Vivitar

Illustrated Parts List

Automatic Fixed Mount Lens
135mm f/2.8 Close Focusing

Publication No. 3746127 / November 1979

This manual consists of the following pages:

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HOW TO USE THIS PUBLICATION

HOW TO FIND PART ORDER NUMBERS

Parts are illustrated on exploded view drawings where each part is identified by a reference number or designator. These reference numbers appear in sequence in the parts list where they are cross-referenced to the part numbers and descriptions.

When a part is not available separately it can be obtained only by ordering the assembly containing it. The part number of that assembly may be shown immediately to the right on the same line in an "Included in Assembly" column or at the end of the parts list(s), or it may be indicated by footnotes.

In parts lists for lens items, quantities of each item are listed as used in the different lens mounts. The mounts are referred to as:

U = Vivitar-Universal Thread Mount
N = Nikon Mounts
M = Minolta Mounts
C = Canon Mounts
K = Konica Autoreflex Series Mounts
O = Olympus OM Series Mount
P = Pentax K Mounts

Note that many parts are common to more than one mount. This commonality is shown in the complete parts list at the end of the manual, so that service centers desiring to stock replacement parts can order economically.

CAUTION

This publication is intended for use by persons having skills and equipment needed to service the subject product(s) safely and correctly. Users are cautioned that special tools and/or test equipment may be required for proper disassembly, reassembly, alignment or adjustment or damage to the product may result.

Notice: Information contained herein is subject to change without notice.

HOW TO ORDER PARTS

Please furnish the model number and serial number of the product for which parts are being ordered. For each part requested, please supply part number, description, and required quantity. Mail or phone parts orders to:

Vivitar Central Parts Service
2700 Pennsylvania Avenue
Santa Monica, California 90406

Telephone: (213) 829-3672
or (213) 870-0181

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IDENTIFICATION AND MOUNT CONFIGURATION

This manual is the Illustrated Parts List for the Vivitar Automatic Fixed Mount 135mm f/2.8 Close Focusing Lens. The manual contains exploded view drawings of the various configurations of the lens. Facing each exploded view drawing is a parts list keyed to the drawing by reference numbers and providing part numbers, descriptions, and quantities for each part. Availability of parts is indicated by footnotes. At the back of the manual is a master parts list in Vivitar part number sequence showing the usage of each part in each mount configuration of the lens.

These lenses are furnished in seven mount configurations identified by the marketing stock numbers shown below. Vivitar part numbers have also been assigned to further identify the exact configurations of the lenses that are presented in the manual. If the lens configurations change, the Vivitar part numbers will be changed accordingly.

Mount		Vivitar Stock No.	Vivitar Part No.
Vivitar Universal Thread Mount	(U)	0210230	3900138
Nikon, Nikkormat, Nikon AI	(N)	0210263	3900139
Minolta MD/SRT/SR Mount	(M)	0210311	3900140
Canon FL/FD Series Mount	(C)	0210252	3900141
Konica Autoreflex Series Mount	(K)	0210274	3900142
Olympus OM Series Mount	(O)	0210285	3900143
Pentax K, M Series Mount	(P)	0210296	3900144

SPECIFICATIONS

Focal Length 135mm

Optical Construction . . . . . 4 elements in 4 groups

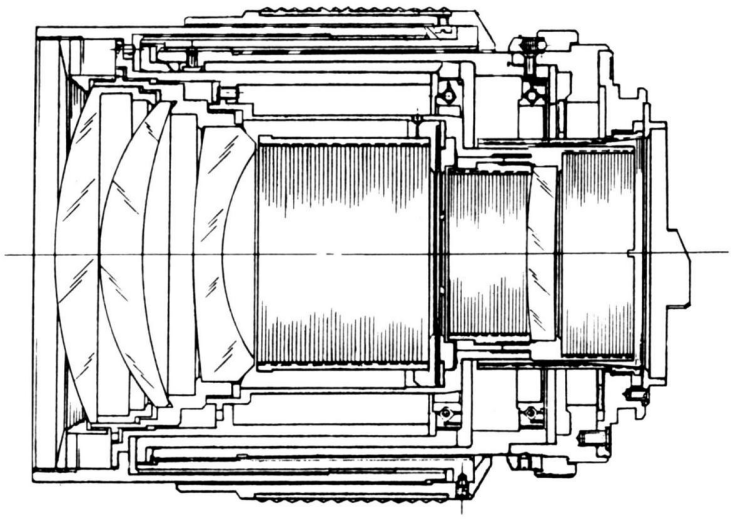
Angle of Acceptance . . . . . 18 degrees

Minimum Focusing Distance from Film Plane . . . . . 0.6 m (2 ft)

Maximum Reproduction Ratio 1:2

Accessory Size 62mm

Lens Cap Size 65mm



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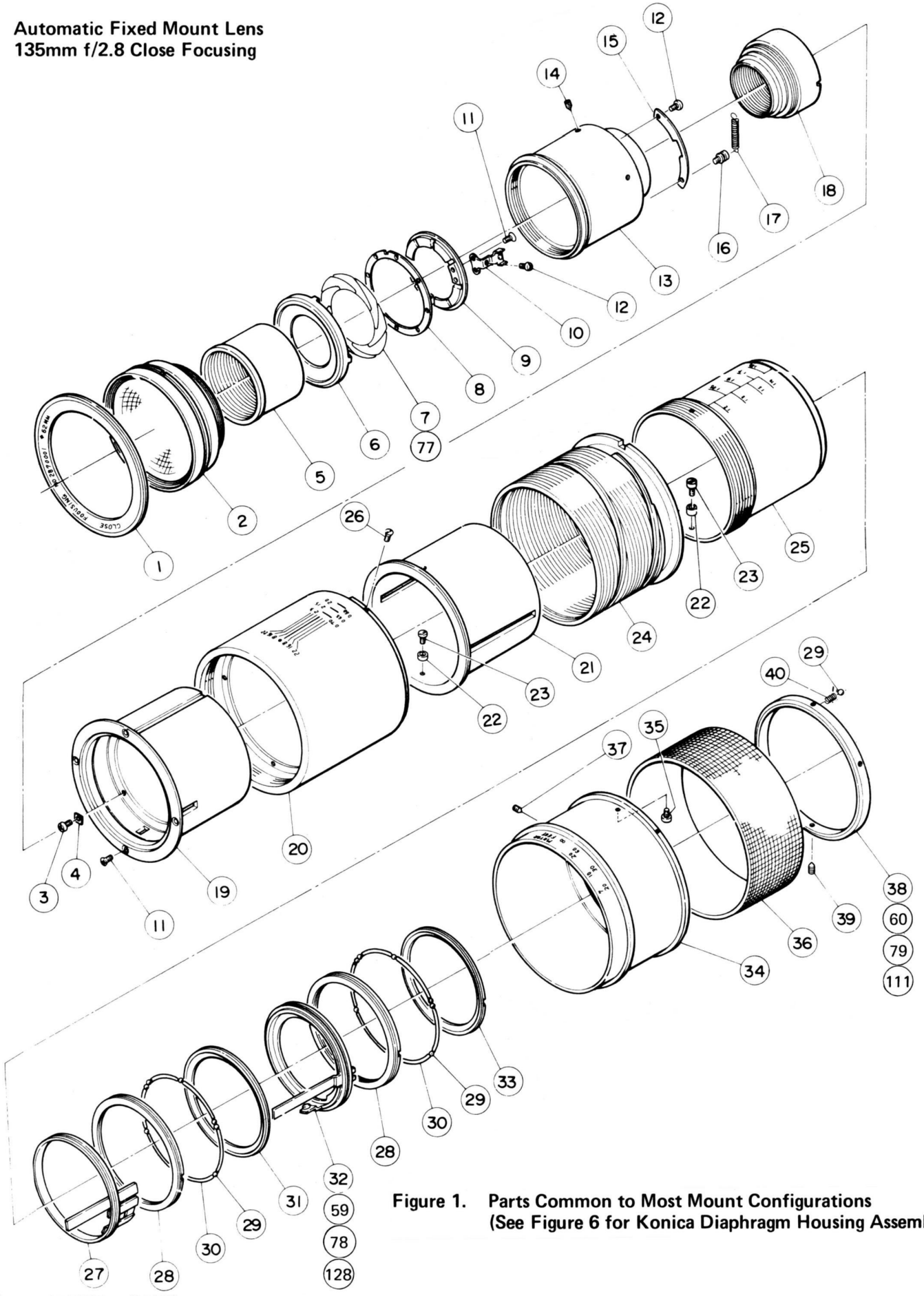

Figure 1. Parts Common to Most Mount Configurations (See Figure 6 for Konica Diaphragm Housing Assembly)

Parts List for Figure 1. Parts Common to Most Mount Configurations

Ref.	Vivitar Part No.	Description	Part Code	Quantity
1	3101673	RING, NAME	50901011	1
2	3101674	LENS GROUP ASSY, FRONT	50901211	1
2A	3104156	LENS ELEMENT, 1ST	43401012	1
2B	3104157	LENS ELEMENT, 2ND	43401022	1
2C	3104158	LENS ELEMENT, 3RD	40901131	1
3	3513513	SCREW, PANHD, 1.4x3.5, CHR	60021351	4
4	3513286	WASHER	60001011	4
5	3101675	BAFFLE, FRONT	60901011	1
6	3101676	RING, DIAPHRAGM RTNG	60901021	1
7	3510404	BLADE, DIAPHRAGM, U, N, K, O	30701051	8
8	3510405	RING, BLADE	60701251	1
9	3101677	RING, BLADE OPERATING	60901191	1
10	3101678	ARM, DIAPHRAGM OPERATING	60901151	1
11	3513042	SCREW, FLTHD, 1.4x2.5, CHR	60031251	6
12	3513175	SCREW, PANHD, 1.4x1.8, CHR	60011181	2
13	3101679	HOUSING, DIAPHRAGM	60901031	1
14	3101680	SETSCREW	60000071	4
15	3101681	CAM, APERTURE ADJUST	60901171	1
16	3101682	SCREW, SPRING POST	60000051	1
17	3513043	SPRING, COIL	60001161	1
18	3101683	LENS GROUP, REAR	50901221	1
19	3101684	SLEEVE, SCALE TUBE	60901041	1
20	3101685	TUBE, SCALE	60901051	1
21	3101686	SLEEVE, HELICOID	60901061	1
22	3515119	ROLLER, CAM	60101211	4
23	3515120	SHAFT, CAM ROLLER	60101241	4
24	3101687	HELICOID	60901081	1
25	3101688	TUBE, MAGNIFICATION SCALE	60901111	1
26	3516428	SCREW, FLTHD, 1.4x2.2	60101281	1
27	3101689	RING, DIAPHRAGM ACTUATOR	60901071	1
28	3515123	RING, BALL RTNG	60101071	2
29	3513041	BALL, STEEL, 1.5	60081161	19
30	3513036	SPACER, BALL	60000081	12
31	3515124	RING, BALL RACE	60101081	1
32	3101751	RING, APERTURE TRANSFER	60901121	1
33	3513037	RING, BALL RACE	60006231	1
34	3101690	RING, FOCUS SCALE	60901091	1
35	3515128	SCREW, INFINITY STOP	60101231	1
36	3101691	GRIP, RUBBER	60901101	1
37	3516435	SETSCREW, 1.7x3.0	60101301	3
38	3515132	RING, INDEX, UNIV	60101141	1
39	3513039	SETSCREW, 1.7x2.4	60000061	3
40	3513048	SPRING, DETENT	60000031	1
59	3101695	RING, APERTURE TRANSFER	60902021	1
60	3101696	RING, INDEX, N/AI	60102012	1
77	3516455	BLADE, DIAPHRAGM, M, C, P	30703051	8
78	3101703	RING, APERTURE TRANSFER, M, P/K	60903011	1
79	3515150	RING, INDEX, M/MD	60103021	1
111	3515168	RING, INDEX, K/AR	60105051	1
128	3101717	RING, DIAPHRAGM ACTUATOR	60906021(AS)	1

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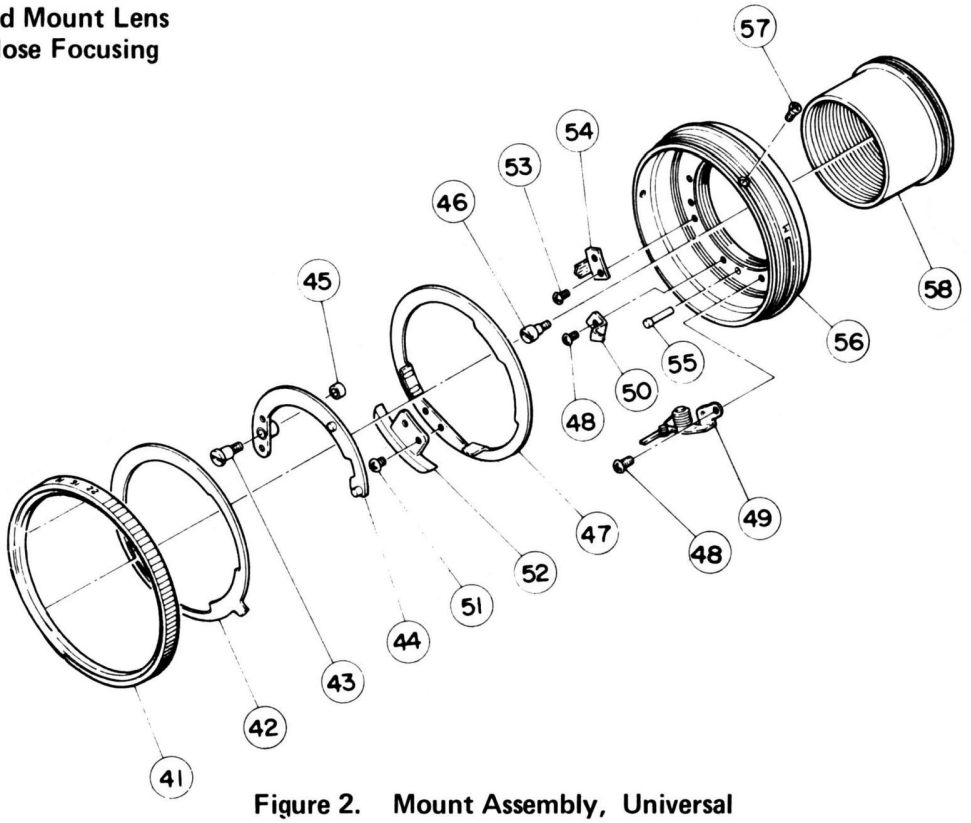

Figure 2. Mount Assembly, Universal

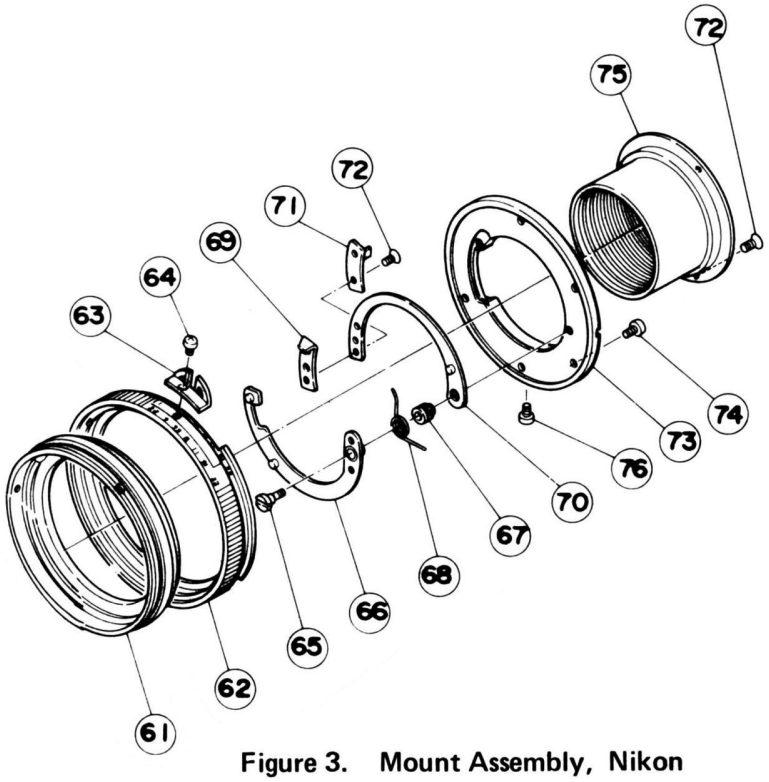

Figure 3. Mount Assembly, Nikon

ASSEMBLIES

The following assemblies are normally stocked. The mount assemblies and the Konica diaphragm housing assembly are illustrated in Figures 2 through 9. Parts for the other diaphragm assemblies and the helicoid assembly are illustrated in Figure 1.

Vivitar Part No.	Description	Part Code	Ref. No.'s Of Included Parts
3101740	DIAPHRAGM HOUSING ASSY, U, N, O	30901021	5 – 17
3101741	HELICOID ASSY	30901031	11, 19 – 26
3101742	MOUNT ASSY, UNIV	30901041	41 – 56, 58
3101743	MOUNT ASSY, N/AI	30902041	42, 61, 62, 65 – 76
3101744	DIAPHRAGM HOUSING ASSY, M, C, P/K	30903021	5, 6, 8 – 17, 77
3101745	MOUNT ASSY, M/MD	30903041	67, 72, 80 – 95
3101746	DIAPHRAGM HOUSING ASSY, K/AR	30905021	5 – 8, 11, 12, 14, 17, 29, 51, 96 – 108
3101747	MOUNT ASSY, K/AR	30905041	11, 16, 17, 29, 30, 112–127
3101748	MOUNT ASSY, C/FD	30906461	17, 29, 33, 40, 43, 45, 48, 58, 86, 103, 116, 125, 130 – 151
3101749	MOUNT ASSY, O/OM	30907041	12, 156 – 180
3101750	MOUNT ASSY, P/K	30908041	11, 58, 67, 72, 177, 182 – 194

Parts List for Figure 2. Mount Assembly, Universal

Ref.	Vivitar Part No.	Description	Part Code	Quantity
41	3516623	RING, APERTURE SETTING	60501101	1
42	3101692	RING, APERTURE CAM	60901161	1
43	3513051	SCREW, PIVOT, DIAPHRAGM LEVER	60001081	1
44	3513052	LEVER, AUTO DIAPHRAGM	60001191-P(AS)	1
45	3513053	BUSHING	60001111	1
46	3513364	SCREW, PIVOT	60001171	1
47	3513524	RING, AUTO/MANUAL	60001291	1
48	3513028	SCREW, PANHD, 1.4x3.0	60021301	3
49	3513295	LEVER, AUTO DIAPHRAGM TRANSFER	60001021	1
50	3104155	PLATE, STOP	60001051	1
51	3513583	SCREW, FLTHD, 1.4x3.0, CHR	60031301	2
52	3513370	BUTTON, AUTO/MANUAL	60001071	1
53	3513507	SCREW, PANHD, 1.4x2.2, CHR	60021221	1
54	3513056	SPRING, FLAT, DETENT	60001061	1
55	3513064	PIN, AUTO DIAPHRAGM ACTUATING	60000011	1
56	3101693	MOUNT, UNIV	60901131	1
57	3513355	SCREW, FLTHD, 1.7x3.5, CHR	60032351	3
58	3103694	PIPE, SHADE, U, C, P	60901141	1

Parts List for Figure 3. Mount Assembly, Nikon

Ref.	Vivitar Part No.	Description	Part Code	Quantity
61	3101697	FRAME, MOUNT, N/AI	60502032	1
62	3101698	RING, APERTURE SETTING, N/AI	60502022	1
63	3101699	FORK, APERTURE COUPLING, N/AI	60002012	1
64	3101700	SCREW, COUPLING FORK, N/AI	60012252	1
65	3513530	SCREW, PIVOT, DIAPHRAGM LEVER	60002051	1
66	3513294	LEVER, APERTURE CAM	60001191-N(AS)	1
67	3513103	BUSHING, PIVOT SCREW	60002071	1
68	3513531	SPRING, WIRE, DIAPHRAGM LEVER	60002081	1
69	3513533	ARM, DIAPHRAGM ACTUATOR	60002021	1
70	3513534	LEVER, AUTO DIAPHRAGM	60002031(AS)	1
71	3513535	ARM, AUTO DIAPHRAGM COUPLING	60002041	1
72	3513094	SCREW, FLTHD, 1.4x3.0, BLK	60031303	5
73	3101701	MOUNT, NIKON/AI	60902031	1
74	3513093	SCREW, PANHD, 1.7x3.0, CHR	60012302	5
75	3101702	PIPE, SHADE	60902041	1
76	3513092	SCREW, LOCKING	60002091	1

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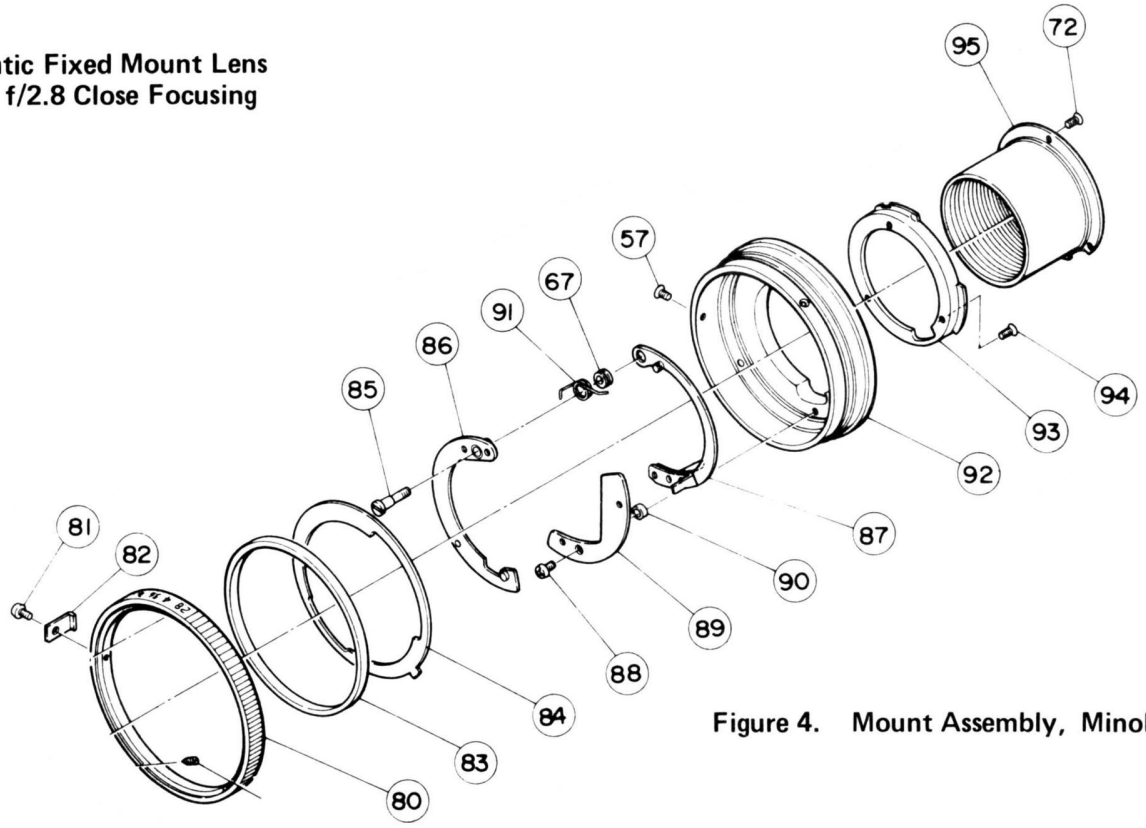

Figure 4. Mount Assembly, Minolta

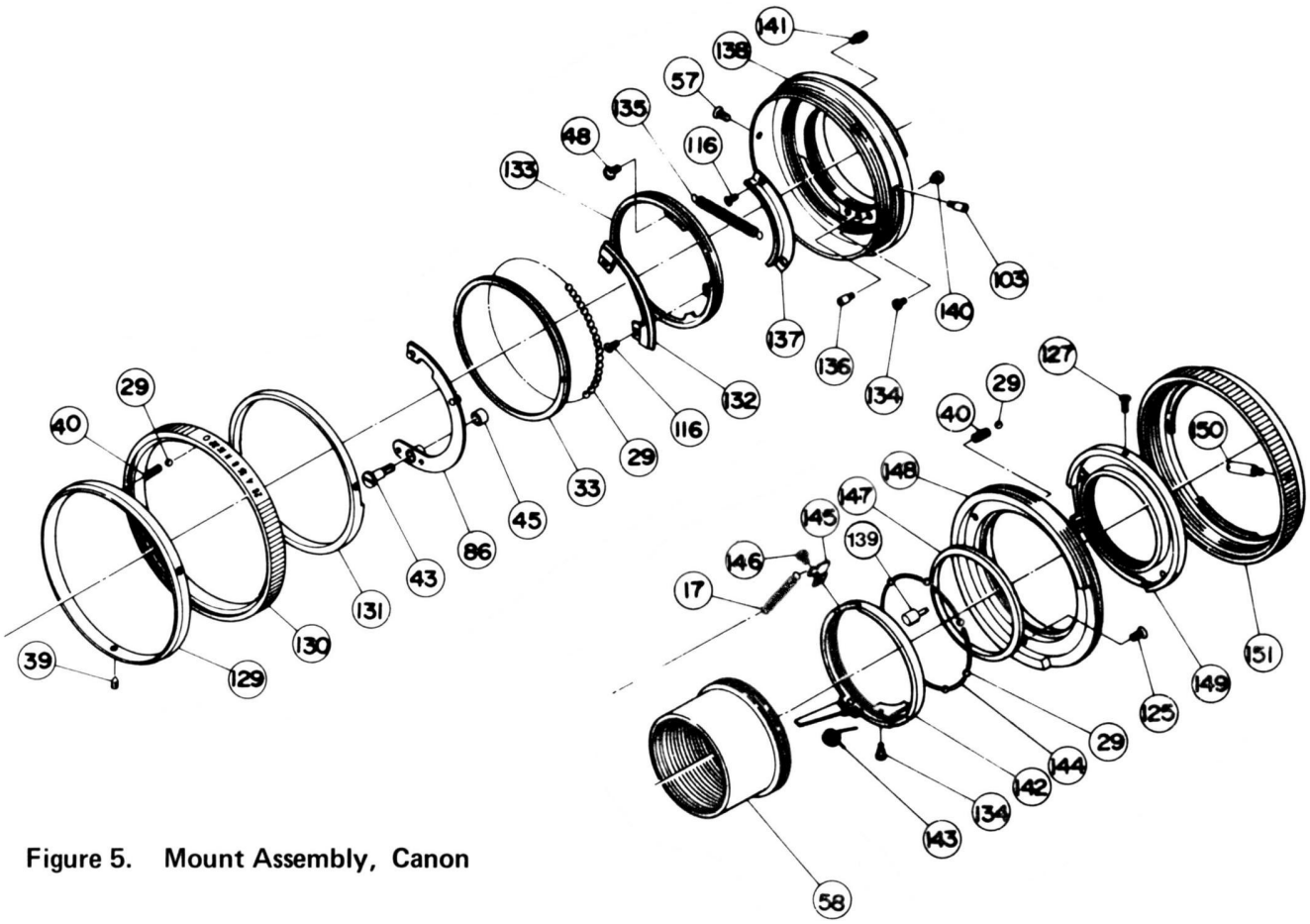

Figure 5. Mount Assembly, Canon

Parts List for Figure 4. Mount Assembly, Minolta

Ref.	Vivitar Part No.	Description	Part Code	Quantity
57	3513355	SCREW, FLTHD, 1.7x3.5, CHR	60032351	3
67	3513103	SPACER, DIAPHRAGM LEVER	60002071	1
72	3513094	SCREW, FLTHD, 1.4x3.0, BLK	60031303	5
80	3101704	RING, APERTURE SETTING	60503022	1
81	3101705	SCREW, LUG ATTACHING	60072254	1
82	3101706	LUG, APERTURE COUPLING, M/MD	60503131	1
83	3515152	RING, SPACER	60003091	1
84	3101707	RING, APERTURE CAM	60903031	1
85	3513099	SCREW, PIVOT, DIAPHRAGM LEVER	60003051	1
86	3513134	LEVER, APERTURE CAM	60006241	1
87	3513104	LEVER, AUTO DIAPHRAGM	60003041(AS)	1
88	3513542	SCREW, FLTHD, 1.4x3.5, BLK	60021353	1
89	3513545	LINK, DIAPHRAGM LEVER	60003021	1
90	3513546	SPACER, DIAPHRAGM LEVER PLATE	60003081	1
91	3513102	SPRING, WIRE, DIAPHRAGM LEVER	60003071	1
92	3101708	FRAME, MOUNT, M, MD	60903041	1
93	3101709	MOUNT, MINOLTA/MD	60000092	1
94	3513347	SCREW, FLTHD, 1.7x4.0, CHR	60032401	3
95	3101710	PIPE, SHADE	60903021	1

Parts List for Figure 5. Mount Assembly, Canon

Ref.	Vivitar Part No.	Description	Part Code	Quantity
17	3513043	SPRING, COIL	60001161	2
29	3513041	BALL, STEEL, 1.5	60081161	116
33	3513037	RING, BALL RACE	60006231	2
39	3513039	SETSCREW, 1.7x2.4	60000061	3
40	3513048	SPRING, DETENT	60000031	2
43	3513051	SCREW, PIVOT	60001081	1
45	3513053	BUSHING, PIVOT SCREW	60001111	1
48	3513028	SCREW, PANHD, 1.4x3.0	60021301	3
57	3513355	SCREW, FLTHD, 1.7x3.5, CHR	60032351	3
58	3101694	PIPE, SHADE, U, C, P	60901141	1
86	3513134	LEVER, APERTURE CAM	60006241(AS)	1
103	3513066	SCREW, CAM OPERATING	60001181	1
116	3513019	SCREW, FLTHD, 1.4x2.0, CHR	60031201	4
125	3513125	SCREW, FLTHD, 1.7x4.0, CHR	60042402	4
127	3513189	SCREW, FLTHD, 1.4x2.2, BLK	60031223	3
129	3515162	RING, INDEX, C/FD	60106011	1
130	3516486	RING, APERTURE SETTING	60706041	1
131	3101718	RING, RTNG, APERTURE RING	60906031	1
132	3101719	CAM, APERTURE	60906041	1
133	3513258	RING, APERTURE CAM	60006011	1
134	3513152	SCREW, SPRING HOOK	60006081	2
135	3513151	SPRING, COIL, CAM RING	60006141	1
136	3515165	SCREW, STOP	60006061	1
137	3513138	GUIDE, SPRING	60006021	1
138	3516492	FRAME, MOUNT, C/FD	60706051	1
139	3513156	PIN, EE SIGNAL	60006101	1
140	3514149	SCREW, SPRING HOOK	60006071	1
141	3513090	SCREW, SPRING HOOK	60006151	1
142	3515167	RING, AUTO DIAPHRAGM	60006161(AS)	1
143	3101720	SPRING, WIRE	60106081	1
144	3516418	SPACER, BALL	60000122	7
145	3513271	PLATE, SPRING HOOK	60006181	1
146	3101721	SCREW, PANHD, 1.4x1.5	60021151	1
147	3513143	RING, BALL RETAINER	60206061	1
148	3513144	MOUNT, CANON	60006041(AS)	1
149	3516499	PIPE, SHADE	60006121	1
150	3513430	SCREW, SIGNAL	60006091	1
151	3513429	RING, BREECHLOCK	60006051	1

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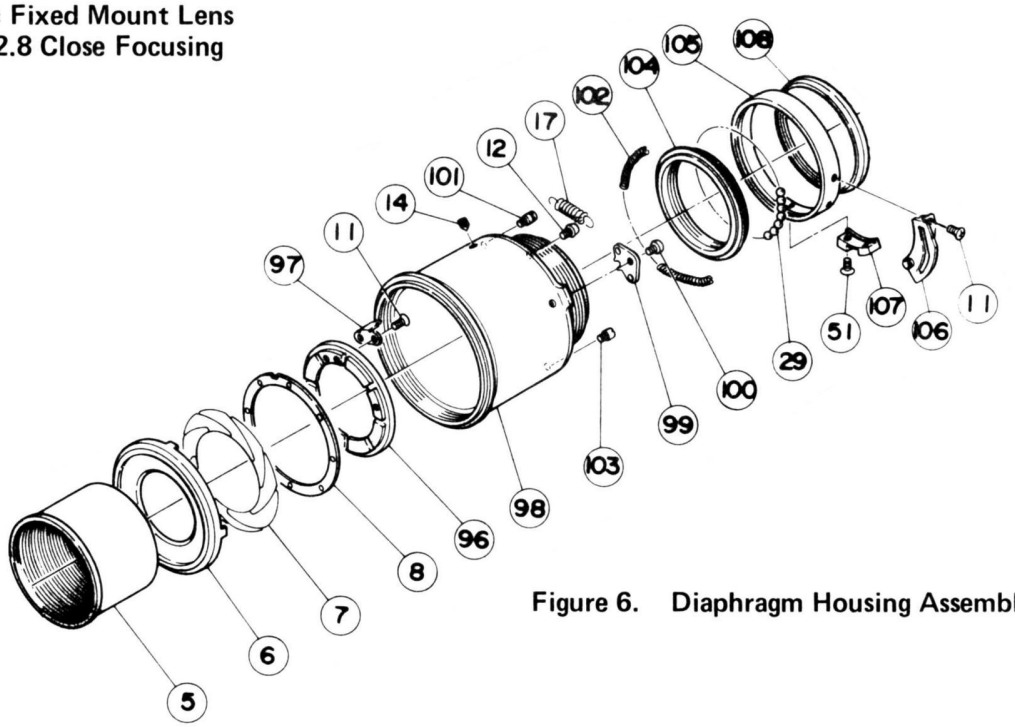

Figure 6. Diaphragm Housing Assembly, Konica

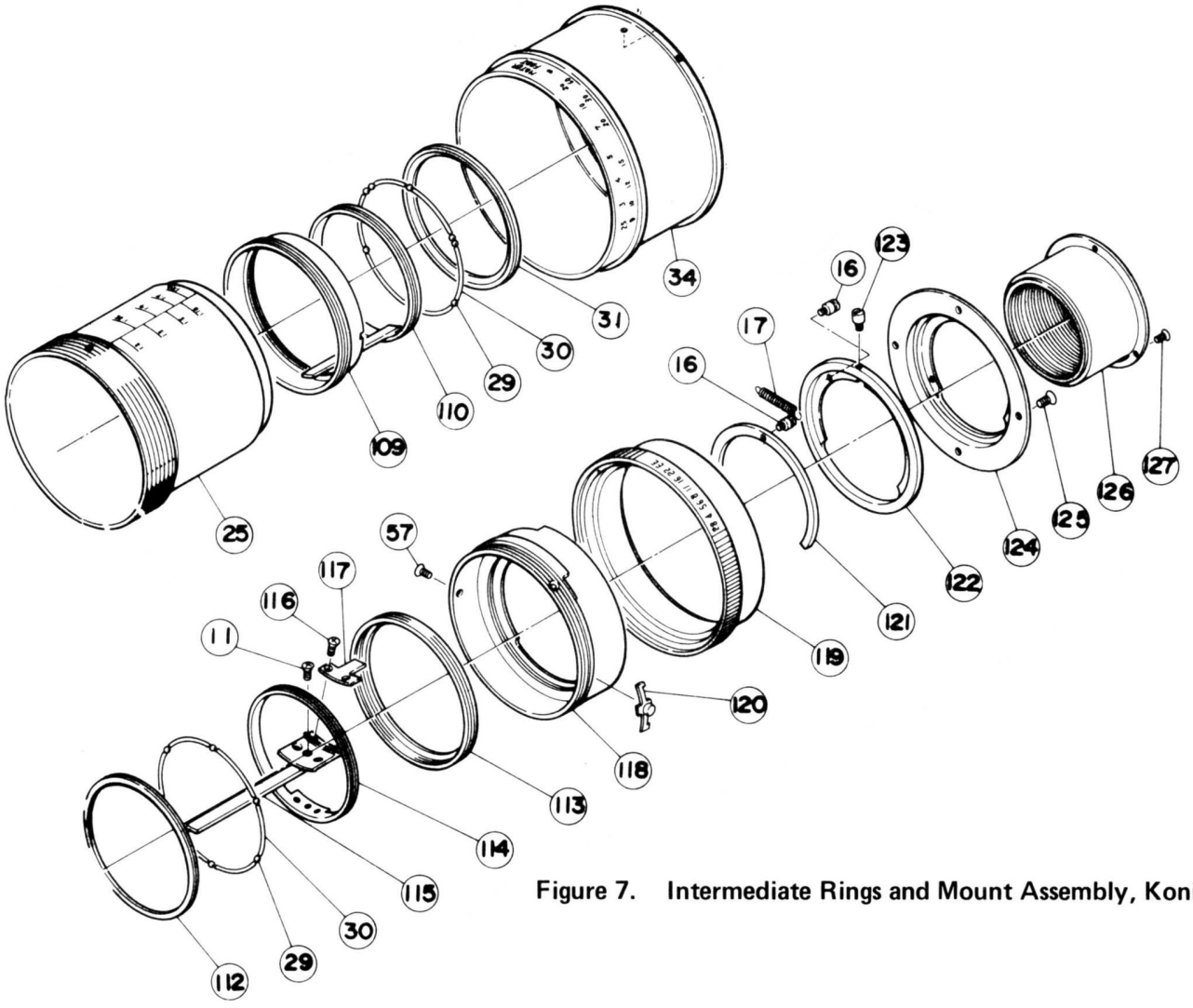

Figure 7. Intermediate Rings and Mount Assembly, Konica

Parts List for Figure 6. Diaphragm Housing Assembly, Konica

Ref.	Vivitar Part No.	Description	Part Code	Quantity
5	3101675	BAFFLE, FRONT	60901011	1
6	3101676	RING, DIAPHRAGM RTNG	60901021	1
7	3510404	BLADE, DIAPHRAGM, U, N, K, O	30701051	8
8	3516405	RING, BLADE	60701251	1
11	3513042	SCREW, FLTHD, 1.4x2.5, CHR	60031251	11
12	3513175	SCREW, PANHD, 1.4x1.8, CHR	60011181	1
14	3101680	SETSCREW	60000071	4
17	3513043	SPRING, COIL	60001161	2
29	3513041	BALL, STEEL, 1.5	60081161	85
51	3513583	SCREW, FLTHD, 1.4x3.0, CHR	60031301	2
96	3516471	RING, BLADE OPERATING	60705011(AS)	1
97	3516409	ARM, DIAPHRAGM RETURN	60701261	1
98	3101711	HOUSING, DIAPHRAGM	60905011	1
99	3516473	LEVER, DIAPHRAGM OPERATING	60705111(AS)	1
100	3513071	SCREW, PIVOT SHAFT	60005081	1
101	3513552	SCREW, SPECIAL HEAD	60000111	1
102	3513397	SPRING, COIL, CAM	60005161	1
103	3513066	SCREW, CAM OPERATING	60001181	1
104	3516417	RING, RTNR, BALL RACE	60701061	1
105	3516475	RING, APERTURE CAM	60705041	1
106	3516474	CAM, APERTURE	60705031(AS)	1
107	3101712	LUG, COUPLING	60905021	1
108	3516419	RING, BALL RACE	60701071	1

Parts List for Figure 7. Intermediate Rings and Mount Assembly, Konica

Ref.	Vivitar Part No.	Description	Part Code	Quantity
11	3513042	SCREW, FLTHD, 1.4x2.5, CHR	60031251	6
16	3101682	SCREW, SPRING POST	60000051	1
17	3513043	SPRING, COIL	60001161	1
25	3101688	TUBE, MAGNIFICATION SCALE	60901111	1
29	3513041	BALL, STEEL, 1.5	60081161	19
30	3513036	SPACER, BALL	60000081	12
31	3515124	RING, BALL RACE	60101081	1
34	3101690	RING, FOCUS SCALE	60901091	1
57	3513355	SCREW, FLTHD, 1.7x3.5, CHR	60032351	3
109	3101713	RING, BALL RACE HOUSING	60905031	1
110	3101714	RING, APERTURE TRANSFER	60905041	1
112	3513235	RING, BALL RETAINER	60001231-S	1
113	3513234	RING, BALL RACE	60001221-S	1
114	3516658	RING, AUTO DIAPHRAGM ACTUATOR	60505061	1
115	3101715	ARM, DIAPHRAGM ACTUATOR	60905051	1
116	3513019	SCREW, FLTHD, 1.4x2.0, CHR	60031201	2
117	3513117	ARM, AUTO DIAPHRAGM COUPLING	60005061	1
118	3516478	FRAME, MOUNT, K/AR	60705061	1
119	3516479	RING, APERTURE SETTING	60705071	1
120	3513120	BUTTON, EE LOCK RELEASE	60005131(AS)	1
121	3516480	RING, BUFFER	60704081	1
122	3516481	RING, APERTURE TRANSFER	60705091	1
123	3513123	SCREW, APERTURE RING	60005111	1
124	3513124	MOUNT, KONICA	60005041(AS)	1
125	3513125	SCREW, FLTHD, 1.7x4.0, CHR	60042402	4
126	3101716	PIPE, SHADE	60905061	1
127	3513189	SCREW, FLTHD, 1.4x2.2, BLK	60031223	3

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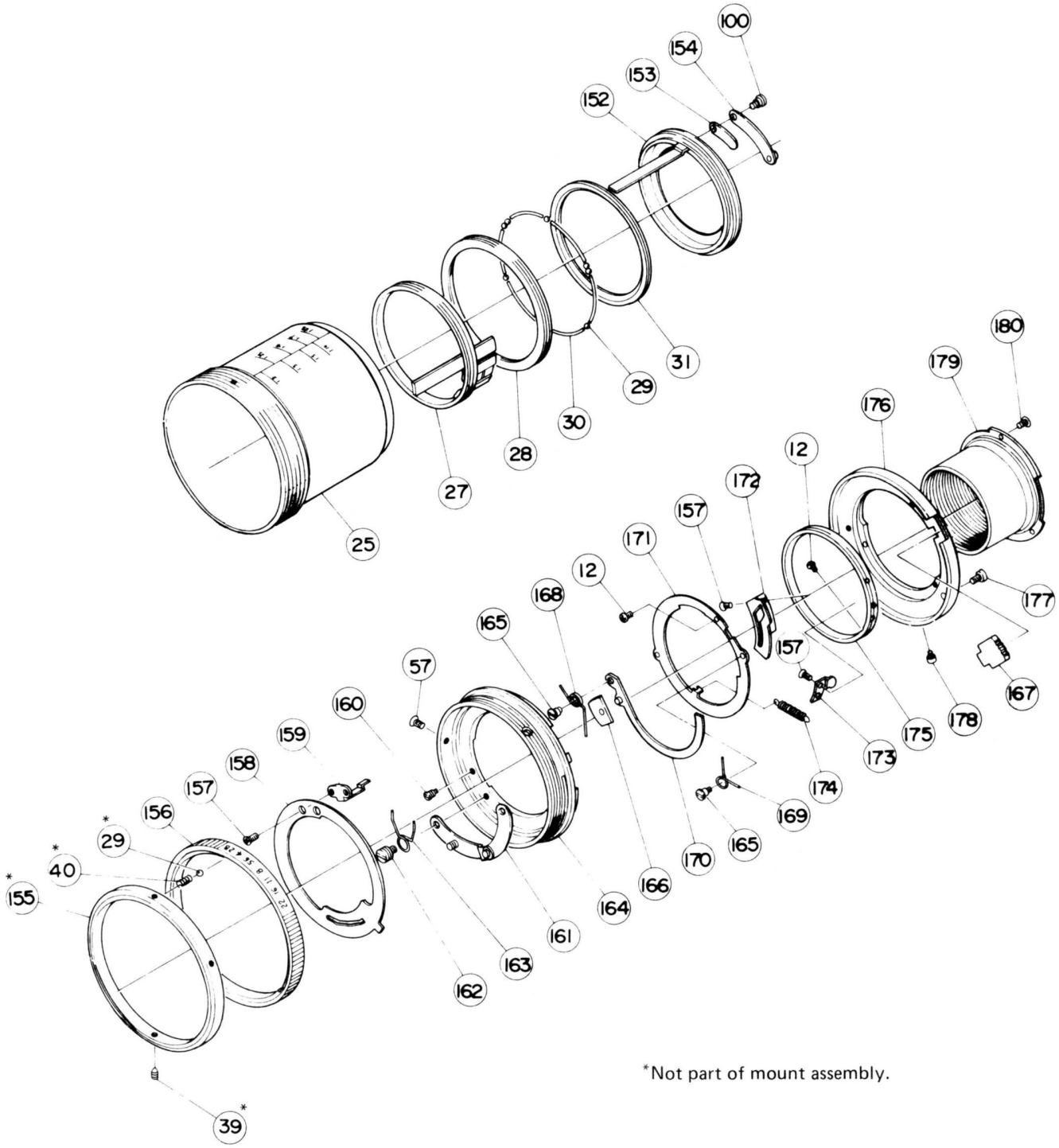

Figure 8. Intermediate Rings and Mount Assembly, Olympus

Parts List for Figure 8. Intermediate Rings and Mount Assembly, Olympus

Ref.	Vivitar Part No.	Description	Part Code	Quantity
12	3513175	SCREW, PANHD, 1.4x1.8, CHR	60011181	2
25	3101688	TUBE, MAGNIFICATION SCALE	60901111	1
27	3101689	RING, DIAPHRAGM ACTUATOR	60901071	1
28	3515123	RING, BALL RTNG	60101071	2
29	3513041	BALL, STEEL, 1.5	60081161	19
30	3513036	SPACER, BALL	60000081	12
31	3515124	RING, BALL RACE	60101081	1
39	3513039	SETSCREW, 1.7x2.4	60000061	3
40	3513048	SPRING, DETENT	60000031	1
57	3513355	SCREW, FLTHD, 1.7x3.5, CHR	60032351	3
100	3513071	SCREW, PIVOT SHAFT	60005081	1
152	3101722	RING, DIAPHRAGM ACTUATOR	60907011	1
153	3513155	WASHER, PRESSURE	60007051	1
154	3513158	ARM, ACTUATOR	60007061(AS)	1
155	3515172	RING, INDEX	60107011	1
156	3516509	RING, APERTURE SETTING	60507031	1
157	3513161	SCREW, FLTHD, 1.4x2.2, CHR	60031221	6
158	3101723	RING, APERTURE CAM	60907041	1
159	3513165	ARM, APERTURE COUPLING	60007071	1
160	3513166	SCREW, SPRING HOOK	60007151	1
161	3513167	LEVER, AUTO DIAPHRAGM	60007081(AS)	1
162	3513163	SCREW, PIVOT, DIAPHRAGM LEVER	60007141	1
163	3513164	SPRING, WIRE, DIAPHRAGM LEVER	60007221	1
164	3101724	FRAME, MOUNT, O/OM	60907021	1
165	3513170	SCREW, PIVOT, MANUAL LEVER	60007161	2
166	3513169	BUTTON, MANUAL DIAPHRAGM	60007031	1
167	3513173	BUTTON, MOUNT LOCK RELEASE	60007041	1
168	3513171	SPRING, WIRE, MANUAL BUTTON	60007231	1
169	3513174	SPRING, WIRE, LOCK RELEASE	60007241	1
170	3513172	LEVER, MANUAL DIAPHRAGM	60007101(AS)	1
171	3513183	RING, SUPPORT	60007111	1
172	3513184	CAM, MANUAL DIAPHRAGM	60007011	1
173	3513182	ARM, AUTO DIAPHRAGM COUPLING	60007131	1
174	3513176	SPRING, MANUAL RING	60007251	1
175	3513177	RING, DIAPHRAGM OPERATING	60007261	1
176	3513178	MOUNT, OLYMPUS	60007021	1
177	3513179	SCREW, PANHD, 2.0x3.0, CHR	60013302	3
178	3513181	SCREW, MOUNT STOP	60007171	1
179	3101725	PIPE, SHADE	60907031	1
180	3513193	SCREW, FLTHD, 1.4x1.8, BLK	60031183	3

Automatic Fixed Mount Lens
135mm f/2.8 Close Focusing

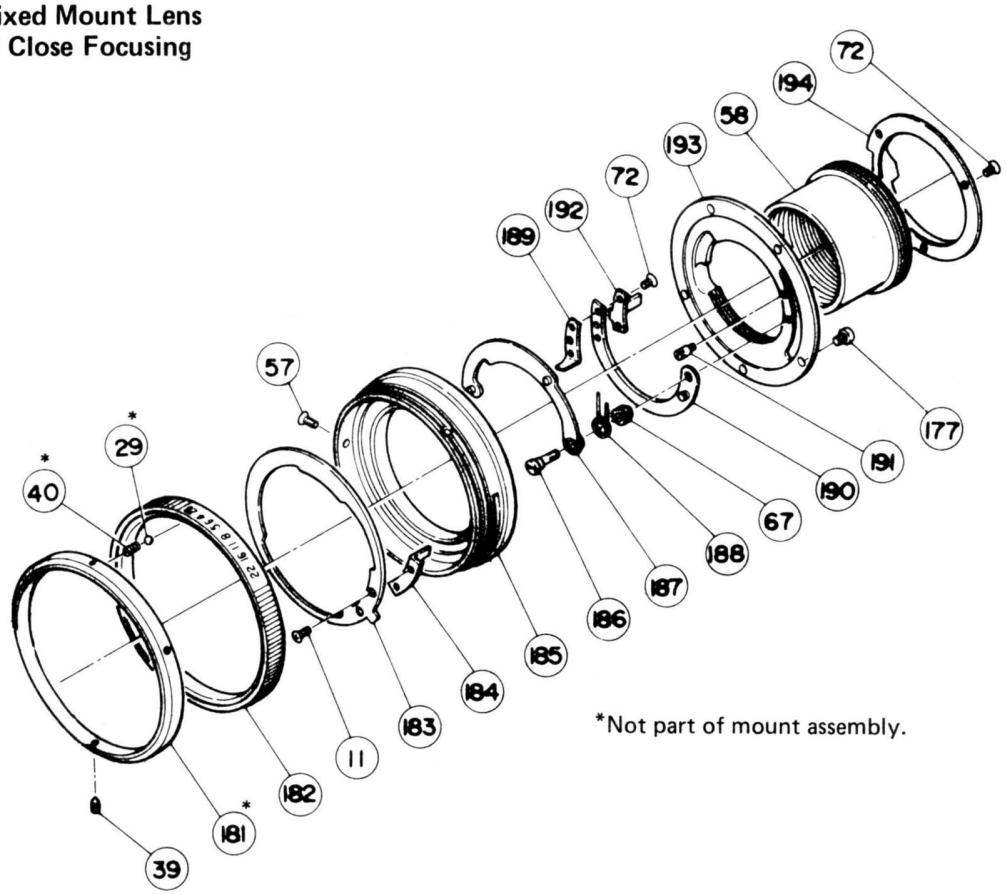

Figure 9. Mount Assembly, Pentax K

Parts List for Figure 9

Ref.	Vivitar Part No.	Description	Part Code	Quantity
11	3513042	SCREW, FLTHD, 1.4x2.5, CHR	60031251	8
29	3513041	BALL, STEEL, 1.5	60081161	19
39	3513039	SETSCREW, 1.7x2.4	60000061	3
40	3513048	SPRING, DETENT	60000031	1
57	3513355	SCREW, FLTHD, 1.7x3.5, CHR	60032351	3
58	3101694	PIPE, SHADE, U, C, P	60901141	1
67	3513103	BUSHING, PIVOT SCREW	60002071	1
72	3513094	SCREW, FLTHD, 1.4x3.0, BLK	60031303	5
177	3513179	SCREW, PANHD, 2.0x3.0, CHR	60013302	5
181	3101726	RING, INDEX, P/K	60108011	1
182	3101727	RING, APERTURE SETTING	60508021	1
183	3101728	RING, APERTURE CAM	60908031	1
184	3101729	ARM, APERTURE COUPLING	60108031	1
185	3101730	FRAME, MOUNT, P/K	60908011	1
186	3101731	SCREW, PIVOT, DIAPHRAGM LEVER	60108121	1
187	3101732	LEVER, APERTURE TRANSFER	60108081(AS)	1
188	3101733	SPRING, WIRE, DIAPHRAGM LEVER	60108151	1
189	3101734	LUG, LIMIT	60108091	1
190	3101735	LEVER, AUTO DIAPHRAGM	60108101(AS)	1
191	3101736	SCREW, SPRING POST	60108141	1
192	3101737	ARM, AUTO DIAPHRAGM COUPLING	60908041	1
193	3101738	MOUNT, PENTAX/K	60908021	1
194	3101739	RING, PROTECTIVE	60108061	1

COMPLETE PARTS LIST

Vivitar Part No.	Ref.	Description	Part Code	Quantity U	N	M	K	C	O	P
3101673	1	RING, NAME	50901011	1	1	1	1	1	1	1
3101674	2	LENS GROUP ASSY, FRONT	50901211	1	1	1	1	1	1	1
3101675	5	BAFFLE, FRONT	60901011	1	1	1	1	1	1	1
3101676	6	RING, DIAPHRAGM RTNG	60901021	1	1	1	1	1	1	1
3101677	9	RING, BLADE OPERATING	60901191	1	1	1		1	1	1
3101678	10	ARM, DIAPHRAGM OPERATING	60901151	1	1	1		1	1	1
3101679	13	HOUSING, DIAPHRAGM	60901031	1	1	1		1	1	1
3101680	14	SETSCREW	60000071	4	4	4	4	4	4	4
3101681	15	CAM, APERTURE ADJUST	60901171	1	1	1		1	1	1
3101682	16	SCREW, SPRING POST	60000051	1	1	1		1	1	1
3101683	18	LENS GROUP, REAR	50901221	1	1	1	1	1	1	1
3101684	19	SLEEVE, SCALE TUBE	60901041	1	1	1	1	1	1	1
3101685	20	TUBE, SCALE	60901051	1	1	1	1	1	1	1
3101686	21	SLEEVE, HELICOID	60901061	1	1	1	1	1	1	1
3101687	24	HELICOID	60901081	1	1	1	1	1	1	1
3101688	25	TUBE, MAGNIFICATION SCALE	60901111	1	1	1	1	1	1	1
3101689	27	RING, DIAPHRAGM ACTUATOR	60901071	1	1	1		1	1	1
3101690	34	RING, FOCUS SCALE	60901091	1	1	1	1	1	1	1
3101691	36	GRIP, RUBBER	60901101	1	1	1	1	1	1	1
3101693	56	MOUNT, UNIV	60901131	1						
3101694	58	PIPE, SHADE, U, C, P	60901141	1				1		1
3101695	59	RING, APERTURE TRANSFER	60902021		1					
3101696	60	RING, INDEX, N/AI	60102012		1					
3101697	61	FRAME, MOUNT, N/AI	60502032		1					
3101698	62	RING, APERTURE SETTING, N/AI	60502022		1					
3101699	63	FORK, APERTURE COUPLING, N/AI	60002012		1					
3101700	64	SCREW, COUPLING FORK, N/AI	60012252		1					
3101701	73	MOUNT, NIKON/AI	60902031		1					
3101702	75	PIPE, SHADE	60902041		1					
3101703	78	RING, APERTURE TRANSFER	60903011			1				1
3101704	80	RING, APERTURE SETTING	60503022			1				
3101705	81	SCREW, LUG ATTACHING	60072254			1				
3101706	82	LUG, APERTURE COUPLING, M/MD	60503131			1				
3101707	84	RING, APERTURE CAM	60903031			1				
3101708	92	FRAME, MOUNT, M, MD	60903041			1				
3101709	93	MOUNT, MINOLTA/MD	60000092			1				
3101710	95	PIPE, SHADE	60903021			1				
3101711	98	HOUSING, DIAPHRAGM	60905011				1			
3101712	107	LUG, COUPLING	60905021				1			
3101713	109	RING, BALL RACE HOUSING	60905031				1			
3101714	110	RING, APERTURE TRANSFER	60905041				1			
3101715	115	ARM, DIAPHRAGM ACTUATOR	60905051				1			
3101716	126	PIPE, SHADE	60905061				1			
3101717	128	RING, DIAPHRAGM ACTUATOR	60906021(AS)					1		
3101718	131	RING, RTNG, APERTURE RING	60906031					1		
3101719	132	CAM, APERTURE	60905041					1		
3101720	143	SPRING, WIRE	60106081					1		
3101721	146	SCREW, PANHD, 1.4x1.5	60021151					1		
3101722	152	RING, DIAPHRAGM ACTUATOR	60907011						1	
3101723	158	RING, APERTURE CAM	60907041						1	
3101724	164	FRAME, MOUNT, O/OM	60907021						1	
3101725	179	PIPE, SHADE	60907031						1	
3101726	181	RING, INDEX, P/K	60108011							1
3101727	182	RING, APERTURE SETTING	60508021							1
3101728	183	RING, APERTURE CAM	60908031							1
3101729	184	ARM, APERTURE COUPLING	60108031							1
3101730	185	FRAME, MOUNT, P/K	60908011							1
3101731	186	SCREW, PIVOT, DIAPHRAGM LEVER	60108121							1
3101732	187	LEVER, APERTURE TRANSFER	60108081(AS)							1
3101733	188	SPRING, WIRE, DIAPHRAGM LEVER	60108151							1
				U	N	M	K	C	O	P

COMPLETE PARTS LIST, Continued

Vivitar Part No.	Ref.	Description	Part Code	Quantity U	N	M	K	C	O	P
3101734	189	LUG, LIMIT	60108091							1
3101735	190	LEVER, AUTO DIAPHRAGM	60108101(AS)							1
3101736	191	SCREW, SPRING POST	60108141							1
3101737	192	ARM, AUTO DIAPHRAGM COUPLING	60908041							1
3101738	193	MOUNT, PENTAX/K	60908021							1
3101739	194	RING, PROTECTIVE	60108061							1
3101740		DIAPHRAGM ASSY, U, N, O	30901021	1	1				1	
3101741		HELICOID ASSY	30901031	1	1	1	1	1	1	1
3101742		MOUNT ASSEMBLY, U-M42	30901041	1						
3101743		MOUNT ASSEMBLY, N/AI	30902041		1					
3101744		DIAPHRAGM HOUSING ASSY, M, C, P/K	30903021			1		1		1
3101745		MOUNT, ASSY, M/MD	30903041			1				
3101746		DIAPHRAGM HOUSING ASSY, K/AR	30905021				1			
3101747		MOUNT ASSY, K/AR	30905041				1			
3101748		MOUNT ASSY, C/FD	30906461					1		
3101749		MOUNT ASSY, O/OM	30907041						1	
3101750		MOUNT ASSY, P/K	30908041							1
3101751	32	RING, APERTURE TRANSFER	60901121	1						
3104156	2A	LENS ELEMENT, 1ST	43401012	1	1	1	1	1	1	1
3104157	2B	LENS ELEMENT, 2ND	43401022	1	1	1	1	1	1	1
3104158	2C	LENS ELEMENT, 3RD	40901131	1	1	1	1	1	1	1
3513019	116	SCREW, FLTHD, 1.4x2.0, CHR	60031201				2	2		
3513028	48	SCREW, PANHD, 1.4x3.0	60021301	3				3		
3513036	30	SPACER, BALL	60000081	12	12	12	12	12	12	12
3104055	50	PLATE, STOP	60001051	1						
3510404	7	BLADE, DIAPHRAGM, U, N, K, O	30701051	8	8		8		8	
3510405	8	RING, BLADE	60701251	1	1	1	1	1	1	1
3513037	33	RING, BALL RACE	60006231	1	1	1		2	1	1
3513039	39	SETSCREW, 1.7x2.4	60000061	3	3	3	3	3	3	3
3513041	29	BALL, STEEL, 1.5	60081161	19	19	19	85	116	19	19
3513042	11	SCREW, FLTHD, 1.4x2.5, CHR	60031251	6	6	6	11	6	6	8
3513043	17	SPRING, COIL	60001161	1	1	1	2	2	1	1
3513048	40	SPRING, DETENT	60000031	1	1	1	2	2	1	1
3513051	43	SCREW, PIVOT, DIAPHRAGM LEVER	60001081	1				1		
3513052	44	LEVER, AUTO DIAPHRAGM	60001191-P(AS)	1						
3513053	45	BUSHING, PIVOT SCREW	60001111	1				1		
3513056	54	SPRING, FLAT, DETENT	60001061	1						
3513064	55	PIN, AUTO DIAPHRAGM ACTUATING	60000011	1						
3513066	103	SCREW, CAM OPERATING	60001181				1	1		
3513071	100	SCREW, PIVOT SHAFT	60005081				1		1	
3513092	76	SCREW, LOCKING	60002091		1					
3513093	74	SCREW, PANHD, 1.7x3.0, CHR	60012302		5					
3513090	141	SCREW, SPRING HOOK	60006151					1		
3513094	72	SCREW, FLTHD, 1.4x3.0, BLK	60031303		5	5				5
3513099	85	SCREW, PIVOT, DIAPHRAGM LEVER	60003051			1				
3513102	91	SPRING, WIRE, DIAPHRAGM LEVER	60003071			1				
3513103	67	BUSHING, PIVOT SCREW	60002071		1	1				1
3513104	87	LEVER, AUTO DIAPHRAGM	60003041(AS)			1				
3513117	117	ARM, AUTO DIAPHRAGM COUPLING	60005061				1			
3513152	134	SCREW, SPRING HOOK	60006081					2		
3513189	127	SCREW, FLTHD, 1.4x2.2, BLK	60031223				3	3		
3513120	120	BUTTON, EE LOCK RELEASE	60005131(AS)				1			
3513123	123	SCREW, APERTURE RING	60005111				1			
3513124	124	MOUNT, KONICA	60005041(AS)				1			
3513125	125	SCREW, FLTHD, 1.7x4.0, CHR	60042402				4		4	
3513134	86	LEVER, APERTURE CAM	60006241			1		1		
3513138	137	GUIDE, SPRING	60006021					1		
3513143	147	RING, BALL RETAINER	60206061					1		
3513144	148	MOUNT, CANON	60006041(AS)					1		
3513149	140	SCREW, SPRING HOOK	60006071					1		
3513151	135	SPRING, COIL, CAM RING	60006141					1		
3513155	153	WASHER, PRESSURE	60007051						1	
3513156	139	PIN, EE SIGNAL	60006101					1		
				U	N	M	K	C	O	P

COMPLETE PARTS LIST, Continued

Vivitar Part No.	Ref.	Description	Part Code	Quantity U	N	M	K	C	O	P
3513158	154	ARM, ACTUATOR	60007061(AS)						1	
3513161	157	SCREW, FLTHD, 1.4x2.2, CHR	60031221						6	
3513163	162	SCREW, PIVOT, DIAPHRAGM LEVER	60007141						1	
3513164	163	SPRING, WIRE, DIAPHRAGM LEVER	60007221						1	
3513165	159	ARM, APERTURE COUPLING	60007071						1	
3513166	160	SCREW, SPRING HOOK	60007151						1	
3513167	161	LEVER, AUTO DIAPHRAGM	60007081(AS)						1	
3513169	166	BUTTON, MANUAL DIAPHRAGM	60007031						1	
3513170	165	SCREW, PIVOT, MANUAL LEVER	60007161						2	
3513171	168	SPRING, WIRE, MANUAL BUTTON	60007231						1	
3513172	170	LEVER, MANUAL DIAPHRAGM	60007101(AS)						1	
3513173	167	BUTTON, MOUNT LOCK RELEASE	60007041						1	
3513174	169	SPRING, WIRE, LOCK RELEASE	60007241						1	
3513175	12	SCREW, PANHD, 1.4x1.8, CHR	60011181	2	2	2	1	2	4	2
3513176	174	SPRING, MANUAL RING	60007251						1	
3513177	175	RING, DIAPHRAGM OPERATING	60007261						1	
3513178	176	MOUNT, OLYMPUS	60007021						1	
3513179	177	SCREW, PANHD, 2.0x3.0, CHR	60013302						3	3
3513181	178	SCREW, MOUNT STOP	60007171						1	
3513182	173	ARM, AUTO DIAPHRAGM COUPLING	60007131						1	
3513183	171	RING, SUPPORT	60007111						1	
3513184	172	CAM, MANUAL DIAPHRAGM	60007011						1	
3513193	180	SCREW, FLTHD, 1.4x1.8, BLK	60031183						3	
3513234	113	RING, BALL RACE	60001221-S				1			
3513235	112	RING, BALL RETAINER	60001231-S				1			
3513258	133	RING, APERTURE CAM	60006011					1		
3513271	145	PLATE, SPRING HOOK	60006181					1		
3513286	4	WASHER	60001011	4	4	4	4	4	4	4
3513294	66	LEVER, APERTURE CAM	60001191-N(AS)		1					
3513295	49	LEVER, AUTO DIAPHRAGM TRANSFER	60001021	1						
3513355	57	SCREW, FLTHD, 1.7x3.5, CHR	60032351	3	3	3	3	3	3	3
3513364	46	SCREW, PIVOT	60001171	1						
3513370	52	BUTTON, AUTO/MANUAL	60001071	1						
3513347	94	SCREW, FLTHD, 1.7x4.0, CHR	60032401			3				
3513397	102	SPRING, COIL, CAM	60005161				1			
3513429	151	RING, BREECHLOCK	60006051				1			
3513430	150	SCREW, SIGNAL	60006091				1			
3513507	53	SCREW, PANHD, 1.4x2.2, CHR	60021221	1						
3513513	3	SCREW, PANHD, 1.4x3.5, CHR	60021351	4	4	4	4	4	4	4
3513524	47	RING, AUTO/MANUAL	60001291	1						
3513530	65	SCREW, PIVOT, DIAPHRAGM LEVER	60002051		1					
3513531	68	SPRING, WIRE, DIAPHRAGM LEVER	60002081		1					
3513533	69	ARM, DIAPHRAGM ACTUATOR	60002021		1					
3513534	70	LEVER, AUTO DIAPHRAGM	60002031(AS)		1					
3513535	71	ARM, AUTO DIAPHRAGM COUPLING	60002041		1					
3513542	88	SCREW, FLTHD, 1.4x3.5, BLK	60021353			1				
3513545	89	LINK, DIAPHRAGM LEVER	60003021			1				
3513546	90	SPACER, DIAPHRAGM LEVER PLATE	60003081			1				
3513552	101	SCREW, SPECIAL HEAD	60000111				1			
3513583	51	SCREW, FLTHD, 1.4x3.0, CHR	60031301	2			2			
3515119	22	ROLLER, CAM	60101211	4	4	4	4	4	4	4
3515120	23	SHAFT, CAM ROLLER	60101241	4	4	4	4	4	4	4
3515123	28	RING, BALL RTNG	60101071	2	2	2		2	2	2
3515124	31	RING, BALL RACE	60101081	1	1	1	1	1	1	1
3515128	35	SCREW, INFINITY STOP	60101231	1	1	1	1	1	1	1
3515132	38	RING, INDEX, UNIV	60101141	1						
3515150	79	RING, INDEX, M/MD	60103021			1				
3515152	83	RING, SPACER	60003091			1				
3515162	129	RING, INDEX, C/FD	60106011					1		
3515165	136	SCREW, STOP	60006061					1		
				U	N	M	K	C	O	P

COMPLETE PARTS LIST, Continued

Vivitar Part No.	Ref.	Description	Part Code	Quantity U	N	M	K	C	O	P
3515167	142	RING, AUTO DIAPHRAGM	60006161(AS)					1		
3515168	111	RING, INDEX, K/AR	60105051				1			
3515172	155	RING, INDEX	60107011						1	
3516409	97	ARM, DIAPHRAGM RETURN	60701261				1			
3516417	104	RING, RTNR, BALL RACE	60701061				1			
3516418	144	SPACER, BALL	60000122					7		
3516419	108	RING, BALL RACE	60701071				1			
3516428	26	SCREW, FLTHD, 1.4x2.2	60101281	1	1	1	1	1	1	1
3516435	37	SETSCREW, 1.7x3.0	60101301	3	3	3	3	3	3	3
3516455	77	BLADE, DIAPHRAGM, M, C, P	30703051			8		8		8
3516471	96	RING, BLADE OPERATING	60705011(AS)				1			
3516473	99	LEVER, DIAPHRAGM OPERATING	60705111(AS)				1			
3516474	106	CAM, APERTURE	60705031(AS)				1			
3516475	105	RING, APERTURE CAM	60705041				1			
3516478	118	FRAME, MOUNT, K/AR	60705061				1			
3516479	119	RING, APERTURE SETTING	60705071				1			
3516480	121	RING, BUFFER	60705081				1			
3516481	122	RING, APERTURE TRANSFER	60705091				1			
3516486	130	RING, APERTURE SETTING	60706041					1		
3516492	138	FRAME, MOUNT, C/FD	60706051					1		
3516499	149	PIPE, SHADE	60006121					1		
3516509	156	RING, APERTURE SETTING	60507031						1	
3516658	114	RING, AUTO DIAPHRAGM ACTUATOR	60505061				1			
				U	N	M	K	C	O	P

Vivitar
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