

# Canon

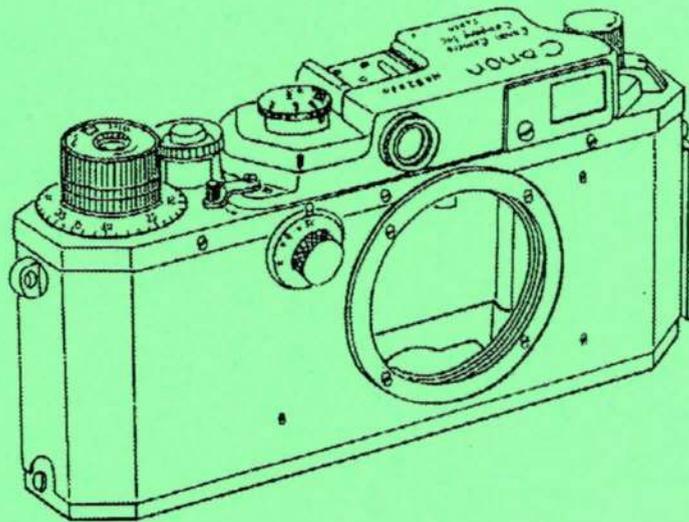
## RANGEFINDER CAMERA

**Service Manual and Parts List**

### MODEL IV-S2

**And Previous Models**

**II-A, II-B, II-D, II-F, II-S, III, III-A, IV, IV-S**



Section I  
TROUBLE AND REMEDY

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I. FILM WINDING AND REWINDING

TROUBLE	PROBABLE CAUSE	REMEDY	SEE PAR. & PAGE	SEE SHT NO.
1. Winding Knob inoperable	a. 3413 and or 3416 missing or broken b. 3212 and 3313 positioned incorrectly.	a. Replace b. Adjust	1a, II-1 1a, II-1	16 14, 16
2. Winding Knob too heavy	a. Bearings dirty, rusted or out of lubricant b. 3041, 3064 dirty or out of lubricant c. Film chip stuck in.	a. Clean and lubricate b. Clean and lubricate c. Remove film chip	1b, II-1 1b, II-1	14
3. Winding Shaft backlash	a. Spring 3064 loose	a. Adjust or replace 3064	1o, II-1	14
4. Winding Shaft turns reverse	a. Spring 3064 broken	a. Replace 3064	1od, II-1	
5. Loose Exposure Counting Dial	a. Spring 3063 weak	a. Adjust 3063	1o, II-1	14
6. Shutter cocks but film does not advance, or film perforations tear	a. Spring of spool holder 3042 weak b. Spring 3043 weak	a. Adjust 3042 b. Adjust 3043	1f, II-1 1f, II-1	14 14
7. Picture frames overlap film perforations	a. 3416, 4210 gearing out of alignment	a. Align 3416, 4210	1g, II-2	16, 18
8. Rewinding Knob inoperable	a. 3212 and 3313 positioned incorrectly	a. Adjust 3212, 3313	1a, II-1	14, 16

II. SHUTTER MECHANISM (I)

TROUBLE	PROBABLE CAUSE	REMEDY	SEE PAR. & PAGE	SEE SHT No.
1. High Speed Dial out of position or loose	a. Set screw 4061 for 4030 loose b. Screw 4036 loose	a. Tighten 3 Set Screws 4061 b. Tighten 4036 by removing 4030	2a, II-2 2a, II-2	12 12
2. Shutter Curtain inoperable	a. Shutter Curtain b. Film chip c. Dirty or rusted Shutter Clamp Device	a. Replace Shutter Curtain b. Remove film chip c. Clean and lubricate	2f, II-3 2b, II-2	13 18
3. Shutter Curtain transports but does not open	a. 4310 and 4311 slipped off b. Shape of Spring 4311 incorrect c. Screw 4341 for 4313 loose	a. Return to their positions b. Adjust shape of 4311 c. Tight two 4341 Screws	2o, II-2 2o, II-2 2o, II-2	12 12 13
4. Shutter operation slow or noisy	a. Relative bearing dirty and/or rusted	a. Lubricate after overhaul	2d, II-2	12,13,1 18,19
5. Shutter speed incorrect or not uniform	a. Improper shutter spring tension b. Improper tension of 4311 c. Improper slit of Shutter Curtains d. Relative position of 4011 and 4013 incorrect	a. Adjust tension b. Adjust shape of 4311 c. Re-cement Shutter Curtains d. Adjust position	5a, II-6 2o, II-2 5a, II-6	13 12 13 17
6. Shutter Curtain trouble	a. Curtain worn, oiled or sunburned hole.	a. Replace	2f, II-3	13
7. Shutter Curtain bounce	a. 4040 and 4467 out of alignment b. Starting point of Shutter Curtain incorrect c. 4240 out of shape	a. Check and adjust 4040, 4467 b. Re-cement the Curtains c. Check shape of 4240	2g, II-3 2g, II-3	12,13 18
8. Shutter set at "B" slips into 1/25 sec.	a. 4311 out of shape, improper tension	a. Adjust 4311 (2-h, o)	2oh, II-2,3	12
9. 2nd Shutter Curtain does not close when set at "B"	a. 4313 improper spring tension b. 4310 improper height	a. Check shape of 4313, screw in 4341 accurately b. Check 4310 height		13 12
10. Slow shutter speed out of order	a. Slow Timer out of order, dirty or rusted	a. Clean Slow Timer 4400 or replace	2i, II-3	12

II. SHUTTER SPEED MECHANISM (II)—CONT.

TROUBLE	PROBABLE CAUSE	REMEDY	SEE PAR. & PAGE	SEE SHT No.
11. "1/8" slips into 1/25 sec. or, "1/25" or "x" slips into 1/8 sec.	a. 4432 out of alignment	a. Align 4432	21, II-3	4
12. "1" slips into "T" or "T" into "1"	a. 4320 out of shape	a. Adjust shape and dimension of 4320	21, II-3	12
13. "1/8" unstable	a. Dirty or rusted Slow Timer b. 4463, 4465 out of shape	a. Clean Slow Timer 4400. b. Adjust shape of 4463, 4465	21, II-3 21, II-3	12 12
14. All slow shutter speeds slip into 1/25 sec.	a. Slow Timer Mechanism does not return b. 4040, 4064 loose c. 4467 out of shape, 4481, 4482 loose	a. Clean Slow Timer 4400 and check internal spring b. Tighten 4064 and laouger c. Check shape and tighten 4481 and 4482	21, II-3 21, II-3 21, II-3	12 13 12
15. Slow Speed Dial stiff or loose	a. Tightening position of 4428 incorrect	a. Adjust 4428 and cement	21, II-3	4
16. Slow Speed Dial stiff partially	a. 4424, 4426 out of plane	a. Correct the plane of 4424, 4426		4
17. Slow Speed Dial Click Stop out of order	a. Pin on 4422 out of shape	a. Check pin of 4422 and correct the shape		4
18. Shutter Release Button stiff	a. Screws 3413, 3416 dirty or rusted (II-A, II-D) b. Shaft 4230 dirty or rusted (III, IV-S2) c. Insufficient backlash of Takeup Shaft	a. Clean or replace b. Clean 4230 c. Check 3064 and give sufficient backlash		16 18 14

III. RANGE-VIEWFINDER SYSTEM

TROUBLE	PROBABLE CAUSE	REMEDY	SEE PAR. & PAGE	SEE SHT No.
1. Images do not coincide (vertically)	a. 2170 out of alignment	a. Adjust by turning 2170	3a, II-4	7
	b. Prism 2154 out of position (due to shock)	b. Adjust Prism 2154	3f, II-5	10,11
2. Images do not coincide (horizontally at Infinity)	a. Relative position of 2150 out of order	a. Turn and adjust 2156	3b, II-4	10,11
	b. Prism 2154 out of position (due to shock)	b. Adjust Prism 2154	3f, II-5	10,11
3. Reflected image does not move	a. Roller 2200 out of position (too high)	a. Check and adjust roller 2200	3o, II-5	9
	b. Lever 2210 stiff	b. Clean and lubricate 2210	3o, II-5	11
4. Optical system contaminated by foreign matter		a. Clean	3d, II-5	7,10,11
		a. Adjust		11
6. Half Mirror Prism coating inferior		a. Replace Prism 2120	3e, II-5	10
		a. Replace	3ef, II-5	10,11
8. Optical Axis of finder out of alignment		a. Check and adjust	3g, II-5	10
		a. Clean and lubricate properly	3h, II-5	9
9. Magnifying lever out of order		b. Check and adjust	3h, II-5	9
		b. Gearing out of alignment		

IV. FLASH SYNCHRONIZER

TROUBLE	PROBABLE CAUSE	REMEDY	SEE PAR. & PAGE	SEE SHT No.
1. Flash bulbs do not fire	a. Connections	a. Check all connections and repair	5b, II-7	5,6,7
	b. Contact resistance high	b. Check all contact resistances and repair	5b, II-7	5,6,7
	c. Insulation inferior	c. Check all insulation and repair	5b, II-7	5,6,7
2. Off synchronization	a. Synchronizer adjustment out of order	a. Check and adjust Synohronizer	5b, II-7	6
3. Flash Unit does not mount	a. 1010 inferior	a. Replace 1010	5b, II-7	5

V. MISCELLANEOUS TROUBLE

TROUBLE	PROBABLE CAUSE	REMEDY	SEE PAR. & PAGE	SEE SHT No.
1. Out of focus	a. Rangefinder out of alignment	a. Check Rangefinder	3-ab,	7,10,11
	b. Flange Focus out of distance	b. Check and adjust to 28.80mm	4b, II-6	4
	c. Loose Lens Barrel	c. Check and adjust L0004-Lens #1		
	d. L0003 wrong dimension	d. Check and replace L0003-Lens #1		

Section II  
SERVICE PROCEDURE

CONTENTS

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b. Synchronizer Test .....	II-7
c. Range-Viewfinder Test .....	II-8

## 1. FILM WINDING and REWINDING

- a. Check the small pins on (3413) and (3416) when Shutter does not cock or film advance, even though the Winding Knob can be turned in the correct direction. When these pins are broken or lost, replace with new ones. Check the contact relation of Flange (3212) and Cam (3313). Adjust Washer (3221) so that the Flange and the Cam begin to contact each other when the Reversing Lever (3311) is turned 15° to 20°, and the Sprocket (3413) and Shutter Gear (3416), the Idler Gear (3110) and Sprocket Gear (3411) completely disengage themselves when the Reversing Lever (3311) is turned to its designated position. (Sheet No. 14 and 16)
- b. Check following points when Film Winding Knob is abnormally heavy to turn: (Sheet No. 14 and 16)
  - (1) See whether or not there is a film chip.
  - (2) Clean and lubricate with silicon grease Clutch Spring (3064) and Take-up Shaft (3041).
  - (3) When relative bearings are dirty, clean and lubricate them with a little oil of the proper quality.
- c. Standard amount of backlash for Take-up Spindle is 1/2 calibration of Film Exposure Dial for those models (IV, IV-S2, III and III-A) having Shutter Clamp Device, and 1/3 calibration for other models (II-S, II-A, II-D, II-B and S-II). When the amount of backlash is very little as compared with the standard amount, replace Clutch Spring (3064), and when the backlash is more than the standard amount, adjust the Coil by expanding the diameter by using specially made tapered tool. (Sheet No. 14)
- d. If the Film Winding Knob is turned forcibly in a reverse direction, Clutch Spring (3064) will lose its function and the Knob will turn in a reverse direction. In this case, replace Spring (3064) and adjust in the manner described in paragraph 1c. (Sheet No. 14)
- e. When the Film Exposure Counting Dial which sits under the Film Winding Knob becomes excessively loose and easily turnable, remove the Knob and tighten Spring (3063). (Sheet No. 14)
- f. There will be an effect on the Film Winding Knob when the Take-up Spool is too easily drawn in or out, or when it is too hard. In such cases adjust the three springs on Spool Holder (3042). To obtain proper friction for Spool Holder (3042) adjust Spring (3043). When film perforations tear it is caused by insufficient winding of Take-up Spool as the three springs of the Spool Holder (3042) and or Spring (3043) are weak. Adjust one of the two or both springs.

Note: Nut (3044) is threaded reverse.

DESCRIPTION

NOMENCLATURE

II-S

II-F

II-D

IV-S2

Contact 6  
Terminal 6  
Screw 1312, 1313, 1314/1310 x 3 6  
Screw 1310/0632 x 2 6

Circuit Selector

Assembly  
Assembly

Insulator Base 7  
Bracket 7  
Contact 7  
Screw 1411/1410 x 2 7  
Screw 1410, 1412/0612 x 2 7

Lead Wire

Lead Wire

Range-View Finder

Range View Finder (Assembly)  
Range View Finder (Improvement of 2000A)

II-S	II-F	II-D	IV-S2	DIAGRAM SHEET No.
1400	-	-	1400	
-	1401	1401	-	
1410	-	-	1410	7
-	1412	1412	-	
1411	-	-	1411	7
1420	-	-	1420	7
1421	1421	1421	1421	7
1500	1500	-	1500	
2000A	2000A	2000A	2000A	
2000B	2000B	2000B	2000B *	
2100A	2100A	2100A	2100A	
2100B	2100B	2100B	2100B *	
2200A	2200A	2200A	2200A	
2200B	2200B	2200B	2200B *	
2310	2310	2310	2310	
2311	2311	2311	2311	
2320	2320	2320	2320	
2321	2321	2321	2321	
2322	2322	2322	2322	
				9,10
				9A,10A
				9,11
				9A,11A
				9, 9A

NOMENCLATURE	II-S	II-F	II-D	IV-S2	DESCRIPTION	DIAGRAM SHEET No.
Range View Finder Optical System	2100A	2100A	2100A	2100A	Range View Finder Optical System (Assembly)	9, 10
Optical System	2100B	2100B	2100B	2100B	Range View Finder Optical System (Assembly) (Improvement of 2100A)	9A, 10A
2110A	2110A	2110A	2110A	2110A	Base Plate	10
2110B	2110B	2110B	2110B	2110B	Base Plate (Improvement of 2110A)	10A
2111	2111	2111	2111	2111	Bracket	10
2112A	2112A	2112A	2112A	2112A	Prism Shaft	10A
2112B	2112B	2112B	2112B	2112B	Prism Shaft (Improvement of 2112A)	10A
2113	2113	2113	2113	2113	Guide Screw	10
2113B	2113B	2113B	2113B	2113B	Guide Screw (Improvement of 2113)	10A
2114	2114	2114	2114	2114	Click Stop Spring	10, 10A
2115	2115	2115	2115	2115	Spring for Prism	10
2116	2116	2116	2116	2116	Spring	10
2116B	2116B	2116B	2116B	2116B	Spring (Improvement of 2116)	10A
2117	2117	2117	2117	2117	Prism Lookplate Rod (Additional)	10A
2118	2118	2118	2118	2118	Prism Wall Board (Additional)	10A
2120	2120	2120	2120	2120	Half Mirror Prism	10, 10A
2121	2121	2121	2121	2121	Plism Cover	10
2122	2122	2122	2122	2122	Mask (Additional)	10A
2123	2123	2123	2123	2123	Prism Lookplate (Additional)	10A
2124	2124	2124	2124	2124	Spring (Additional)	10A
2125	2125	2125	2125	2125	Screw, Idle (Additional)	10A
*2130	2130	2130	2130	2130	Magnifying Lens Box (Assembly)	10, 10A, 11, 11A
2150A	2150A	2150A	2150A	2150A	Moving Prism Arm (Assembly)	
2150B	2150B	2150B	2150B	2150B	Moving Prism Arm (Assembly) (Improvement of 2150A)	
2170	2170	2170	2170	2170	Erector Prism	7
2171	2171	2171	2171	2171	Adapter Ring	7
2180	2180	2180	2180	2180	Washer	10, 10A
2181	2181	2181	2181	2181	Washer	10
2182	2182	2182	2182	2182	Washer	10
2182B	2182B	2182B	2182B	2182B	Washer (Improvement of 2182)	10A
2183	2183	2183	2183	2183	Washer	10, 10A
2184	2184	2184	2184	2184	Washer	10
2185	2185	2185	2185	2185	Washer	10
2190	2190	2190	2190	2190	Screw 2111/2110A, 2110B x 2	10, 10A
2191	2191	2191	2191	2191	Screw 2150A/2112A	10
2191B	2191B	2191B	2191B	2191B	Screw 2150B/2112B (Improvement of 2191)	10A
2192	2192	2192	2192	2192	Screw 2114/2110A, 2110B x 4 (x 2)	10, (10A)
2193	2193	2193	2193	2193	Screw 2121/2110A	10
2194	2194	2194	2194	2194	Screw 2123/2117, 2118 x 2 (Additional)	10A
2195	2195	2195	2195	2195	Screw 2122/2118 (Additional)	10A
2196	2196	2196	2196	2196	Screw 2110B/2117, 2118 (Additional)	10A
2197	2197	2197	2197	2197	Screw 2110B/2112B (Additional)	10A

DESCRIPTION

IV-S2

II-D

II-F

II-S

NOMENCLATURE

II-S	II-F	II-D	IV-S2	DESCRIPTION	10,10A,11,11A
*2130	2130	2130	2130	Magnifying Lens Box (Assembly)	11,11A
2131	2131	2131	2131	Lens Box	11,11A
2132	2132	2132	2132	Base Disk	11,11A
2133	2133	2133	2133	Gear	11,11A
2134	2134	2134	2134	Magnifying Lens A	11,11A
2135	2135	2135	2135	Bezel	11,11A
2136	2136	2136	2136	Mask	11,11A
2137	2137	2137	2137	Magnifying Lens B	11,11A
2140	2140	2140	2140	Set Screw 2133/2132	11,11A
2141	2141	2141	2141	Screw 2133/2131 x 2	11,11A
2142	2142	2142	2142	Screw 2133/2132	11,11A

II-S	II-F	II-D	IV-S2	DESCRIPTION	10,11
⊙2150A	2150A	2150A	2150A	Moving Prism Arm (Assembly)	10A,11A
⊙2150B	2150B	2150B	2150B	Moving Prism Arm (Assembly) (Improvement of 2150A)	

II-S	II-F	II-D	IV-S2	DESCRIPTION	11
2151A	2151A	2151A	2151A	Arm (Improvement of 2151A)	11
2151B	2151B	2151B	2151B	Arm (Improvement of 2151A)	11
2154	2154	2154	2154	Moving Prism	11
2154B	2154B	2154B	2154B	Moving Prism (Improvement of 2154)	11
2156	2156	2156	2156	Adjusting Screw	11
2156B	2156B	2156B	2156B	Adjusting Screw (Improvement of 2156)	11
2157	2157	2157	2157	Prism Holder	11
2157B	2157B	2157B	2157B	Prism Holder (Improvement of 2157)	11
2158	2158	2158	2158	Set Screw 2157, 2157B/2160	11,11A
2160A	2160A	2160A	2160A	Washer	11
2160B	2160B	2160B	2160B	Washer	11A
2165	2165	2165	2165	Lock Screw	11,11A
2167	2167	2167	2167	Screw 2151A, 2151B/2157, 2157B	11,11A
2168	2168	2168	2168	Screw 2151A, 2151B/2157, 2157B	11,11A

II-S	II-F	II-D	IV-S2	DESCRIPTION	9,11
2200A	2200A	2200A	2200A	Focusing Roller (Assembly)	9A,11A
2200B	2200B	2200B	2200B	Focusing Roller (Assembly) (Improvement of 2200A)	

II-S	II-F	II-D	IV-S2	DESCRIPTION	11
2210A	2210A	2210A	2210A	Range Finder Cam	11
2210B	2210B	2210B	2210B	Range Finder Cam (Improvement of 2210A)	11A



DESCRIPTION

14  
14  
14  
14  
14

IV-S2

II-D

II-F

II-S

NOMENCLATURE

Take-up Shaft  
Spool Holder  
Spring  
Nut  
Washer

3041  
3042  
3043  
3044  
3050

3041  
3042  
3043  
3044  
3050

3041  
3042  
3043  
3044  
3050

3041  
3042  
3043  
3044  
3050

3041  
3042  
3043  
3044  
3050

Idler Gear 3100 3100 3100 3100 Set

Idler Gear  
Gear Shaft  
Washer

3110  
3111  
3120

3110  
3111  
3120

3110  
3111  
3120

3110  
3111  
3120

3110  
3111  
3120

Set 3200 3200 3200 3200 14

Clutch Gear  
Spring  
Flange  
Coupling Sleeve  
Washer  
Washer  
Screw

3210  
3211  
3212  
3213  
3220  
3221  
3230

3210  
3211  
3212  
3213  
3220  
3221  
3230

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3221  
3230

3210  
3211  
3212  
3213  
3220  
3221  
3230

Reversing Lever 3300 3300 3300 3300 Set

Cam Shaft  
Reversing Lever  
Spring  
Cam  
Washer  
Screw 3311/3310  
Screw 3310, 3313/0310A

3310  
3311  
3312  
3313  
3320  
3330  
3331

3310  
3311  
3312  
3313  
3320  
3330  
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3331

3310  
3311  
3312  
3313  
3320  
3330  
3331

Sprocket Shaft 3400 3400 3400 3400 Set

DIAGRAM  
SHEET NO.

<u>NOMENCLATURE</u>	<u>II-S</u>	<u>II-F</u>	<u>II-D</u>	<u>IV-S2</u>	<u>DESCRIPTION</u>
	3410	3410	3410	3410	Bearing
	3411	3411	3411	3411	Sprocket Gear
	3412	3412	3412	3412	Nut
	3413	3413	3413	3413	Sprocket
	3414	3414	3414	3414	Sprocket Shaft
	3415	3415	3415	3415	Screw Key
	3416	3416	3416	3416	Shutter Gear
	3417	3417	3417	3417	Nut
	3418	3418	3418	3418	Release Knob
	3419	3419	3419	3419	Collar
	3430	3430	3430	3430	Washer
	3431	3431	3431	3431	Washer
	3440	3440	3440	3440	Set Screw 3412/3410
	3441	3441	3441	3441	Set Screw 3417/3414
	3442	3442	3442	3442	Screw 3410/0310A x 3
	3443	3443	3443	3443	Screw 3413/3411

<u>DESCRIPTION</u>	<u>II-S</u>	<u>II-F</u>	<u>II-D</u>	<u>IV-S2</u>	<u>DESCRIPTION</u>
	3500	3500	3500	3500	Set
	3510	3510	3510	3510	Magazine Stopper
	3511	3511	3511	3511	Bearing
	3512	3512	3512	3512	Spring
	3513	3513	3513	3513	Clutch Fork
	3514	3514	3514	3514	Sector
	3515	3515	3515	3515	Magnifying Lever
	3516	3516	3516	3516	Nut
	3517	3517	3517	3517	Shaft Collar
	3518	3518	3518	3518	Screw Key
	3519	3519	3519	3519	Rewinding Shaft
	3520	3520	3520	3520	Rewinding Knob
	3530	3530	3530	3530	Washer
	3531	3531	3531	3531	Washer
	3532	3532	3532	3532	Washer
	3540	3540	3540	3540	Screw 3510, 3511/0310A x 3

<u>DESCRIPTION</u>	<u>II-S</u>	<u>II-F</u>	<u>II-D</u>	<u>IV-S2</u>	<u>DESCRIPTION</u>
	4003	-	-	4002	Set
	-	4004	4004	-	Set
	4010	4010	4010	4010	Bearing
	4011	4011	4011	4011	Sleeve Bearing
	4012	4012	4012	4012	Nut

<u>NOMENCLATURE</u>	<u>II-S</u>	<u>II-F</u>	<u>II-D</u>	<u>IV-S2</u>	<u>DESCRIPTION</u>	
	4013	4013	4013	4013	Eccentric	17
	4021	4021	4021	4021	Shutter Drum	17
	4071	-	-	4070	High Speed Dial	7,12,17
	-	4072	4072	-	High Speed Dial	
	4074	-	-	4073	High Speed Dial	12,17
	-	4075	4075	-	Shutter Speed Change Disk	
	4076	4076	4076	-	Shutter Speed Change Disk	12,17
	4077	4077	4077	4076	Shutter Speed Change Disk	12,17
	4040	4040	4077	4077	2nd Curtain Release Arm	13,17
	-	-	-	4040	Spring	
	4050	4050	4041	-	Turning Disk	
	4051	4051	4050	4050	Turning Disk	17
	4053	4053	4051	4051	Washer	17
	4054	4054	4053	4053	Washer	13,17
	4060	4060	4054	4054	Washer	13,17
	4062	4062	4060	4060	Set Screw 4013/4011	17
	4063	4063	4062	4062	Screw 4010/0310A x 3	17
	4064	4064	4063	4063	Screw 4073/4021	17
	4065	4065	4064	4064	Screw 4040/4021	17
	4078	4078	4065	4065	Screw 4072/4076 x 3	7,12,17
	4079	4079	4078	4078	Set Screw 4070, 4071, 4072/4076 x 3	12,17
	4080	4080	4079	4079	Spring Retainer	7,12,17
	4081	4081	4080	4080	Index Plate	12,17
	-	-	4081	4081	Washer	7,12,17
	-	-	-	-	Washer	7,12,17

<u>Shutter Spring Shaft</u>	4102	4102	4102	4102	Set
※4110	4110	4110	4110	4110	Shutter Spring Shaft of 1st Curtain (Assembly)
⊙4124	4124	4124	4124	4124	Shutter Spring Shaft of 2nd Curtain (Assembly)
4130	4130	4130	4130	4130	Upper Idler Roller
4137	4137	4137	4137	4137	Lower Idler Roller
4132	4132	4132	4132	4132	Spring Tension Adjust Ratchet Nut x 2
4133	4133	4133	4133	4133	Claw
4134	4134	4134	4134	4134	Claw
4135	4135	4135	4135	4135	Claw Shaft
4140	4140	4140	4140	4140	Washer
4150	4150	4150	4150	4150	Gear
4151	4151	4151	4151	4151	Shaft

NOMENCLATURE

DESCRIPTION

IV-S2

II-D

II-F

II-S

<u>II-S</u>	<u>II-F</u>	<u>II-D</u>	<u>IV-S2</u>	<u>DESCRIPTION</u>	
*4110	4110	4110	4110	Shutter Spring Shaft of 1st Curtain (Assembly)	20
4111	4111	4111	4111	Spring Shaft	20
4112	4112	4112	4112	Curtain Roller	20
4113	4113	4113	4113	Assemble Nut	20
⊙4124	4124	4124	4124 *	Shutter Spring Shaft of 2nd Curtain (Assembly)	20
4121	4121	4121	4121	Spring Shaft	20
4125	4125	4125	4125 *	Curtain Roller	20
4123	4123	4123	4123	Assemble Nut	20
<hr/>					
4200	4200	4200	4200	Set	
<hr/>					
4210	4210	4210	4210	Idler Gear	19
4211	4211	4211	4211	Gear Shaft	19
4212	4212	4212	4212	Nut	19
4213	4213	4213	4213	Stopper	19
4220	4220	4220	4220	Shutter Clamp Lever	19
4221	4221	4221	4221	Spring	19
4222	4222	4222	4222	Lever Shaft	19
4230	4230	4230	4230	Shutter Release Shaft	19
4231	4231	4231	4231	Spring	19
4232	4232	4232	4232	Bracket	19
4240	4240	4240	4240	Brake Lever	19
4241	4241	4241	4241	Spring	19
4242	4242	4242	4242	Lever Shaft	19
4250	4250	4250	4250	Washer	19
4251	4251	4251	4251	Washer	19
4260	4260	4260	4260	Screw 4232/0632	19
<hr/>					
4304	-	-	4303 *	Set	
-	4302	-	- *	Set	
-	-	4302	-	Set	

2nd Curtain Clamp  
Lever & Rewinding  
Safety Device



NOMENCLATURE

DESCRIPTION

IV-S2

II-D

II-F

II-S

4  
4

Nut  
Screw

4497	4497	4497	4497	★	Set	
4498	4498	4498	4498	★	Slow Timing Shaft	12
4462	4462	4462	4462		Nut	12
4463	4463	4463	4463		Lever	12
4464	4464	4464	4464		Bearing	12
4465	4465	4465	4465		Spring	12
4466	4466	4466	4466		Nut	12
4467	4467	4467	4467		Plate Spring	12
4468	4468	4468	4468		Stopper	12
4470	4470	4470	4470		Washer x 2	12
4480	4480	4480	4480		Screw 4464/0310A	12
4481	4481	4481	4481		Screw 4467/0632	12
4482	4482	4482	4482		Screw 4401, 4467/0632	12
4483	4483	4483	4483		Screw 4401/0632	12

<u>Shutter Curtain</u>		<u>Shutter Curtain (Set)</u>	
4500	4500	4500	4500
4510	4510	4510	4510
4511	4511	4511	4511
			1st Shutter Curtain
			2nd Shutter Curtain
			20
			20

- g. When the position of the film perforations lie incorrectly in relation to the gap between two film frames, adjust by regearing Shutter Gear (3416) and Idler Gear (4210). This condition should be checked without fail when placing Picture Frame (0610) and (0630) on Top Cover (0310). (Sheet No. 16 and 18).

## 2. SHUTTER MECHANISM

- a. Tighten the three Set Screws (4061) on High Speed Dial (4030) when the Dial (4030) becomes loose or when the speed indicated differs from the actual speed. If this does not correct the trouble remove (4030) and check Screw (4036) (this trouble is very seldom found). (Sheet No. 12)
- b. When shutter does not release on pressing the Shutter Release Button even when the shutter is wound, check the condition of Shutter Curtain for film chips before disassembling any part. If the trouble is still unknown, remove Range-Viewfinder Cover (0400), and if this still does not remedy the trouble, disassemble Body Case (0010). Replace Shutter Curtain when it has deteriorated (refer to par. 2f). For film chips check closely in and around Idler Gear (4210). When Shutter Clamp Device is excessively dirty or rusted, clean and lubricate. (Sheet No. 12 and 18)
- c. When Shutter Curtains travel across the Picture Frame without slit opening or when they stop before reaching the end even when they are opened, remove Cover (0400) first. It is usually found that Spring (4311) has slipped off a peg of Clamp Lever (4310). Adjust its shape and tension, and return it to original position. (Sheet No. 12)

Note: 1. When drawing Take-up Spool out care must be taken not to contact Plate Spring (4313) as there is no Bottom Plate Cover (0652) on old models.

2. Two Screws (4341) which hold Plate Spring (4313) must be securely screwed in.

- d. When shutter movement is dull or an unpleasant noise is heard, search for film chips and check condition of Shutter Curtains. If this does not correct the trouble, overhaul and lubricate the entire shutter mechanism by completely disassembling its parts. When doing so, closely check the Center Bearing of Shutter Drum (4020). (Sheet No. 12, 13, 7, 18 and 19)
- e. When shutter speeds are out of order, adjust them in the manner described in paragraph 5a, page II-6. (Sheet No. 13 and 19)

**Canon**

- f. Replace with new Shutter Curtain when it has deteriorated by natural wear or by lubricants or when burnt by sun.  
Replace Shutter Curtain in the following manner:

- (1) Remove Cover (0400) and Body Case (0010).
- (2) Remove three Light Shields (0711, 0732 and 0741)
- (3) Remove Slow Timer (4400) and Slow Timer Shaft (4461)
- (4) And lastly, remove the Shutter Curtains

Clean and lubricate before cementing new Curtains. Standard amount of suspension for Shutter Curtains is 3mm (0.118"). Read next paragraph (2g) for relative position between Shutter Curtains and Picture Frame. (Sheet No. 12, 13 and 19)

- g. In case shutter bounce is observed on 2nd Curtain, closely check and adjust the shape of Brake Lever (4240) which is incorporated on cameras having Shutter Clamp Device. Check the relation between Turning Disc (4040) and Plate Spring (4467), and adjust the position of (4467) so that peg of the Disc (4040) sits over the peg of the Spring (4467). Shutter bounce will occur also when the starting position is not correct in relation to Picture Frame (0610). Standard starting point is 3.5mm (0.138") from edge of Picture Frame for those cameras which have Shutter Clamp Devices, and 3.1mm (0.122") for other Canons. (Sheet No. 12, 13 and 18)

- h. Remove Cover (0400) and check shape and tension of Spring (4311) when Shutter releases at 1/25 sec. even when the High Speed Dial is set at "B". See paragraph 2c, page II-2. (Sheet No. 12)

- i. Repairs to Slow Shutter Speed

- (1) When odd noise is heard from Slow Timer (4400) or when it stops before completing the entire movement, remove Slow Timer (4400), check various parts and search for film chips. If it is dirty, disassemble and clean it in proper solvent. As it is a very delicate device, great care should be taken not to strain its parts. Reassemble after all parts are completely dried and then lubricate them. Excessive lubrication should be avoided. Replace with new Slow Timer when it has noticeably rusted due to water or moisture. (Sheet No. 12)
- (2) Adjust the position of Cam (4432) when Slow Shutter Speed operates at 1/25 sec. even when set at 1/8 sec., or when it is longer than 1/8 sec. or when Slow Shutter gets into action at "X" setting. Slowly remove Screw (4436) and turn Nut (4435). When this is turned counterclockwise, open duration will increase and when turned clockwise, it will decrease. (Sheet No. 4)

- (3) Although 1/8 sec. operates properly, if 1 sec. operates as "T" or vice versa, check Lever (4320) which contacts Slow Timing Shaft (4461). (Sheet No. 12)
- (4) When 1/8 sec. is not stable, check in the manner explained in previous paragraph 2i (2) and further check the shapes of Lever (4463) and Spring (4465). If this still does not correct the trouble, check Slow Timer. Remember, Slow Timing Shaft (4461) must return to its original position after shutter movement has been completed. (Sheet No. 12)
- (5) Check Shutter Mechanism by removing Cover (0400) when Slow Speed Shutter does not operate at all. If Shaft (4461) does not rise sufficiently, check the tightness of Turning Disk (4040). When Shaft (4461) does not return to its original position after the completion of shutter movement, check Slow Timer (4400), Lever (4463) and Spring (4465). Care should be taken not to let Shaft (4461) rise more than necessary since it will affect shutter speed 1/100 sec. Spring (4467) should not contact Turning Disk (4040) at 1/3 turn of Film Winding Knob. (Sheet No. 12)
- (6) When Slow Speed Dial does not turn properly, apply a drop of alcohol around Nut (4428) and adjust the tightness of Nut (4428) after alcohol has saturated through. After it has been adjusted, apply a little cement between Slow Speed Dial (4420) and Nut (4428). (Sheet No. 4)

### 3. RANGE VIEWFINDER

- a. If the vertical images do not coincide when viewed through the rangefinder, adjust it by turning Erector Prism (2170) slightly. If the Erector Prism (2170) is loose, widen the slit. If it can not be adjusted by simply turning Erector Prism (2170) due to defects caused by shock or improper servicing, replace Moving Prism (2154) by the method described in 3f, page II-5. (Sheet No. 7 and 11)
- b. Mount the lens on the camera. The images of an object more than 300 yards away must coincide and images of the haircross of the collimator must coincide when viewed through the rangefinder. If they do not, unscrew the Screw (0431) and adjust it by turning Adjusting Screw (2156).

Note: It is unnecessary to remove Cover (0400) except when changing Moving Prism.

- c. If the images do not coincide smoothly or do not coincide at all, inspect the movement of Focusing Roller (2211), Range Finder Cam (2210), and Moving Prism Arm (2150). If the height of Focusing Roller (2211) is not properly set, unscrew three Screws (2320) and adjust the thickness of Washer (2310). If Cam (2210) and Arm (2150) do not operate properly clean the bearings. (Sheet No. 9, 10 and 11)
- d. To remove dust or fungus on the surface of optical system inside the Finder, first remove the dust of the surface of the optical system (Assembly 2100) by brush and then wipe the surface with clean cloth dipped in alcohol. To remove dust inside the Magnifying Lens Box (2130), lift Bezel (2135) with tweezers and take out Lens B (2137). After cleaning the Lens (2134, 2137) and Mask (2136), insert it curve-side out and fix it.
- e. If some erratic condition is observed on Half-Mirror Prism (2120), remove Prism Cover (2121) and then Moving Prism Arm (2150) carefully. After careful cleaning, mount the camera off firmly on the collimator by tightening Lens Mounting Flange leaving the Base Plate (0510) of the camera. Fix the Prism (2120) on the Base Plate (2110) inside the Cover (2121) and three Screws (2139) with lacquer. Adjust the Prism (2120) so that the two images which come through collimator coincide. Insert thin Washer (0.02mm) underneath the Prism if necessary. And then tighten three Screws (2139) and cement them. (Sheet No. 10)

Note: Half-mirror Prism (2120) should be replaced after Washer (2185).

- f. When changing Moving Prism (2154), Prism (2154) may be removed with Lock Plate (2155) at the same time. Remove Prism (2154) and Washer (2160) from Lock Plate (2155) and clean each item. Inspect the movement of Lever (2151). Leave the lens at infinity and adjust the Adjusting Screw (2156) so that they are paralleled with Base Plate (2110). Fix the Prism (2154) so that the distance between Prism and Lock Plate is 0.3 to 0.4mm (0.012 to 0.016 inch). Thus reflected image must coincide horizontally with direct image. (Sheet No. 11)

Note: Moving Prism (2154) must be replaced after Washer (2160) has been replaced.

- g. If the optical axis of the Finder does not coincide with that of the lens, place it on the Optical Axis Tester in the same manner indicated in 3e above.
- h. If the movement of Magnifying Lever (3515) is unsatisfactory, check joints of Base Plate (2110), Disk (2132), Spring (2114), Gear (2133) and Selector (3514). Clean each item if necessary. If the gearing works unsatisfactorily remove (2100) and check the shaft of Selector (3514).

After all checks have been done, put (2100) in the correct place. Tighten the 3 Screws (2321, 2322) and lock them in the manner described in 3e. (Sheet No. 9, 10 and 11)

#### 4. ALIGNMENT PROCEDURE

- a. The gap between Picture Frame (0610) and Top Cover (0310) must be 2.0mm (0.079 inch). When installing Picture Frame and Shutter Mechanism in the Top Cover with four screws, insert 2.0mm Gauge between Top Cover and Picture Frame. (Sheet No. 13)
- b. Correct distance from Lens Mounting Flange to the Picture Frame is 28.8mm (1.134 inch). The tolerance is 0.03mm. To measure this distance prepare a measuring instrument of a dial indicator type and thin glass plate. This indicator is made especially for this purpose and must be handled carefully. Open the Shutter Curtains by setting the Shutter to "T." For those cameras which do not have "T" open it by setting the Shutter to "B" and then, while pressing the Shutter Release Button, turn the Rewinding Lever (3311) to "R". Remove the dust and insert thin glass plate where film is usually inserted. Also place measuring instrument 28.8mm Gauge on the Mounting Flange, and measure it. If there is any variation beyond the tolerance, unscrew 4 Screws (0120) and insert Washer (0111) of proper thickness.

Note: Remove thin glass from the camera body without fail after inspection.

#### 5. FINAL TESTING AND ADJUSTMENT

##### a. Shutter Test

After all assembling is done, shutter test should be undertaken by a Time Interval Meter. Insert the ground glass in the manner indicated in 4b above. Shutter should be tested at the highest two stops. If these two shutter tests prove to be satisfactory, it indicates that the rest of the high shutter speeds are assembled correctly. If the inspector finds any defect which can not be adjusted at this stage, adjust the Shutter in the following manner:

- (1) Adjustment to Shutter speed is be done by adjusting the tension of the Shutter Springs of the First and Second Shutter Curtains (4110, 4120). In order to tighten the Spring, turn the Shaft (4111, 4121) counter-clockwise. (Sheet No. 19)

- (2) Second Shutter Curtain should overlap the First Curtain by 3.0mm (0.118 inch).
- (3) Slow Speed Dial is checked in the following manner:
  - (a) When set at "T" the Second Curtain should not close until the Dial is turned from "T" to "1".
  - (b) When set at "1" the Second Shutter should not start its motion across for 1 second.

**b. Synchronizer Test**

When making Synchronizer Test, the following points should be checked:

- (1) Insulation Test (Sheet No. 5 and 6) is performed in the following manner:
  - (a) Wind the Shutter a little. Close two Contacts (1111, 1112). Turn Rewinding Lever (3311) to "R".
  - (b) Turn the Slow Shutter Dial to "X". Then test insulation of Bracket (1010) and Contact (1012). A 500 volt megohm resistance tester is required for the testing. If there are any defects renew parts.
- (2) Contact Resistance Test (Sheet No. 5 and 6)
  - (a) High Speed Shutter Circuit Test

Wind the Shutter slightly (5-6 Markings in the Indicating Disc (3062)). Close two Contacts (1111, 1112). Turn the Rewinding Lever to "R". Set the Slow Speed Dial at 1/25. Then measure the resistance between Bracket (1010) and Contact (1012).
  - (b) Slow Speed Shutter and X Contact Circuits Test

Release the Shutter. Set Slow Speed Dial at "X". Turn the Rewinding Lever (3311) to "R." Measure the resistance between Bracket (1010) and Contact (1012).

In above testing, resistance should be below 0.2 ohms. If there is any defect, clean the parts or renew them if necessary.

- (3) Synchronization Test (Sheet No. 5 and 6)

Synchronization Test is performed by Heiland Synchro-Tester. Mount Canon Self-Extension Adapter on the Bracket (1010) of the camera and connect it to the tester. Insert the Plastic Card for Synchro Testing into the camera where the film is usually placed. Set the shutter at 1/1000 sec. and the time-lag of the Tester at 14 m.s.

When Shutter is released the edge of the First Curtain should be on the marking of the Plastic Plate.

- (4) Inspect Bracket (1010) of Flash Unit, and replace any parts which do not operate satisfactorily. Check the position of the Contact (1012). (Sheet No. 5)

c. Range-Viewfinder Test

The following tests must be performed when the distance of Lens Mounting Flange (0110) and Picture Frame (0610) require checking and adjustment:

- (1) Insert the Gauge into the Lens Mounting Flange and inspect the height of Focusing Roller (2211).  
If there is any defect adjust it in a manner described in par. 3c, page II-5. (Sheet No. 4 and 11)
- (2) Screw 7.5mm Gauge into the Lens Mounting Flange and check the Haircross of the Collimator. If there is any defect adjust it in the manner explained in par. 3a and 3b, page II-4.
- (3) Place the camera on a bench and set the chart exactly 5 feet before the Red Dot (film plane) on the camera body and adjust the finder axis. When coinciding the images of crossline of the chart by viewing through the range finder, the distance scale of the lens must indicate 5 feet. If it does not show within the markings of depth of field scale at maximum aperture, adjust V gap Range Finder Cam (2210).  
(Sheet No. 9 and 11)

Section III  
EXPLODED VIEW  
of  
CANON CAMERA BODY, MODEL IV-S2

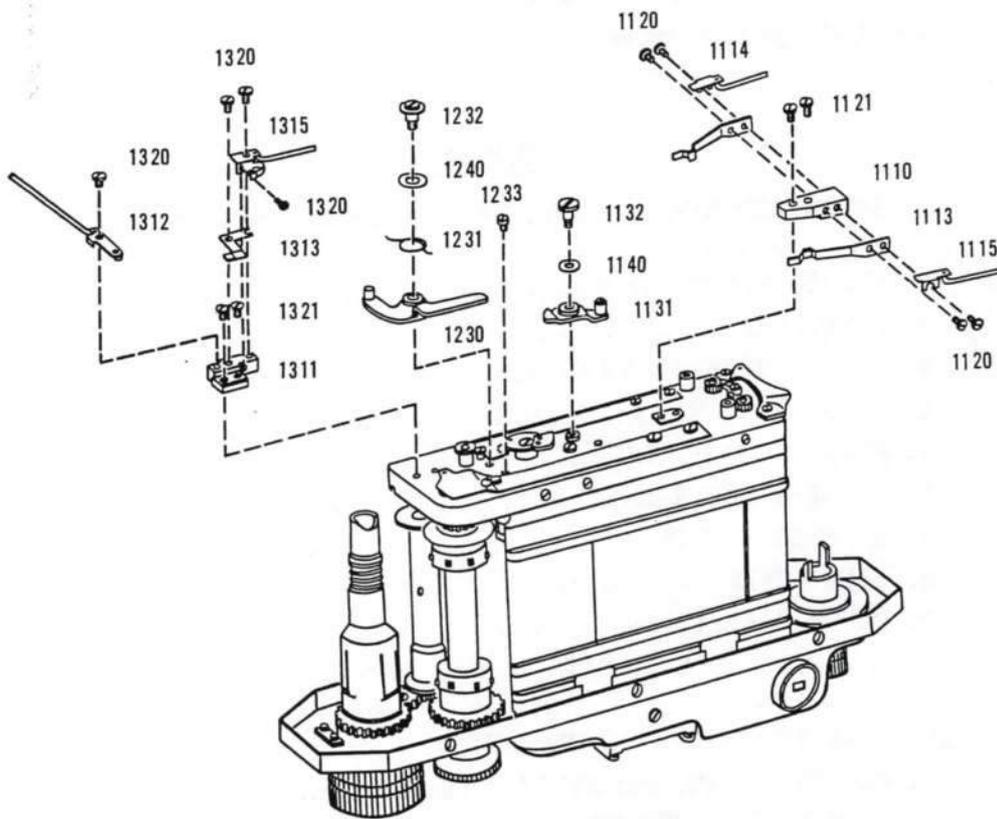
These diagrams show you the correct procedure for disassembling and assembling the Canon Camera Body. They also indicate parts numbers.

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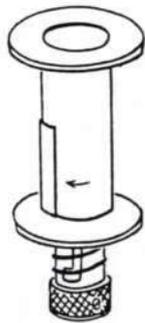
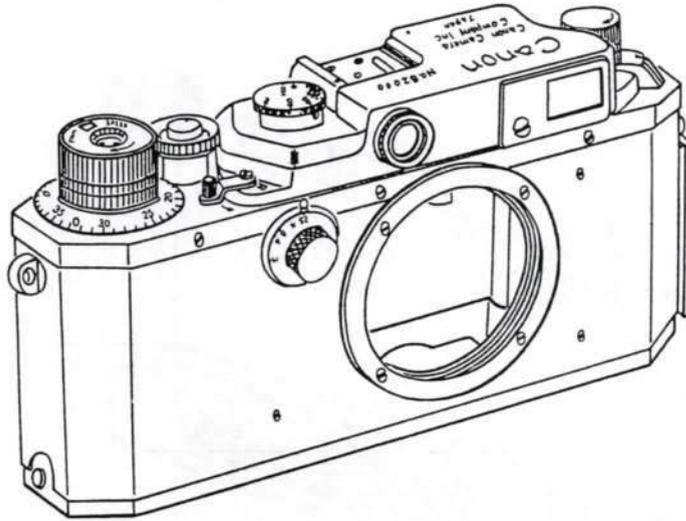
EXPLODED VIEW  
of  
CANON CAMERA BODY MODEL IV-S

SHEET No. 1

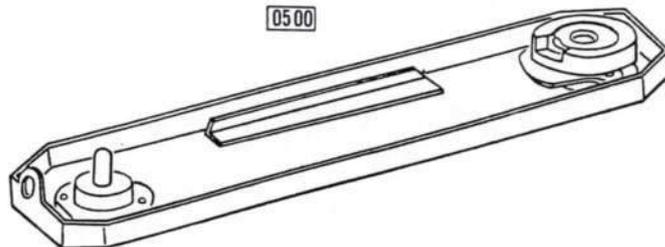


EXPLODED VIEW  
of  
CANON CAMERA BODY MODEL IV-S2

SHEET No. 1

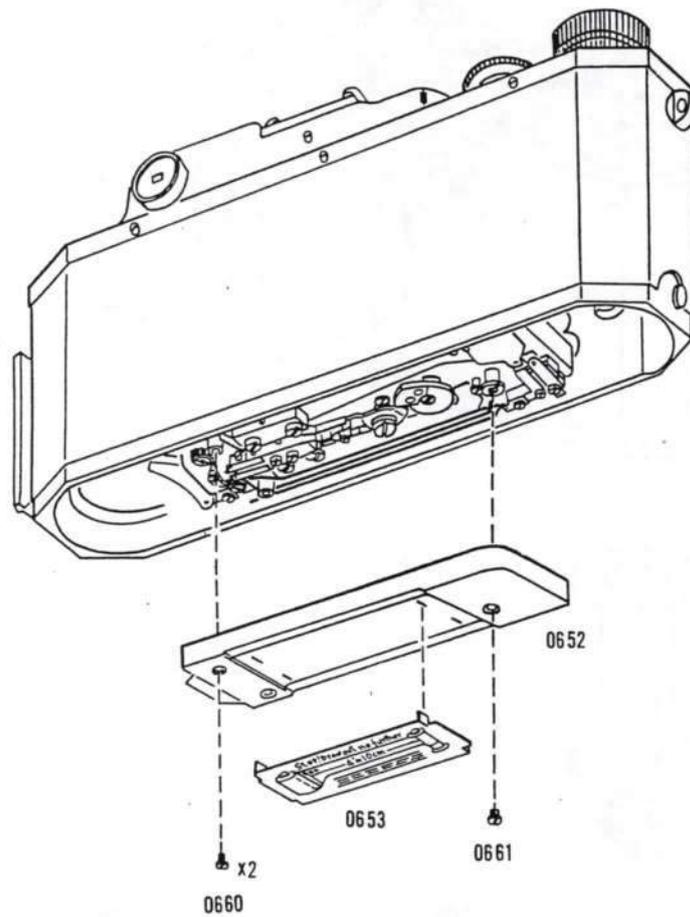


0500



EXPLODED VIEW  
of  
CANON CAMERA BODY MODEL IV-S2

SHEET No. 2



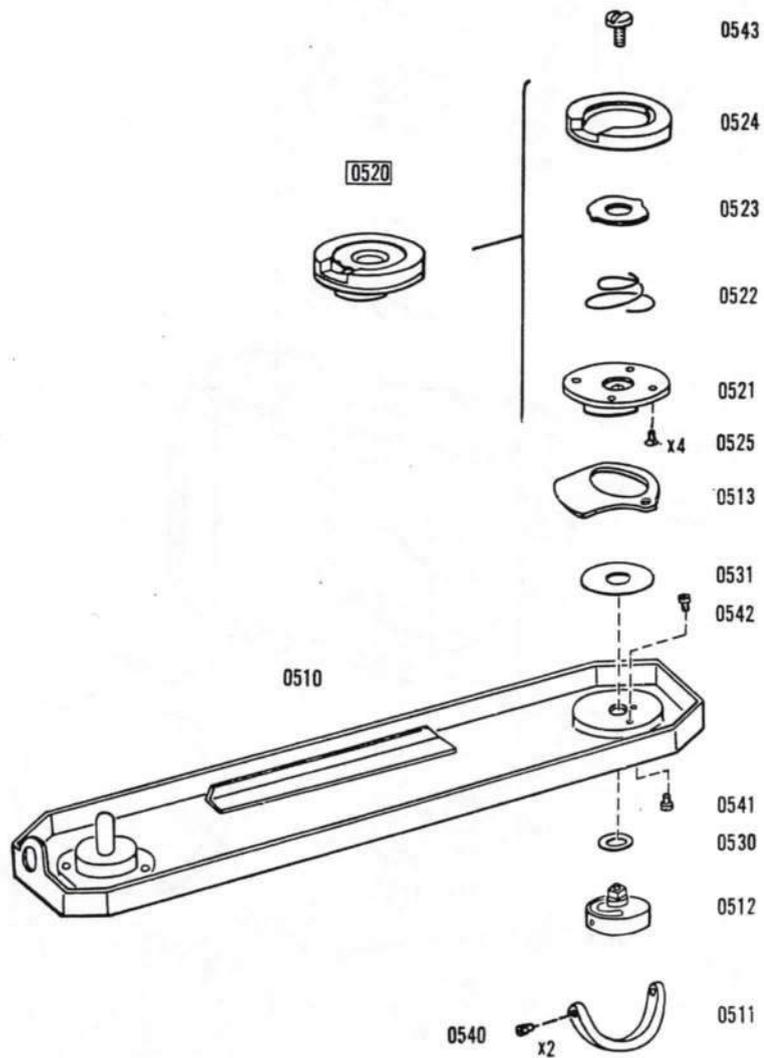
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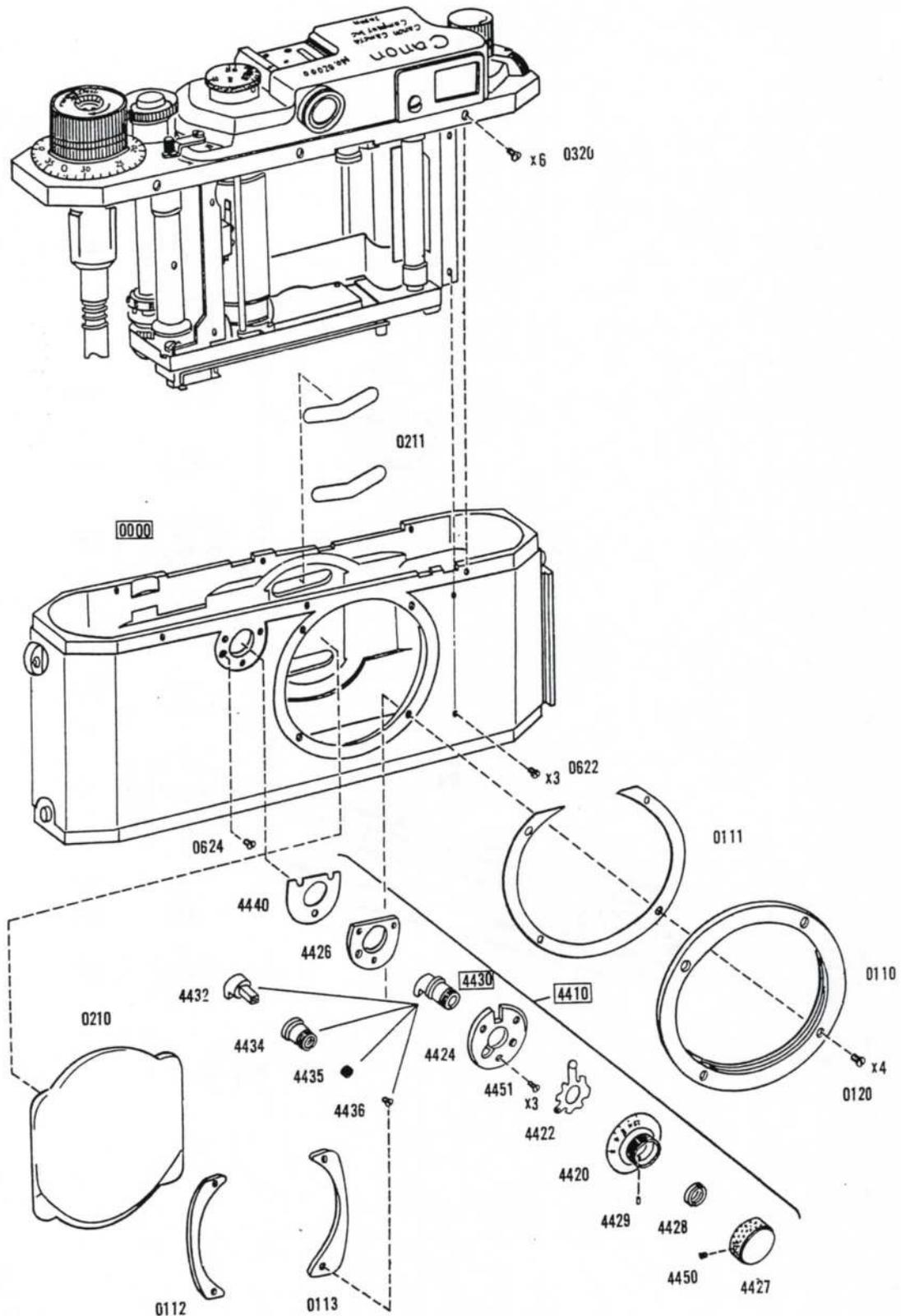
EXPLODED VIEW  
of  
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SHEET No. 3



EXPLODED VIEW  
of  
CANON CAMERA BODY MODEL IV-S2

SHEET No. 4



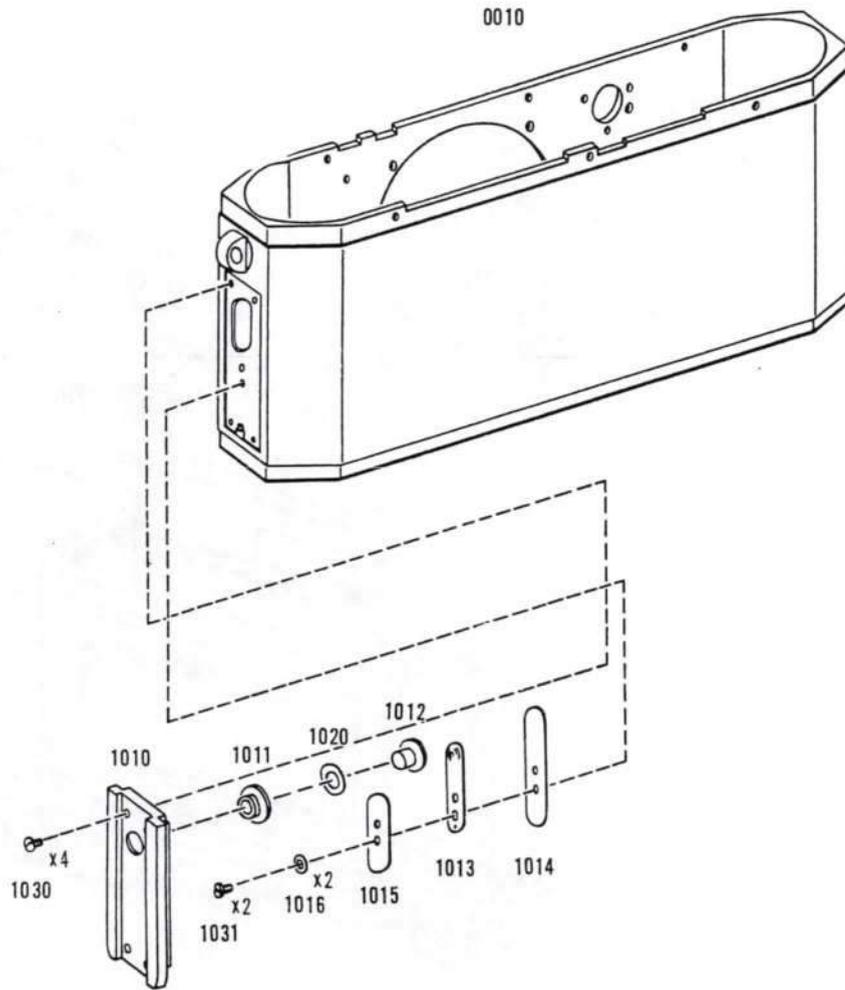
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SHEET No. 5



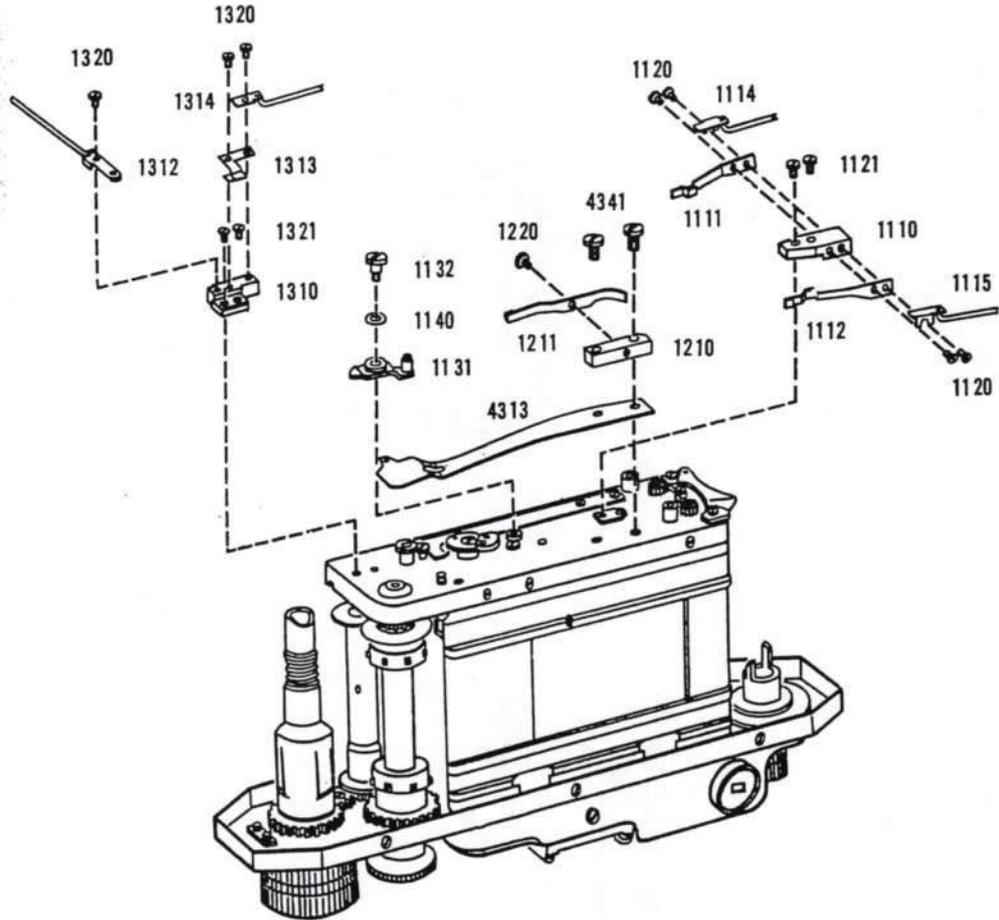
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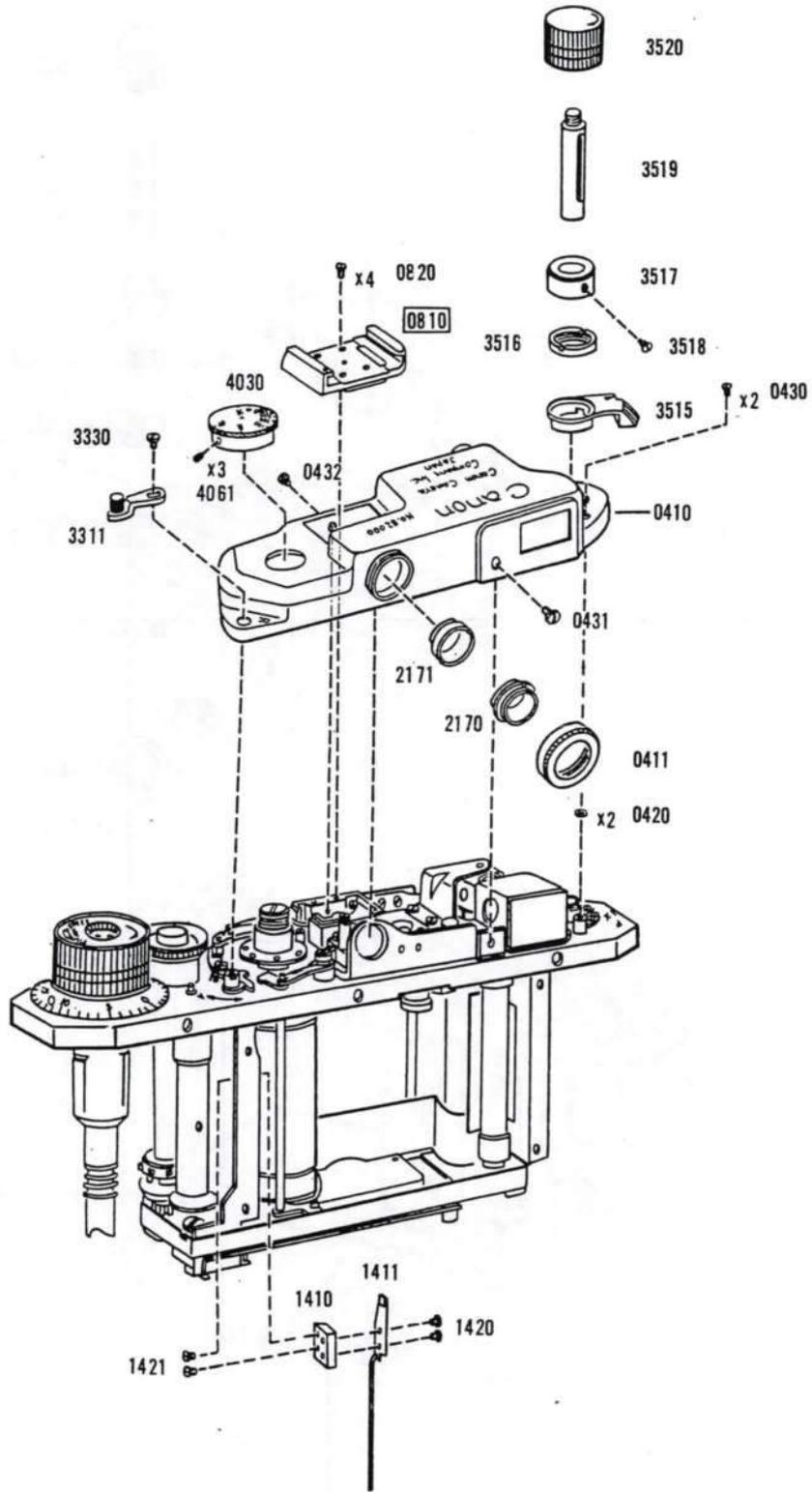
EXPLODED VIEW  
of  
CANON CAMERA BODY MODEL IV-S2

SHEET No. 6



EXPLODED VIEW  
of  
CANON CAMERA BODY MODEL IV-S2

SHEET No. 7



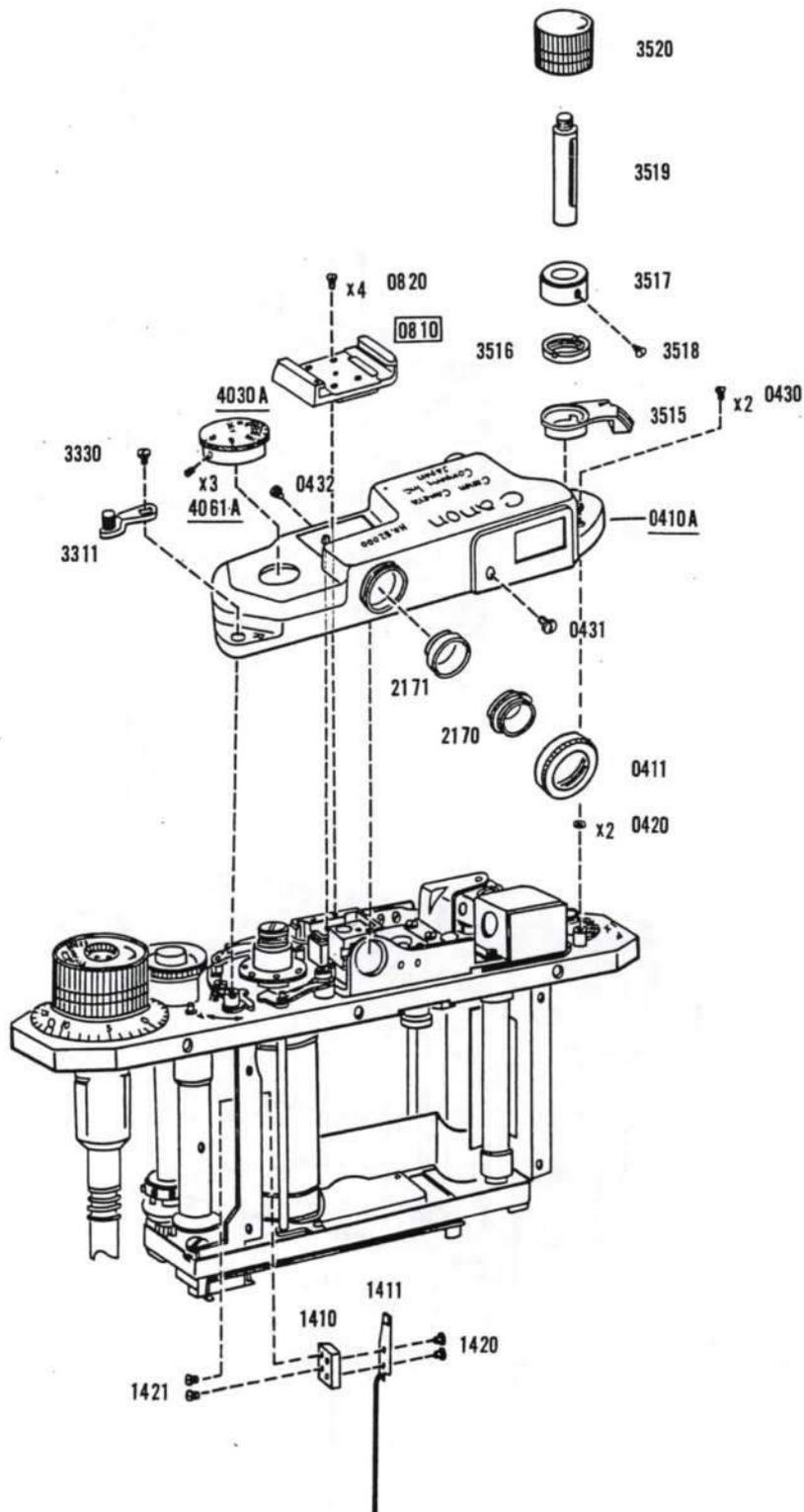
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EXPLODED VIEW  
of  
CANON CAMERA BODY MODEL IV-S2

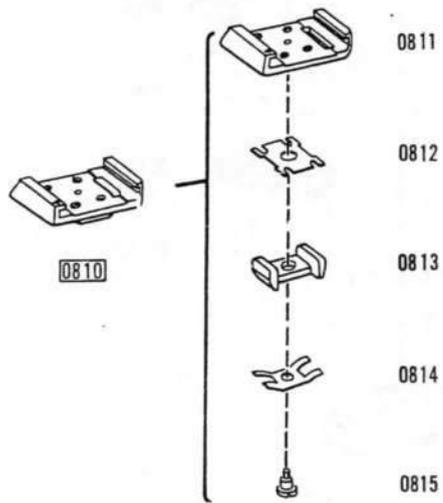
SHEET No. 7A



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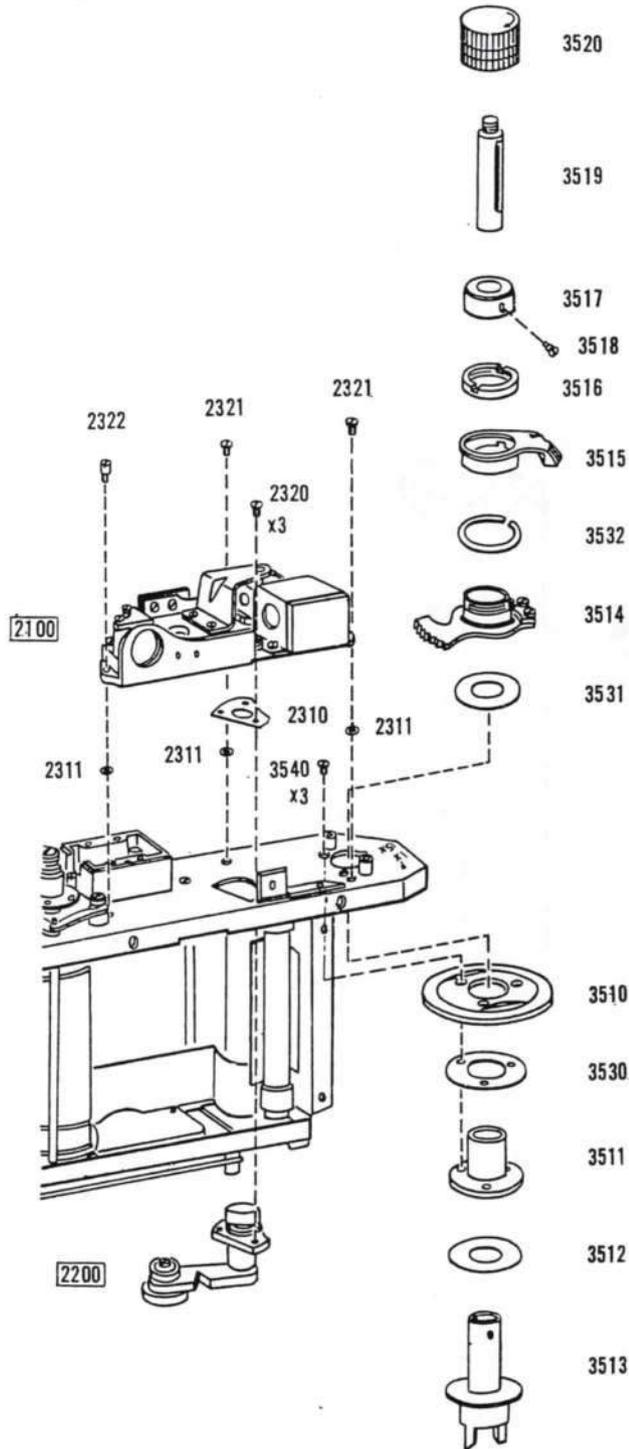
EXPLODED VIEW  
of  
CANON CAMERA BODY MODEL IV-S2

SHEET No. 8



EXPLODED VIEW  
of  
CANON CAMERA BODY MODEL IV-S2

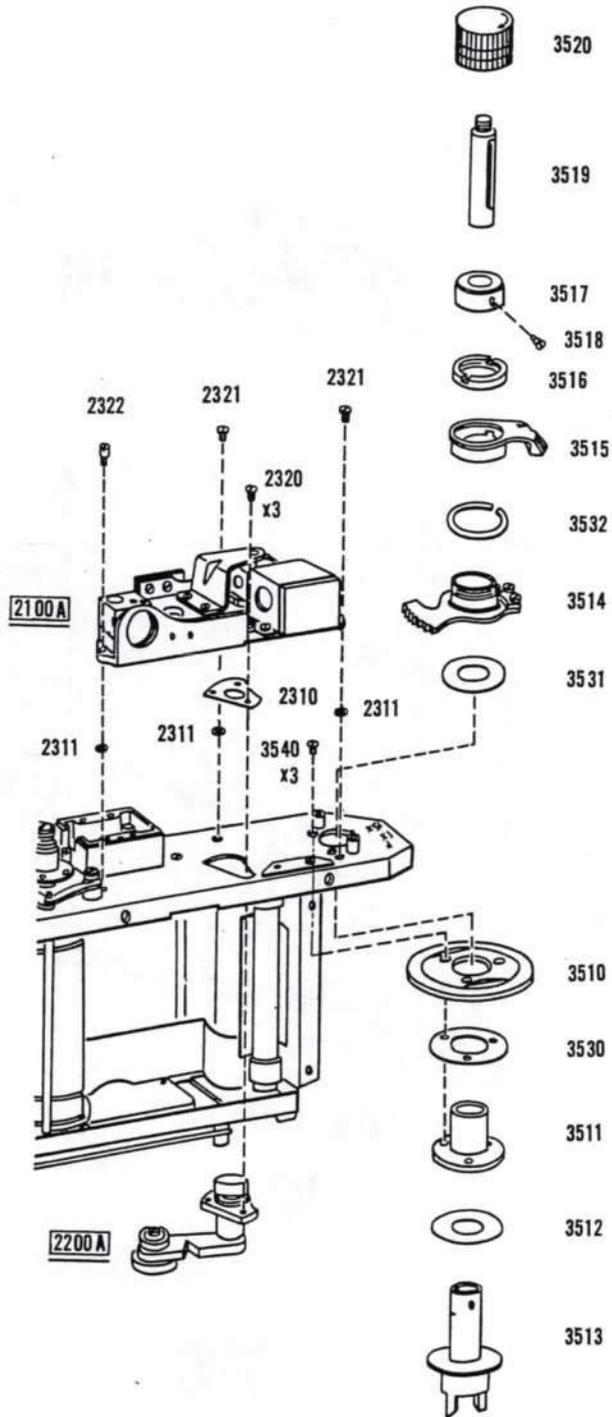
SHEET No. 9



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EXPLODED VIEW  
of  
CANON CAMERA BODY MODEL IV-S2

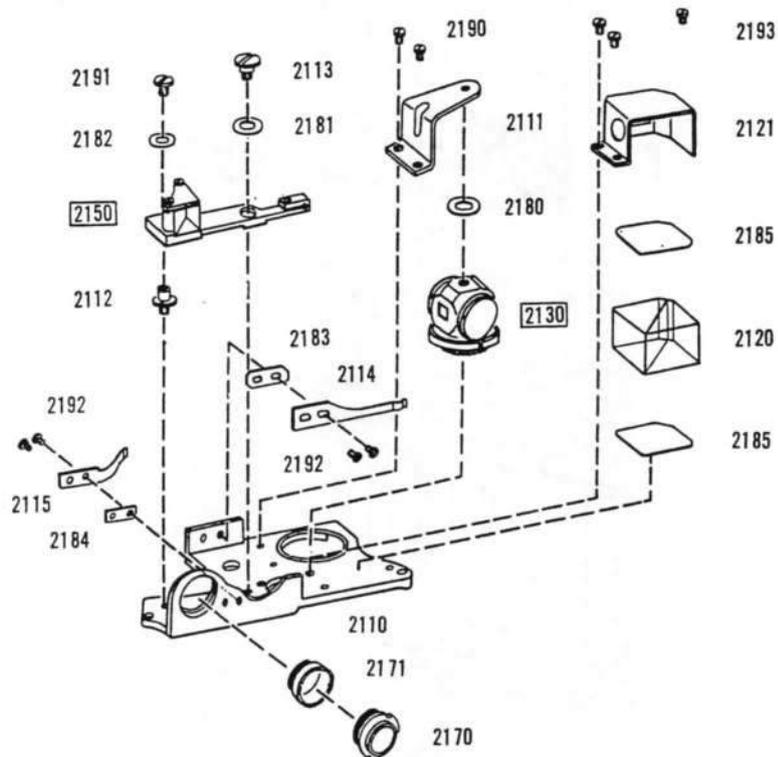
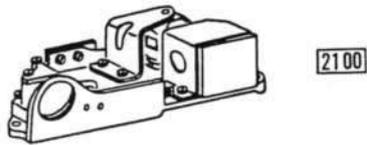
SHEET No. 9 A



TECHNICAL ENGINEERING DEPT.  
CANON CAMERA CO., INC.

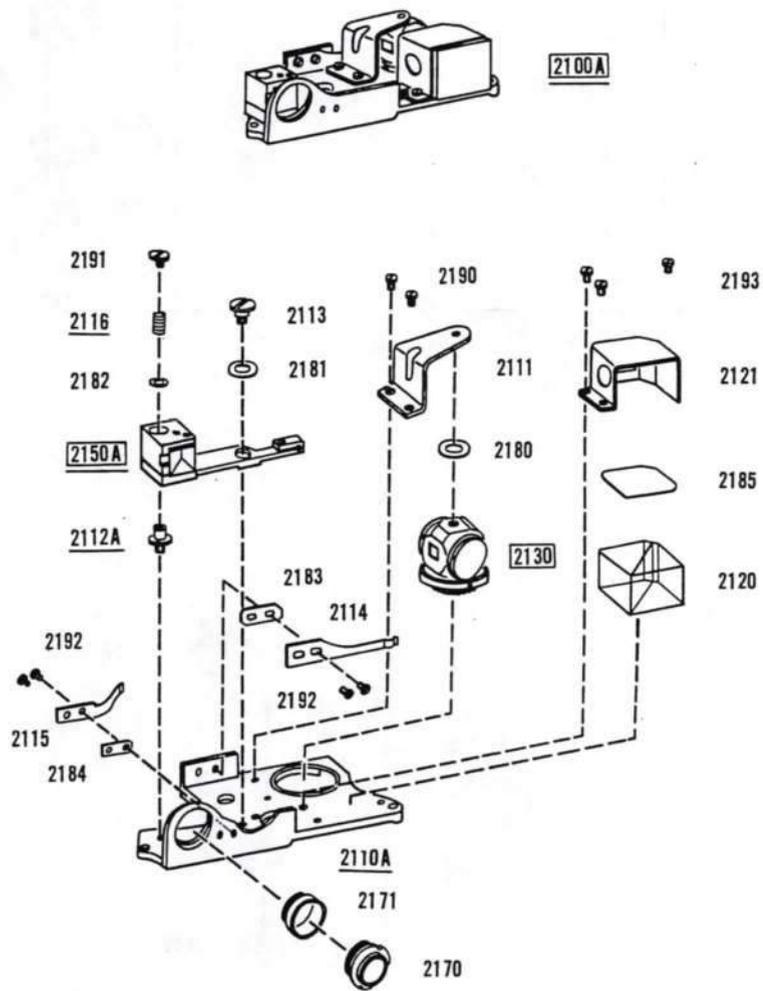
EXPLODED VIEW  
of  
CANON CAMERA BODY MODEL IV-S2

SHEET No. 10



EXPLODED VIEW  
of  
CANON CAMERA BODY MODEL IV-S2

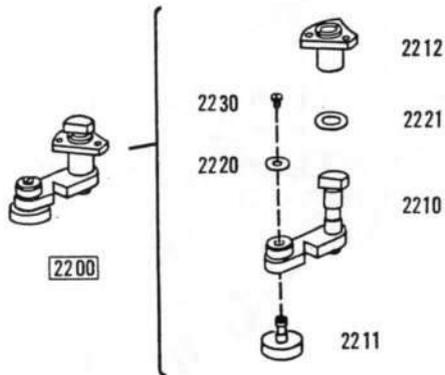
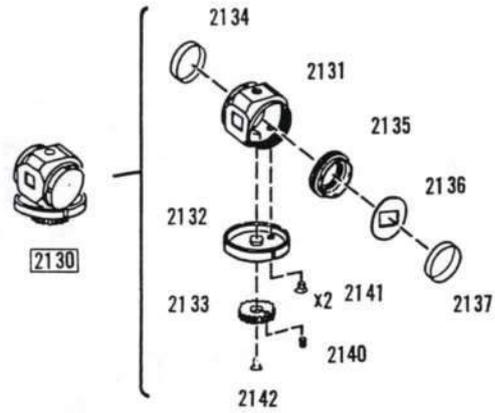
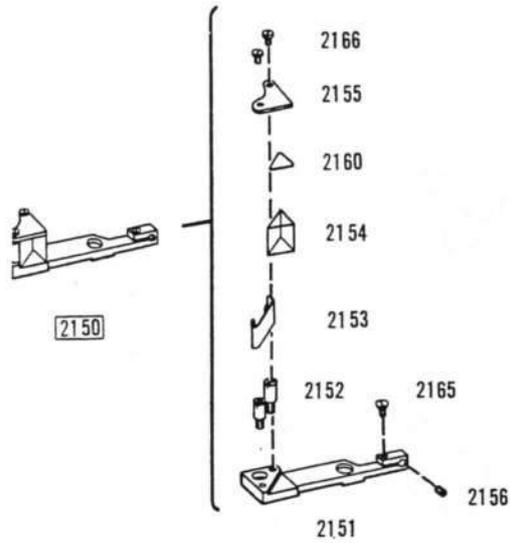
SHEET No. 10 A



TECHNICAL ENGINEERING DEPT.  
CANON CAMERA CO., INC.

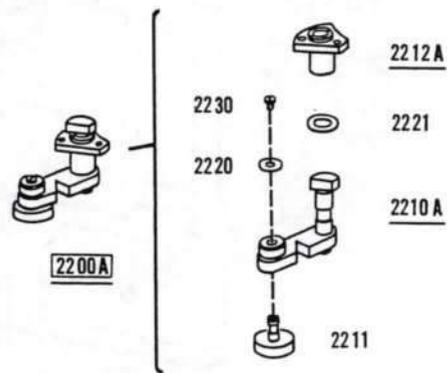
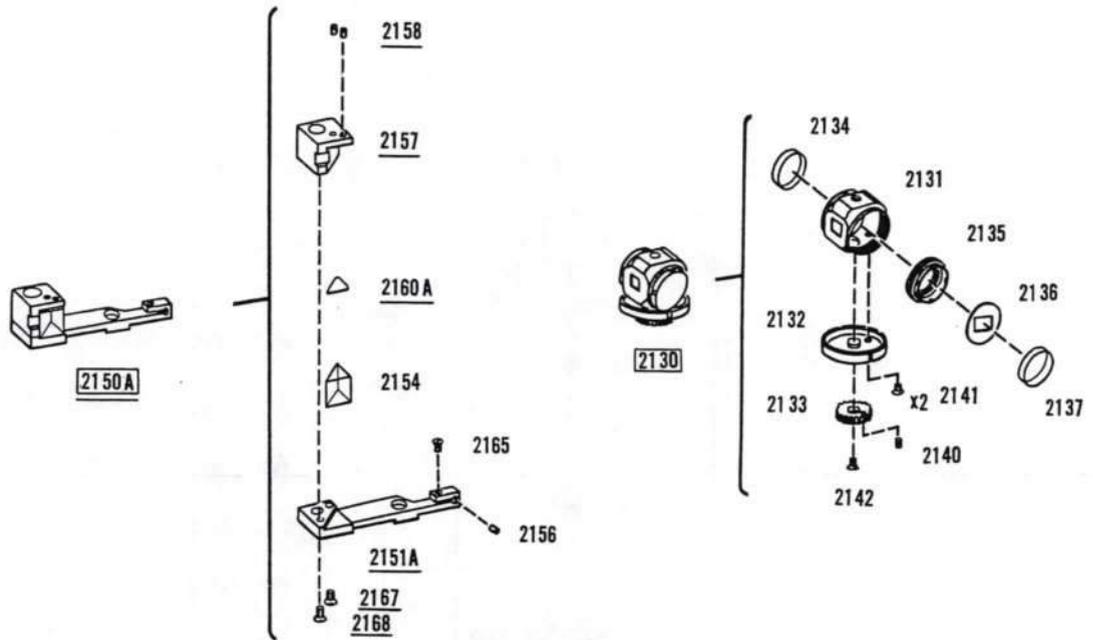
EXPLODED VIEW  
of  
CANON CAMERA BODY MODEL IV-S2

SHEET No. 11

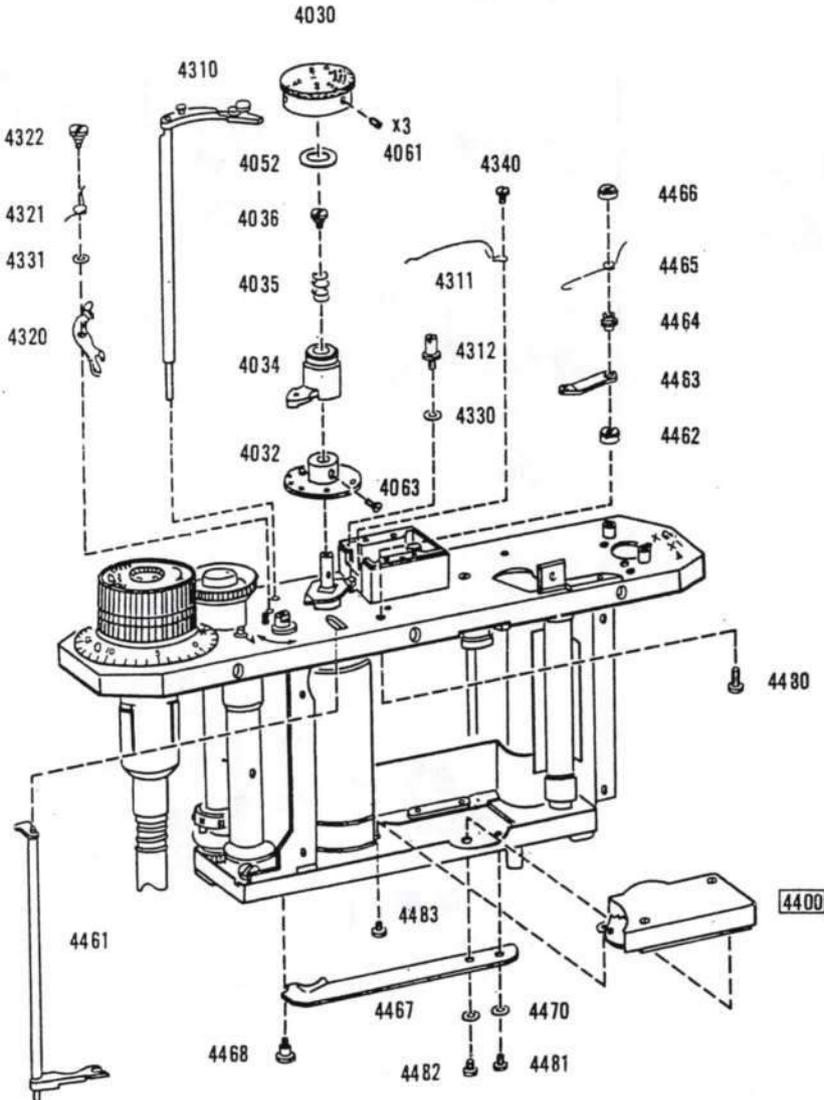


EXPLODED VIEW  
of  
CANON CAMERA BODY MODEL IV-S2

SHEET No. 11 A

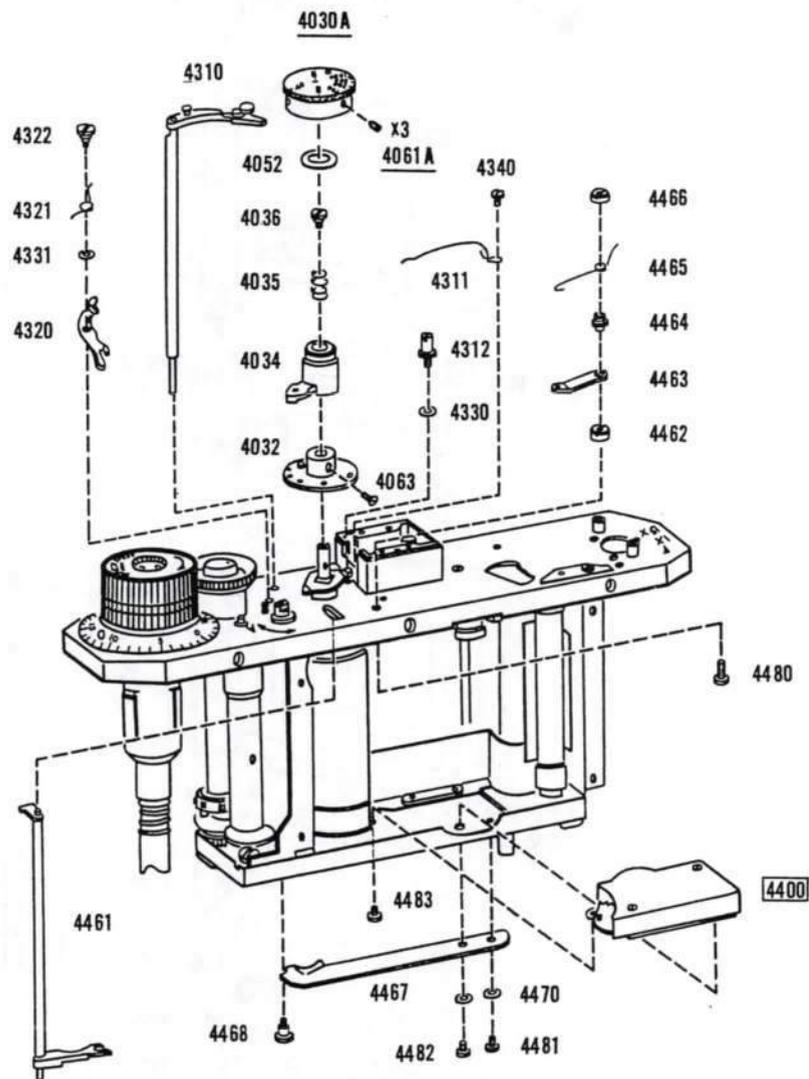


EXPLODED VIEW  
of  
CANON CAMERA BODY MODEL IV-S2

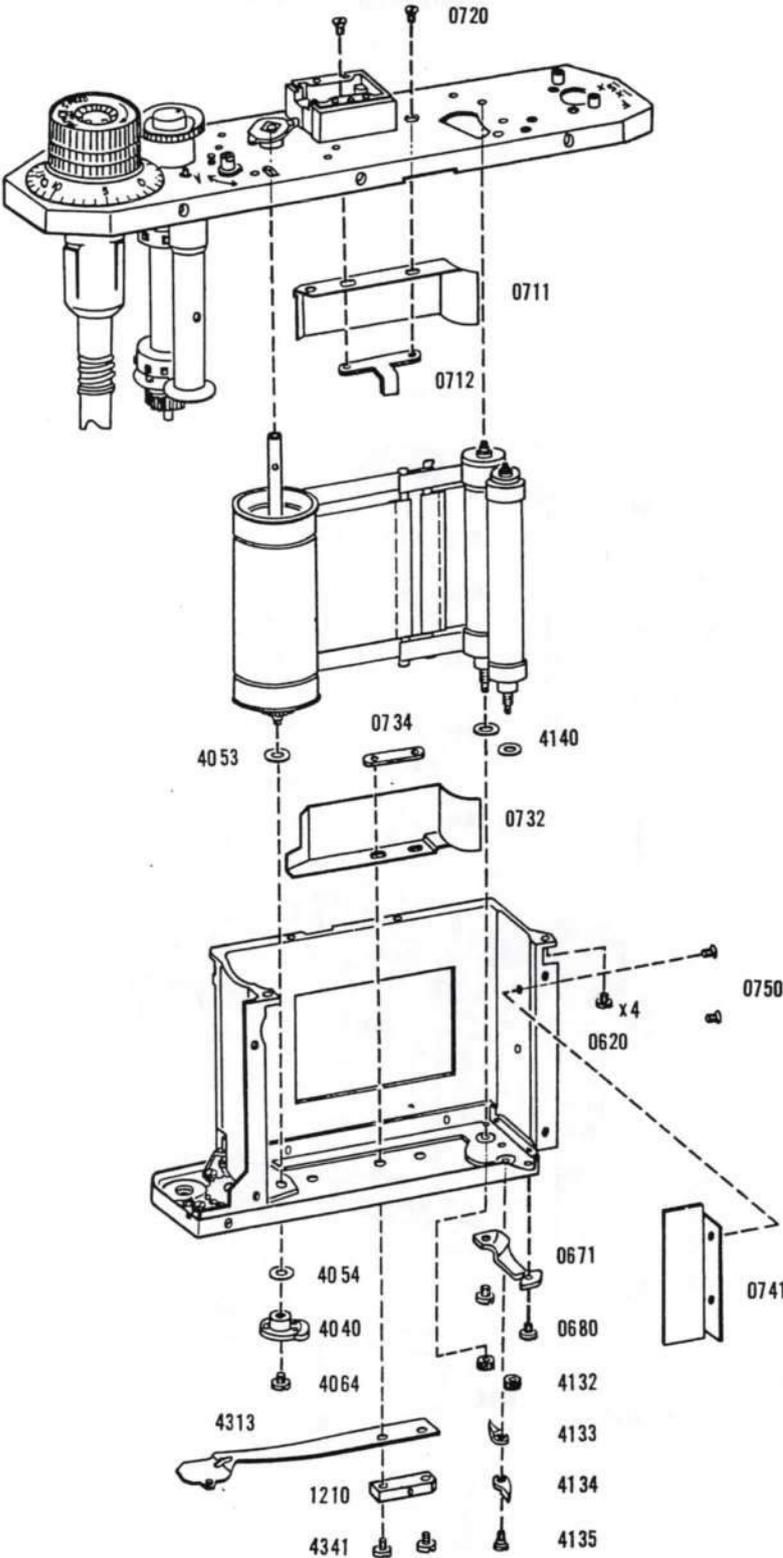


EXPLODED VIEW  
of  
CANON CAMERA BODY MODEL IV-S2

SHEET No. 12A



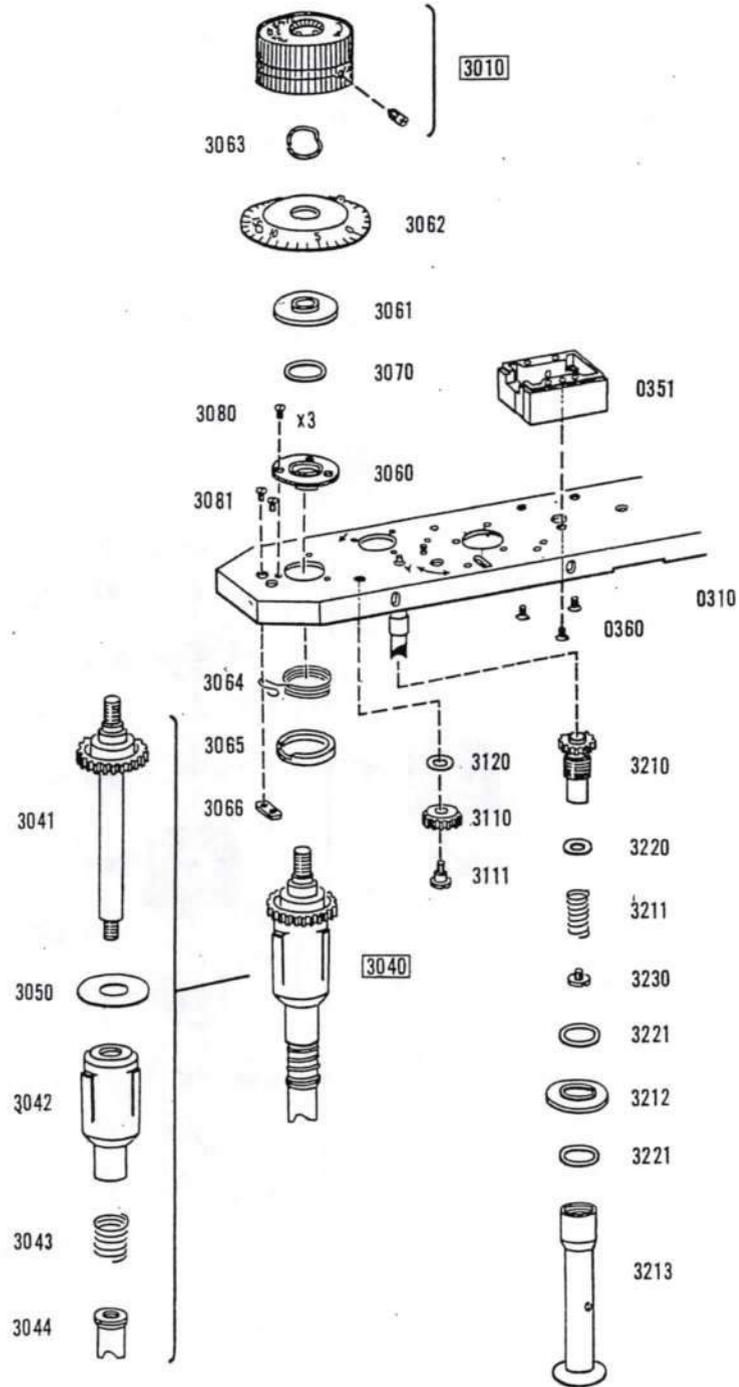
EXPLODED VIEW  
of  
CANON CAMERA BODY MODEL IV-S2



TECHNICAL ENGINEERING DEPT.  
CANON CAMERA CO., INC.

EXPLODED VIEW  
of  
CANON CAMERA BODY MODEL IV-S2

SHEET No. 14



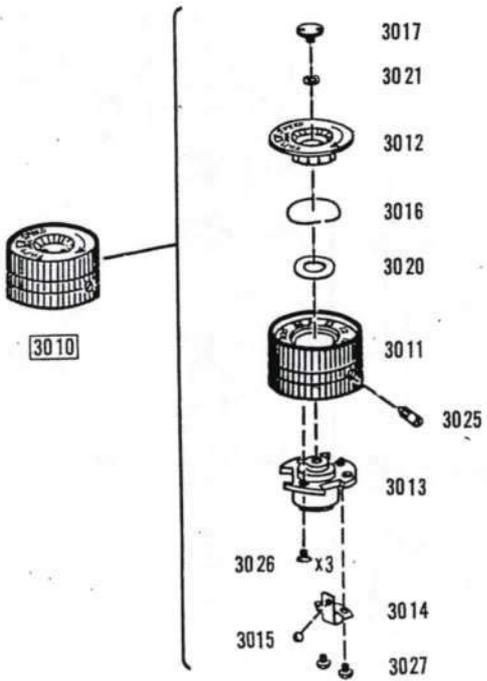
TECHNICAL ENGINEERING DEPT.  
CANON CAMERA CO., INC.

JUNE 1953

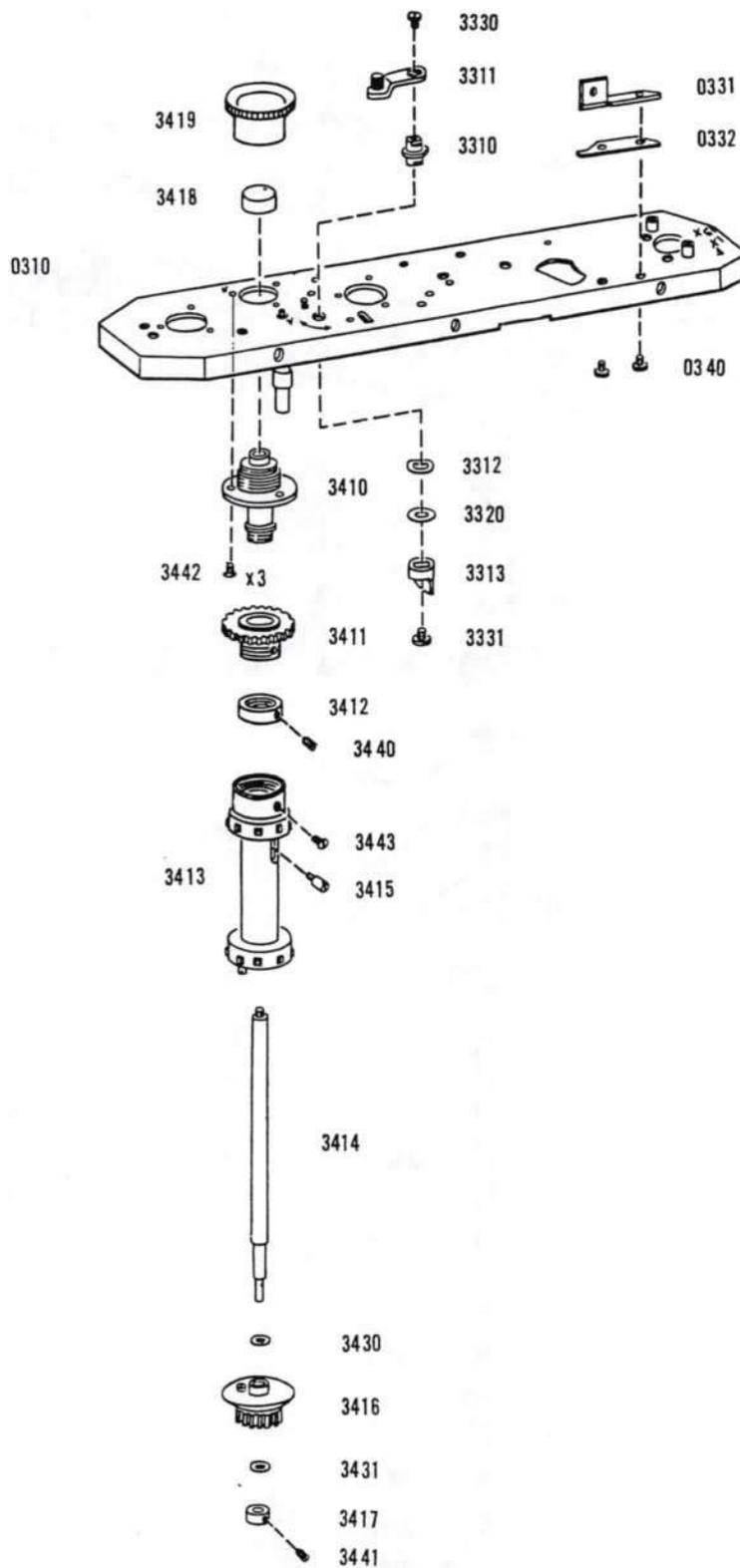
REFERENCE NO. C-10307

EXPLODED VIEW  
of  
CANON CAMERA BODY MODEL IV-S2

SHEET No. 15

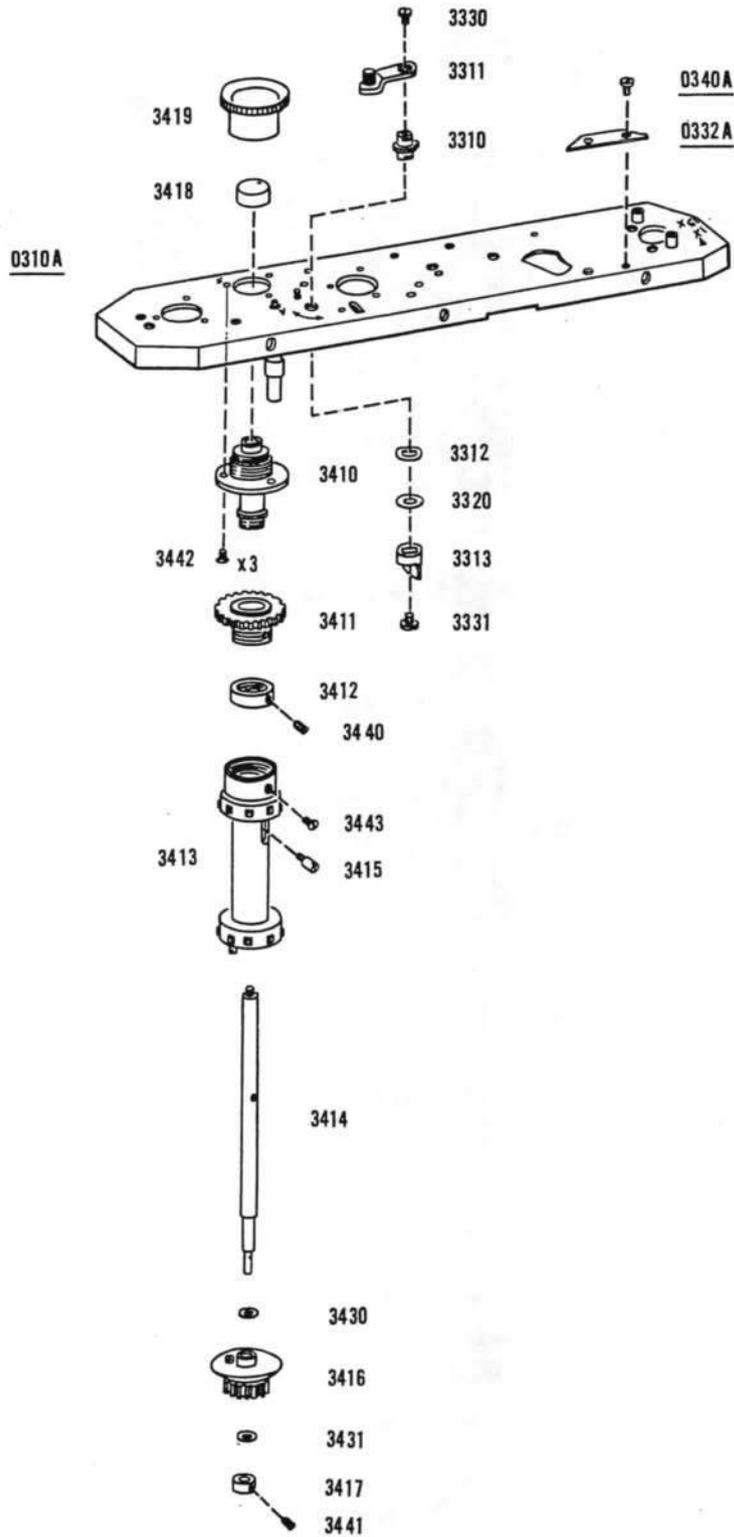


# EXPLODED VIEW of CANON CAMERA BODY MODEL IV-S2



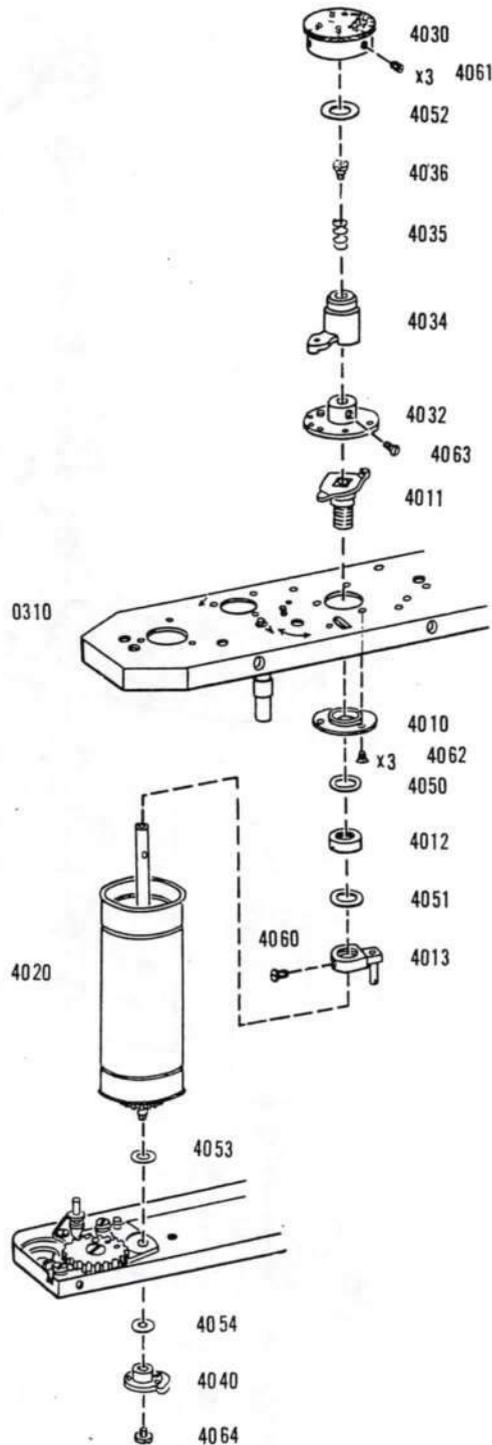
EXPLODED VIEW  
of  
CANON CAMERA BODY MODEL IV-S2

SHEET No. 16A



EXPLODED VIEW  
of  
CANON CAMERA BODY MODEL IV-S2

SHEET No. 17



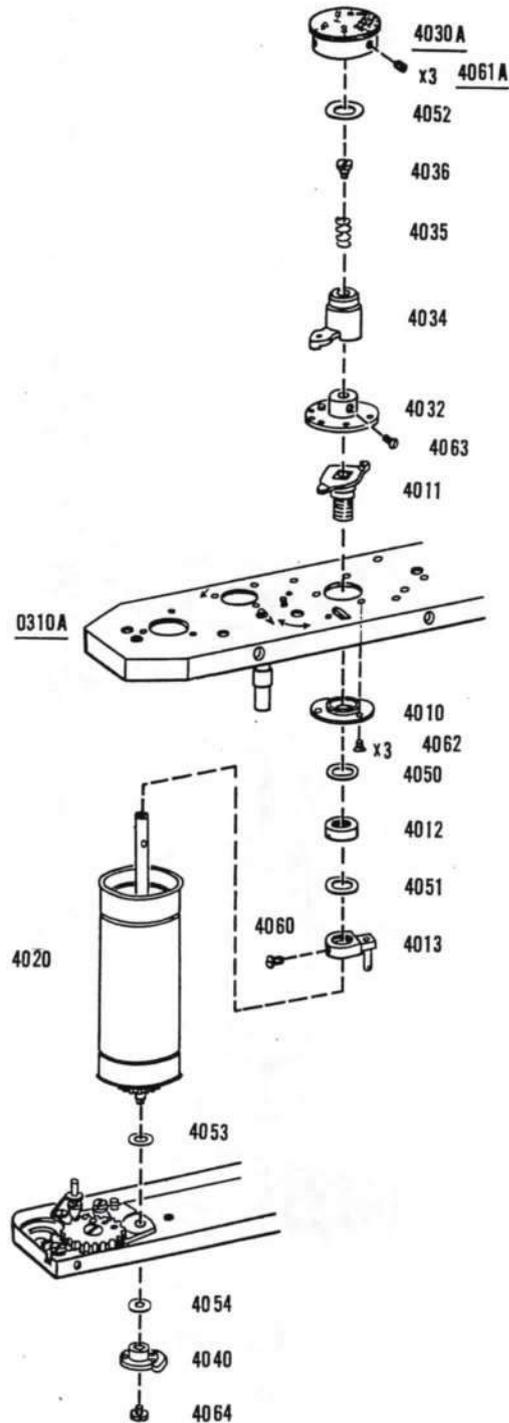
TECHNICAL ENGINEERING DEPT.  
CANON CAMERA CO., INC.

JUNE 1953

REFERENCE NO. C-10307

EXPLODED VIEW  
of  
CANON CAMERA BODY MODEL IV-S2

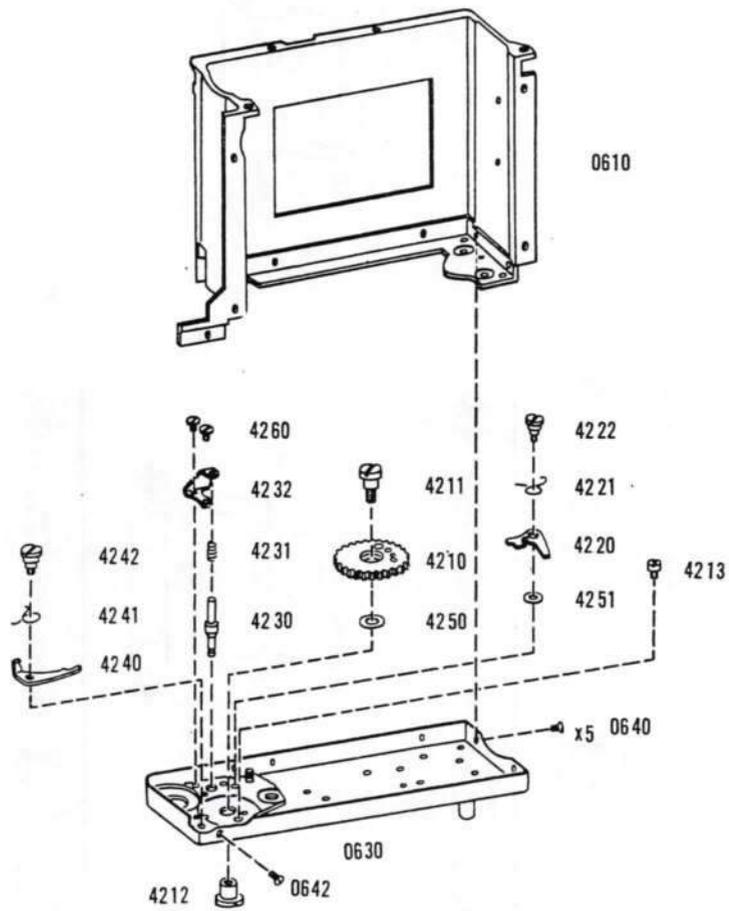
SHEET No. 17A



TECHNICAL ENGINEERING DEPT.  
CANON CAMERA CO., INC.

EXPLODED VIEW  
of  
CANON CAMERA BODY MODEL IV-S2

SHEET No. 18



TECHNICAL ENGINEERING DEPT.  
CANON CAMERA CO., INC.

JUNE 1953

REFERENCE NO. C-10307



## Section IV

# CAMERA MODELS and PARTS LIST

When ordering parts be sure to indicate NOMENCLATURE,  
CAMERA MODEL, PARTS NUMBER, DESCRIPTION and quantity needed.

NOTE: ※ and ⊙ indicate that the part is further broken  
down in the column corresponding to the marking.

DESCRIPTION

III

IV

III-A

IV-S

IV-S2

II-D

II-F

II-S

NOMENCLATURE

Body Case	0000	0000	-	0000	0000	0000	0000	0000	0001	-	-	-	4
Body Case with Flash Terminal for Die Cast Picture Frame (Assembly)													
Body Case with Flash Terminal for Brass Plate Picture Frame (Assembly)													
Body Case for D.C.P.F.*	0010	0010	-	0010	0010	-	-	-	0011	-	-	-	5
Body Case for B.P.P.F.**	-	-	-	-	0011	-	-	-	0011	-	-	-	
Body Case for D.C.P.F.*	-	-	0012	-	-	-	0012	-	-	-	-	-	
Body Case for B.P.P.F.**	-	-	-	-	-	-	0013	-	0013	-	0013	-	
Frame													
Lens Mounting	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	
Flange													
Flange	0110	0110	0110	0110	0110	0110	0110	0110	0110	0110	0110	0110	4
Washer	0111	0111	0111	0111	0111	0111	0111	0111	0111	0111	0111	0111	4
Support Nut	0112	0112	0112	0112	0112	0112	0112	0112	0112	0112	0112	0112	4
Support Nut	0113	0113	0113	0113	0113	0113	0113	0113	0113	0113	0113	0113	4
Screw 0110/0010 x 4	0120	0120	0120	0120	0120	0120	0120	0120	0120	0120	0120	0120	4
Pressure Plate	0200	0200	0200	0200	0200	0200	0200	0200	0200	0200	0200	0200	
Set													
Pressure Plate	0210	0210	0210	0210	0210	0210	0210	0210	0210	0210	0210	0210	4
Spring x 2	0211	0211	0211	0211	0211	0211	0211	0211	0211	0211	0211	0211	4
Top Cover	0300	0300	0300	0300	0300	0300	0300	0300	0300	0300	0300	0300	
Set													
Top Cover	0310	0310	0310	0310	0310	0310	0310	0310	0310	0310	0310	0310	14,16
Screw 0310/0010, 0011, 0012, 0013 x 6	0320	0320	0320	0320	0320	0320	0320	0320	0320	0320	0320	0320	4
Set													
Bracket	0330	0330	0330	0330	0330	0330	0330	0330	0330	0330	0330	0330	16

\* Die Cast Picture Frame  
\*\* Brass Plate Picture Frame

DESCRIPTION

III

IV

III-A

IV-S

IV-S2

II-D

II-F

II-S

NOMENCLATURE

	II-S	II-F	II-D	IV-S2	IV-S	III-A	IV	III	DESCRIPTION	
Body Case	0000	0000	-	0000	0000	-	-	-	Body Case with Flash Terminal for Die Cast Picture Frame (Assembly)	4
	-	-	-	-	0001	-	0001	-	Body Case with Flash Terminal for Brass Plate Picture Frame (Assembly)	
	0010	0010	-	0010	0010	-	-	-	Body Case for D.C.P.F.*	5
	-	-	0012	-	0011	-	0011	-	Body Case for B.P.P.F.**	
	-	-	-	-	-	0012	-	-	Body Case for D.C.P.F.*	
	-	-	-	-	-	0013	-	0013	Body Case for B.P.P.F.**	
	0090	0090	0090	0090	0090	0090	0090	0090	D-ring (Additional)	
Lens Mounting Flange	0100	0100	0100	0100	0100	0100	0100	0100	Set	
	0110	0110	0110	0110	0110	0110	0110	0110	Flange	4
	0111	0111	0111	0111	0111	0111	0111	0111	Washer	4
	0112	0112	0112	0112	0112	0112	0112	0112	Support Nut	4
	0113	0113	0113	0113	0113	0113	0113	0113	Support Nut	4
	0120	0120	0120	0120	0120	0120	0120	0120	Screw 0110/0010 x 4	4
Pressure Plate	0200	0200	0200	0200	0200	0200	0200	0200	Set	
	0210	0210	0210	0210	0210	0210	0210	0210	Pressure Plate	4
	0211	0211	0211	0211	0211	0211	0211	0211	Spring x 2	4
Top Cover	0300	0300	0300	0300	0300	0300	0300	0300	Set	
	0300A	0300A	0300A	0300A	-	-	-	-	Set (Improvement of 0300)	
	0310	0310	0310	0310	0310	0310	0310	0310	Top Cover	14,16
	0310A	0310A	0310A	0310A	-	-	-	-	Top Cover (Improvement of 0310)	14A,16A
	0320	0320	0320	0320	0320	0320	0320	0320	Screw 0310/0010, 0011, 0012, 0013 x 6	4
	0330	0330	0330	0330	0330	0330	0330	0330	Set	
	0330A	0330A	0330A	0330A	-	-	-	-	Set (Improvement of 0330)	
	0331	0331	0331	0331	0331	0331	0331	0331	Bracket	16

\* Die Cast Picture Frame  
\*\* Brass Plate Picture Frame

NOMENCLATURE    II-S   II-F   II-D   IV-S2   IV-S   III-A   IV   III    DESCRIPTION

0332   0332   0332   0332   0332   0332   0332   0332   0332    Washer  
0340   0340   0340   0340   0340   0340   0340   0340   0340    Sorew 0331/0310, 0311x2

16  
16

0350   0350   0350   0350   0350   0350   0350   0350   0350    Set

0351   0351   0351   0351   0351   0351   0351   0351   0351    Accessory Clip Base  
0360   0360   0360   0360   0360   0360   0360   0360   0360    Sorew 0351/0310x3

14  
14

Range View Finder Cover

0400   0400   0400   0400   0400   0400   0400   0400   0400    Set  
  
0410   0410   0410   0410   0410   0410   0410   0410   0410    Range View Finder Cover  
0411   0411   0411   0411   0411   0411   0411   0411   0411    Retainer Ring  
0420   0420   0420   0420   0420   0420   0420   0420   0420    Washer  
0430   0430   0430   0430   0430   0430   0430   0430   0430    Sorew 0410/0310x2  
0431   0431   0431   0431   0431   0431   0431   0431   0431    Sorew 0410/0331  
0432   0432   0432   0432   0432   0432   0432   0432   0432    Sorew 0410/0351

7  
7  
7  
7  
7  
7  
7

Base Plate Assembly

0500   0500   0500   0500   0500   0500   0500   0500   0500    Assembly  
  
0510   0510   0510   0510   0510   0510   0510   0510   0510    Base Plate  
0511   0511   0511   0511   0511   0511   0511   0511   0511    Handle  
0512   0512   0512   0512   0512   0512   0512   0512   0512    Stud  
0513   0513   0513   0513   0513   0513   0513   0513   0513    Lock  
\*0520   0520   0520   0520   0520   0520   0520   0520   0520    Magazine Opening Disk  
0530   0530   0530   0530   0530   0530   0530   0530   0530    Washer  
0531   0531   0531   0531   0531   0531   0531   0531   0531    Washer  
0540   0540   0540   0540   0540   0540   0540   0540   0540    Sorew 0511/0512x2  
0541   0541   0541   0541   0541   0541   0541   0541   0541    Stopper  
0542   0542   0542   0542   0542   0542   0542   0542   0542    Shaft for Look  
0543   0543   0543   0543   0543   0543   0543   0543   0543    Sorew 0521/0512

3  
3  
3  
3  
3  
3  
3  
3  
3  
3  
3  
3  
3  
3

\*0520   0520   0520   0520   0520   0520   0520   0520   0520    Magazine Opening Disk (Assembled)

3

0521   0521   0521   0521   0521   0521   0521   0521   0521    Base Plate  
0522   0522   0522   0522   0522   0522   0522   0522   0522    Spring

3  
3



NOMENCLATURE

DESCRIPTION

II-S II-F II-D IV-S2 IV-S III-A IV III

II-S	II-F	II-D	IV-S2	IV-S	III-A	IV	III	DESCRIPTION
0523	0523	0523	0523	0523	0523	0523	0523	Moving Plate
0524	0524	0524	0524	0524	0524	0524	0524	Magazine Opening Disk
0525	0525	0525	0525	0523	0523	0525	0525	Screw 0521/0524 x 4

Picture Frame & Bottom Plate

II-S	II-F	II-D	IV-S2	IV-S	III-A	IV	III	DESCRIPTION
0600	0600	0600	0600	0600	0600	0601	0601	Set for Die Cast Picture Frame
-	-	-	-	0601	0601	0601	0601	Set for Brass Plate Picture Frame
0610	0610	0610	0610	0610	0610	0611	0611	Die Cast Picture Frame
-	-	-	-	0611	0611	0611	0611	Brass Plate Picture Frame
0620	0620	0620	0620	0620	0620	0621	0621	Screw 0610/0310 x 4
-	-	-	-	0621	0621	0621	0621	Screw 0611/0310 x 4
0622	0622	0622	0622	0622	0622	0623	0623	Screw 0610/0010, 0012 x 3
-	-	-	-	0623	0623	0624	0624	Screw 0611/0011, 0013 x 3
0624	0624	0624	0624	0624	0624	0625	0625	Screw 0610/0010, 0012
-	-	-	-	0625	0625	0631	0631	Screw 0611/0011, 0013
0630	0630	0630	0630	0630	0630	0631	0631	Bottom Plate for D.C.P.F.*
-	-	-	-	0631	0631	0640	0640	Bottom Plate for B.P.P.F.**
0640	0640	0640	0640	0640	0640	0641	0641	Screw 0630/0610 x 5
-	-	-	-	0641	0641	0642	0642	Screw 0631/0611 x 5
0642	0642	0642	0642	0642	0642	0643	0643	Screw 0630/0610
-	-	-	-	0643	0643	0643	0643	Screw 0631/0611

II-S	II-F	II-D	IV-S2	IV-S	III-A	IV	III	DESCRIPTION
-	-	-	-	0650	0650	0651	0651	Set
0652	0652	0652	0652	0652	0652	0653	0653	Set
-	-	-	-	0653	0653	0654	0654	Bottom Plate Cover
0654	0654	0654	0654	0654	0654	0660	0660	Film Loading Guide
0660	0660	0660	0660	0660	0660	0661	0661	Film Loading Guide
0661	0661	0661	0661	0661	0661	0661	0661	Screw 0652/0630 x 2
-	-	-	-	0661	0661	0661	0661	Screw 0000/0000

II-S	II-F	II-D	IV-S2	IV-S	III-A	IV	III	DESCRIPTION
0670	0670	0670	0670	0670	0670	0670	0670	Set
0671	0671	0671	0671	0671	0671	0671	0671	Look Holder
0680	0680	0680	0680	0680	0680	0680	0680	Screw 0671/0630, 0631 x 2

\* Die Cast Picture Frame  
\*\* Brass Plate Picture Frame



DESCRIPTION

III

IV

III-A

IV-S

IV-S2

II-D

II-F

II-S

NOMENCLATURE

1013 Contact Spring 5  
 1014 Insulator Plate 5  
 1015 Insulator Plate 5  
 1016 Insulator Ring×2 5  
 1020 Washer 5  
 1030 Screw 1010/1010, 0011×4 5  
 1031 Screw 1013/0010, 0011×2 5

High-Speed Circuit 1100 - - 1100 - - - - - Assembly  
 - - - - - 1101 - - - - - Assembly  
 - 1102 - - - - - Assembly

1110 Insulator Base 6  
 1111 Contact 6  
 1112 Contact 6  
 - 1113 Contact 6  
 1114 Terminal 6  
 1115 Terminal 6  
 - 1116 Terminal 6  
 1120 Screw 1111, 1112, 1113/1110×4 6  
 1121 Screw 1110/0630, 0631×2 6

1130 1130 - 1130 1130 - 1130 - Set  
 1131 1131 - 1131 1131 - 1131 - High Speed Circuit Lever  
 1132 1132 - 1132 1132 - 1132 - Screw  
 1140 1140 - 1140 1140 - 1140 - Washer

Slow Speed Circuit 1200 - - 1200 - - - - - Assembly  
 1210 - - 1210 - - - - - Base  
 1211 - - 1211 - - - - - X-Contact  
 1220 - - 1220 - - - - - Screw 1211/1210

DESCRIPTION

NOMENCLATURE II-S II-F II-D IV-S2 IV-S III-A IV III

-	-	-	-	-	-	-	-	-	-	Set	
-	-	-	-	-	-	-	-	-	-	Slow Speed Contact Lever	
-	-	-	-	-	-	-	-	-	-	Spring	
-	-	-	-	-	-	-	-	-	-	Screw	
-	-	-	-	-	-	-	-	-	-	Stopper	
-	-	-	-	-	-	-	-	-	-	Washer	

Safety Circuit	1300	1300	-	1300	-	1301	-	1301	-	Assembly	
										Assembly	
	1310	1310	-	1310	-	-	-	-	-	Insulator Base	6
										Insulator Base	6
	1312	1312	-	1312	-	1311	-	1311	-	Contact	6
	1313	1313	-	1313	-	1312	-	1312	-	Contact	6
	1314	1314	-	1314	-	1313	-	1313	-	Terminal	6
										Contact	6
	1320	1320	-	1320	-	1315	-	1315	-	Screw 1312, 1313, 1314, 1315/1310, 1311x3	6
										Screw 1310, 1311/0630, 0651x2	6
	1321	1321	-	1321	-	1321	-	1321	-		

Circuit Selector	-	-	-	1400	1400	-	1400	-	1400	Assembly	
	1410	-	-	1410	1410	-	1410	-	1410	Insulator Base	7
	1411	-	-	1411	1411	-	1411	-	1411	Contact	7
	1420	-	-	1420	1420	-	1420	-	1420	Screw 1411/1410x2	7
	1421	-	-	1421	1421	-	1421	-	1421	Screw 1410/0610, 0611x2	7

Lead Wire	1500	1500	-	1500	1500	-	1500	-	1500	Lead Wire	
-----------	------	------	---	------	------	---	------	---	------	-----------	--

Range-View Finder	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	Range View Finder (Assembly)
	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100	Range View Finder Optical System (Assembly)
												9.10





DESCRIPTION

III

IV

III-A

IV-S

IV-S2

II-D

II-F

NOMENCLATURE

Screw 2133/2131x2  
Screw 2133/2132

2141 2141  
2142 2142

2141 2141  
2142 2142

2141 2141  
2142 2142

2141 2141  
2142 2142

2141 2141  
2142 2142

2141 2141  
2142 2142

Moving Prism Arm (Assembly)

2150 2150

2150 2150

2150 2150

2150 2150

2150 2150

2150 2150

Arm  
Lockplate Pin x 2  
Prism Supporter  
Moving Prism  
Look Plate  
Adjusting Screw  
Washer  
Look Screw  
Screw 2155/2152x2

2151 2151  
2152 2152  
2153 2153  
2154 2154  
2155 2155  
2156 2156  
2160 2160  
2165 2165  
2166 2166

2151 2151  
2152 2152  
2153 2153  
2154 2154  
2155 2155  
2156 2156  
2160 2160  
2165 2165  
2166 2166

2151 2151  
2152 2152  
2153 2153  
2154 2154  
2155 2155  
2156 2156  
2160 2160  
2165 2165  
2166 2166

2151 2151  
2152 2152  
2153 2153  
2154 2154  
2155 2155  
2156 2156  
2160 2160  
2165 2165  
2166 2166

2151 2151  
2152 2152  
2153 2153  
2154 2154  
2155 2155  
2156 2156  
2160 2160  
2165 2165  
2166 2166

2151 2151  
2152 2152  
2153 2153  
2154 2154  
2155 2155  
2156 2156  
2160 2160  
2165 2165  
2166 2166

Focusing Roller (Assembly)

2200 2200

2200 2200

2200 2200

2200 2200

2200 2200

2200 2200

Range Finder Cam  
Focusing Roller  
Bearing  
Washer  
Washer  
Screw 2211/2210

2210 2210  
2211 2211  
2212 2212  
2220 2220  
2221 2221  
2230 2230

2210 2210  
2211 2211  
2212 2212  
2220 2220  
2221 2221  
2230 2230

2210 2210  
2211 2211  
2212 2212  
2220 2220  
2221 2221  
2230 2230

2210 2210  
2211 2211  
2212 2212  
2220 2220  
2221 2221  
2230 2230

2210 2210  
2211 2211  
2212 2212  
2220 2220  
2221 2221  
2230 2230

2210 2210  
2211 2211  
2212 2212  
2220 2220  
2221 2221  
2230 2230

Take-up Shaft

3000 3000

3000 3000

3000 3000

3000 3000

3000 3000

3000 3000

Winding Knob (Assembly)  
Winding Knob  
Spindle (Assembly)  
Bearing  
Collar  
Indicator Diso  
Spring  
Clutch Spring  
Retainer Ring  
Look Plate  
Washer

3010 3010  
3040 3040  
3060 3060  
3061 3061  
3062 3062  
3063 3063  
3064 3064  
3065 3065  
3066 3066  
3070 3070

3010 3010  
3040 3040  
3060 3060  
3061 3061  
3062 3062  
3063 3063  
3064 3064  
3065 3065  
3066 3066  
3070 3070

3010 3010  
3040 3040  
3060 3060  
3061 3061  
3062 3062  
3063 3063  
3064 3064  
3065 3065  
3066 3066  
3070 3070

3010 3010  
3040 3040  
3060 3060  
3061 3061  
3062 3062  
3063 3063  
3064 3064  
3065 3065  
3066 3066  
3070 3070

3010 3010  
3040 3040  
3060 3060  
3061 3061  
3062 3062  
3063 3063  
3064 3064  
3065 3065  
3066 3066  
3070 3070

3010 3010  
3040 3040  
3060 3060  
3061 3061  
3062 3062  
3063 3063  
3064 3064  
3065 3065  
3066 3066  
3070 3070







DESCRIPTION

III

IV

III-A

IV-S

IV-S2

II-D

II-F

II-S

NOMENCLATURE

DIAGRAM SHEET NO.	DESCRIPTION	III	IV	III-A	IV-S	IV-S2	II-D	II-F	II-S	DIAGRAM SHEET NO.
	Rewinding Shaft & Magnifying Lever									
	Set		3501	3500	3500	3500	3500	3500	3500	
	Set									
	Magazine Stopper	3510	3510	3510	3510	3510	3510	3510	3510	9
	Bearing	3511	3511	3511	3511	3511	3511	3511	3511	9
	Spring	3512	3512	3512	3512	3512	3512	3512	3512	9
	Clutch Fork	3513	3513	3513	3513	3513	3513	3513	3513	9
	Seotor	3514	3514	3514	3514	3514	3514	3514	3514	9
	Magnifying Lever	3515	3515	3515	3515	3515	3515	3515	3515	7, 9
	Nut	3516	3516	3516	3516	3516	3516	3516	3516	7, 9
	Shaft Collar	3517	3517	3517	3517	3517	3517	3517	3517	7, 9
	Sorew Key	3518	3518	3518	3518	3518	3518	3518	3518	7, 9
	Rewinding Shaft	3519	3519	3519	3519	3519	3519	3519	3519	7, 9
	Rewinding Knob	3520	3520	3520	3520	3520	3520	3520	3520	7, 9
	Rewinding Knob									
	Washer	3530	3530	3530	3530	3530	3530	3530	3530	9
	Washer	3531	3531	3531	3531	3531	3531	3531	3531	9
	Washer	3532	3532	3532	3532	3532	3532	3532	3532	9
	Sorew 3510, 3511/0310 x 3	3540	3540	3540	3540	3540	3540	3540	3540	9
	Shutter Drum Shaft									
	Set	4001	4001	4001	4000	4000	4000	4000	4000	
	Set									
	Bearing	4010	4010	4010	4010	4010	4010	4010	4010	17
	Sleeve Bearing	4011	4011	4011	4011	4011	4011	4011	4011	17
	Nut	4012	4012	4012	4012	4012	4012	4012	4012	17
	Eoentric	4013	4013	4013	4013	4013	4013	4013	4013	17
	Shutter Drum	4020	4020	4020	4020	4020	4020	4020	4020	17
	High Speed Dial									7, 12, 17
	High Speed Dial	4031	4031	4031	4030	4030	4030	4030	4030	
	Shutter Speed Change Diso									12, 17
	Shutter Speed Change Diso	4033	4033	4033	4032	4032	4032	4032	4032	
	2nd Curtain Release Arm	4034	4034	4034	4034	4034	4034	4034	4034	12, 17
	Spring	4035	4035	4035	4035	4035	4035	4035	4035	12, 17
	Sorew	4036	4036	4036	4036	4036	4036	4036	4036	12, 17
	Turning Diso	4040	4040	4040	4040	4040	4040	4040	4040	13, 17
	Turning Diso									
	Washer	4050	4050	4050	4050	4050	4050	4050	4050	17
	Washer	4051	4051	4051	4051	4051	4051	4051	4051	17
	Washer	4052	4052	4052	4052	4052	4052	4052	4052	12, 17
	Washer	4053	4053	4053	4053	4053	4053	4053	4053	13, 17
	Washer	4054	4054	4054	4054	4054	4054	4054	4054	13, 17
	Set Sorew 4013/4011	4060	4060	4060	4060	4060	4060	4060	4060	17
	Set Sorew 4030/4034 x 3	4061	4061	4061	4061	4061	4061	4061	4061	7, 12, 17

DESCRIPTION

II-S II-F II-D IV-S2 IV-S III-A IV III

NOMENCLATURE	II-S	II-F	II-D	IV-S2	IV-S	III-A	IV	III	
Rewinding Shaft & Magnifying Lever	3500	3500	3500	3500	3500	3500			Set
	3510	3510	3510	3510	3510	3510	3501	3501	Set
	3511	3511	3511	3511	3511	3511	3510	3510	Magazine Stopper
	3512	3512	3512	3512	3512	3512	3511	3511	Bearing
	3513	3513	3513	3513	3513	3513	3512	3512	Spring
	3514	3514	3514	3514	3514	3514	3513	3513	Clutch Fork
	3515	3515	3515	3515	3515	3515	3514	3514	Seotor
	3516	3516	3516	3516	3516	3516	3515	3515	Magnifying Lever
	3517	3517	3517	3517	3517	3517	3516	3516	Nut
	3518	3518	3518	3518	3518	3518	3517	3517	Shaft Collar
	3519	3519	3519	3519	3519	3519	3518	3518	Screw Key
	3520	3520	3520	3520	3520	3520	3519	3519	Rewinding Shaft
	3530	3530	3530	3530	3530	3530	3521	3521	Rewinding Knob
	3531	3531	3531	3531	3531	3531	3521	3521	Rewinding Knob
	3532	3532	3532	3532	3532	3532	3530	3530	Washer
	3540	3540	3540	3540	3540	3540	3531	3531	Washer
							3532	3532	Washer
							3540	3540	Screw 3510, 3511/0310 x 3
							3540	3540	

NOMENCLATURE	II-S	II-F	II-D	IV-S2	IV-S	III-A	IV	III	
Shutter Drum Shaft	4001	4001	4001	4000	4000	4000	4000	4000	Set (1.7mm Set Screw)
	4001A	4001A	4001A	4000A	4000A	4000A	4000	4000	Set (1.7mm Set Screw)
	4010	4010	4010	4010	4010	4010	4010	4010	Set (2mm Set Screw) (Improvement of 4000)
	4011	4011	4011	4011	4011	4011	4011	4011	Set (2mm Set Screw) (Improvement of 4001)
	4012	4012	4012	4012	4012	4012	4012	4012	Bearing
	4013	4013	4013	4013	4013	4013	4013	4013	Sleeve Bearing
	4020	4020	4020	4020	4020	4020	4020	4020	Eccentric
									Shutter Drum
									High Speed Dial (1.7mm Set Screw)
									High Speed Dial (2mm Set Screw)
									(Improvement of 4030)
									High Speed Dial (1.7mm Set Screw)
									High Speed Dial (2mm Set Screw)
									(Improvement of 4031)
									Shutter Speed Change Diso
									Shutter Speed Change Diso
									2nd Curtain Release Arm
									Spring
									Screw
									Turning Diso
									Turning Diso
									Washer
									Washer
									Washer
									Washer
									Washer
									Set Screw 4013/4011
									Set Screw 4030/4034 x 3 (1.7mm)
									Set screw 4030A, 4031A/4034 x 3 (2mm)







DESCRIPTION

III

IV

III-A

IV-S

IV-S2

II-D

II-F

II-S

NOMENCLATURE

II-S	II-F	II-D	IV-S2	IV-S	III-A	IV	III	DESCRIPTION	DIAGRAM SHEET NO.
4412	4412	4412	-	-	4412	-	4412	Slow Speed Dial (Assembly)	
4420	-	-	4420	-	-	-	-	Slow Speed Dial	4
-	4421	-	4421	4421	4421	4421	4421	Slow-Speed Dial	
4422	-	-	4422	-	-	-	-	Click Stop Spring	4
-	4423	4423	-	4423	4423	4423	4423	Click Stop Spring	
4424	-	-	4424	-	-	-	-	Baseplate	4
-	4425	4425	-	4425	4425	4425	4425	Baseplate	
4426	4426	4426	4426	4426	4426	4426	4426	Washer	4
4427	4427	4427	4427	4427	4427	4427	4427	Knob	4
4428	4428	4428	4428	4428	4428	4428	4428	Nut	4
4429	4429	4429	4429	4429	4429	4429	4429	Pin	4
*4430	-	-	4430	4430	-	4430	-	Slow Shutter Cam (Assembly)	4
-	4431	4431	-	4431	-	4431	-	Slow Shutter Cam (Assembly)	
4440	4440	4440	4440	4440	4440	4440	4440	Washer	4
4450	4450	4450	4450	4450	4450	4450	4450	Set Screw 4427/4420, 4421	4
4451	4451	4451	4451	4451	4451	4451	4451	Screw 4427, 4425/0010, 0011, 0012, 0013 x 3	4

*4430	-	4430	4430	4430	4430	4430	4430	Slow Shutter Cam (Assembly)	4
-	4431	4431	-	4431	-	4431	-	Slow Shutter Cam (Assembly)	
4432	-	-	4432	4432	-	4432	-	Cam	4
-	4433	4433	-	4433	-	4433	-	Cam	
4434	4434	4434	4434	4434	4434	4434	4434	Sleeve	4
4435	4435	4435	4435	4435	4435	4435	4435	Nut	4
4436	4436	4436	4436	4436	4436	4436	4436	Screw	4

II-S	II-F	II-D	IV-S2	IV-S	III-A	IV	III	DESCRIPTION	DIAGRAM SHEET NO.
4460	4460	4460	4460	4460	4460	4460	4460	Set	
4461	4461	4461	4461	4461	4461	4461	4461	Slow Timing Shaft	12
4462	4462	4462	4462	4462	4462	4462	4462	Nut	12
4463	4463	4463	4463	4463	4463	4463	4463	Lever	12
4464	4464	4464	4464	4464	4464	4464	4464	Bearing	12
4465	4465	4465	4465	4465	4465	4465	4465	Spring	12
4466	4466	4466	4466	4466	4466	4466	4466	Nut	12
4467	4467	4467	4467	4467	4467	4467	4467	Plate Spring	12
4468	4468	4468	4468	4468	4468	4468	4468	Stopper	12
4470	4470	4470	4470	4470	4470	4470	4470	Washer x 2	12
4480	4480	4480	4480	4480	4480	4480	4480	Screw 4464/0310	12
4481	4481	4481	4481	4481	4481	4481	4481	Screw 4467/0630	12

DIAGRAM  
SHEET NO.

<u>NOMENCLATURE</u>	<u>II-S</u>	<u>II-F</u>	<u>II-D</u>	<u>IV-S2</u>	<u>IV-S</u>	<u>III-A</u>	<u>IV</u>	<u>III</u>	<u>DESCRIPTION</u>
	4482	4482	4482	4482	4482	4482	4482	4482	Screw 4400, 4467/0630
	4483	4483	4483	4483	4483	4483	4483	4483	Screw 4400/0630

12  
12

<u>Shutter Curtain</u>	4500	4511	4511	4500	4500	4500	4500	4500	4500	<u>Shutter Curtain (Set)</u>
	4510	4500	4500	4510	4510	4510	4510	4510	4510	1st Shutter Curtain
	4511	4510	4510	4511	4511	4511	4511	4511	4511	2nd Shutter Curtain

19  
19

This manual deals with the method of repairing and servicing Canon Camera with Body Serial Numbers of 200,000 and above. With a number of improvements embodied in their internal mechanisms, these Canon Cameras contain numerous new parts as well as constructional changes. This volume illustrates these changes and gives a list of parts.

Some of the major improvements as compared with Canon Cameras having Body Serial Numbers below 200,000 are as follows:

1. Shutter speed of 1/15 sec. added.
2. Shutter speed series rationalized.
3. High Speed Shutter Dial improved.
4. Flash Synchronizer improved.
5. Range-view finder brighten.
6. Indicator for loaded film length (exposures).

Note: To unbind this manual, press the both levers of the binder with a twist; to close the binder just exert pressure on it.

## INDEX

### Section I

EXPLODED VIEW OF CANON CAMERA  
BODY

### Section II

CAMERA MODELS AND PARTS LIST

TECHNICAL DEPARTMENT  
CANON CAMERA COMPANY, INC.  
TOKYO, JAPAN

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Section I  
EXPLODED VIEW  
of  
CANON CAMERA BODY, MODEL IV-S2  
with SERIAL NUMBER ABOVE 200,000

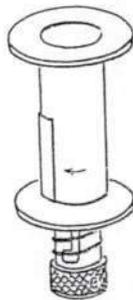
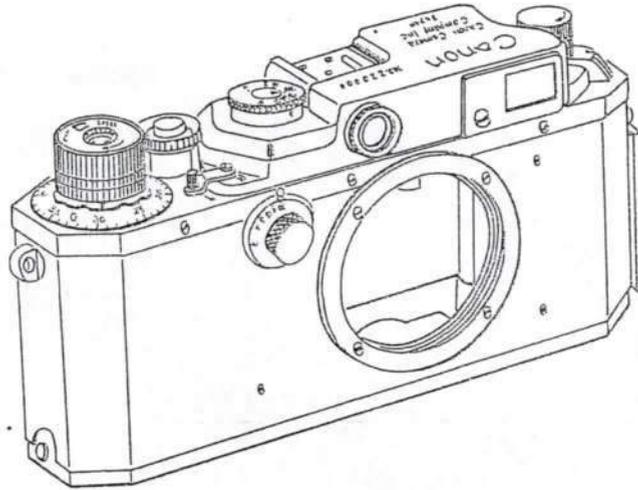
These diagrams show you the correct procedure for disassembling and assembling the Canon Camera Body. They also indicate parts numbers.

CONTENTS

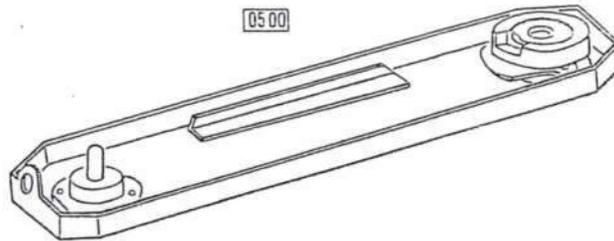
1. ASSEMBLED CAMERA BODY, TAKE-UP SPOOL, and BASEPLATE	SHEET No. 1
2. BOTTOM PLATE COVER	No. 2
3. BASEPLATE	No. 3
4. CAMERA MECHANISM REMOVED FROM BODY CASE	No. 4
5. FLASH BRACKET	No. 5
6. FLASH SYNCHRONIZER	No. 6
7. RANGE-VIEWFINDER	No. 7
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9. FILM REWINDING and RANGE-VIEWFINDER	No. 9
10. RANGE-VIEWFINDER	No. 10
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20. SHUTTER SHAFTS and SPRINGS	No. 20

EXPLODED VIEW  
of  
CANON CAMERA BODY MODEL IV-S2  
WITH SERIAL NUMBER ABOVE 200,000

SHEET No. 1

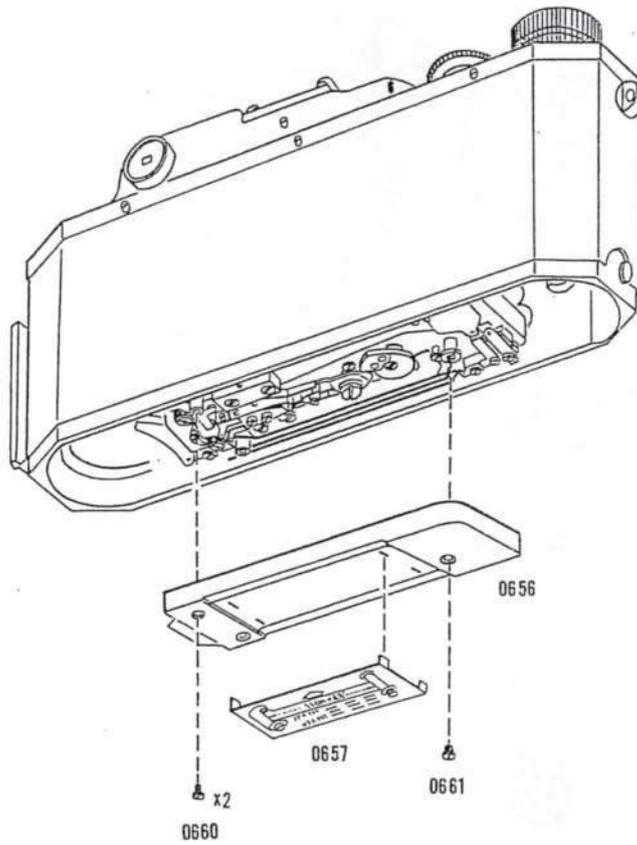


0500



EXPLODED VIEW  
of  
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WITH SERIAL NUMBER ABOVE 200,000

SHEET No. 2



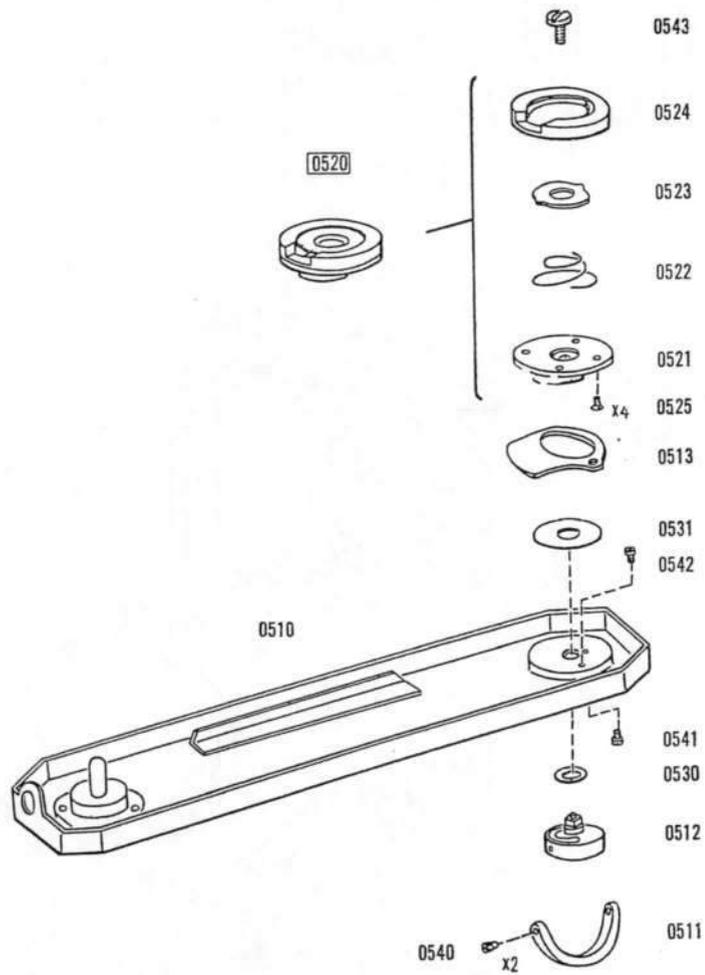
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CANON CAMERA CO., INC.

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of  
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WITH SERIAL NUMBER ABOVE 200,000

SHEET No. 3



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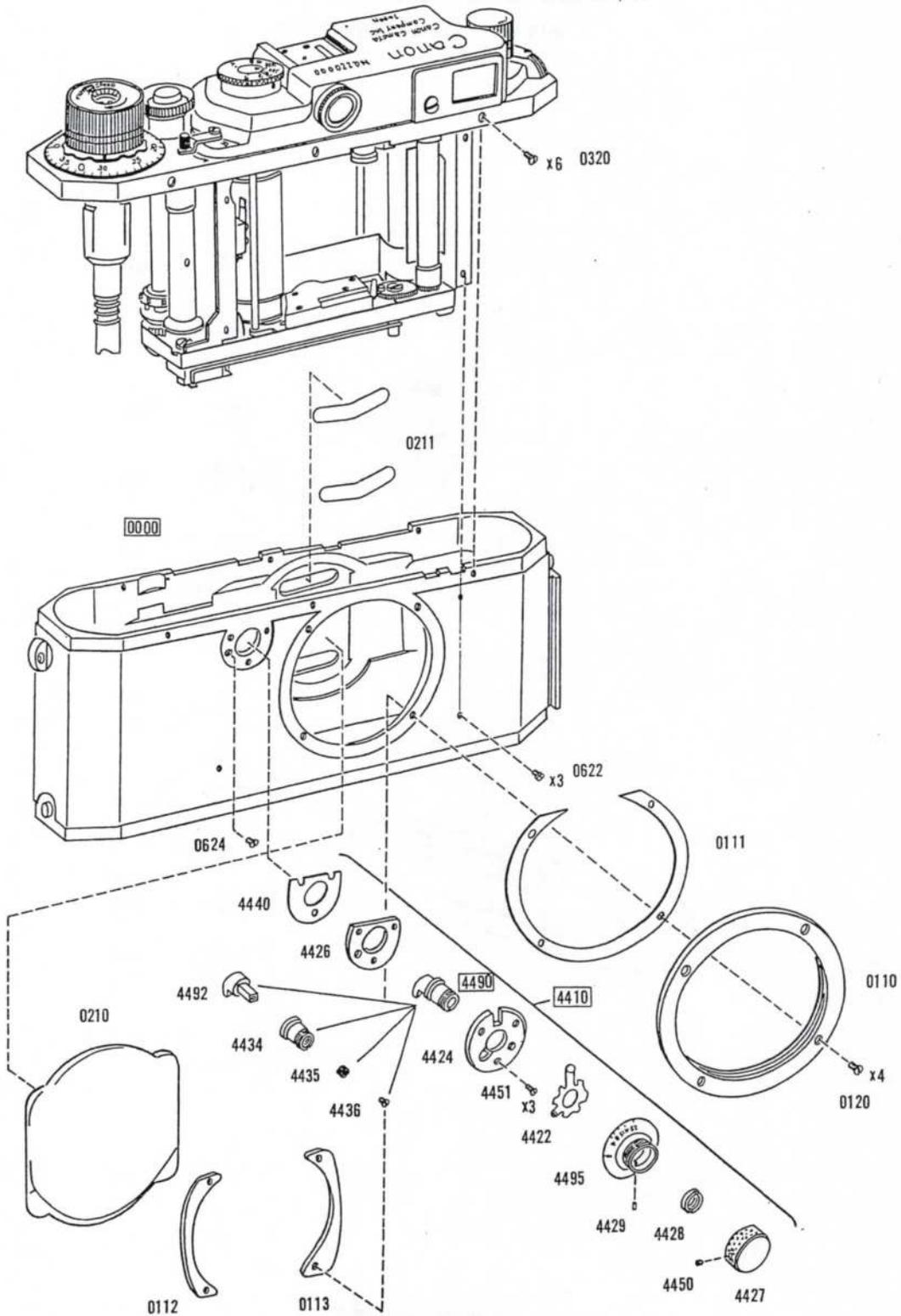
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EXPLODED VIEW

SHEET No. 4

of  
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WITH SERIAL NUMBER ABOVE 200,000



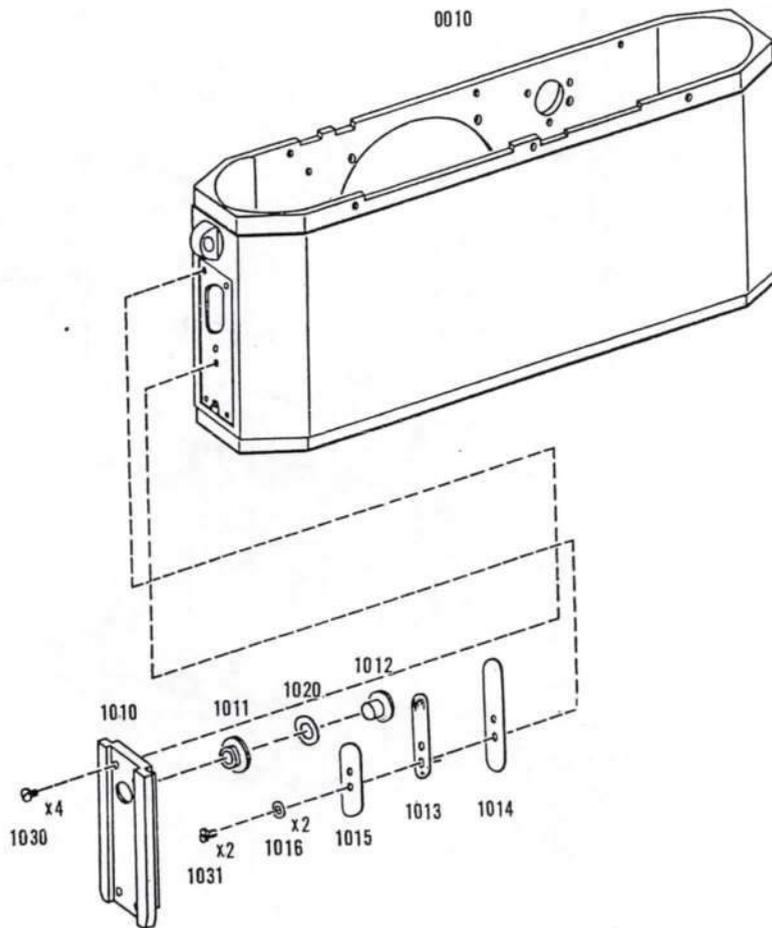
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SHEET No. 5



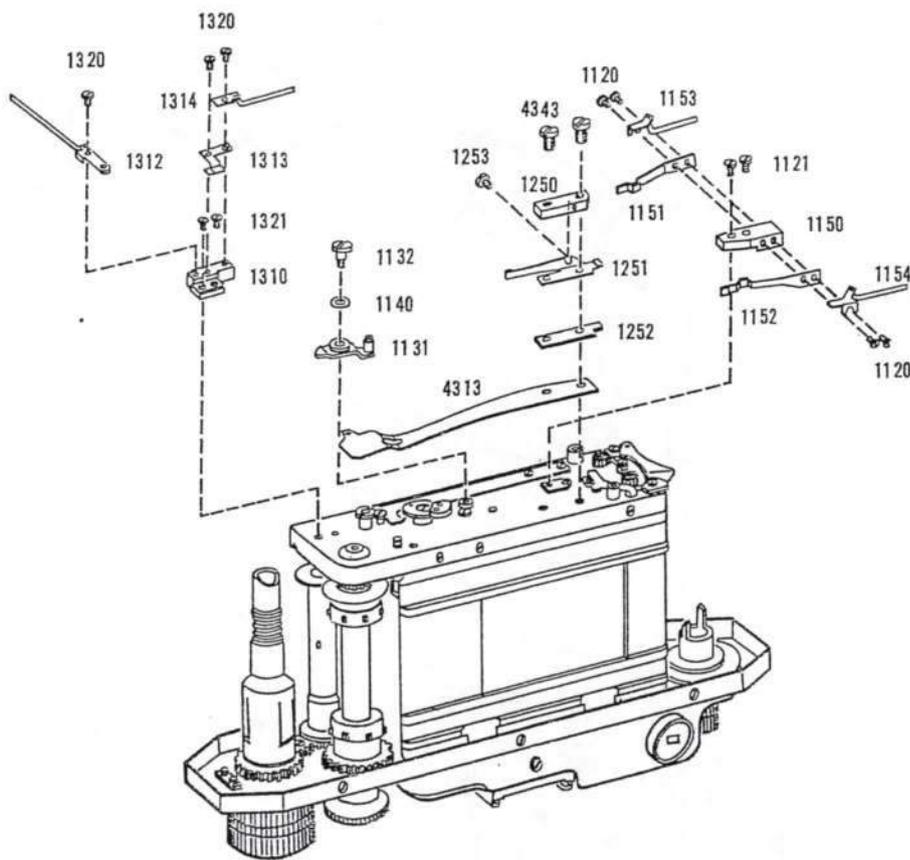
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SHEET No. 6



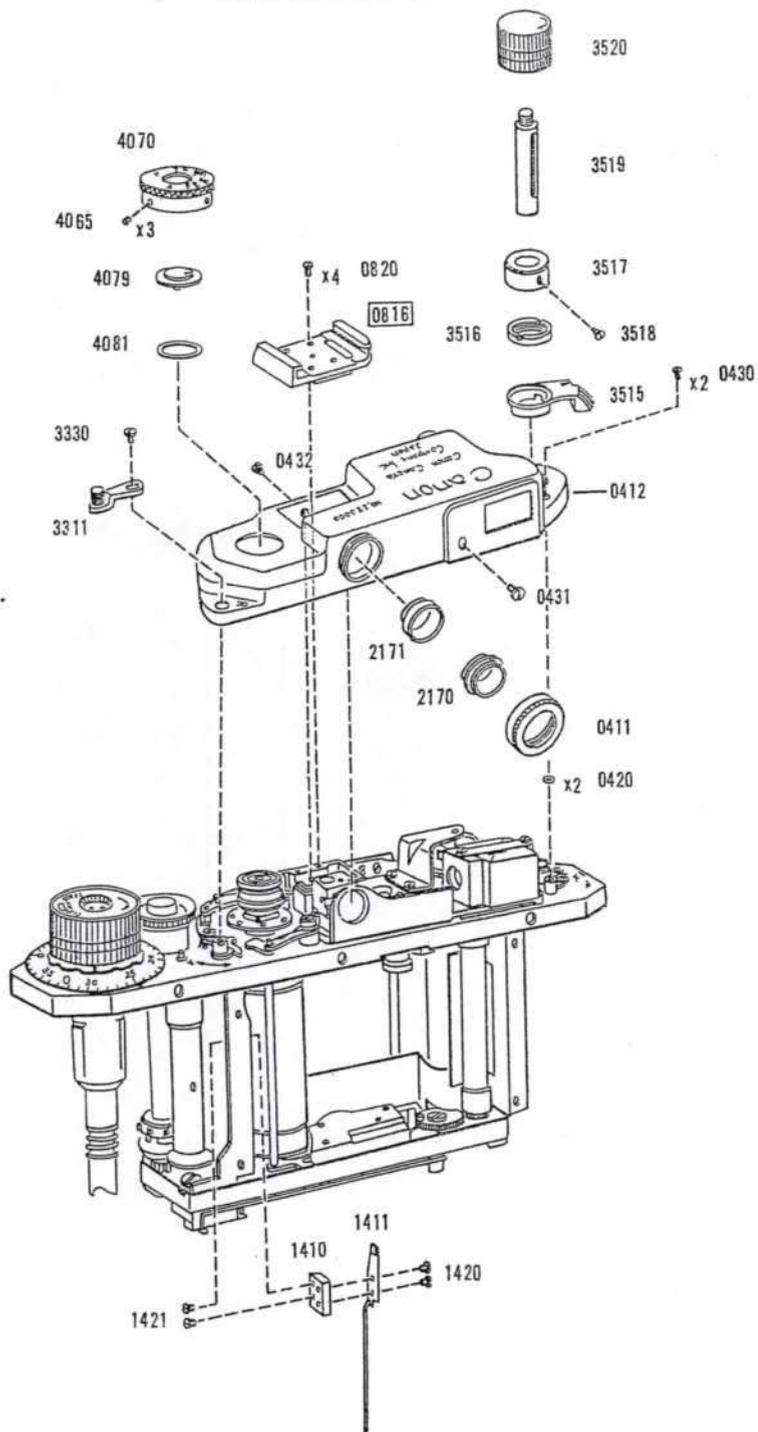
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WITH SERIAL NUMBER ABOVE 200,000

SHEET No. 7



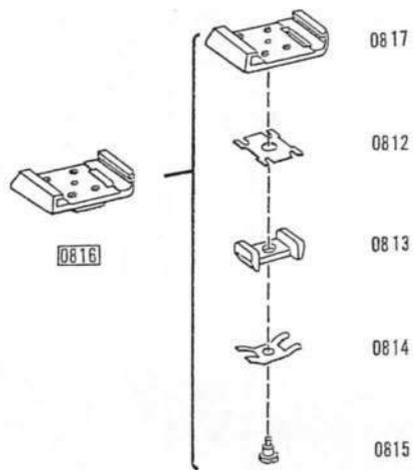
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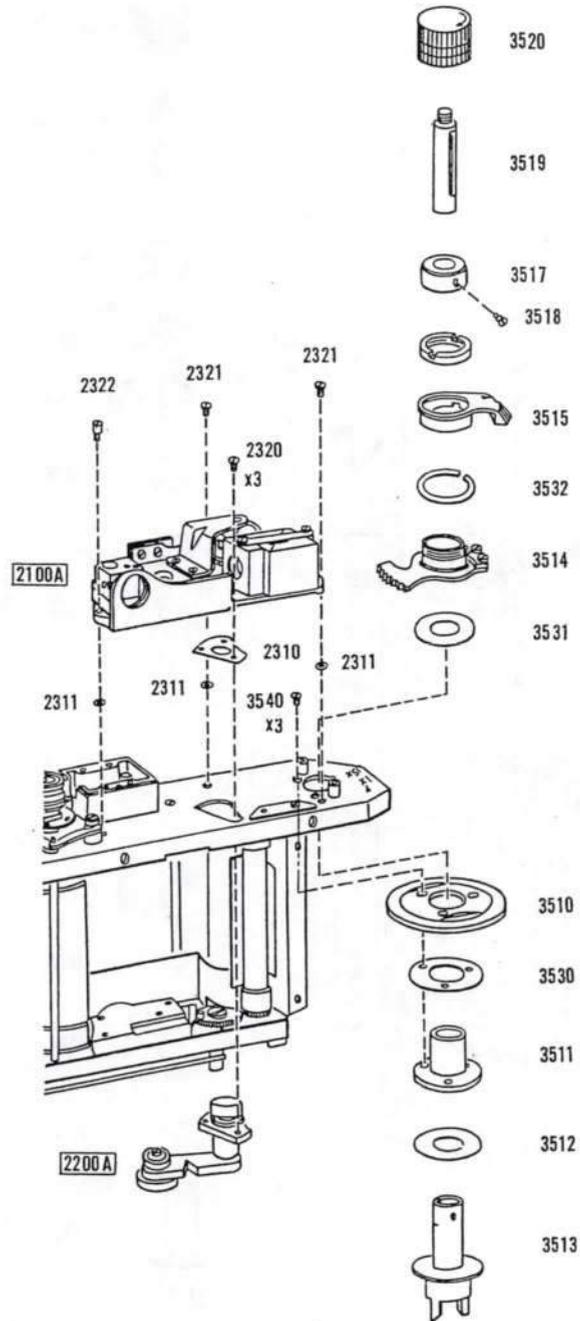
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CANON CAMERA BODY MODEL IV-S2  
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SHEET No. 8



EXPLODED VIEW  
of  
**CANON CAMERA BODY MODEL IV-S2**  
WITH SERIAL NUMBER ABOVE 200,000

SHEET No. 3



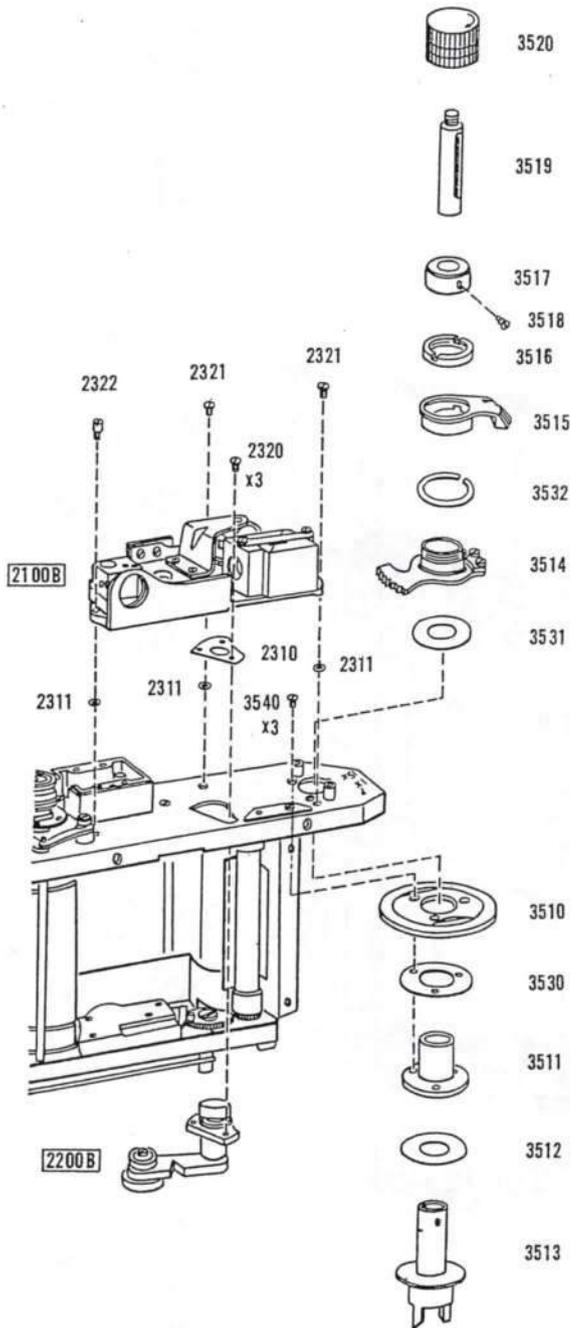
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SHEET No. 9A



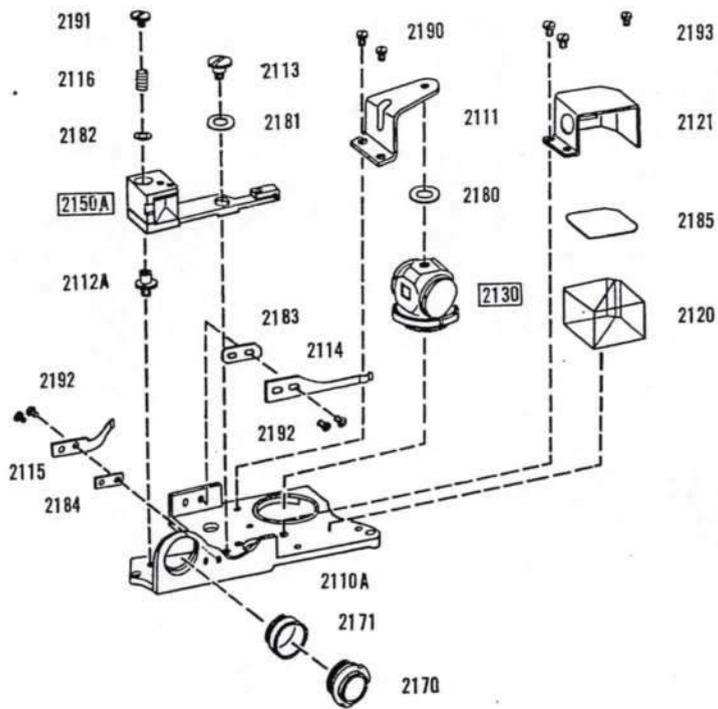
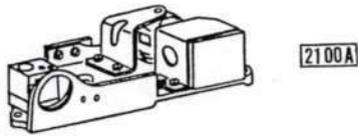
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SHEET No. 10



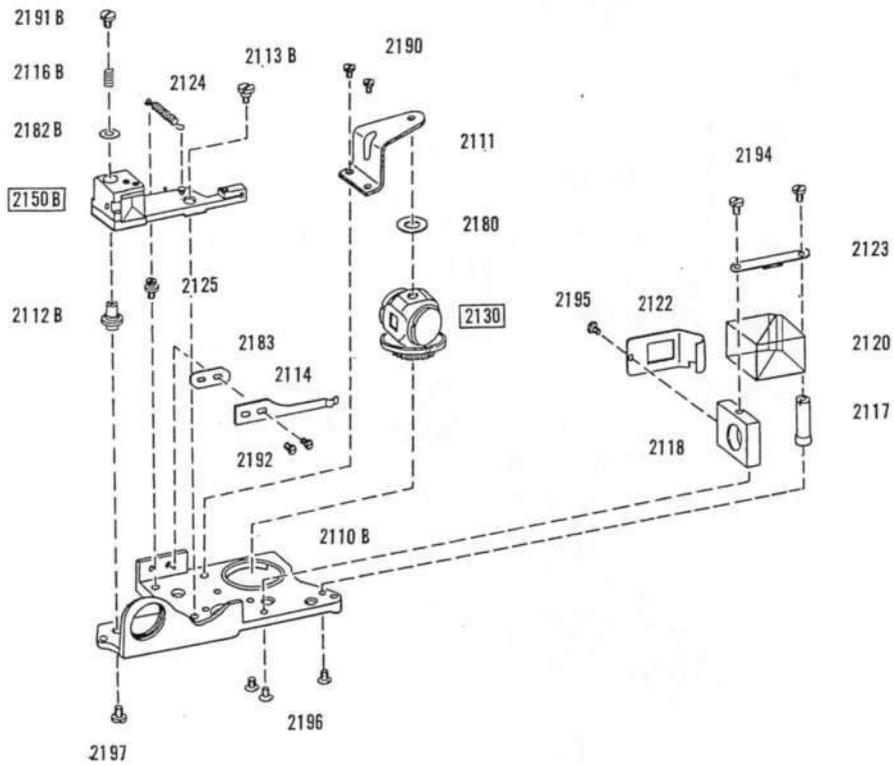
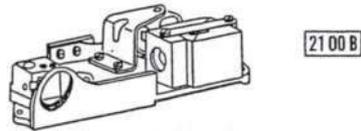
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EXPLODED VIEW  
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SHEET No. 10 A



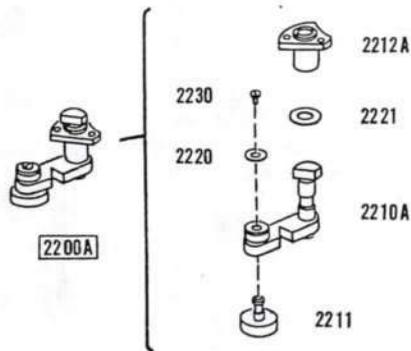
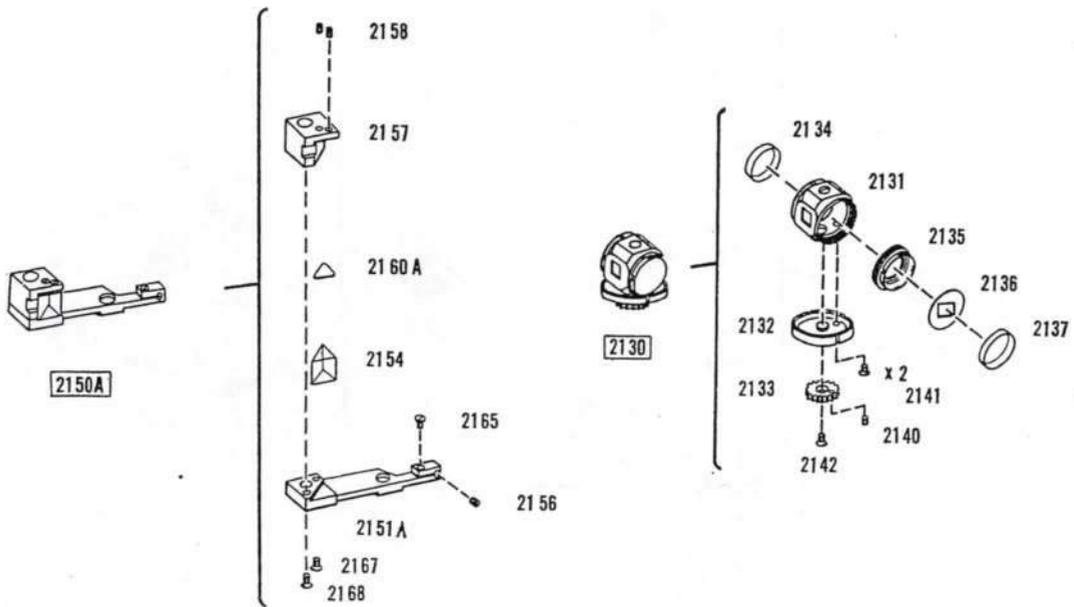
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EXPLODED VIEW  
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WITH SERIAL NUMBER ABOVE 200,000

SHEET No. 11



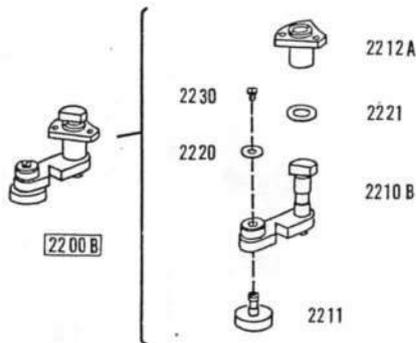
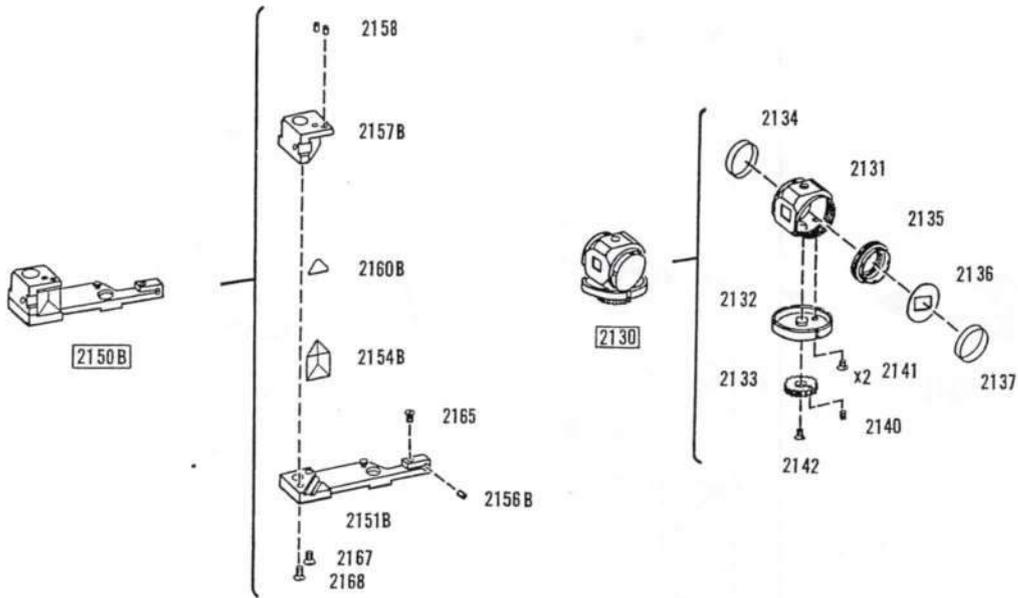
JUNE 1956

TECHNICAL ENGINEERING DEPT.  
CANON CAMERA CO., INC.

REFERENCE NO. C-10310

EXPLODED VIEW  
of  
**CANON CAMERA BODY MODEL IV-S2**  
WITH SERIAL NUMBER ABOVE 200,000

SHEET No. 11 A



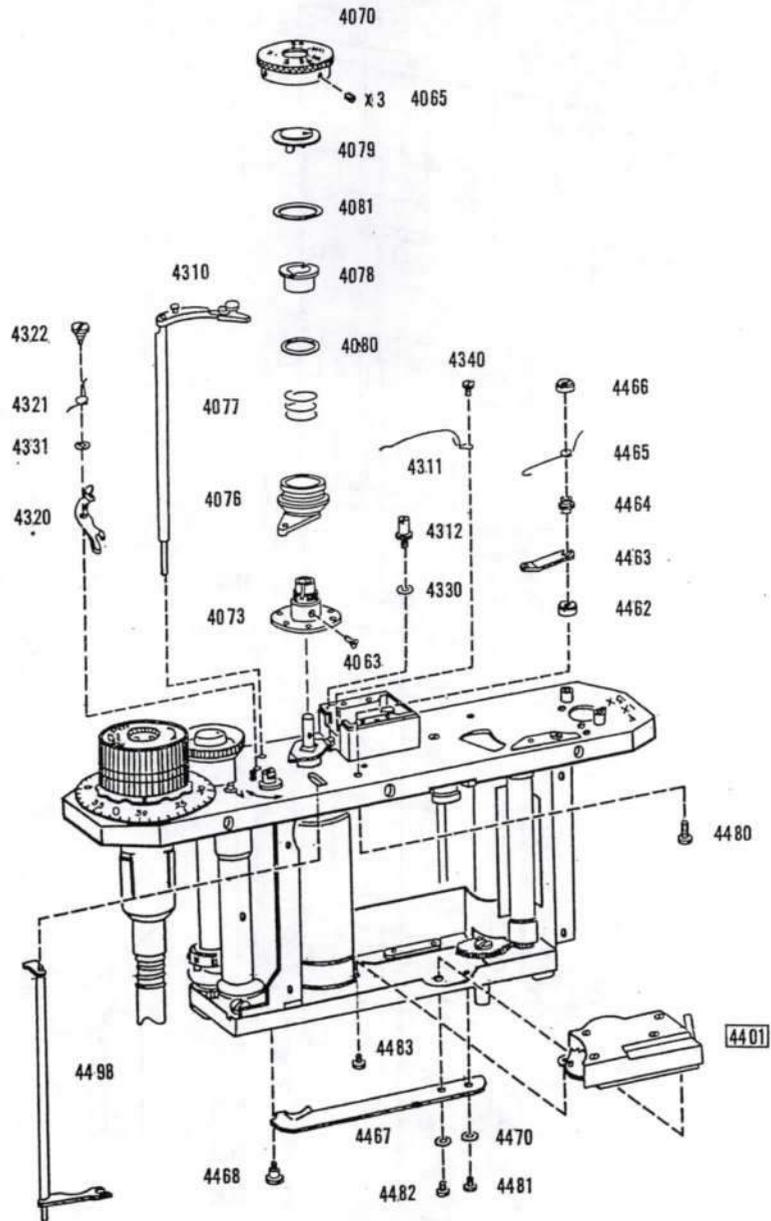
JUNE 1956

TECHNICAL ENGINEERING DEPT.  
CANON CAMERA CO., INC.

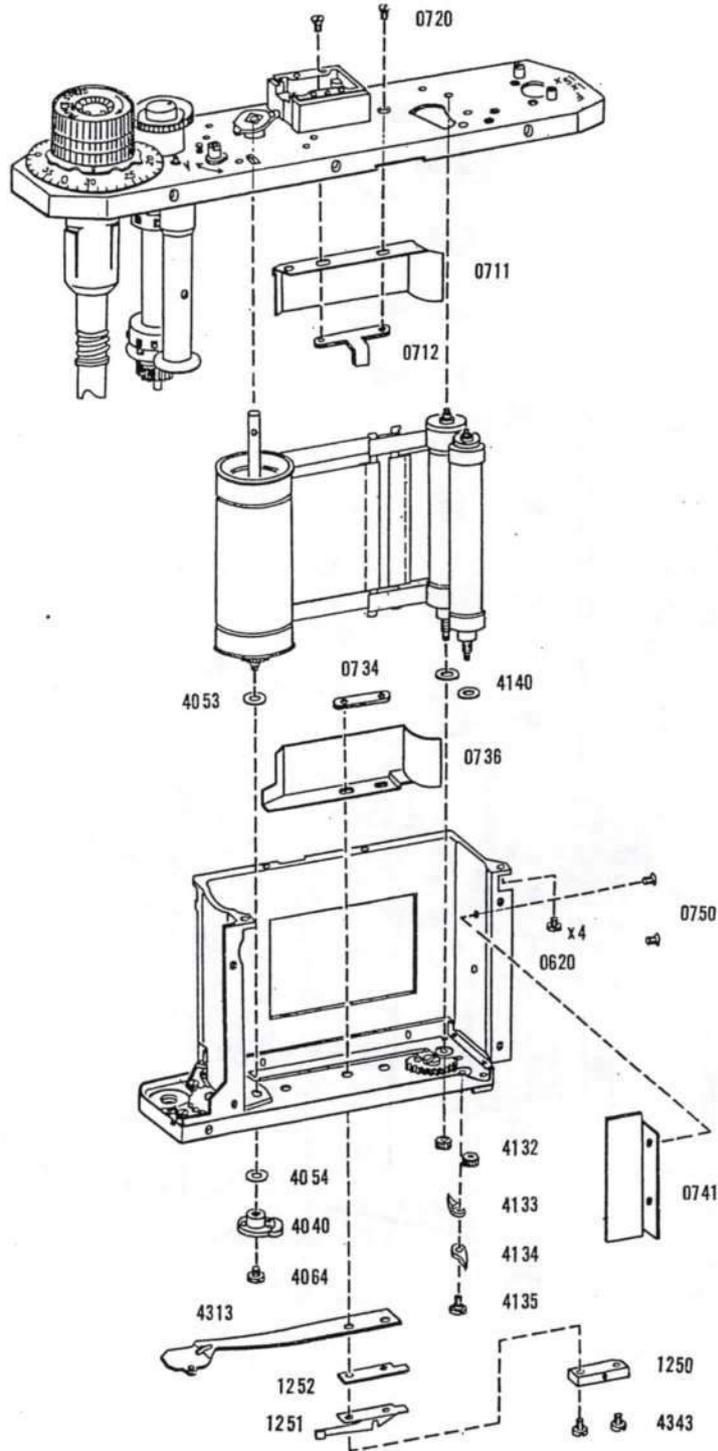
REFERENCE NO. C-10310

EXPLODED VIEW  
of  
**CANON CAMERA BODY MODEL IV-S2**  
WITH SERIAL NUMBER ABOVE 200,000

SHEET No. 12

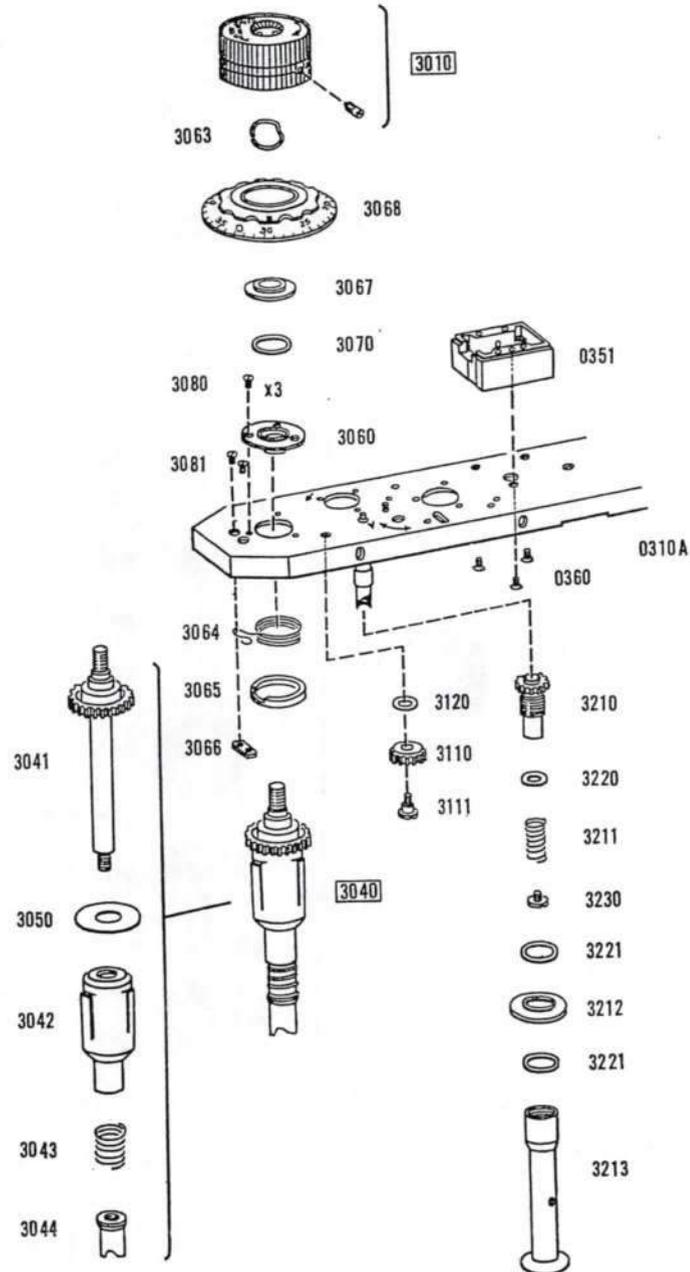


EXPLODED VIEW  
of  
CANON CAMERA BODY MODEL IV-S2  
WITH SERIAL NUMBER ABOVE 200,000



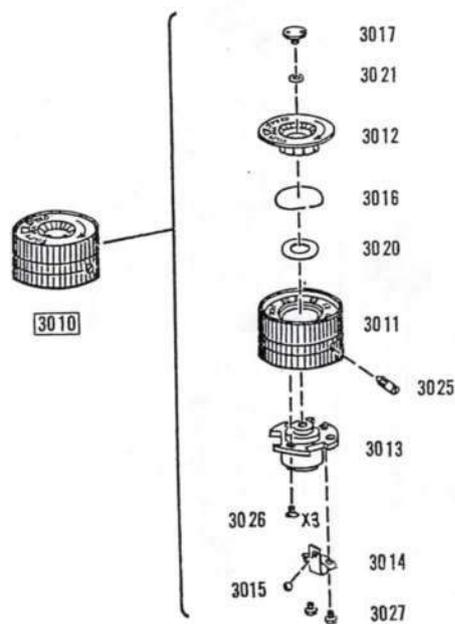
TECHNICAL ENGINEERING DEPT.  
CANON CAMERA CO., INC.

EXPLODED VIEW  
of  
CANON CAMERA BODY MODEL IV-S2  
WITH SERIAL NUMBER ABOVE 200,000



EXPLODED VIEW  
of  
CANON CAMERA BODY MODEL IV-S2  
WITH SERIAL NUMBER ABOVE 200,000

SHEET No. 15



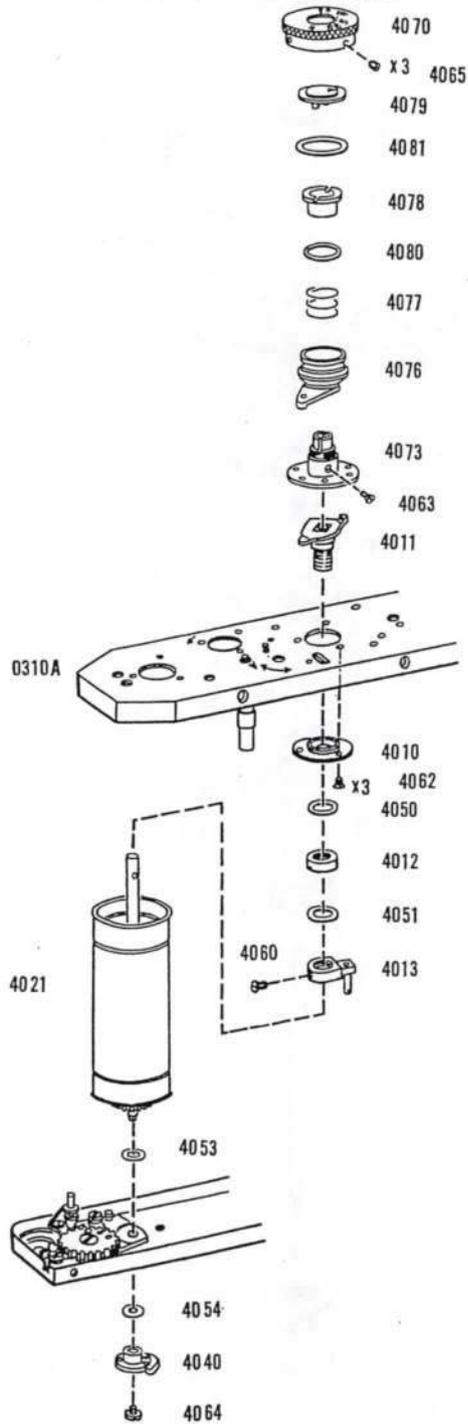
JUNE 1956

TECHNICAL ENGINEERING DEPT.  
CANON CAMERA CO., INC.

REFERENCE NO. C-10310



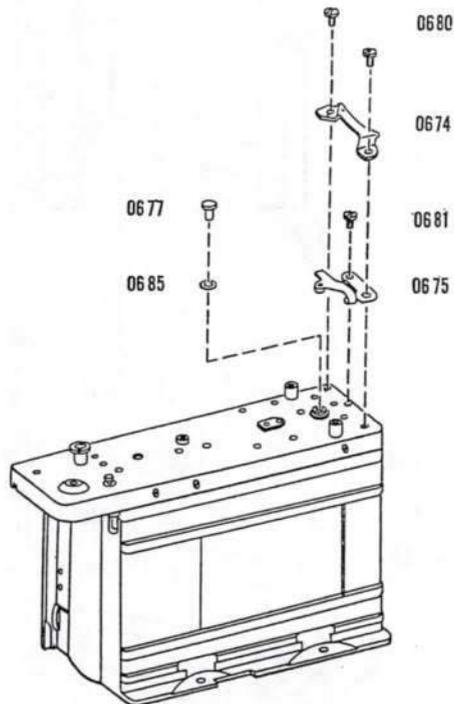
EXPLODED VIEW  
of  
CANON CAMERA BODY MODEL IV-S2  
WITH SERIAL NUMBER ABOVE 200,000



TECHNICAL ENGINEERING DEPT.  
CANON CAMERA CO., INC.

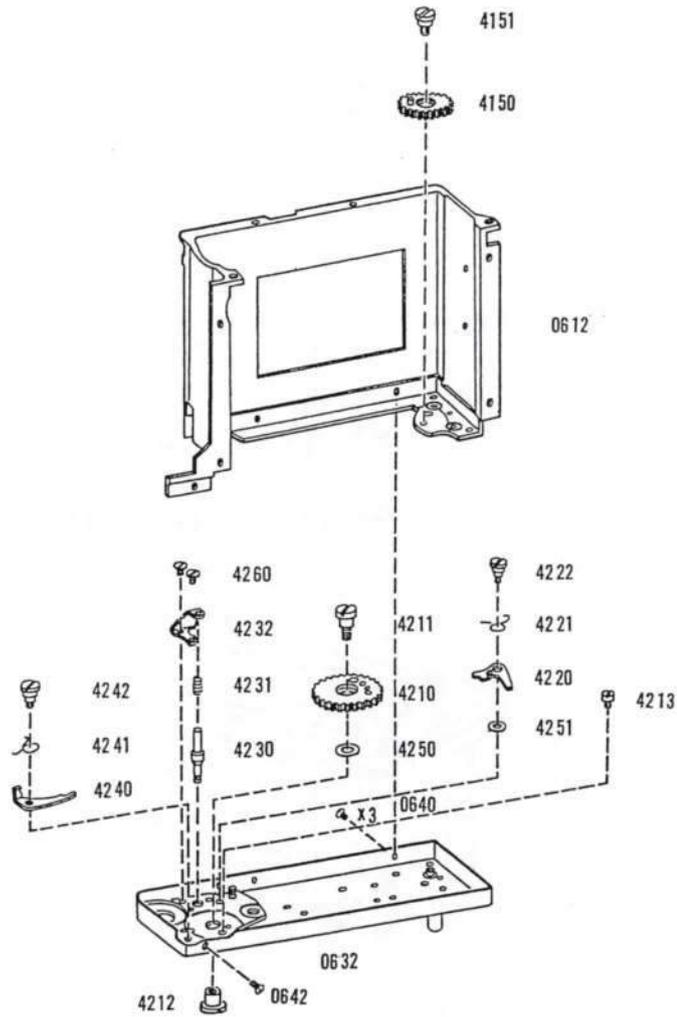
EXPLODED VIEW  
of  
CANON CAMERA BODY MODEL IV-S2  
WITH SERIAL NUMBER ABOVE 200,000

SHEET No. 18



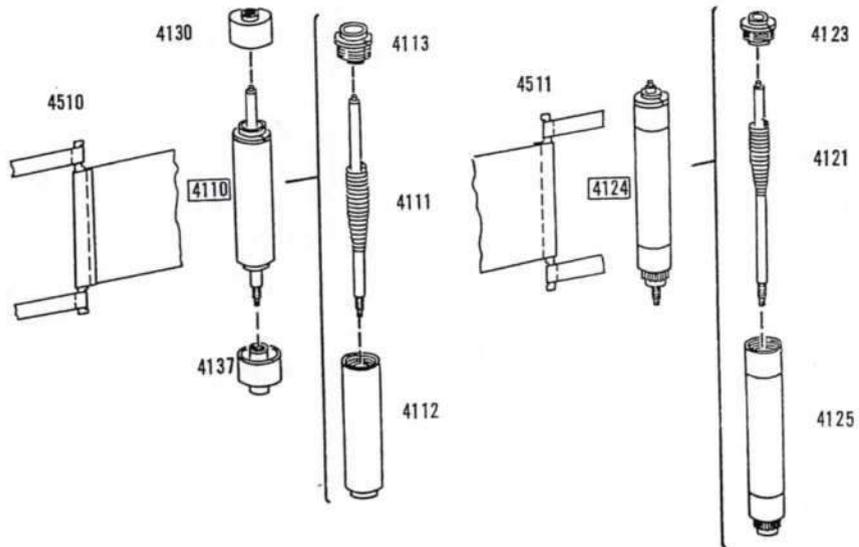
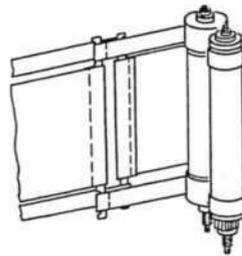
EXPLODED VIEW  
of  
CANON CAMERA BODY MODEL IV-S2  
WITH SERIAL NUMBER ABOVE 200,000

SHEET No. 19



EXPLODED VIEW  
of  
CANON CAMERA BODY MODEL IV-S2  
WITH SERIAL NUMBER ABOVE 200,000

SHEET No. 20



TECHNICAL ENGINEERING DEPT.  
CANON CAMERA CO., INC.

JUNE 1956

REFERENCE NO. C-10310

## Section II

### CAMERA MODELS and PARTS LIST

When ordering parts be sure to indicate NOMENCLATURE,  
CAMERA MODEL, PARTS NUMBER, DESCRIPTION and quantity needed.

- NOTES: 1. ※ and ⊙ indicate that the parts is further broken  
down in the column corresponding to the marking.
2. ★ indicate that the part is for cameras whose  
serial number is above 200,000 .

DESCRIPTION

NOMENCLATURE	II-S	II-F	II-D	IV-S2	DESCRIPTION	DIAGRAM SHEET No.
Body Case	0000	0000	-	0000	Body Case with Flash Terminal (Assembly)	4
	0010	0010	-	0010	Body Case	5
	-	0012	0012	-	Body Case	
	0090	0090	0090	0090	D-ring	
Lens Mounting Flange	0100	0100	0100	0100	Set	
	0110	0110	0110	0110	Flange	4
	0111	0111	0111	0111	Washer	4
	0112	0112	0112	0112	Support Nut	4
	0113	0113	0113	0113	Support Nut	4
	0120	0120	0120	0120	Screw 0110/0010 x 4	4
Pressure Plate	0200	0200	0200	0200	Set	
	0210	0210	0210	0210	Pressure Plate	4
	0211	0211	0211	0211	Spring x 2	4
Top Cover	0300A	0300A	0300A	0300A	Set	
	0310A	0310A	0310A	0310A	Top Cover	14,16
	0320	0320	0320	0320	Screw 0310A/0010, 0012 x 6	4
	0330A	0330A	0330A	0330A	Set	
	0332A	0332A	0332A	0332A	Washer	16
	0340A	0340A	0340A	0340A	Screw 0310A/0332A	16

NOMENCLATURE

DESCRIPTION

DIAGRAM SHEET No.

<u>II-S</u>	<u>II-F</u>	<u>II-D</u>	<u>IV-S2</u>	<u>DESCRIPTION</u>	<u>DIAGRAM SHEET No.</u>
0350	0350	0350	0350	Set	
0351	0351	0351	0351	Accessory Clip Base	14
0360	0360	0360	0360	Screw 0351/0310A x 3	14
<hr/>					
0401	0401	0401	0401	★ Set	
0412	0412	0412	0412	★ Range View Finder Cover	7
0411	0411	0411	0411	Retainer Ring	7
0420	0420	0420	0420	Washer x 2	7
0430	0430	0430	0430	Screw 0410B/0310A x 2	7
0431	0431	0431	0431	Screw	7
0432	0432	0432	0432	Screw 0410B/0351	7
<hr/>					
0500	0500	0500	0500	Assembly (1/4" Tripod Screw)	1
0501	0501	0501	0501	Assembly (3/8" Tripod Screw)	
0510	0510	0510	0510	Base Plate With 1/4" Tripod Screw	3
0515	0515	0515	0515	Base Plate With 3/8" Tripod Screw	3
0511	0511	0511	0511	Handle	3
0512	0512	0512	0512	Stud	3
0513	0513	0513	0513	Lock	3
*0520	0520	0520	0520	Magazine Opening Disk	3
0530	0530	0530	0530	Washer	3
0531	0531	0531	0531	Washer	3
0540	0540	0540	0540	Screw 0511/0512 x 2	3
0541	0541	0541	0541	Stopper	3
0542	0542	0542	0542	Shaft for Lock	3
0543	0543	0543	0543	Screw 0521/0512	3
<hr/>					
*0520	0520	0520	0520	Magazine Opening Disk (Assembled)	3
0521	0521	0521	0521	Base Plate	3
0522	0522	0522	0522	Spring	3

NOMENCLATURE

DESCRIPTION

IV-S2

II-D

II-F

II-S

3  
3  
3

Moving Plate  
Magazine Opening Disk  
Screw 0521/0524 x 4

0523  
0524  
0525

0523  
0524  
0525

0523  
0524  
0525

0523  
0524  
0525

Set for Picture Frame

0602

0602

0602

0602

Picture Frame &  
Bottom Plate

19  
13  
4  
4  
19  
19  
19

Picture Frame  
Screw 0612/0310A x 4  
Screw 0612/0010, 0012 x 3  
Screw 0612/0010, 0012  
Bottom Plate  
Screw 0632/0612 x 3  
Screw 0632/0612

0612  
0620  
0622  
0624  
0632  
0640  
0642

0612  
0620  
0622  
0624  
0632  
0640  
0642

0612  
0620  
0622  
0624  
0632  
0640  
0642

0612  
0620  
0622  
0624  
0632  
0640  
0642

Set

0655

0655

0655

0655

2  
2  
2  
2

Bottom Plate Cover  
Film Loading Guide  
Screw 0656/0632 x 2  
Screw 0656/4212

0656  
0657  
0660  
0661

0656  
0657  
0660  
0661

0656  
0657  
0660  
0661

0656  
0657  
0660  
0661

Set  
Set

0672  
-

-  
0673

-  
0673

0672  
-

18  
18  
18  
18  
18  
18

Lock Holder  
Contact  
Washer  
Plunger Pin  
Screw 0674/0675, 0676, 0632  
Screw 0675/0632  
Washer

0674  
0675  
-  
0677  
0680  
0681  
0685

0674  
-  
0676  
-  
0680  
-  
-

0674  
-  
0676  
-  
0680  
-  
-

0674  
0675  
-  
0677  
0680  
0681  
0685

Light Shield

0710

0710

0710

0710

Top Light Shield

0711

0711

0711

0711

13

DIAGRAM  
SHEET No.

NOMENCLATURE

DESCRIPTION

IV-S2

II-D

II-F

II-S

13  
13

Bracket  
Screw 0711/0310A

0712  
0720

0712  
0720

0712  
0720

0712  
0720

0735 ★ Set for Picture Frame

13  
13

Bottom Light Shield  
Reinforcing Plate

0736  
0734

0736  
0734

0736  
0734

0736  
0734

Set

0740

0740

0740

0740

13  
13

Side Shield  
Screw 0741/0612

0741  
0750

0741  
0750

0741  
0750

0741  
0750

Accessory Clip

0816 ★ Assembly

0816

0816

0816

0816

7, 8

8  
8  
8  
8  
8  
7

Clip  
Washer  
Pressure Rail  
Spring  
Assembly Screw  
Screw 0816/0351 × 4

0817  
0812  
0813  
0814  
0815  
0820

0817  
0812  
0813  
0814  
0815  
0820

0817  
0812  
0813  
0814  
0815  
0820

0817  
0812  
0813  
0814  
0815  
0820

Flash Terminal

Set

1000

-

1000

1000

5  
5  
5  
5  
5  
5

Bracket  
Insulator  
Contact  
Contact Spring  
Insulator Plate  
Insulator Plate

1010  
1011  
1012  
1013  
1014  
1015

-  
-  
-  
-  
-  
-

1010  
1011  
1012  
1013  
1014  
1015

1010  
1011  
1012  
1013  
1014  
1015

