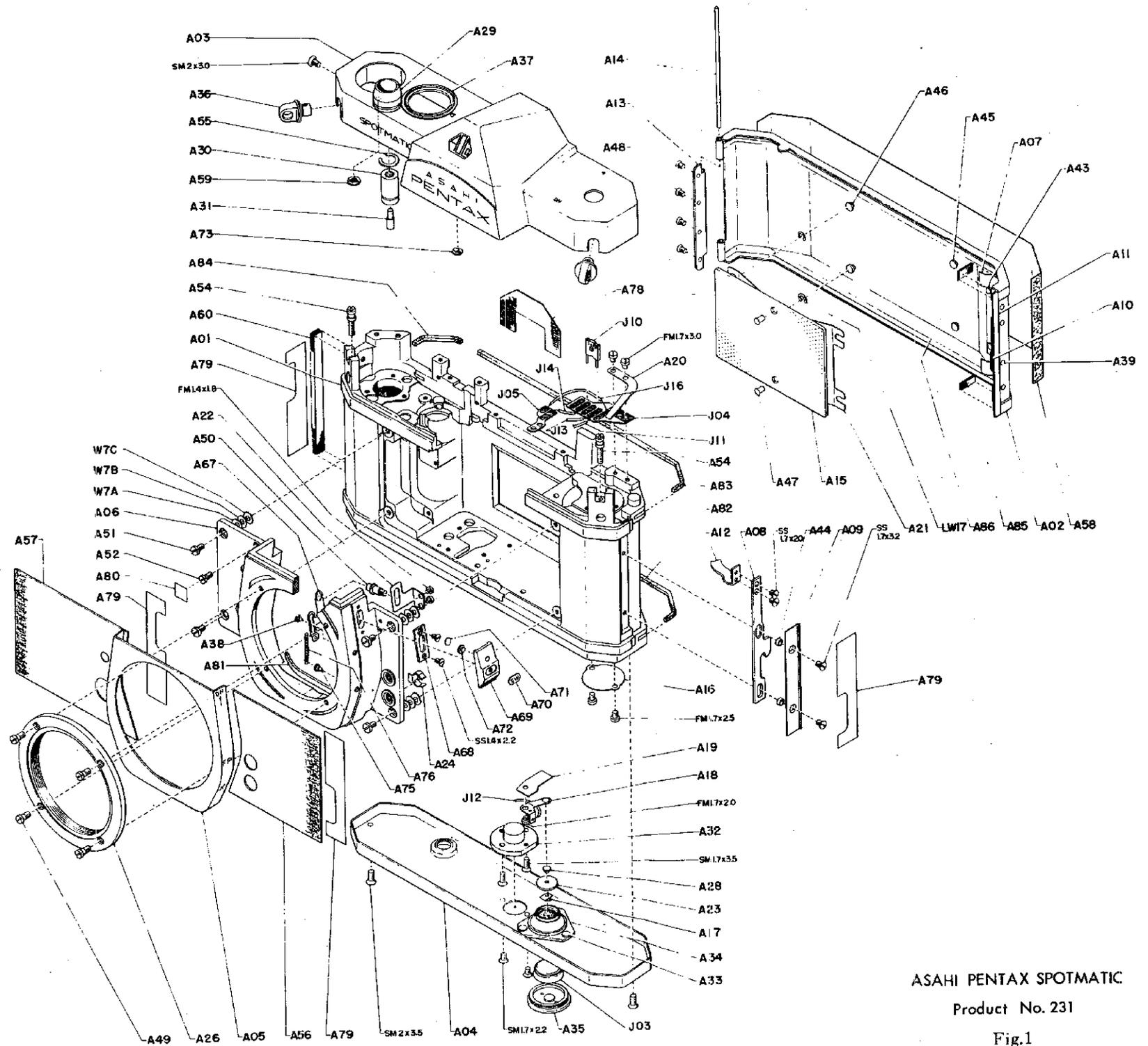


PRODUCT NO.231

# ASAHI PENTAX SPOTMATIC

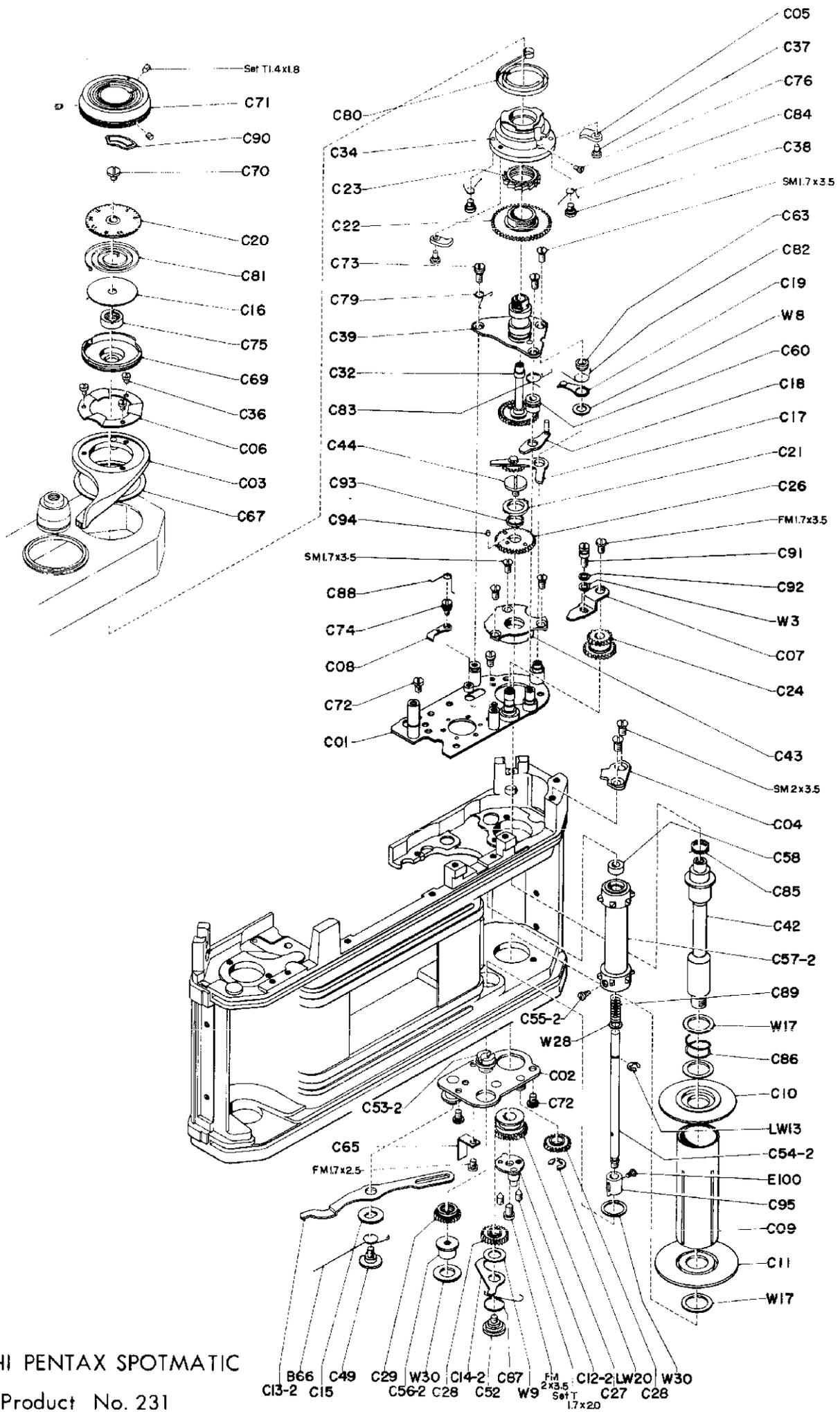




ASAHI PENTAX SPOTMATIC  
Product No. 231

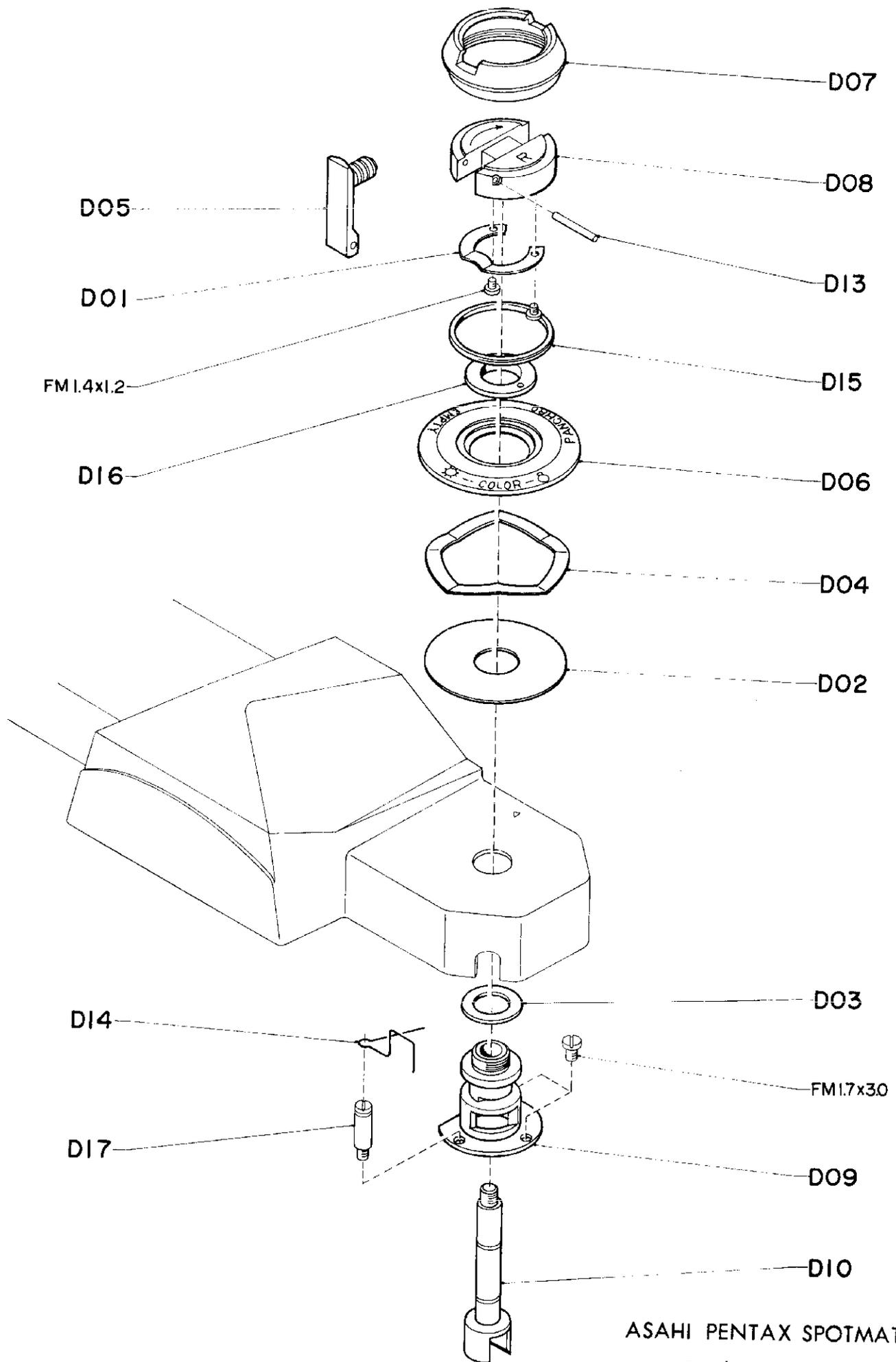
Fig.1





ASAHI PENTAX SPOTMATIC  
 Product No. 231

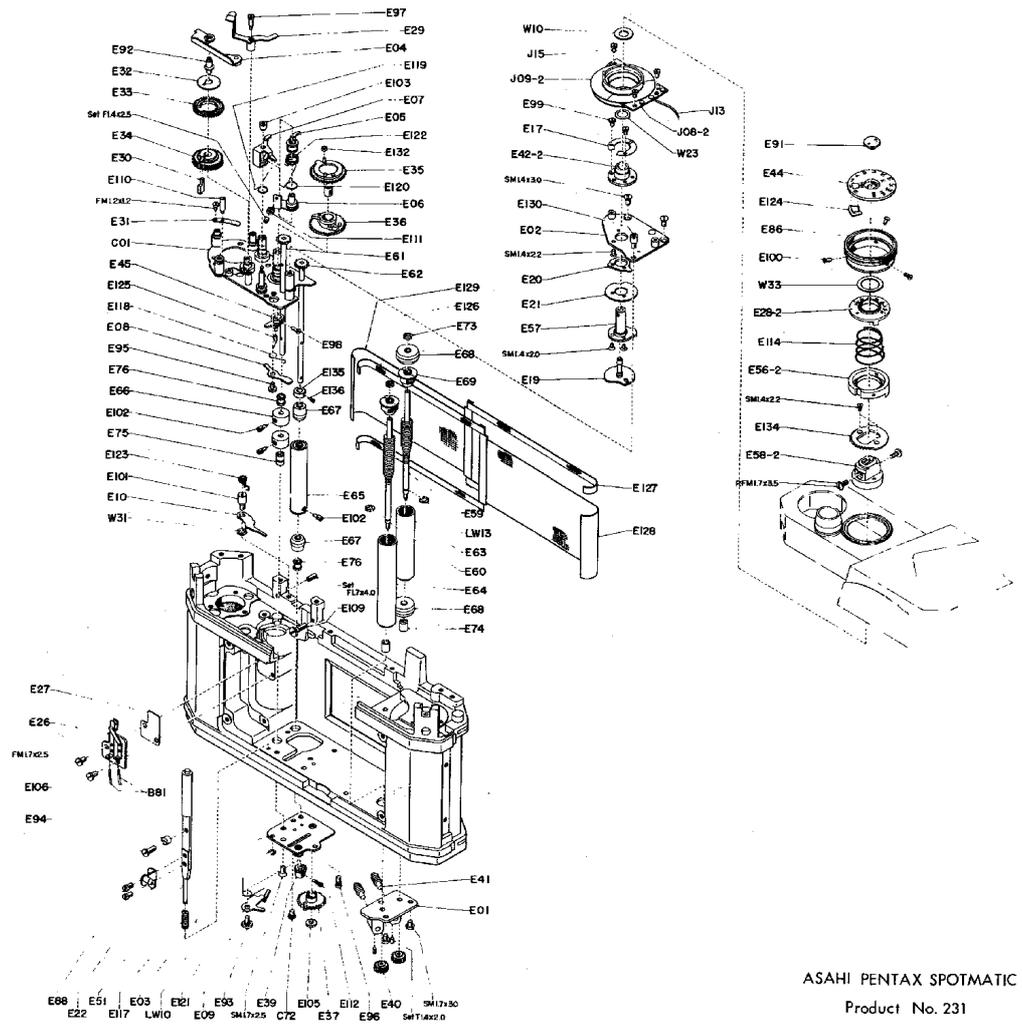
Fig.3



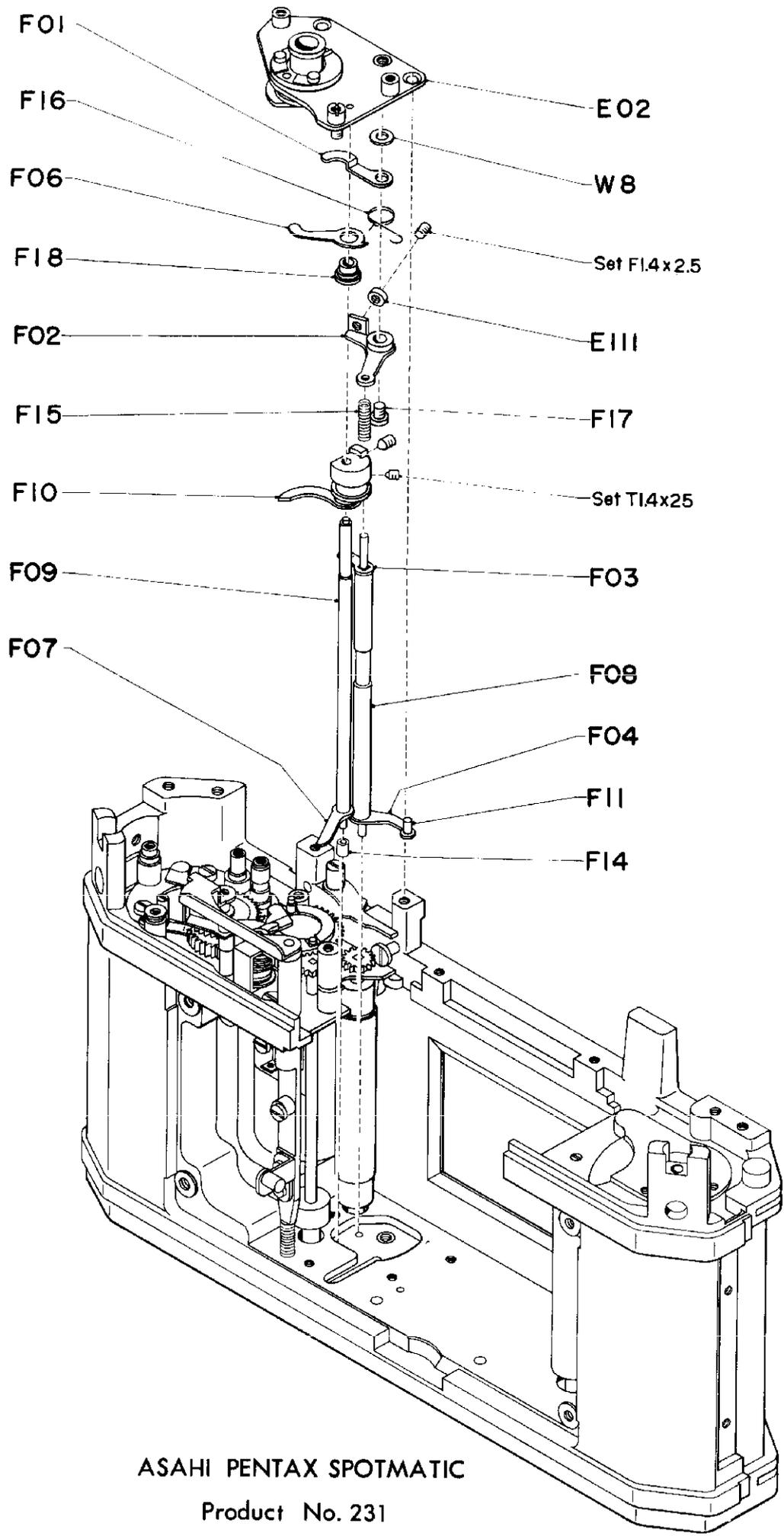
ASAHI PENTAX SPOTMATIC

Product No. 231

Fig.4



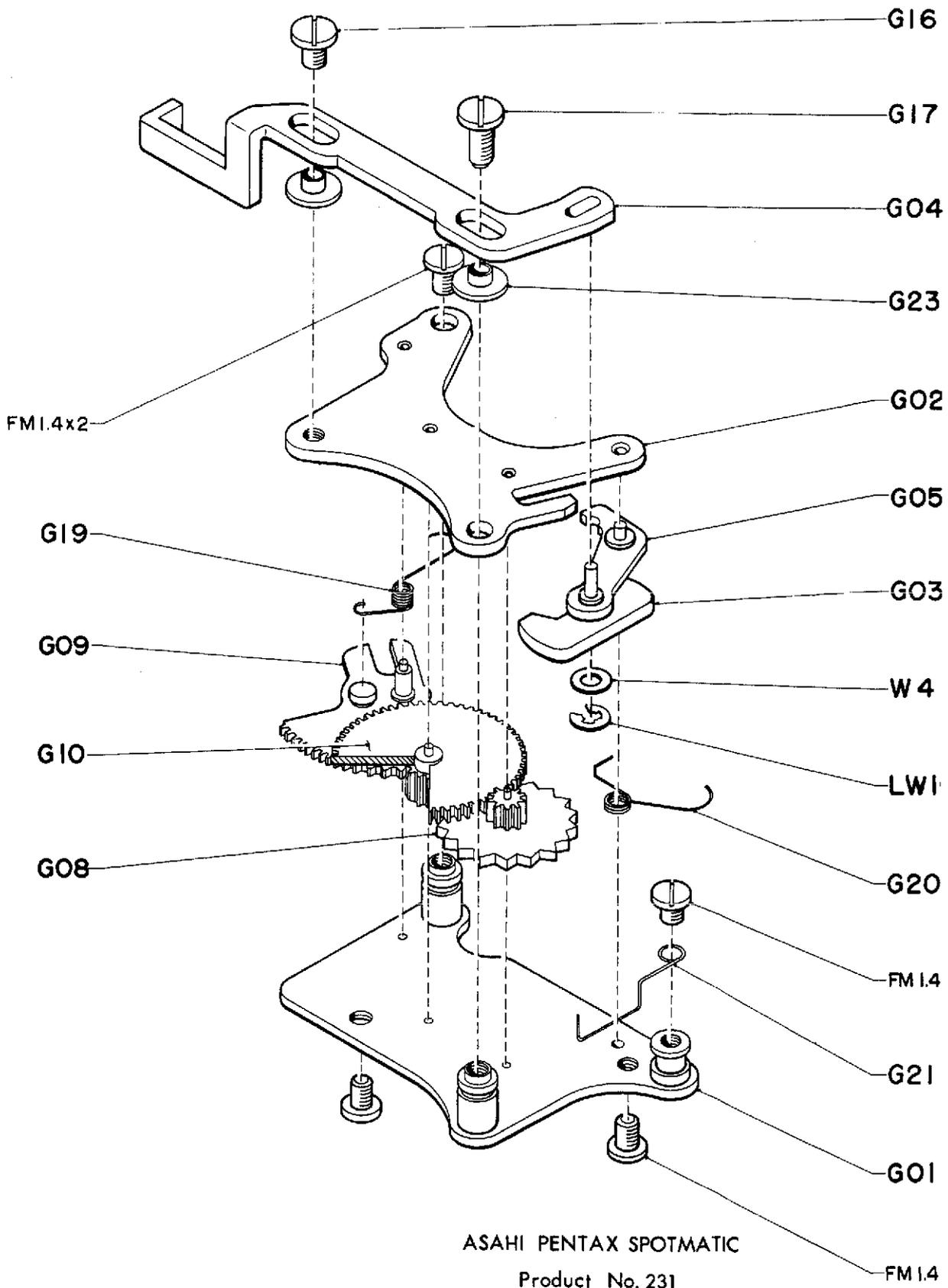
ASAHI PENTAX SPOTMATIC  
 Product No. 231  
 Fig.5



ASAHI PENTAX SPOTMATIC

Product No. 231

Fig.6

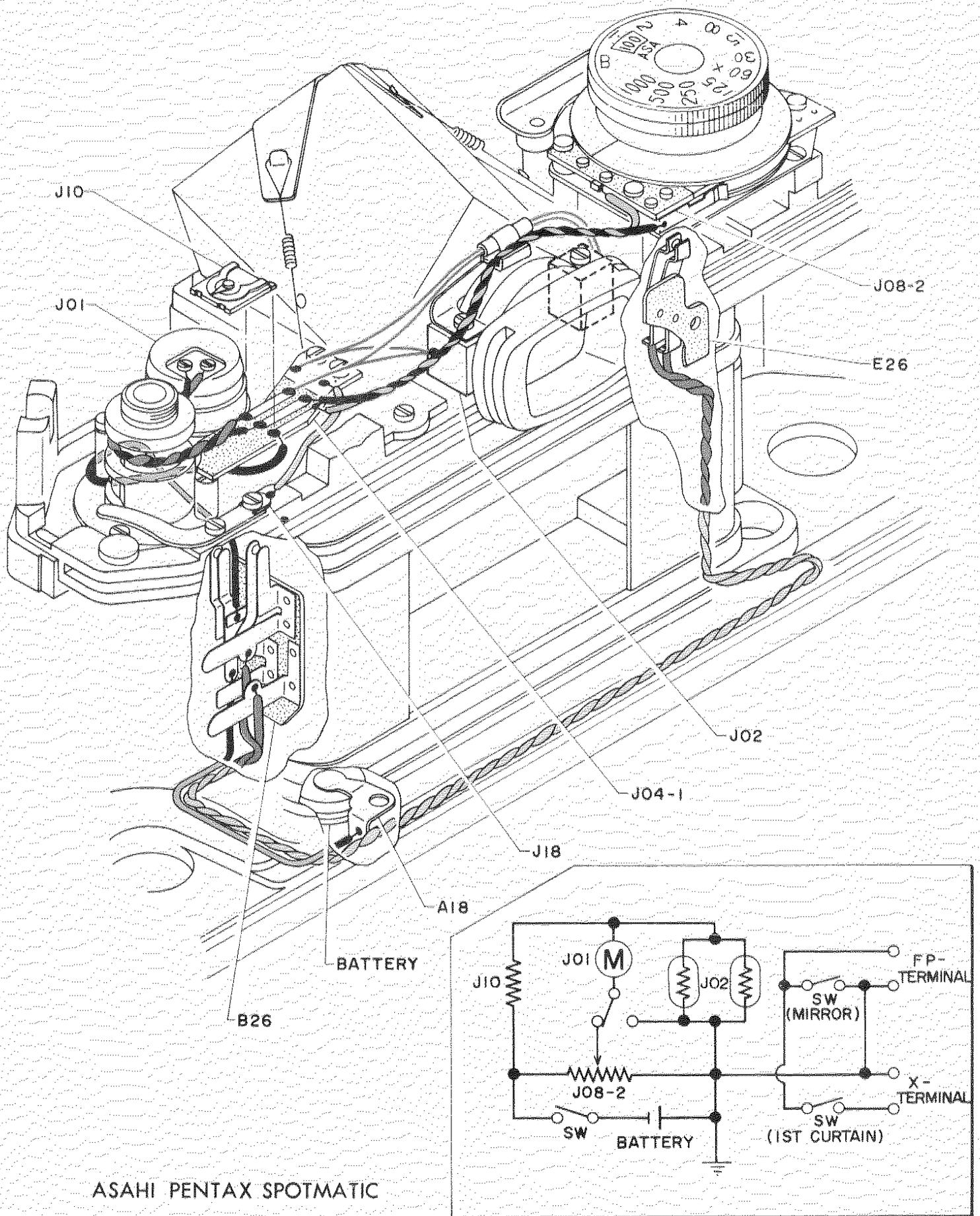


ASAHI PENTAX SPOTMATIC

Product No. 231

Fig.7





ASAHI PENTAX SPOTMATIC

Product No. 231

Fig. 9—1

DISTRIBUTING WIRES

# ASAHI PENTAX SPOTMATIC

## LIST OF SERVICE PARTS

(Product No. 231)

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Note: 1. The parts with numbers starting with '0' are assemble parts.  
 2. The \* marked parts are included in the '0' starting assembled parts.  
 3. The small letters a, b and c immediately following Parts No. mean the kind of parts to be used for adjustment, and anyone of them should be used.

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Parts No.	Description	Quantity
A01	Body proper	1
0A02	Back cover assembly (A02, A07, A10, A11, A13, A14, A39×4, A43×2, A45×2, A46×2)	1
0A03	Top cover assembly (A03, A29, A37, A59, A73, A78)	1
0A04	Bottom cover assembly (A04, A17, A23, A28, A33×3, A34)	1
A05	Front cover	1
0A06	Front board assembly (A06, A38, A40×2, A41×2, A42×2, A75, A81, H51)	1
A07 *	Cassette retainer	1
A08	Back cover key A	1
A09	Back cover key retainer plate	1
A10 *	Back cover key B	1
A11 *	Back cover key cover	1
A12	Back cover key release plate	1
A13	Hinge	1
A14	Hinge shaft	1
0A15	Pressure plate assembly (A15, A21, A47×2)	1
A16	Cassette receptacle	1
A17 *	Battery contact piece A	1
0A18	Battery contact piece B assembly (A18, A25, A27)	1
A19	Battery contact piece insulator	1
A20	Back cover key retainer spring	1
A21 *	Pressure plate spring	1

Parts No.	Description	Quantity
A22	AM switch lever retainer	1
A23	* Battery insulator plate	1
A24	Earth	1
A25	* Contact piece insulator plate	1
A26	Helicoid seat	1
A27	* Insulator plate retainer rivet	1
A28	* Contact piece rivet	1
A29	* Shutter button seat	1
A30	Shutter button	1
A31	Shutter button shaft	1
A32	Tripod socket	1
A33	* Battery housing retainer rivet	3
A34	* Battery housing	1
A35	Battery cover	1
A36	Strap hook	2
A37	* Brim ring	1
A38	* Guide stud	1
A39	* Back cover key rivet	4
A40	* Synchro terminal inner pole	2
A41	* Synchro terminal outer tube	2
A42	* Synchro terminal seat	2
A43	* Cassette holder retainer rivet	2
A44	Back cover key collar	2
A45	* Pressure plate retainer stud A	2
A46	* Pressure plate retainer stud B	2
A47	* Pressure plate retainer rivet	2
A48	Hinge retainer screw	4
A49	Helicoid seat retainer screw	4
A50	AM switch lever shaft	1
A51	Front board retainer screw A	4
A52	Front board retainer screw B	1
A53	Strap hook retainer screw A	1

Parts No.	Description	Quantity
A54	Strap hook retainer screw B	1
A55	Shutter button retainer spring	1
A56	Body covering, left	1
A57	Body covering, right	1
A58	Back cover covering	1
A59 *	Rapid wind indicator window	1
A60	Light seal cloth	1
0A67	AM switch lever guide plate assembly (A67, A74)	1
A68	AM switch lever seat	1
0A69	AM switch lever assembly (A69, A70, A72)	1
A70 *	SW switch plate	1
A71	SW indicator plate	1
A72 *	SW switch indicator window	1
A73 *	Warning window	1
A74 *	Restitution spring hanger A	1
A75 *	Restitution spring hanger B	1
A76	Restitution spring	1
A78 *	Light seal	1
A79	Tape	4
A80	Tape	1
A81 *	Front board dust prevention string	1
A82	Light seal string A	1
A83	Light seal string B	1
A84	Light seal string C	1
A85	Light seal cloth A	1
A86	Light seal cloth B	1
B01	Prism seat	1
0B02	Mirror housing assembly (B02, B21, B63, B97)	1
B03	Ground glass frame	1
B04	Ground glass retainer	1

Parts No.	Description	Quantity
B05	Ground glass mask	1
B06	Prism retainer plate	1
0B07	Magnifier retainer assembly (B07, B78)	1
B08	Prism side retainer plate	1
0B09	Mirror seat assembly (B09, B12, B13, E37, B47×2, B48×2, B89)	1
0B10	Mirror hinge assembly (B10, B11, B55)	1
B11 *	Hinge cover	1
B12 *	Mirror retainer	1
B13 *	Mirror seat receptacle	1
B14	Hook plate	1
0B15	2nd dia. lever assembly (B15, B32, B39, B61)	1
B16 *	Contact A	3
B17 *	Contact B	3
0B18	Mirror actuator lever top assembly (B18, B32, B36, B40, B41, B61)	1
0B19	Mirror actuator lever bottom assembly (B19, B39, B42, B46)	1
B20	Curtain actuator lever	1
B21 *	Dia. 2nd lever shaft	1
B22	Light seal, bottom	1
B23 *	FP contact piece A	1
B24 *	FP contact piece B	1
B25 *	FP contact piece C	1
0B26	Synchro seat assembly (B26, B16×2, B17×2, B23, B24, B25, B27, B52×10, E16, E18, J11, J12)	1
B27 *	Synchro seat insulator	1
B28	Shutter curtain control plate	1
0B29	1st dia. lever assembly (B29, B33×2)	1
B30	Dia. lever supporter	1
B31	Mirror hook lever	1
B32A*	Hook plate receptacle A	2
B32B*	Hook plate receptacle B	1

Parts No.	Description	Quantity
B33 *	Dia. 1t lever pin	2
B34	Curtain actuator lever collar	1
B35	2nd dia. lever retainer screw	1
B36 *	Mirror actuator lever top collar	1
B37 *	Mirror seat receptacle stud	1
B38	Curtain actuator lever spring hanger	1
B39 *	Dia. lever spring hanger	2
B40 *	Mirror retainer spring hanger	1
B41 *	Mirror actuator lever spring hanger A	1
B42 *	Mirror actuator lever spring hanger B	1
B43	Mirror seat rest	1
B44	Mirror seat rest retainer screw	1
B45	Mirror hinge shaft	1
B46	Shutter curtain control plate retainer screw	8
B47 *	Mirror seat receptacle rivet	2
B48 *	Mirror retainer rivet	2
B49	Focus adjust screw	3
B50	Mirror actuator lever shaft	1
B51	Mirror actuator lever shaft retainer screw	1
B52 *	Synchro lever rivet	16
B53	Mirror housing retainer screw	2
B54	Mirror hinge retainer screw	3
B55 *	Hinge cover rivet	2
B56	Mirror hook lever retainer screw	1
B57	Ground glass frame retainer screw	3
B58	1st. dia. lever shaft	1
B59	Hook plate rest	2
B60	Hook plate retainer screw	1
B61 *	Hook plate receptacle rivet	4
B62	Mirror checker spring	1
B63 *	Curtain acuator lever shaft	1
B64 *	Mirror actuator lever bottom rivet	1

Parts No.	Description	Quantity
B65	Mirror seat spring	1
B66	Mirror restitution spring	1
B67	Prism retainer spring	2
B68	1st dia. lever spring	1
B69	Dia. lever spring	1
B70	Curtain actuator lever spring	1
B71	Hook plate spring	1
B72	Dust prevention string A	1
B73	Dust prevention string B	2
B74	Dust prevention string C	2
B75	Mirror hook lever spring	1
B76	Prism protector	1
B77	Light seal curtain	1
B78 *	Magnifier cushion	1
B79	Mirror shock absorber	1
B80	Dust prevention string F	2
B81 *	Synchro cord	2
B82	Dust prevention cover	1
B83	Dnst prevention string D	2
B84	Dust prevention string E	1
0B85	Dia. actuator lever A assembly (B85, B96, B106)	1
0B86	Dia. actuator lever B assembly (B86, B32B, B94, B95, B100×2, B104)	1
0B87	Hook release lever assembly (B87, B90, B95)	1
0B88	Hook assembly (B88, B98)	1
B89 *	Hook release stud A	1
B90 *	Hook release stud B	1
B91	Hook retainer screw	1
B92	Dia. actuator lever retainer screw	1
B93	Dia. actuator lever stopper	1
B94 *	Dia. actuator lever B stud	1
B95 *	Switch actuator pin	2

Parts No.	Description	Quantity
B96 *	Dia. actuator lever A collar	1
B97 *	Dia. actuator lever shaft	1
B98 *	Hook spring hanger stud	1
B99	Hook release lever retainer screw	1
B100 *	Dia. actuator lever B receptacle rivet	2
B101	Dia. actuator lever spring	1
B102	Hook spring	1
B103	Dia. actuator lever restitution spring	1
B104 *	Switch insulator tube	1
B105	Manifier retainer screw	2
B106 *	Dia. actuator spring hanger	1
B107	Protector tube	1
0C01	Top mec. plate assembly (C01, C33, C40, C41, C45, C46, C59, C62, C64, E43, E48, E50, E54, E104)	1
0C02	Bottom mec. plate assembly (C02, C48, C50, C51)	1
0C03	Rapid wind lever assembly (C03, C35)	1
C04	Lever stopper	1
C05 *	Wind-up ratchet	2
C06	Rapid wind lever retainer spring	1
C07	Stopper	1
C08	Non-return arm	1
C09	Take-up spool shaft	1
C10	Top take-up spool brim	1
C11	Bottom take-up spool brim	1
0C12-2	Coupler lever pin adjust seat assembly (C12-2, C47)	1
C13 2	Coupler lever	1
C14 2	Rewind actuator lever	1
C15	Coupler lever washer	1
C16	Counter dial spring seat	1
0C17	Counter dial coupler lever assembly (C17, C30, C31)	1

Parts No.	Description	Quantity
0C18	Counter dial actuator lever assembly (C18, C61)	1
0C19a	Counter dial ratchet assembly (C19a, C77)	1
0C19b	" " (C19b, C77)	1
0C19c	" " (C19c, C77)	1
0C20	Counter dial assembly (C20, C68)	1
C21 *	Counter dial actuator	1
C22	Top 1st gear	1
C23	Rapid wind ratchet wheel	1
0C24	Top 2nd gear assembly (C24, C25)	1
C25 *	Top 3rd gear	1
C26 *	Top main gear	1
C27	Bottom main gear	1
C28	Idling gear	2
C29	Sprocket gear	1
C30 *	Counter dial 1st gear	1
C31 *	Counter dial 2nd gear	1
0C32	Counter dial 3rd gear assembly (C32, C66)	1
C33 *	Shutter rest column	1
0C34	Rapid wind lever seat assembly (C34, C05×2, C37×2)	1
C35 *	Rapid wind lever stud	1
C36	Rapid wind lever retainer screw	3
C37 *	Wind-up ratchet shaft	2
C38	Rapid wind ratchet spring hanger	2
0C39	Rapid wind lever shaft assembly (C39, C66)	
C40 *	Stopper column	1
C41 *	Top 2nd gear shaft	1
0C42	Wind-up shaft assembly (C42, C21, C26, C43, C44, C85, C93, C94)	1
C43 *	Wind-up shaft bearing	1
C44 *	Top main gear retainer screw	1
C45 *	Gear column pin	1
C46 *	Non-return arm seat	1
C47 *	Coupler lever pin	1

Parts No.	Description	Quantity
C 48 *	Coupler lever pin	1
C 49	Coupler lever retainer screw	1
C 50 *	1st idling gear shaft	1
C 51 *	2nd idling gear shaft	1
C 52	Idling gear retainer screw	1
C 53	Sprocket gear shaft	1
C 54	Sprocket shaft	1
C 55	Clutch pin	1
C 56	R button	1
C 57	Sprocket	1
C 58	Sprocket collar	1
C 59 *	Counter dial actuator lever shaft	1
C 60	Counter dial actuator lever collar	1
C 61 *	Counter dial actuator lever pin	1
C 62 *	Counter dial coupler lever shaft	1
C 63	Counter dial coupler lever collar	1
C 64 *	Rapid wind lever shaft scat	1
C 65	Wiring retainer	1
C 66 *	Counter dial stopper	2
C 67	Rapid wind lever collar	1
C 68 *	Counter dial spring hanger	1
C 69	Counter dial housing	1
C 70	Counter dial retainer screw	1
0C 71	Counter dial cover ring assembly (C 71, C 90)	1
C 72	Mec. plate retainer screw	4
C 73	Rapid wind shaft retainer screw	1
C 74	Non-return arm screw	1
C 75	Rapid wind lever shaft nut	1
C 76	Spring retainer screw	1
C 77 *	Counter dial ratchet stud	1
C 79	'Cocked' indicator spring	1
C 80	Spring	1

Parts No.	Description	Quantity
C 81	Counter dial spring	1
C 82	Counter dial ratchet spring	1
C 83	Counter dial actuator lever spring	1
C 84	Rapid wind ratchet spring	2
C 85 *	Wind-up shaft spring	1
C 86	Take-up spool retainer spring	1
C 87	Rewind actuator lever spring	1
C 88	Non-return arm spring	1
C 89	Sprocket spring	1
C 90 *	Counter dial window	1
C 91	Stopper retainer screw	1
C 92	Stopper washer	2
C 93 *	Counter dial actuator plate collar	1
C 94 *	Counter dial actuator plate pin	1
C 95	Clutch ring	1
D 01 *	Hoof spring	1
D 02	Film type dial washer	1
D 03	Shaft bearing washer	1
D 04	Film type dial spring	1
D 05 *	Crank	1
D 01	Film type dial	1
D 07 *	Rewind cover ring	1
0D 08	Rewind knob assembly (D08, D01, D05, D07, D11, D12, D13, D15)	1
D 09	Shaft bearing	1
D 10	Rewind shaft	1
D 11 *	Nipple	1
D 12 *	Crank shaft	1
D 13 *	Crank pin	1
D 14	Shaft spring	1

Parts No.	Description	Quantity
D15 *	Retainer ring	1
D16	Flat nut	1
D17	Shaft spring retainer screw	1
E 01	Curtain shaft seat	1
0E 02	Shutter rest assembly (E 02, E 17, E 42-2, E 87, E 99, E 131, F 13, Small screw saucer medium 1.4×2.2×3)	1
0E 03	Bottom shaft rest assembly (E 03, E 107, E 108)	1
0E 04	Release plate assembly (E 04, E 51)	1
0E 05	High speed lever, top assembly (E 05, E 06, E 52, E 53, E 111, E 122, Set screw flat 1.4×2.5)	1
E 06 *	High speed lever, bottom	1
E 07	bulb lever	1
E 08	1st curtain checker arm	1
E 09	Pinion coupler lever	1
E 10	Bounce stopper lever	1
E 11 *	Governor actuator plate	1
E 12-2*	Selector gear bottom retainer plate A	1
E 13 *	Selector gear bottom retainer plate B	1
E 14 *	Selector gear bottom retainer plate seat	1
E 15 *	Selector gear top retainer plate	1
E 16 *	Switch A	1
E 17 *	Click spring	1
E 18 *	Switch B	1
0E 19a	High speed cam assembly (E 19a, E 47)	1
0E 19b	„ (E 19b, E 47)	1
E 20a	Slow speed cam	1
E 20b	„	1
E 21	Bulb cam	1
0E 22	Shutter actuator plate assembly (E 22, E 90)	1
E 23 *	Curtain edger	2
E 24 *	X contact piece A	1

Parts No.	Description	Quantity
E 25 *	X contact piece B	1
0E 26	X contact piece assembly (E 26, B 16, B 17, B 52×4, B 81×2, E 24, E 25, E 27)	1
E 27 *	X contact piece insulator	1
0E 28-2	Exposure index dial assmbly (E 28-2, E 55-4)	1
0E 29	'Cocked' indicator assembly (E 29, E 133)	1
E 30	Spill	1
E 31	Spill spring	1
E 32	Spill receptacle plate	1
E 33	Top intermediate gear	1
0E 34	Bottom intermediate gear assembly (E 34, E 49)	1
0E 35	Top selector gear assembly (E 35, E 15, E 78, E 81, E 85, E 89)	1
0E 36	Bottom selector gear assembly (E 36, E 11, E 12, E 13, E 14, E 79, E 80, E 83)	1
0E 37	Coupler gear assembly (E 37, E 113)	1
E 38 *	Pinion	2
E 39	Coupler pinion	1
E 40	Worm wheel	2
E 41	Worm	2
E 42-2*	Speed selector disc shaft	1
E 43 *	Selector gear shaft bearing	1
0E 44	Speed dial assembly (E 44, E 124)	1
0E 45	Speed selector retainer assembly (E 45, E 77, E 125)	1
E 47 *	High speed cam shaft	1
E 48 *	Intermediate gear shaft	1
E 49 *	Intermediate gear collar	1
E 50 *	Bulb lever shaft	1
E 51 *	Shutter rod	1
E 52 *	High speed lever top collar	1
E 53 *	High speed lever bottom collar	1
E 54 *	1 st curtain checker arm seat	1
E 55-4*	Exposure index dial seat	1

Parts No.	Description	Quantity
E 56a-2	Exposure index change ring	1
E 56b-2	„ „	1
E 56c-2	„ „	1
E 57	Pallet release cam	1
E 58-2	Speed selector disc	1
E 59 *	1st curtain spring shaft	1
E 60 *	2nd curtain spring shaft	1
0E 61	1st curtain pinion shaft assembly (E 61, E 38)	1
0E 62	2nd curtain pinion shaft assembly (E 52, E 38)	1
E 63 *	1st curtain spring pipe	1
E 64 *	2nd curtain spring pipe	1
E 65 *	2nd curtain wind shaft	1
E 66	1st curtain wind shaft	2
E 67	1st curtain roller	2
E 68	2nd curtain roller	2
E 69 *	Spring pipe bearing, top	2
E 70 *	Spring pipe bearing, bottom	2
E 71 *	2nd curtain wind shaft bearing, bottom	1
E 72 *	2nd curtain wind shaft bearing, top	1
E 73	Curtain shaft collar A	2
E 74	Curtain shaft collar B	2
E 75	Curtain shaft collar C	1
E 76	Curtain shaft collar D	2
E 77 *	X contact piece synchro pin	1
E 78 *	Selector pin	1
E 79 *	Governor actuator plate retainer rivet A	1
E 80 *	Governor actuator plate retainer rivet B	1
E 81 *	Selector gear top retainer plate rivet	1
E 82	Selector gear top bearing retainer rivet	3
E 83 *	Selector gear bottom stud	1
E 85 *	Selector gear top stud	1
E 86	Speed dial knob	1

Parts No.	Description	Quantity
E 87 *	Slow speed lever spring hanger	1
E 88	Shutter actuator plate retainer screw	2
E 89 *	'Cocked' indicator actuator stud	1
E 90 *	Shutter actuator plate stud	1
E 91	Speed dial retainer screw	1
E 92	Intermediate gear retainer screw	1
E 93	Pinion coupler lever retainer screw	1
E 94	Eccentric collar retainer screw	1
E 95	1 st curtain checker arm retainer screw	1
E 96	Coupler lever spring hanger	1
E 97	'Cocked' indicator retainer screw	1
E 98	Selector gear shaft retainer screw	1
E 99 *	Click spring retainer screw	4
E 100	Speed dial dial knob retainer screw	3
E 101	Bounce stopper screw	1
E 102	Pinion shaft retainer screw	3
E 103	Bulb lever nut	1
E 104 *	Indicator seat	1
E 105	Coupler gear retainer screw	1
E 106	Eccentric collar	1
E 107 *	Coupler gear seat	1
E 108 *	Pinion coupler lever seat	1
E 109	Bounce stopper adjust screw	1
E 110	Spill spring retainer screw	1
E 111 *	High speed lever adjust nut	2
E 112	Coupler pinion screw	1
E 113 *	Coupler gear stud	1
E 114	Speed dial knob spring	1
E 115 *	1 st curtain spring	1
E 116 *	2 nd curtain spring	1
E 117	Shutter rod spring	1
E 118	1 st curtain checker arm spring	1

Parts No.	Description	Quantity
E 119	Bulb lever spring	1
E 120 *	High speed lever spring	1
E 121	Pinion coupler lever spring	1
E 122 *	High speed lever joint spring	1
E 123	Bounce stopper spring	1
E 124 *	Exposure index window	1
E 125 *	X xontact insulator tube	1
E 126 *	1st curtain ribbon	1
E 127 *	2nd curtain ribbon	1
0E 128	Set of 1st shutter curtain assembly and 2nd shutter curtain assembly (E 128, E 23, E 59, E 63, E 69, E 70, E 115, E 126 & E 129, E 23, E 60, E 64, E 65, E 69, E 70, E 71, E 72, E 116, E 127)	1
E 129 *	2nd shutter curtain	1
E 130	Shutter rest retainer screw	1
E 131 *	Resistor seat retainer seat	2
E 132	Selector pin collar	10
E 133 *	Indicator collar	1
E 134	Exposure index selector disc	1
E 135	Pinion shaft collar	1
E 136	Pinion shaft collar retainer screw	1
F 01	Slow speed cam lever, top	1
0F 02	Slow speed cam lever, bottom assembly (F 02, E 111, F 12, Set screw flat 1.4×2.5)	1
0F 03	Governor actuator lever, top assembly (F 03, F 19)	1
F 04 *	Governor actuator lever, bottom	1
F 05 *	Pallet release lever top A	1
0F 06	Pallet release lever top B assembly (F 06, F 18)	1
F 07 *	Pallet release lever, bottom	1
0F 08	Governor actuator rod assembly (F 08, F 04, F 11)	1
0F 09	Pallet release rod assembly (F 09, F 07)	1

Parts No.	Description	Quantity
0F10	Pallet release lever collar assembly (F10, F05)	1
F11 *	Governor actuator stud	1
F12 *	Slow speed cam lever collar	1
F13 *	Slow speed cam lever column	1
F14	Pallet release rod collar	1
F15	Governor actuator rod spring	1
F16	Slow speed cam lever spring	1
F17	Slow speed cam lever retainer spring	1
F18 *	Pallet release lever B collar	1
0G00	Slow speed governor assembly (G01-G23)	1
0H00	Self-timer governor assembly (H01-H45, H55, H56)	1
H46	Self-timer set lever	1
H47	Self-timer set lever seat	1
H48	Self-timer set lever shaft	1
H49	Joint	1
H50	Self-timer set lever retainer screw	1
H51 *	Starter button seat	1
H52	Starter button	1
H53	Self-timer lever stopper	1
H54	Starter button spring	1
J01	Ammeter	1
J02a	Cds (composed of 2 kinds, redmarked and white marked)	2 (1 set)
J02b	Cds ( " " )	2 (1 set)
0J04	Print wiring base A assembly (J04, J13, J14, J16)	1
J05	Print wiring base B	1

Parts No.	Description	Quantity
J 08-2	Variable resistor (composed of 2 kind, red marked and white marked)	1
J 09-2	Warning plate	1
J 10	Semi fixed resistor	1
J 11 *	Wire A	1
J 12 *	Wire B	1
J 13 *	Wire C	1
J 14 *	Wire D	1
J 15	Resistor seat retainer screw	1
J 16 *	Wire E	1
L 01	Mirror	1
L 02	Fresnel lens	1
L 03	Ground glass	1
L 04	Pentaprism	1
0L 05	Magnifier front element assembly (L 05. L 06)	1
L 06 *	Magnifier rear element	1

# LIST OF STANDARD PARTS

(Product No. 231)

## Small Screws

Description		Surface treatment	Position of Use	Quantity
Flat, medium	1.2×1.2	White nickel	C 01, E 31	1
„	1.2×1.6	„	G 12, G 14	1
„	1.4×1.8	Black nickel	A 06, A 22	2
			D 01, D 08	2
„	1.4×2.0	White nickel	G 02, G 13	1
„	1.4×2.0	Black nickel	E 130, E 131, J 08-2	1
			A 01, G 01	2
„	1.7×1.5	„	B 02	2
„	1.7×2.0	„	A 01, A 18, A 25	1
„	1.7×2.5	„	A 01, E 26, E 27	2
			B 02, B 26, B 27	2
			B 01, J 05	2
			A 01, A 16	2
			A 01, C 02	1
„	1.7×3.0	„	A 01, D 09	2
			B 02, B 30	2
			A 01, A 20, J 04	2
„	1.7×3.5	„	A 01, H 01	1
			C 07, C 41	1
			A 01, B 02	1
			B 01, J 01	2
„	1.7×5.0	„	B 01, B 02	3
„	2.0×3.5	„	C 12-2, C 42	1
Saucer, medium	1.4×2.2	Black nickel	E 02, E 42-2	3
			E 20, E 57	2

Description		Surface treatment	Position of Use	Quantity
Saucer, medium	1.4×3.2	Black nickel	A06, H47	2
„	1.7×2.2	Chrome	A04, A32	2
„	1.7×2.5	Black nickel	A01, E03	1
			A01, A16	2
„	1.7×3.0	„	A01, E02	2
			A01, E01	3
„	1.7×3.5	„	A01, B02	1
			A01, A32	2
			A01, C43	3
			C39, C59	2
			A01, H01	1
„	2.0×3.0	Chrome	A01, A03	1
„	2.0×3.5	„	A01, A04	2
„	2.0×3.5	Black nickel	A01, C04	2
Saucer, small	1.4×2.2	Black nickel	A06, A68	2
„	1.7×2.0	„	A08, A12	2
„	1.7×3.2	„	A01, A09, A44	2
Round, flat, medium	1.7×3.5	Black nickel	E57, E58-2	2
Set, flat	1.4×2.5	White nickel	E05, E06	1
			F01, F02	1
„	1.7×4.0	„	A01, C07	1
			B01, B08, L04	2
Set, tapered	1.4×1.8	Black nickel	C69, C71	3
„	1.4×2.2	„	E01, E41	2
„	1.7×2.0	„	C12-2, C27	2
„	1.7×2.5	„	F09, F10	2

## Washers

Description	Material	Thickness	Position of Use	Quantity
W1	Steel	0.05, 0.01	C 17, C 30	1
W3	„	0.4	C 07, C 92	1
W4	„	0.05, 0.1	C 17, C 31	1
W4	Phosphor bronze	0.15, 0.2	G 03, G 07	1
W5	„	0.3	B 99	1
W6	Stainless steel	0.03, 0.05, 0.1, 0.15, 0.2	E 59, E 60, E 61, E 62	0~2
W7	„	0.02, 0.03, 0.05, 0.07, 0.1	A 01, A 06	0~2
W8	„	0.05, 0.07, 0.1, 0.3	F 01, F 13 E 52, E 53 C 62, C 63	1 0~1 1
W8	„	0.2	B 02, B 19	1
W9	Brass	0.4	C 51, C 52	1
W12	„	0.05, 0.07, 0.1	B 18, B 19	1
W15	Phosphor bronze	0.05, 0.1	B 85	1
W17	Steel	0.2	C 10, C 42, C 86	2
W17	Bakelite	0.5	C 11, C 42	1
W23	Phosphor bronze	0.05, 0.1, 0.2	E 42, E 57	1
W27	„	0.05	F 02	1
W28	Steel	0.2	C 89	1
W28	„	0.03, 0.05	B 88	1
W30	„	0.4	A 01, C 55-2	1
W30	Celluloid	0.4	A 04, C 56-2	1
W31	Steel	0.4	E 10, E 101	1
W33	Phosphor bronze	0.1, 0.2, 0.3	E 44	1
W37	„	0.1, 0.2	C 27, C 42	1
W38	„	0.1	C 39, C 69	1

## Lock Washers

Description	Material	Position of Use	Quantity
LW10	Steel	H51, H52	1
		G07	1
		E51	1
		E58	1
LW13	„	E60	1
		E59	1
		C54-2, C89	2
LW17	„	A21, A46	2
LW20	„	C28, C50	1