COVER 33 13985800 PENTA DUST-PROOF MOQUETTE 34 1AE84200 PENTA PRISM 35 1AE84510 FINDER MASK FRAME 36 1AEAB010 MIRROR BOX ASS'Y (See Page 8,9)	29	69114076		마마마크 자기요하는 사람들이 마음을 전하기 하면 보는 이미를 보지 않아 보이면 보이었다.	2
32 17484210 PENTA COVER 33 13985800 PENTA DUST-PROOF MOQUETTE 34 1AE84200 PENTA PRISM 35 1AE84510 FINDER MASK FRAME 36 1AEAB010 MIRROR BOX ASS'Y (See Page 8,9)	30	1AA82200			1
35 1AE84510 FINDER MASK FRAME 36 1AEAB010 MIRROR BOX ASS'Y (See Page 8,9)	31	15986200			1
35 1AE84510 FINDER MASK FRAME 36 1AEAB010 MIRROR BOX ASS'Y (See Page 8,9)	32	17484210			1
35 1AE84510 FINDER MASK FRAME 36 1AEAB010 MIRROR BOX ASS'Y (See Page 8,9)	33	13985800			1 1 1
36 1AEAB010 MIRROR BOX ASS'Y (See Page 8,9)	34	1AE84200			1
					1
2,5-14 laEAA240 FRONT BASE ASS'Y	36	1AEAB010		MIRROR BOX ASS'Y (See Page 8,9)	1
	2,	5-14 1AEAA240	ı	FRONT BASE ASS'Y	1



	PARTS NO.		DESCRIPTION	Q'TY
	15097900		S. LIGHT-PROOF PLATE	1
	15987800		S. LIGHT-PROOF PLATE TAPE	î
	15987910		MIRROR FRAME ASS'Y	î
(T)	1AEAB060 13977400		MIRROR ADHESIVE TAPE	1
4	17480100		MIRROR	1
			BODY MOUNT S.S	5
6 7	66001138		BODY MOUNT S.S	1
8			BODY MOUNT	î
	13982310		F. STOP CONNECTING RING	î .
	61913026		MOUNT SPRING S.S	3 -
11	13981230		MOUNT SPRING	3
12			F. STOP CONNECTING RING S.S	4
13	*		MIRROR BOX	1
577570	13981301		MOUNT STOPPER	1
	61913026		MOUNT STOPPER S.S	
1000	14781600		LOCK LEVER SHAFT	1
_	1AE80700		LOCK LEVER	2 1 1
200	14781700		LOCK LEVER SPRING	1
0.355	63911526		MC BASE PLATE S.S	1
20	13976422		MCL-3	1
200	66172522		GS RING (GS-25)	I
200	61912026	拼	MC BASE PLATE S.S	1
	61812526	11	MC BASE PLATE S.S	1
24	13976100		MC RESTORE SPRING	
25	13976000		MC DRIVING SPRING	1
26	06529700		MCL-1 ASS'Y	
27	60223122		WASHER	1
28	66173022		GS RING (GS-30)	1
29	*		MC BASE PLATE	1
30	1AE74100		MCL-7	1
31	66172022		GS RING (GS-20)	2
32	13977020		MCL-5	1
33	06521400		MCL-4 ASS'Y	1
34	66172022		GS RING (GS-20)	1
20,	21, 24-32	06519500	MC BASE PLATE ASS'Y	1
1-3	14	1AEAB010	MIRROR BOX ASS'Y (See Page 9)	1



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	PARTS NO.		DESCRIPTION		Q'TY
			6		
1	66172022		GS RING (GS-20)		5
2	1AEAB100		QRL-7 ASS'Y	90	1
3	1AE80400		QRL-2 SPRING		1
4	66101525		E RING (E-15)		2
5	13973210		QRL-6 SPRING		1
6	13973120		QRL-6		1
7	13971620		QRL-1 SPRING		1
8	06520100		QRL-1 ASS'Y		1
9	61912026		QR BASE PLATE S.S		3
10	14772500		QRL-4		3 1 -
11	1AE72600		QRL-4 SPRING		1
12	66001046	- 20	QRL-5 S.S		1
13	1AEAB120		QRL-5 ASS'Y		1
14	15978730		QRL-5 SPRING		1
15	66001046		QR STOPPER S.S		1
16	1AE71010		QR STOPPER		1
17	*		QR BASE PLATE		1
18	61922526		REVOLVING LIMIT SWITCH S.S		1
19	1AA57310		REVOLVING LIMIT SWITCH		1
20	13972430		QRL-3 SPRING		1
21	06520200		QRL-2 ASS'Y		1
22	1AEAB110		QRL-3 ASS'Y		1
23	*		MIRROR BOX		1
24	1AE80510		MIRROR CUSHION		2
25	1AEAB040		AVR ASS'Y		1
26	61912026		AVR ASS'Y S.S		2
27	14783000		APERTURE RESISTOR SPRING		1
28	1AEAB050		ML-6 ASS'Y		1
29	63911526		ML-6 S.S		1
30	13983400		ML-6 S.S		
31	61812526		ML BASE PLATE S.S		1
32	1AE80600		AVR SPRING POST		1
33	63914526		ML BASE PLATE SCREW		1
34	63915522		ML BASE PLATE SCREW		1.
35	13983300		ML BASE PLATE SPRING		1
36	*		ML BASE PLATE		1
37	1AEAB130		ML-5 ASS'Y		1 1 1
38	1AE80300		ML-4/5 SPRING		1
39	66101525		E RING (E-15)		1
1-8	, 10-22	1AEAB020	QR BASE PLATE ASS'Y		1
33-	39	1AEAB039	ML BASE PLATE ASS'Y		1
1-3	9	1AEAB010	MIRROR BOX ASS'Y (See Page 8)		1

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