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FAA 31051

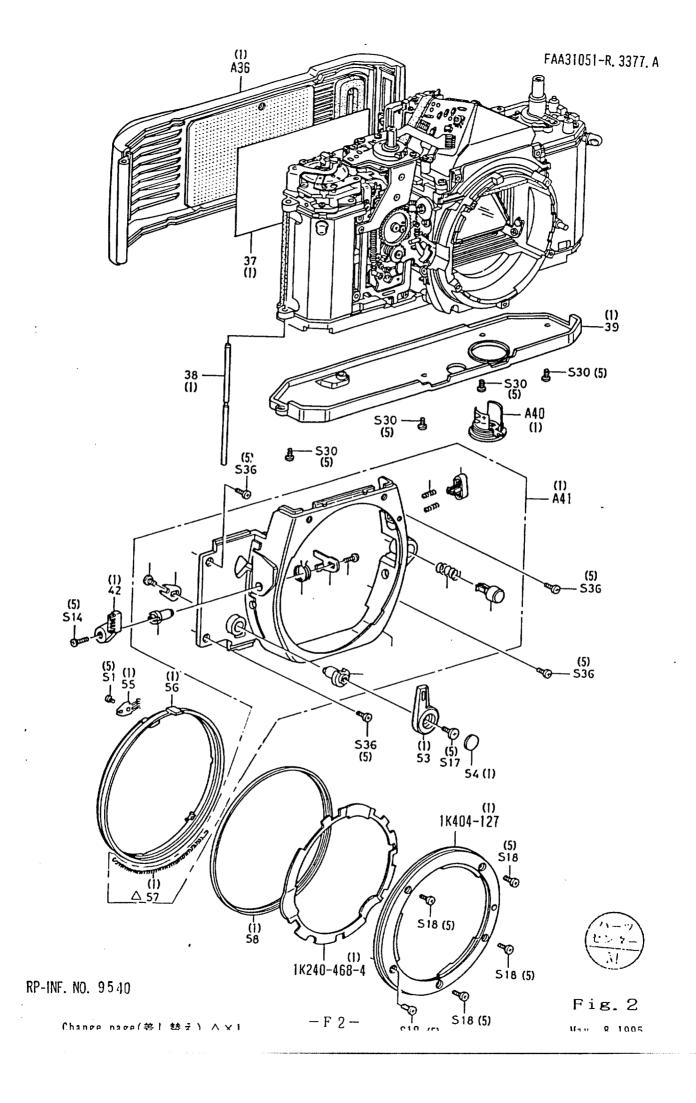
PARTS LIST

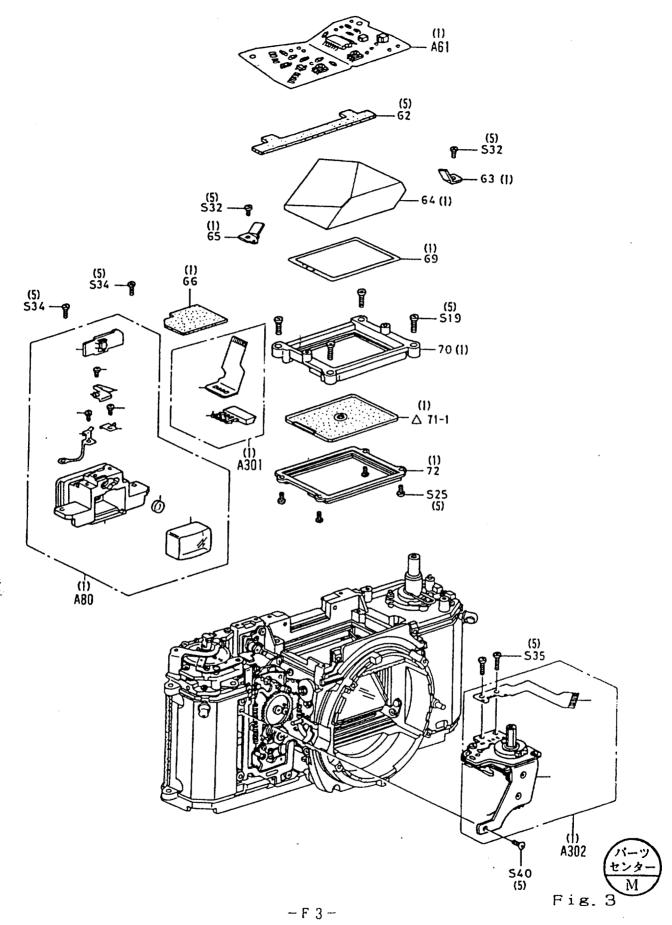
修理部品表



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無断転載を禁ず!!





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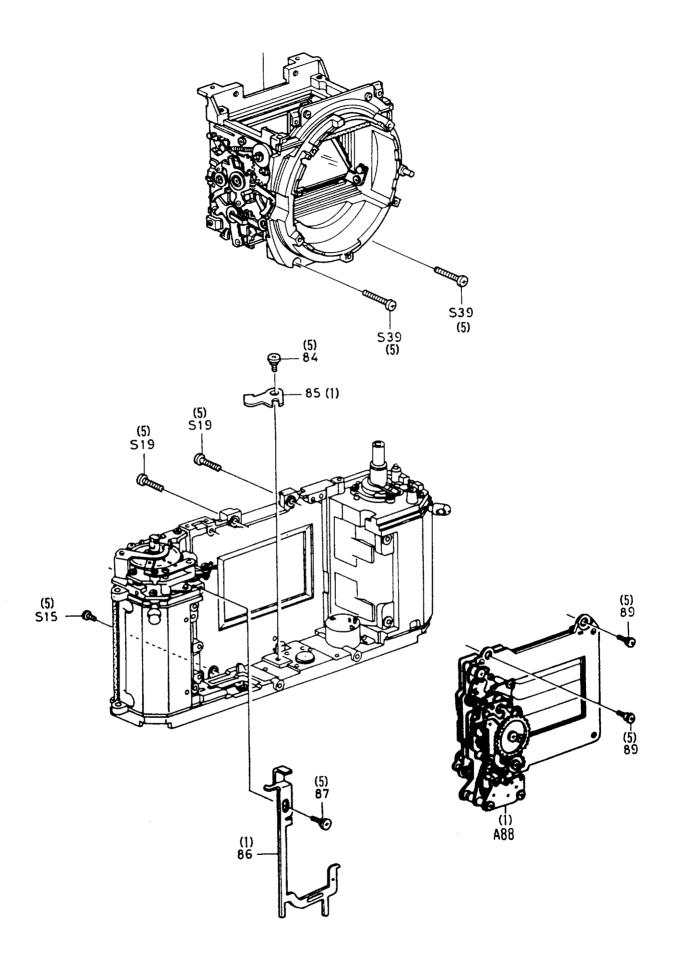


Fig. 4

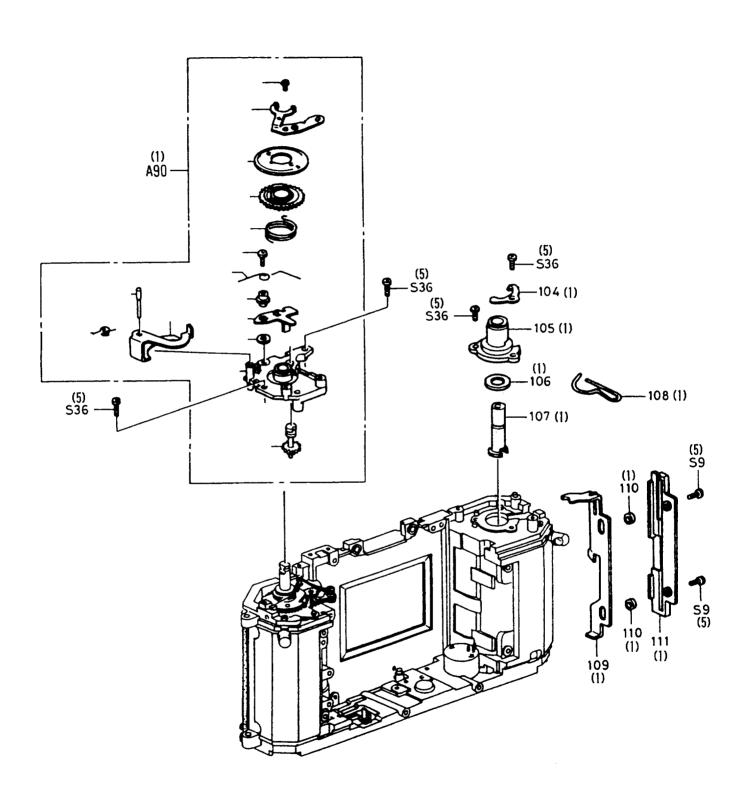
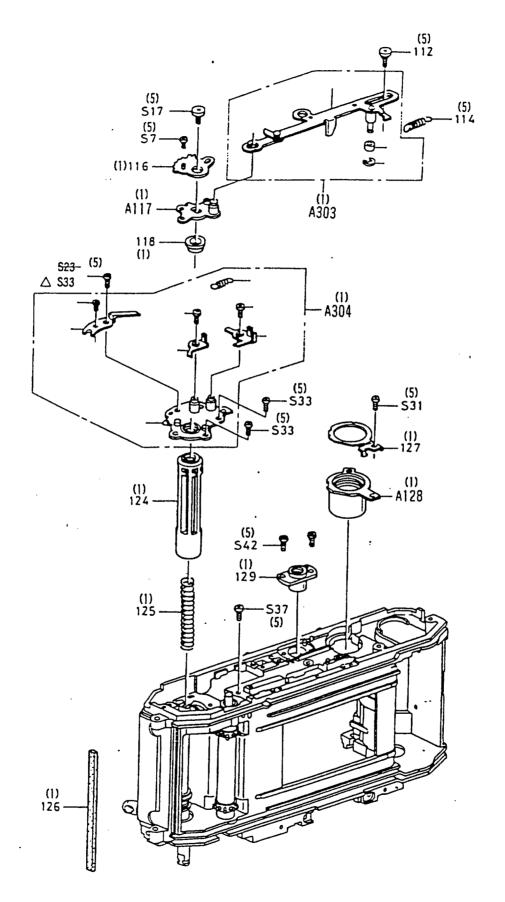


Fig. 5





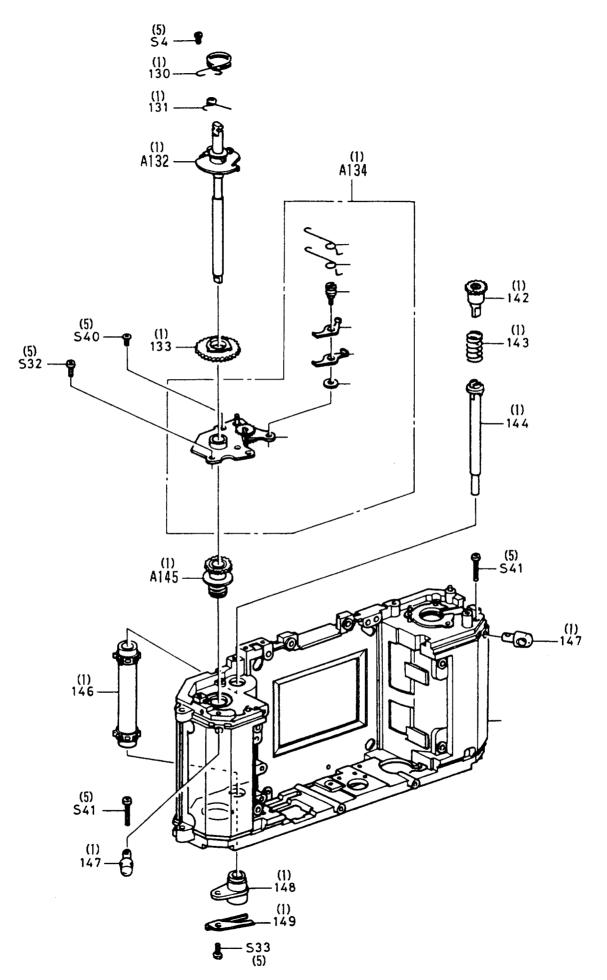
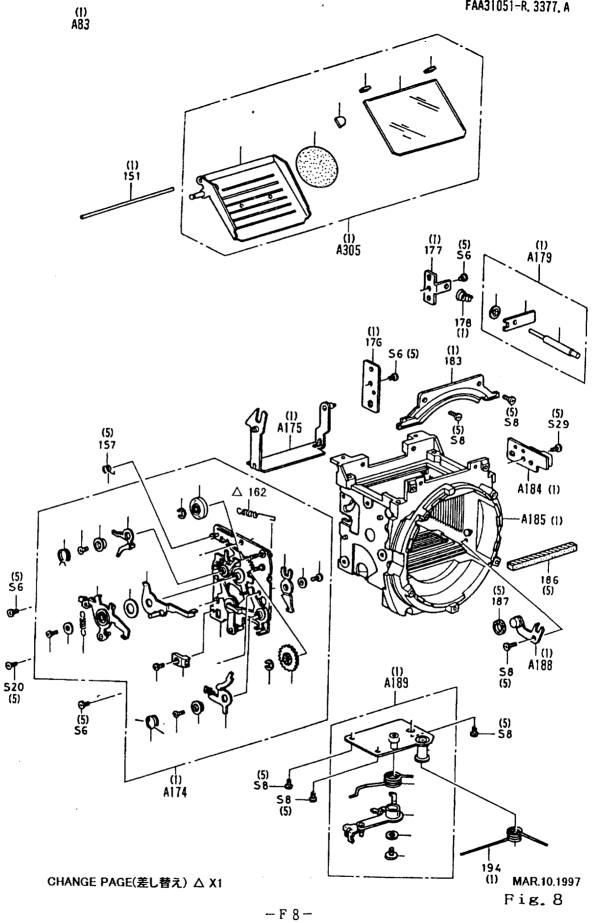
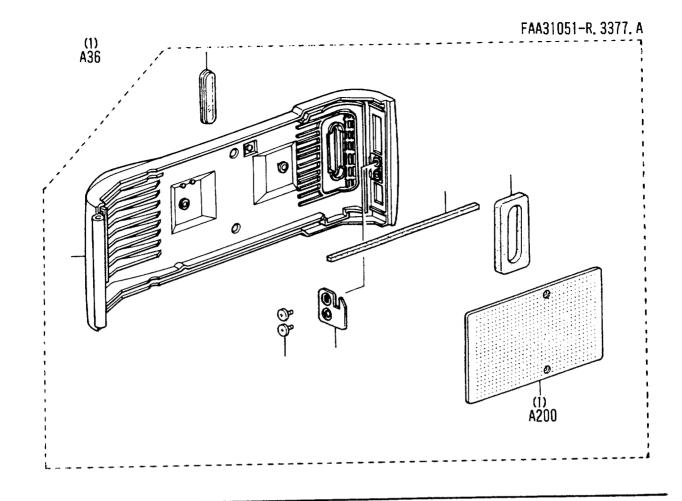
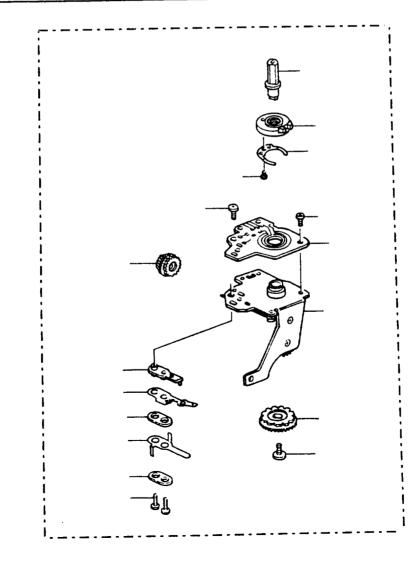


Fig. 7



9707





(1) **A302**

Fig. 9

部品番号	補助番号	名 称	1 台分 個 数 Q'ty Per	部組品番号	参照 図番 Fig.	販売区分 Class.of Salabil-	備考	要求単位 Order Unit
Part No.	Ckt No	Name	Unit	Assembly	No.	i ty	Remarks	Q' ty
1		巻上レバー	1		1	0		1
(FAA31051-1)		Advance lever cover			_			
2		巻上レバーワッシャー	1		1	0		1
(FAA31051-2)		Advance lever washer						
3		巻上レバーバネ	1		1	0		1
(FAA31051-3)		Advance lever spring						-
4		巻上レバー板	1		1	0		1
(FAA31051-4)		Advance lever						
5		レリーズロック板	1		1	0		1
(FAA31051-5)		Release lock plate	•					
6		巻上げレバーカム	1		1	0		1
(FAA31051-6)		Advance lever cam						
7		SDネジ	1		1	0		5
(FAA31051-7)		Speed dial screw	•		L.			
8		SD銘板	1		1	0		1
(FAA31051-8)		Speed dial plate	1		·			
9		ISO銘板	1		1	0		1
(FAA31051-9)		ISO plate	1		•			
1 0		ISOバネ	1		1	0		1
(FAA31051-10)		ISO spring	1		Ĺ			
1 1		SDダイアル	1		1	0		1
(FAA31051-11)		Speed dial knob			•			
1 2		ISOカラー	1		1	0		1
(FAA31051-12)		ISO collar	1		•			
1 3		ISOストッパー	1		1	0		1
(FAA31051-13)		ISO stopper	1					
3 2		グリップ接着テープA	1		1			1
(FAA31051-32)		Grip rubber tape	1					
3 3		グリップゴム	1			0		1
(FAA31051-33)		Grip rubber	•					

部品表 Parts List

FAA31051-R. 3377.

#1344		T**	1.4.0	I	T		A 3 1 0 5 1 - R. 3	T
部品番号 Part No.	補助番号 Ckt No	名 称 Name	1 台分 個数 Q'ty Per Unit	部組品番号 Assembly	参照 図番 Fig. No.	販売区分 Class. of Salabil- ity	備考	要求単位 Order Unit Q'ty
3 4		右ラバー接着テープA				<u> </u>		
(FAA31051-34)		Grip rubber tape	1		1	0		1
3 5		右ラバー						
(FAA31051-35)		Grip rubber	1		1	0		1
3 7		圧板保護シート						
(FAA31051-37)		Protect sheet	1		2	0		1
3 8		蝶番軸	1			(
(FAA31051-38)		Back door shaft	_		2	0		1
3 9		下カバー				_		
(FAA31051-39)		Bottom cover	1		2	0		1
4 2		校込みレバー	,					
(FAA31051-42)		Preview lever	1		2	0		1
5 3		セルフレバー	1		2			
(FAA31051-53)		Self timer lever			2	0		1
5 4		セルフレバープレート	1		2	0		
(FAA31051-54)		Self lever plate	•				•	1
5 5		絞りブラシ	1		2	0		1
(FAA31051-55)		Brush			-			
5 6		紋り環	1		2	0		
(FAA31051-56)		Diaphragm ring			الـــــــــــــــــــــــــــــــــــــ	U		1
5 7		絞りスプリング	1	A-41	2	ΟΔ	RP-9540	1
(FAA31051-57)		Spring						
5 8		紋り連動環	1		2	0		1
(FAA31051-58)		Diaphragm actuating ring	•					
6 2		プリズムモルト	1 1		3	0		5
(FAA31051-62)		Prism sponge						•
6 3	l i	プリズム押えバネ (A)	1		3	0		1
(FAA31051-63)		Prism holder (A)						•
6 4		ペンタプリズム	1		3	0		1
(FAA31051-64)		Penta prism						
								j

RP-INF. NO. 9540

	都品番号	補助番号		1台分 個数 Q'ty Per	部組品番号	図番 Fig.	販売区分 Class. of Salabil-	備 考	要求単位 Order Unit
	Part No.	Ckt No	Name	Unit	Assembly	Na	ity	Remarks	Q' ty
	6.5		プリズム押えバネ (B)	1		3	0		1
	(FAA31051-65)		Prism holder (B)						<u> </u>
	6 6		シャッター遮光モルト	1		3	0		1
	(FAA31051-66)		Shutter light baffle sponge						
ļ	6 9		ファインダーマスク	1		3	0		1
}	(FAA31051-69)		Finder masc						
	7 0		プリズム台	1		3	0		1
	(FAA31051-70)		Prism base						
Δ	71		フレネル	1		3	0	RP-9607	1
Ì	(FAA31051-71)		Fresnel lens				_		<u> </u>
Δ	71-1		フレネル	1		3	0	RP-9607	1
	(FAA31051-71-1)		Fresnel lens	-			_		
ł	7 2		フレネル押え	1		3	0		1
	(FAA31051-72)		Fresnel lens holder	-					•
	8 4		セットレバーAネジ	1		4	0		5
	(FAA31051-84)		Screw						
	8 5		セットレバーA	1		4	0		. 1
	(FAA31051-85)		Set lever A	•					1
	8 6		レリーズ板	1		4	0		1
	(FAA31051-86)		Release plate	•					1
	8 7		レリーズ板ネジ	1		4	0		5
Ì	(FAA31051-87)		Screw					·	ن
	8 9		シャッター止めネジ	2		4	0		E
	(FAA31051-89)		Screw						5
	104		裏蓋開閉パネ						
	(FAA31051-104)		Back door locking spring	1		5	0		1
	105		巻戻し軸受						
	(FAA31051-105)		Rewind shaft base	1		5	0		1
	106		巻戻し軸カラー			_			
	(FAA31051-106)	_	Rewind shaft collar	1		5	0		
	107		巻戻し軸				$\overline{}$		
	(FAA31051-107)	}	Rewind shaft	1		5	0		1
1									
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Ì									
						_	_		_
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部品表 Parts List

FAA31051-R. 3377. A

部品番号	甫助番号	名 称	1台分 個数 Q'ty Per	部組品番号	参照 図番 Fig.	販売区分 Class.of Salabil-	備考	要求単位 Order Unit
Part No.	Ckt No	Name	Unit	Assembly	No.	ity	Remarks	Q' ty
1 0 8		巻戻し軸バネ	1 1		5	0		1
(FAA31051-108)		Rewind shaft spring	•					
1 0 9		開閉鍵板	1		5			1
(FAA31051-109)		Back door locking plate						
1 1 0		開閉鍵板カラー	2		5	0		1
(FAA31051-110)		Locking plate coller			Ĭ.			
1 1 1		출 止めカバー	1	}	5	0		1
(FAA31051-111)		Locking plate cover	1		Ľ.			
1 1 2		チャージレバーネジ	1		6	0		5
(FAA31051-112)		Screw	1			Ü		
1 1 4		チャージレバースプリング	1		6	0		5
(FAA31051-114)		Spring	1					
1 1 6		チャージ板	1		6	0		1
(FAA31051-116)		Charge plate	1					
1 1 8		チャージ板カラー	1		6	0		
(FAA31051-118)		Charge plate coller	1					
1 2 4		スプール	1		6	0		1
(FAA31051-124)		Spool	1					
1 2 5		スプール内バネ	1		6	0		1
(FAA31051-125)		Spool inner spring	1		ľ			
1 2 6		遮光モルト	1		6	0		1
(FAA31051-126)		Light baffle sponge	1					
1 2 7		電池アース接片			6	0		1
(FAA31051-127)		Battery cap contact plate	1					
1 2 9		三脚座			6	0		1
(FAA31051-129)		Tripod socket	1					
1 3 0		巻上レバー戻しバネ	1		7	0		1
(FAA31051-130)		Advance spring	1					
1 3 1		巻上爪バネ	1		7	0		
(FAA31051-131)		Advance claw spring						

部品番号	補助番号	名 称	1 台分 個 数 Q'ty Per	部組品番号	参照図番		備考	要求単位 Order
Part No.	Ckt No	Name	Unit	Assembly	Fig. Na	Salabil- ity	Remarks	Unit Q'ty
1 3 3		巻上歯車			_			
(FAA31051-133)		Advance gear	1		7	0		1
1 4 2		スプロケットギア				_		
(FAA31051-142)		Sprocket gear	1		7	0		1
1 4 3		スプロケットバネ			_	_		
(FAA31051-143)		Sprocket spring	1		7	0		1
144		スプロケット軸			_			
(FAA31051-144)		Sprocket shaft	1		7	0		1
146		スプロケット			_			<u> </u>
(FAA31051-146)		Sprocket	1		7	0		1
147		吊環				_		
(FAA31051-147)		Neck strap tug	2		7	0		1
1 4 8		スプロケット軸受						
(FAA31051-148)		Sprocket shaft bearing	1		7	0		1
1 4 9		スプロケット解除バネ						
(FAA31051-149)		Sprocket release spring	1		7	0		1
1 5 1		ミラー軸				_		
(FAA31051-151)		Mirror holder shaft	1		8	0		1
1 5 7		ミラーバネ						
(FAA31051-157)		Mirror spring	1		8	0		5
162		ガバナバネ					RP-9707	
(FAA31051-162)		GOVERNOR SPRING	1		8	0		5
1 7 6		遮光板受				_		
(FAA31051-176)		Light baffle plate base	1		8	0		1
177		Lピン受						·
(FAA31051-177)		L pin base	1		8	0		1
178		レンズロックバネ						
(FAA31051-178)		Spring	1		8	0	:	1
1 8 3		F-F0 PCB						
(FAA31051-183)		F-FO PCB	1		8	0		1 '
186		ミラー受モルト						
(FAA31051-186)]	Mirror shock absorber	1		8	0		5

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9707-3/6 MAR. 10. 1997

部品番号	補助番号	名 称	1台分 個数 Q'ty Per Unit	部組品番号	参照 図番 Fig.	販売区分 Class.of Salabil-	備考	要求単位 Order Unit
Part No.	Ckt No	Name	Unit	Assembly	No.	ity	Remarks	Q' ty
1 8 7		ミラー受ゴム	1		8	0		5
(FAA31051-187)		Mirror cushion rubber	1					
194		ミラー駆動チャージバネ	1		8	0		1
(FAA31051-194)		Spring						
* 1K240-468-4		バヨネットマウントバネ	1		2	0		1
(1K240-468-2)		Bayonet mount spring	•		Ĺ			
1K404-127		バヨネットマウント	1		2	0		1
(1K404-127)		Bayonet mount	1					
					İ			

部品番号	補助番号	名 称	1 台分 個 数	部組品番号	図番	販売区分 Class. of	備考	要求単位 Order
Part No.	Ckt No	Name	Q'ty Per Unit	Assembly	Fig. Na	Salabil- ity	Remarks	Unit Q'ty
S I		Screw	1		2	0		5
(FAA31051-S1)								,
S 4 (FAA31051-S4)		Screw	1		7	0		5
S 6 (FAA31051-S6)		Screw	4		8	0		5
S 7 (FAA31051-S7)		Screw	1		6	0		5
S 8 (FAA31051-S8)		Screw	6	•	8	0		5
S 9 (FA431051-S9)		Screw	1		5	0		5
S 1 2 (FAA31051-S12)		Screw	4		1	0		5
S 1 4 (FAA31051-S14)		Screw	3		1 2	0		5
S 1 5 (FAA31051-S15)		Screw	1		4	0		5
S 1 7 (FAA31051-S17)		Screw	2		2 6	0		5
S 1 8 (FAA31051-S18)		Screw	5		2	0		5
S 1 9 (FAA31051-S19)		Screw	6		3 4	0		5
S 2 0 (FAA31051-S20)		Screw	1		8	0		5
S 2 3 (FAA31051-528)		Screw	1		6	0	RP-9616	5
S 2 5 (FA431051-S25)	S	Screw	4		3	0		5
							(パー) センカー M	

部品番号 1	補助番号	名 称	1台分 個 数 Q'ty Per	部組品番号	参照 図番 Fig.	販売区分 Class.of Salabil-	備考	要求単位 Order Unit
Part No.	Ckt No	Name	Ünit	Assembly	No.	ity	Remarks	Q' ty
S 2 9		Screw	1		8	0		5
(FAA31051-S29)		3CI CW	•					
S 3 0		Screw	4		2	0		5
(FAA31051-S30)		SCI CH	-		_			
S 3 1		Screw	1		6	0		5
(FAA31051-S31)		OCI CW						
S 3 2		Screw	3		3 7	0		5
(FAA31051-S32)		OCI CW						
S 3 3		Screw	5		6 7	0		5
(FAA31051-S33)		Jei en						
S 3 4		Screw	2		3	0		5
(FAA31051-S34)		OCT CW						
S 3 5		Screw	3		3	0		5
(FAA31051-S35)		oci cii						
S 3 6		Screw	6		2 5	0		5
(FAA31051-S36)		UCI ON	·					
S 3 7		Screw	1		6	0		5
(FAA31051-S37)		oci en						
S 3 8		Screw	1		1	0		5
(FAA31051-S38)		OCI CH	-					
S 3 9		Screw	2		4	0		5
(FAA31051-S39)		JCI CH						
S 4 0		Screw	2		3 7	0		5
(FAA31051-S40)		SCIEN						
S 4 1		Screw	2		7	0		5
(FAA31051-S41)		SCIEW				-		
S 4 2		Screw	2		6			5
(FAA31051-S42)		OCTON						

部組番号	補助番号	名 称	1台分 個 数	大部組品番号	参照図番	備考	要求単位
Part No.	Ckt No.	Name	Pcs. Per Unit	Main assembly NO.	Fig. No.	Remarks	Q'ty per order
A 1 4		上カバー組					,
(FAA31051-A14)		Top cover unit	1		1		1
A 2 7		巻戻しノブ組			,		,
(FAA31051-A27)		Rewind knob unit	1		1		1
A 3 6		裏蓋組	,		2		1
(FAA31051-A36)		Back door unit	1		2		1
A 4 0		電池キャップ組			2		1
(FAA31051-A40)		Battery cap unit	1				1
A 4 1		前カバー組	,		2		1
(FAA31051-A41)		Front cover unit	1		2		1
A 6 1		メインFPC	1		3		1
(FAA31051-A61)		Main FPC unit	1		J		1
A 8 0		接眼枠組	1		3		1
(FAA31051-A80)		Eye piece frame unit			J		1
A 8 8		シャッター組	1		4		1
(FAA31051-A88)		Sutter unit	1		4		1
A 9 0		枚数計組	1		5		1
(FAA31051-A90)		Film counter unit	1		,		1
A117		チャージ補助板組	1		6		1
(FAA31051-A117)		Charge plate base unit	1		0		
A 1 2 8		電池ケース組	1		6		1
(FAA31051-A128)		Battery case unit	1		ľ		
A 1 3 2		巻上軸	1		7		1
(FAA31051-A132)		Advance shaft unit	1		'		1
A 1 3 4		卷上地板	1		7		1
(FAA31051-A134)		Winding gear base unit			'		1
A 1 4 5		スプールギア組	1		7		1
(FAA31051-A145)		Spool gear unit	1		,		1
A 1 7 4		作動基板組	1		8		1
(FAA31051-A174)		Mirror operating base unit	1		°		

部組番号	補助番号	名称	1 台分 個数	大部組品番号	参照	備考	要求単位
Part No.	Ckt No.	Name	Pcs. Per Unit	Main assembly NO.	Fig. No.	Remarks	Q' ty per order
A 1 7 5		遮光板組					
(FAA31051-A175)		Light baffle plate unit	1		8		1
A 1 7 9		ロックピン組					
(FAA31051-A179)		Lock pin unit			8		1
A 1 8 4		測光スイッチ			1		
(FAA31051-A184)	·	Metering sw unit	1 1		8	į.	1
A 1 8 5		ミラーボックス組			1		
(FAA31051-A185)		Mirror box unit	1		8		1
A 1 8 8		ミラー調整板		-			
(FAA31051-A188)		Mirror angle adjust unit	1 1		8		1
A 1 8 9		SL地板組					
(FAA31051-A189)		SL base unit	1 1		8		1
A 2 0 0		圧板組					
(FAA31051-A200)		Pressure plate unit	1 1	A 3 6	9	,	1
A 3 0 1		表示LED組					
(FAA31051-A301)		LED unit	1		3		1
A 3 0 2		管制部組					
FAA31051-A302)		Shutter speed base unit	1	j	3		1
A 3 0 3		チャージレバー組					
FAA31051-A303)		Charge lever unit	1		6		1
A 3 0 4		巻上軸受下組					
FAA31051-A304)		Advance shaft base unit	1		6		1
A 3 0 5		ミラーホルダー組	 				
FAA31051-A305)	,	Mirror holder unit	1		8		1
P-1	i	ストラップ	1			RP-9624	1
PAA31051-P-1)		Strap					
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作成承認印

配布許可印





FAA 31051

REPAIR MANUAL



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SPECIFICATIONS

Type of camera 35mm single-lens reflex(SLR) focal plane shutter

Picture format ----- 24mm × 36mm

Usable film Any cartridge-type 35mm film

Standard lens 35-70/ F3.5 \sim 4.8 as standard

Lens mount Nikon F mount

Shutter $^{--}$ Vertically traveling metal M 1/2000 \sim 1S $^{-}$ B

Diopte -1 ± 0.4 dtp

Magnification $0.84 \times (50 \text{mm}.\infty)$

Viewfinder display Three LEDs lights up for exposur metering.

Reflex mirror Automatic instant-return type

Exposure metering TTL Center-weighted full aperture Exposure metering

Metering range \sim EV2 \sim 19 (ISO 100.F2 \sim IS \sim F/16 \sim 1/2000)

Film speed setting \sim ISO 25 \sim 3200

Exposure meter switch Pr-release turns on or Exposure meter switch on

Flash sync 1/125 or lower

Multiple exposur Via lever

Power source Silver-oxide battery (SR-44 imes 2)

Alkaline-manganese battery (LR-44 $\times 2$)

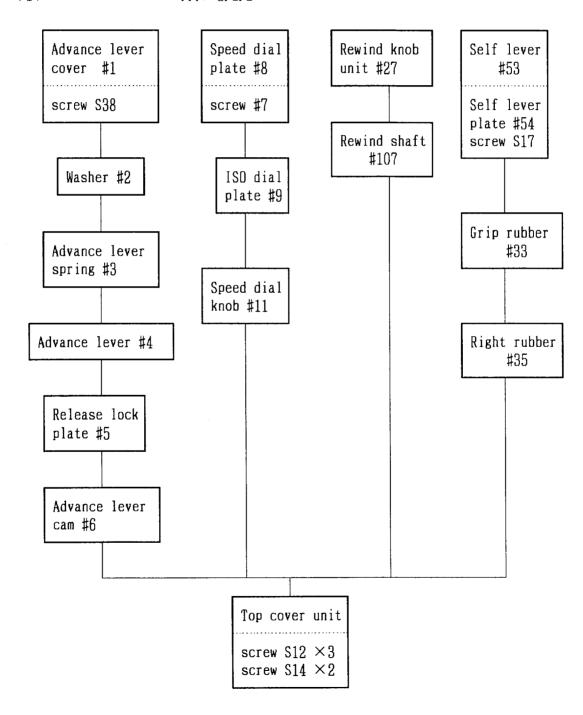
Dimensions Approx 13.9mm (W) \times 86mm (H) \times 53.0mm (D)

Weight Approx 420g (body only)

DISASSEMBLING PROCEDURE CHART

- Note ①. Disassembling should be started after batteries are removed.
 - ②. Refer to "Exploded drawing" details on disassembling.
 - 3. Be sure to learn how the lead wires are arranged.

(1) TOP COVER...Fig. 1.2



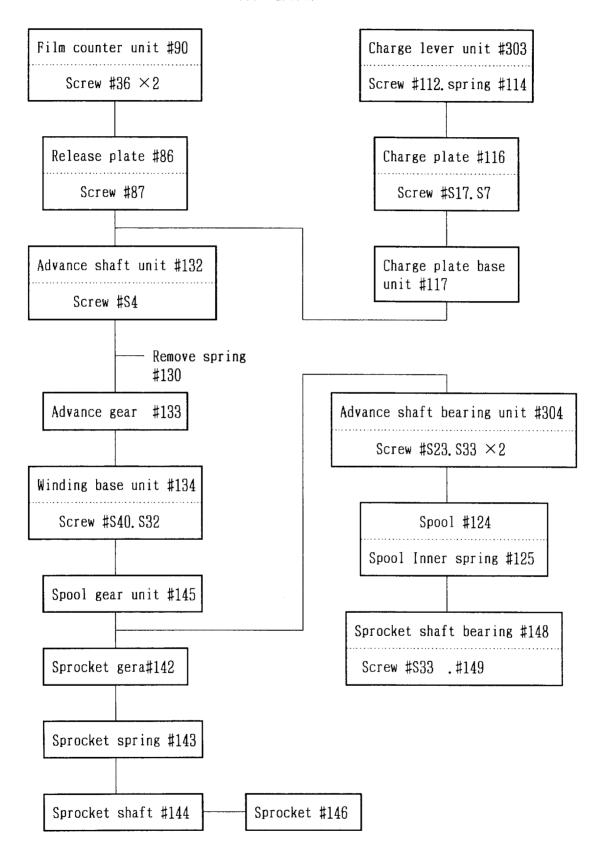
(3) BAYONET...Fig. 2 (2) BOTTOM COVER...Fig. 2 Battery chamber #40 Bayonet mount #60 Screw S18 ×5 Bottom cover #36 Mount spring #59 Screw $$32 \times 4$ Mount ring #58 Back door #36 Back door shft #38 Aperture cupling ring #56 - Spring #57 (4) FRONT PLATE...Fig. 3.4 Mount cover unit #41 Scerw S36 $\times 4$ Unsolder lead wires * Wiring diagram Battery contact lead wire. (Red) - Sync lead wire. (Blue) - Solder brige from the SDB flexible circuit. ($\times 5$) (5) SHUTTER...Fig. 4 Shutter speed base unit Shutter unit #88 Screw S40 .S35 \times 2 Screw 89×2.S15 Front plate assembly

Screw S39 \times 2. S19 \times 2

(6) PRISM BOX...Fig. 3 (7) MIRROR HOLDER...Fig. 8 Main FPC #61 Light baffle plate #176 * Wiring diagram Unsolder lead wires Screw #S6 - F-fo PCB lead wires (Gray, Yellow, White) Mirror holder shaft #151 Metering sw lead wires (Pink, Purple) - Remove Mirror - SPD PCB lead wires spring #157 (Green, orange) - Solder brige from the Mirror holder LED plate unit($\times 4$) unit #305 Finder unit #80 Light baffle plate #175 Screw #S34×2 Prism holder #63×2 (8) MIRROR ACTUATING UNIT...Fig. 8 Screw #S32×2 SL plate unit #189 Penta prism #64 Screw \sharp S8 \times 3 Penta prism - Remove spring Finder mask #69 #194. #191 Mirror actuating unit #174 Prism base unit Screw \sharp S6 \times 2. S20 Screw #S19×4 * LED plate and finder-screen

is also disassembled.

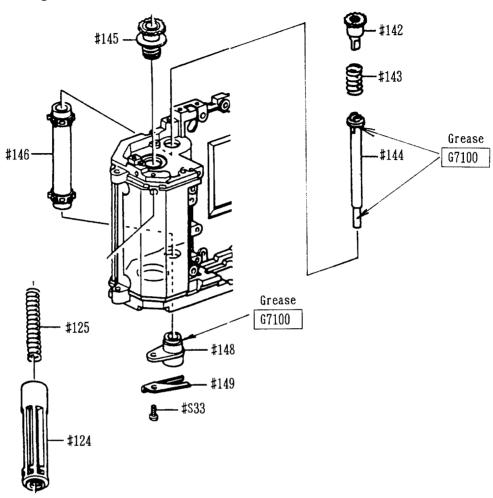
(9) SPOOL. SPROKET...Fig. 5.6.7



ASSEMBLING

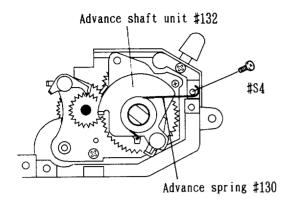
Note; Refer to "Exploded drawing" details on assembling.

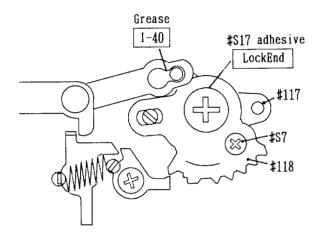
Main body

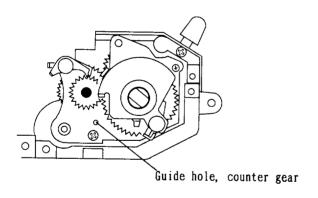


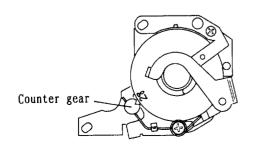
1. Film take-up spool and sprocket

- (1) Attach sprocket #146 on the body and secure it with sprocket shaft bearing #148, spring #149 and screw #S33.
- (2) Attach film take-up spool #124 and spool internal spring #125 to the body. While securing them with film advance shaft bearing #304. (Screw #33x2 and #S23).
- (3) Attach film take-up spool gear #145 into the spool hole together.
- (4) After attaching film take-up spool shaft #144, sprocket spring #143 and sprocket gear #142, mount film advance upper base plate #134 and secure it. (Screw #S40) and #S32).
- (5) Apply oil I-40 on both sides of film advance gear #133.







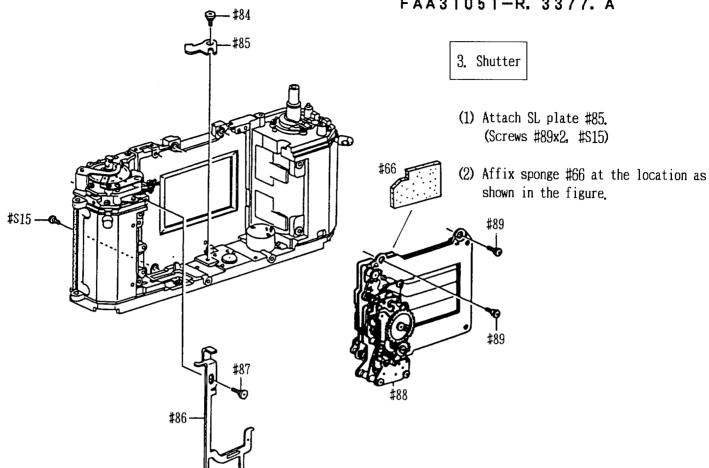


- (6) Apply oil G7100 to film advance shaft unit #132.
- (7) Attach film advance lever returning spring #130 as shown in the figure. (Screw S4)
- (8) Attach charging collar #118, charging auxiliary plate #117 and charging plate #116. (Screws S17, S7)
- (9) Apply oil I-40 to charging lever #307 and the sliding surface. (Screw #112, spring #114)

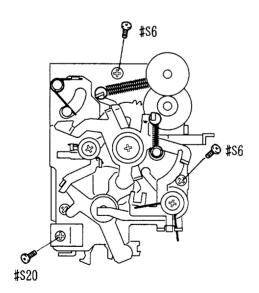
2. Frame counter

Mounting procedures

- (1) Set the film advance lever tentatively.
- (2) Wind the film advance lever fully.
- (3) Set film advance shaft unit #132 to the position shown in the figure.
- (4) Align frame counter unit #90 and frame counter scale "28" with the notch of the gear.
- (5) At this stage, attach the frame counter while aligning it with the hole of the film advance gear guide.
 (Screws S36x2)
- (6) Check to confirm if the frame counter works properly by winding the film advance lever several times.



Front plate

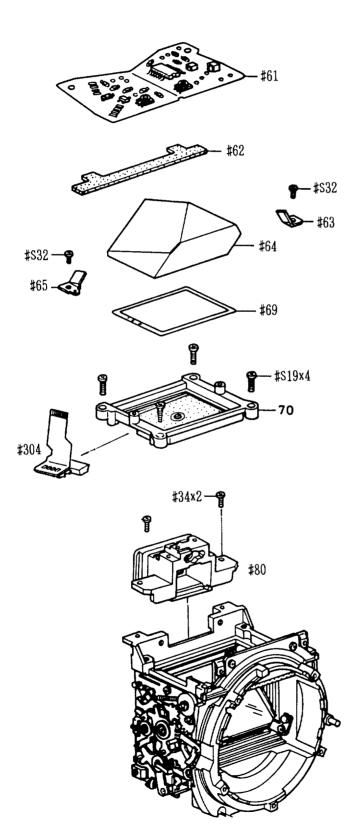


4. Mirror unit

- (1) Mount mirror holder #305 and light buffle plate, and secure them with mirror fixing shaft #151.
- (2) Light baffle plate #176, screw #S6

5. Mirror driving unit

- (1) Operating base plate #174. Hook a spring at the location shown in the figure. (Screw #S6x2, #S20)
- (2) SL plate #189. (Screws #S8x3)



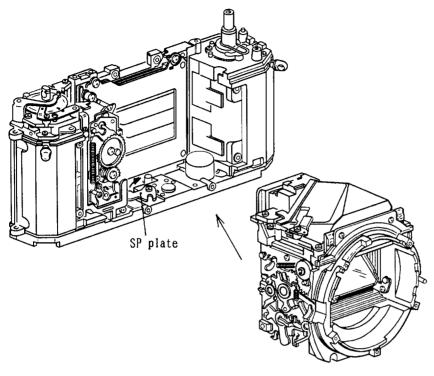
6. Prism unit

- (1) Prism stand unit (Screws #S19x4)
- (2) Prism frame #69
- (3) Prism #64
- (4) Prism securing plates #63x2 (Screws #S32x2)
- (5) Eyepiece frame unit #80 (Screws #S34x2)
- (6) When attaching LED base plate #304, push it as far as it will go and secure it using adhesive 551A.
- (7) Secure main FPC #61 with double coated adhesive tape.

Attaching wires

- · f-fo PCB (Gray, Yellow, White)
- · Meter SW) (Pink, Purple)
- · SPD PCB (Green, POrange)
- Soldering bridge
 (LED base plates x4)

Mounting the front plate and the main body

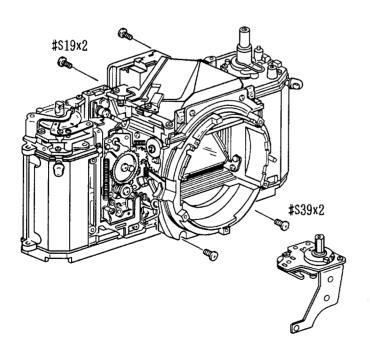


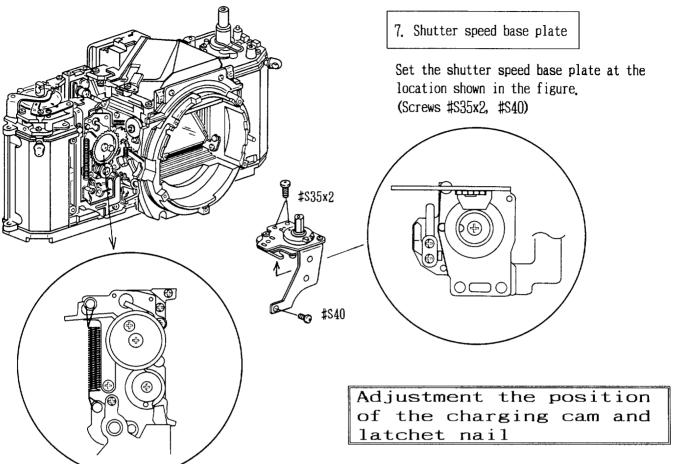
Procedures

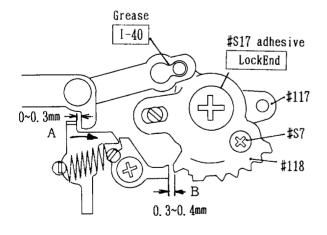
- (1) Set the shutter on the main body side.(Shutter setting)
- (2) Set the SL plate at the location shown in the figure.
- (3) Align the SL plate and notch with the setting lever on the front plate and mount.

Note; Do not set the shutter on the front plate side.

- (4) Screws #\$19x2, #\$39x2
- (5) Set the shutter again.
- (6) When shutter can be released, the mounting has been completed.
- (7) If not, repeat the same procedures once again.







Procedures

- (1) Set the camera in the film advance completion state.
- (2) Check to see if gap A between the charging lever and the latchet nail releaseing lever is within a range of 0 to 0.3mm.

Adjustment

Bend the latchet nail releasing lver in the direction of the arrow.

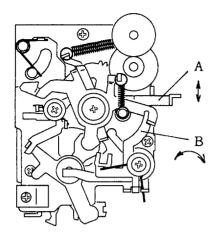
(3) At this stage, check to see if gap B between the latchet nail and charging cam is within a range of 0.3 to 0.4mm.

Adjustment

Unfasten screws #S17 and #S7, and rotate the eccentric screw.

• After adjustment, secure them with LockEnd B.

Adjustment height of aperture lever

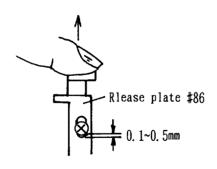


Standard value 3.1-0.1
Balance between befor/after charge after 0.15 to 0.3mm

Adjustment procedures

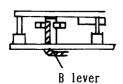
- (1) Bayonet spring #59, bayonet
- (2) Measure the height of the aperture lever near the center of the camera using tool (J18004).
- (3) If the standard value cannot be obtained, bend the mechanical latch plate B to adjust.
- (4) If there is still no difference in the height before and after the advancement of film, bend the aperture lever stopper A to adjust.

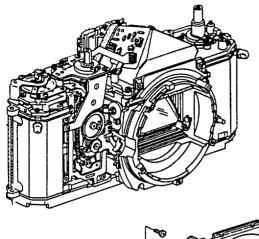
Adjusting mirror moving up position

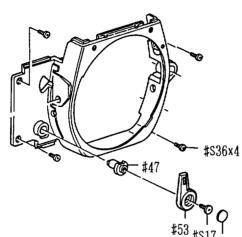


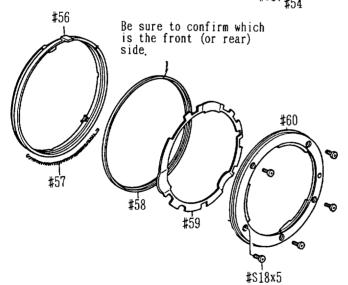
- (1) Set the shutter speed dial to B (bulb), and hold shutter release plate #86.
- (2) Make sure that the mirror returns at the location as shown in the figure when releasing the hold slowly.
- (3) If the adjusted position is still out of the standard value, bend the lever B inside shutter unit.

Upper shutter unit





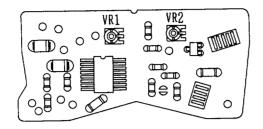




8. Bayonet

- (1) Mount MT cover unit #41 and aperture coupling ring #56 together.
- (2) Attach spring #57 into the hole on the aperture coupling ring. (Screws #S36x4)
- (3) Attach a mount spring and a mount. (Screws \$518x5)
- (4) Self-timer lever #53. (Screws #S17)
- (5) Attaching cords
 - · Battery contact cord (Red)
 - · Sync cord (Blue)
 - · Solding bridges x5

Adjusting meter accuracy



r adjustment (EV15)

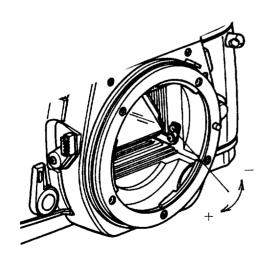
(1) Using a 50mm f/1.4 lens with film speed set at ISO 100, set the shutter speed to 1/500 sec. and aperture to f/8, then adjust the VR1 so that the green LED comes on.

Shift adjustment (EV6)

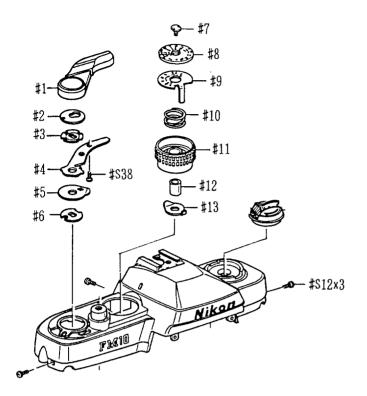
- (2) Likewise, set the shutter speed to 1/2 sec, aperture to f/5.6, then adjust the VR2 so that the green LED comes on.
- (3) Repeat the procedures (1) and (2) above.
- (4) Make an accuracy inspection on each light level.
 - Refer to the standard value for inspection.

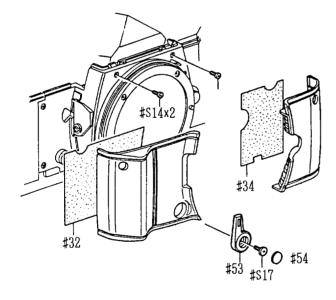
Adimeterat	Anomtura	Shutter	Semi-fixed
Adjustment	Aperture	speed	resistor
Gamma	f/8	1/500 sec.	VR1
Shift	f/5.6	1/2 sec.	VR2

Adjustment at infinity setting



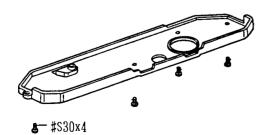
- (1) Mount a 50mm f/1.4 standard lens on the camera and align the camera with collimator (J19001).
- (2) Look into the camera's viewfinder and check if the splits are correctly fit.
- (3) If not fit, rotate the hexagon nut to adjust as shown in the figure,
- (4) After adjustment, aaply black paint on the hexagon nut.

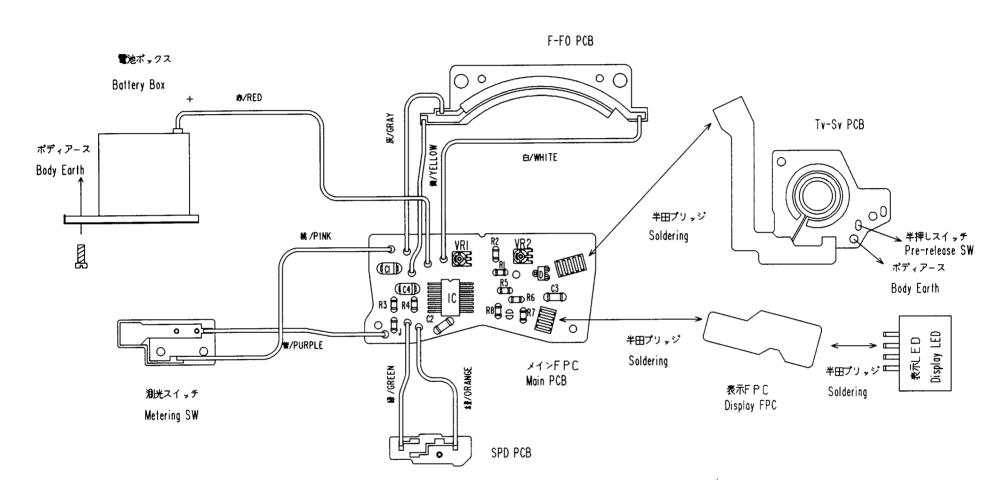




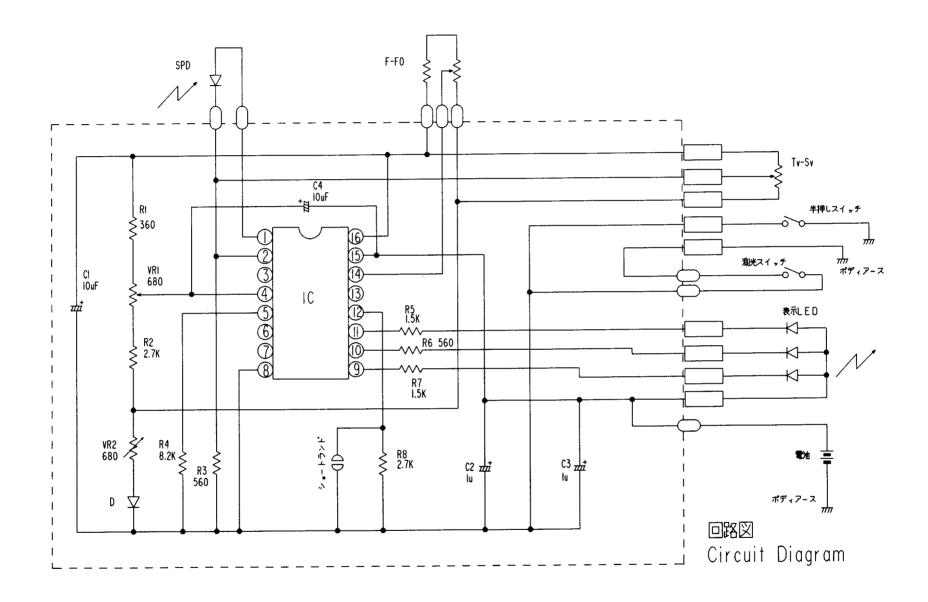
- 9. Top cover
- (1) Top cover unit #14

 Screws #S14x2, #S12x3
- (2) Shutter dial unit (Screw #7)
- (3) Film advance lever unit
- (4) Film rewind knob unit #27
- (5) Hand grip rubber #33, right rubber #35
- (6) Self-timer lever #53
 Screw #S17, seal #54
- (7) Camera back unit #A36
- (8) Bottom cover #39 (Screws #S30x4)





実体配線図 Wiring Diagram



	Item		Remarks				
WINDING REWIND/RELEASE	Film advance	Film loaded torque : 4.5Kg-cm or less					Bar-type — pressure gauge — slide calipers
	spool	Slipping torque : 180 ~ 450g					
	Rewind knob	Rewind torque : 1.5Kg-cm or less					
	Shutter button	Release p					
		Switch ON					
	Exposure time	(ms)					Shutter tester
		Shutter speed	Upper limit	Standard	Lower limit	Exposure variation	
		1	1366	1000	732	± 0. 45EV	
		1/2	683	500	366		
		1/4	342	250	183		
		1/8	171	125	91.5		
		1/15	85. 4	62. 5	45. 8		
		1/30	42.7	31. 25	22. 9		
DELIVERY		1/60	21. 4	15, 63	11. 4		
1		1/125	11.0	7. 81	7.81	0 ~+0.5EV	
SPEEDS		1/250	5. 92	3, 91	2. 58	± 0.6EV	
SHUTTER		1/500	2. 96	1.95	1. 29		
- SH		1/1000	1.64	0.98	0. 58	± 0. 75EV	
		1/2000	0.82	0. 49	0. 29		
	X contact	Timelag 0∼ 1.0 ms					Flash synch tester
	contact rate	50% or mo	100001				
	Self-timer	Delayed a	Stop watch				

	Item	Condition / Standard	Remarks
NDER	Infinity focus	±20 " (Not to be varied after/before winding)	
VIEWFINDER	Viewfinder coverage	93 % or more	
	Accuracy	ISO 100 K = 1.16 50mm / F1.4	Shutter tester
EXPOSURE METER ACCURACY	allowance	L V 6 9 12 15	Tool lens (50/1.4)
		F 2.8 4 5.6 8	
		Shutter speed 1/8 1/30 1/125 1/500	
		+ • • O O O Turns OFF	
SURE		○	
EXPO		_ O O O ● ● ② 0.3~1.4 EV	
		↑ ↑ ↑ ③-0.3 ~1.7 EV ② ① ③	
MOUNT	Aperture lever height	After mirror charge : 3.1 $+0.1 \sim -0$ Balance between befor/after charge : 0.15 \sim 0.3m	Aperture lever positioning mm gauge
		Torgue: 95 g or more	Bar-type
	Aperture coupling ring	Torgue forward 650 g reversed 300 g	Dial gauge
LENS N	Metal back focus	46.67 \pm 0.02 mm	
		Parllelness : 0.04 mm or less	
		Balance of height between internal and external film rails : 0.23 ±0.03	
ERS	Pressure plate	Leveling : 0.05 mm or less	
	Battery checker	LED turns on at 2.6V and off at 2.2V	Power supply
OTHERS	Current consumption	5 mA (max) When one LED Turns ON 10mA (max) When both LED Turns ON	Digital malti-meter