Vivitar

Illustrated Parts List



Series 1 Lens 200mm f/3.0

HOW TO USE THIS PUBLICATION

I. CAUTIONS

This publication is intended for use by persons having the 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 of the product.

SPECIAL CAUTION FOR ELECTRICAL PRODUCTS

If the product herein described is electrically operated, its servicing will require extreme caution. Improper handling could result in serious or fatal personal injury or damage to the product.

II. HOW TO FIND PART ORDER NUMBERS

Parts are illustrated on "exploded" drawings where each part is identified by a reference number (having three digits or fewer) or a designator. These reference numbers appear in numerical order in the parts lists (designators appear alphabetically), where they are cross-referenced to part order numbers and descriptions.

When the initials N.A.S. appear in the "Part Number" column, that part is Not Available Separately, and 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).

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

U = Vivitar-Universal Thread Mount C = Canon FL/FD Series Mount
N = Nikon F, Nikkormat Series Mount
K = Konica Autoreflex Series Mount
O = Olympus OM Series Mount

Note that some parts are common to more than one mount. This commonality is shown in the parts lists so that service centers desiring to stock replacement parts can order economically.

III. 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 order number, description, and required quantity.

Mail or phone parts orders to:

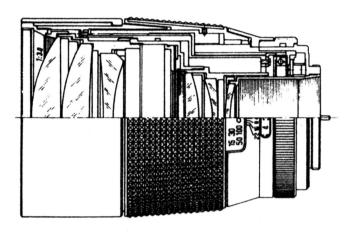
Vivitar Central Parts Service 2700 Pennsylvania Avenue Santa Monica, California 90406

Telephone: (213) 829-3672

or (213) 870-0181

PARTS MANUAL VIVITAR SERIES 1 200mm F/3.0 AUTOMATIC TELEPHOTO LENSES

GENERAL SPECIFICATIONS

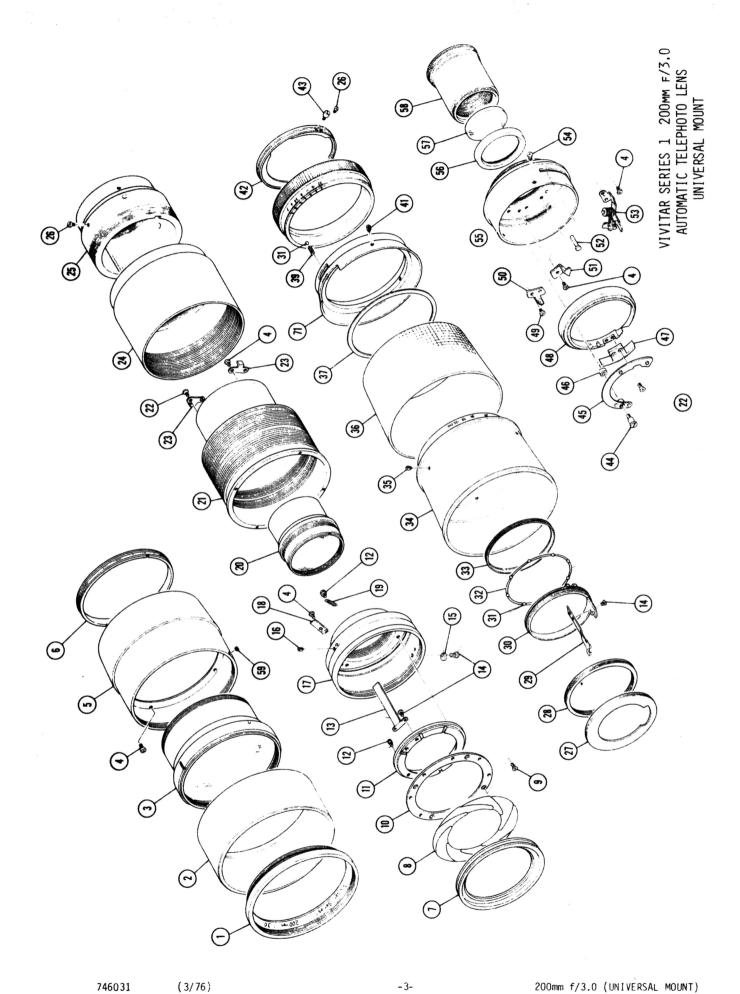


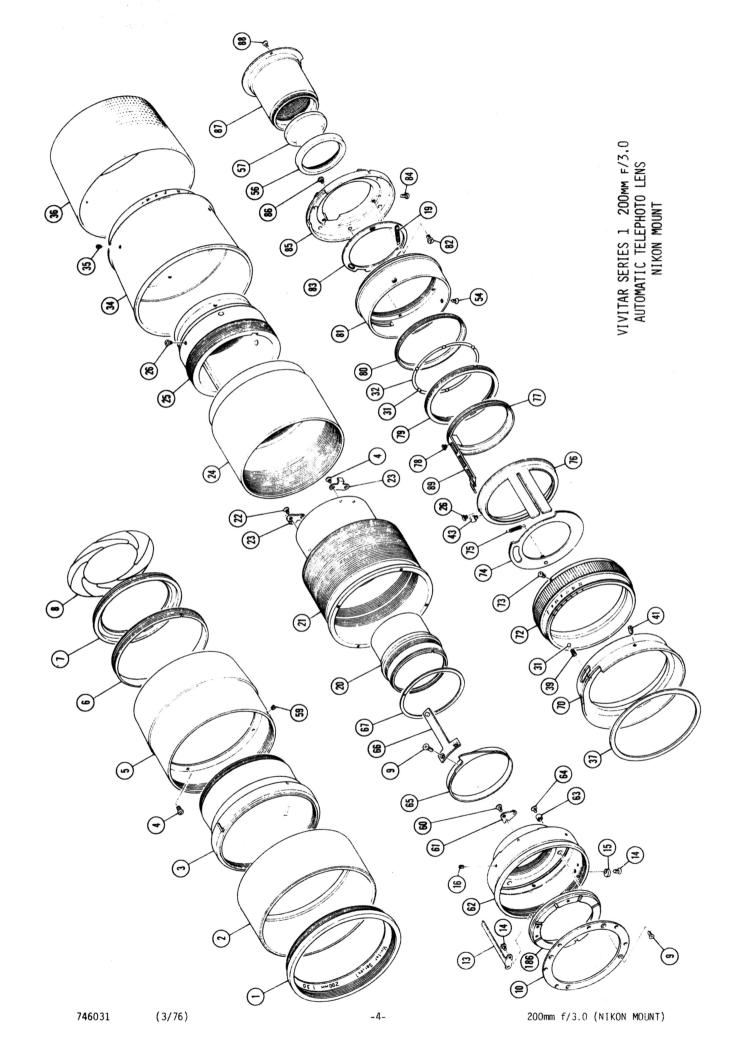
One of the fastest automatic 200mm lenses available, the Series 1 200mm f3.0 employs a uniquely positioned rear compensating element to automatically correct aberrations at all points from the closest focusing distance to infinity. The 4X magnification over a normal lens combined with the large aperture make it an unusually desirable lens for true telephotography, and its compact design is ideal for sports and wild life subjects. Because of its unique optical design, high resolution and contrast are consistent throughout the focusing range from 4 feet to infinity.

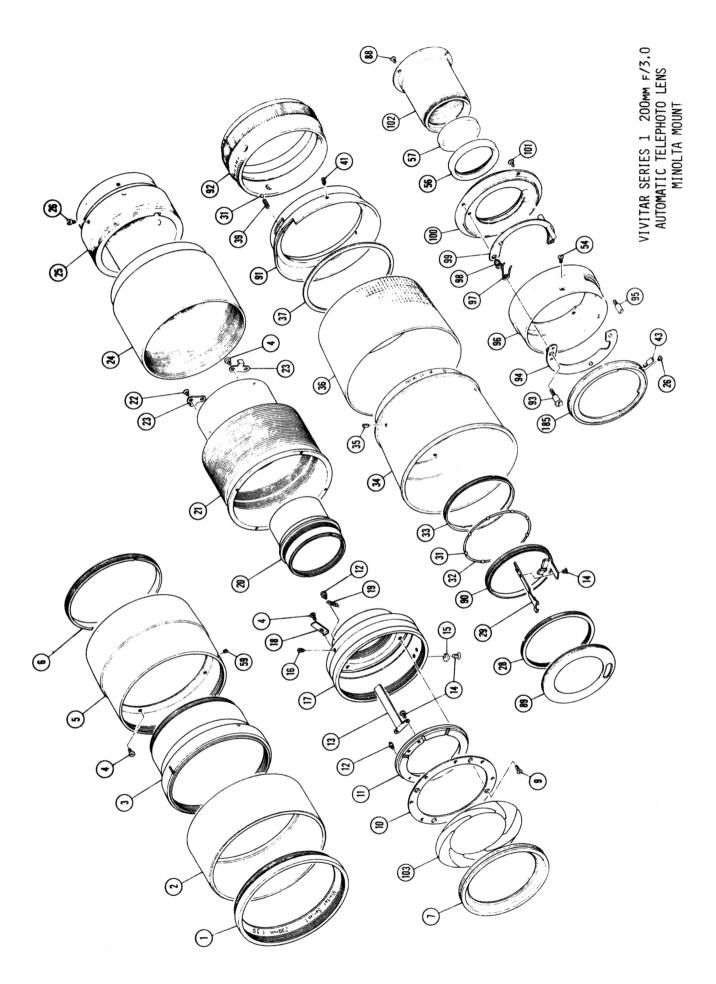
Optical Specificatio	ns	Mechanical Specifications						
Construction:	6 elements, 6 groups	Accessory size:	72mm					
Effective focal		Weight:	27 ounces					
length:	200mm	Overall length.	4.7 inches					
Back focal length:	77.8mm	Track length.	1.18 inches					
Angle of acceptance	: 12 degrees	Maximum barrel						
Minimum focus		diameter:	31/s inches					
distance:	4' from focal plane 3'4.7" from front element	Aperture range:	f3.0 — f22 f3.0 — f16*					
Max. magnification	1:4 normal size	Lens hood	Built-in, retractable					
		*EE coupled lenses only						

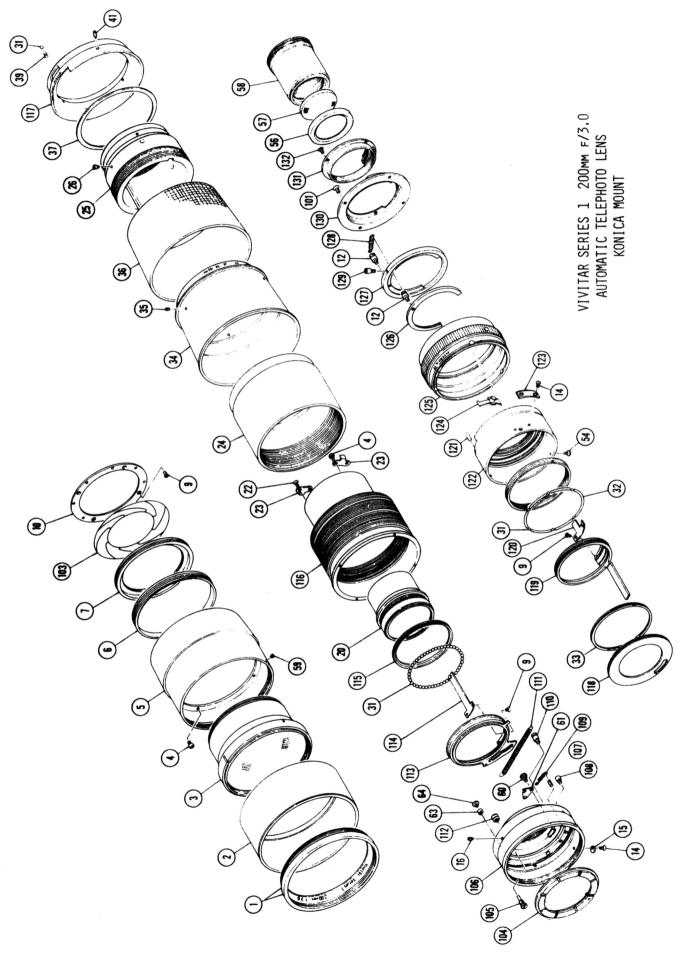
Product specifications are subject to change without notice.

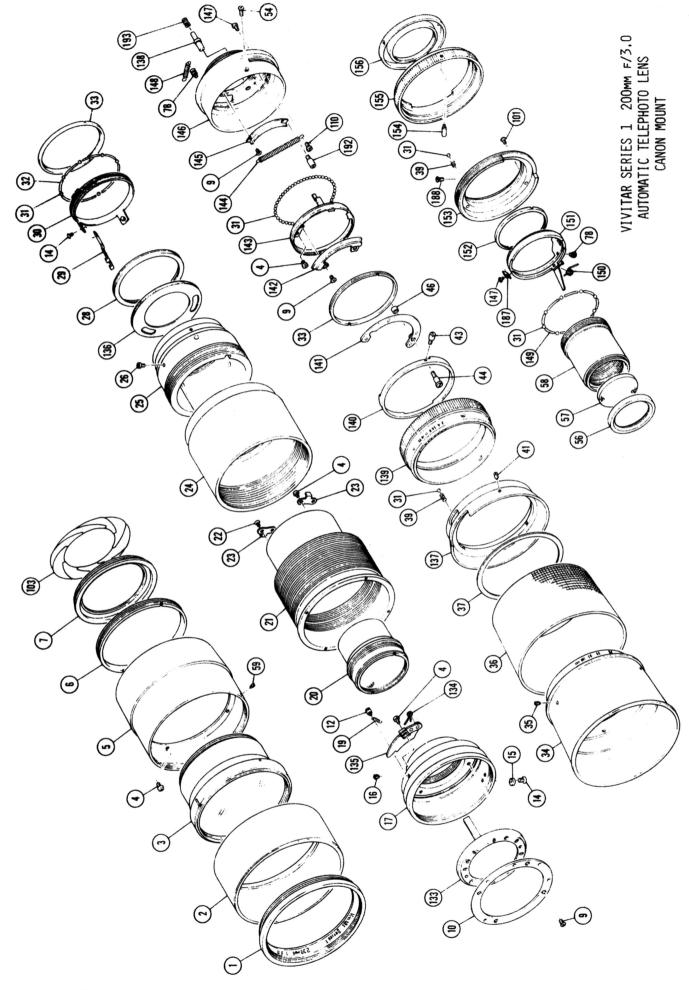
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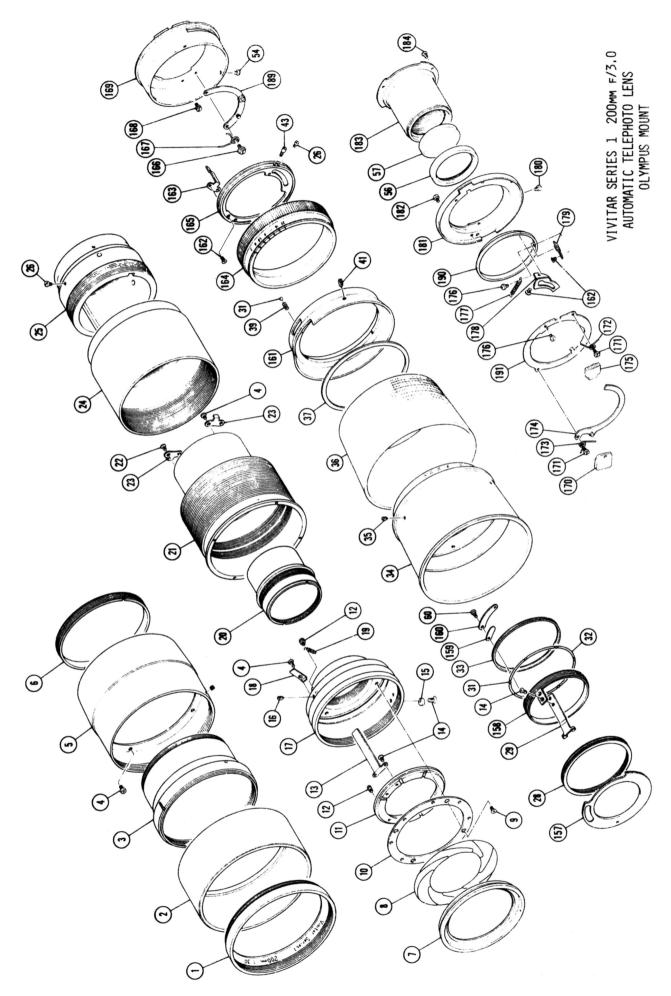








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FERENCE	DESCRIPTION	PART NUMBER	U	MUDIT N	. & M	QUAN K	C	
1	RING, NAME	513200	1	1	1	1	1	
2	HOOD	513201	1	1	1	1	1	
3	LENS ASSEMBLY, 1st, 2nd, 3rd	513202	1	1	1	1	1	
4	SCREW	513012	10	6	7	6	8	
5	RING, FRONT	513203	1	1	1	1	1	
6	RING, RETAINER	513015	1	1	1	1	1	
7	RING, BLADE RETAINER	513204	1	1	1	1	1	
8	BLADE, DIAPHRAGM (SET)	513017	8	8				
9	SCREW	513019	4	6	4	8	8	
10	WASHER, DIAPHRAGM BLADE	513020	1	1	1	1	1	
11	RING, DIAPHRAGM BLADE OPERATING	513206	1		1			
12	SCREW, SPRING HOOK	513044	2		2	2	1	
13	LEVER, OPERATING RING	513207	1	1	1			
14	SCREW, FLAT HEAD	513042	5	3	5	3	3	
15	CAM, DIAPHRAGM ADJUST	513045	1	1	1	1	1	
16	SETSCREW	513023	3	3	3	3	3	
17	HOUSING, DIAPHRAGM	513022	1		1		1	
18	PLATE, STOP	513208	1		1			
19	SPRING, DIAPHRAGM	513043	1	1	1	1	1	
20	LENS ASSEMBLY, 4th, 5th	513209	1	1	1	1	1	
21	HELICOID, FIRST	513210	1	1	1	1	1	
22	SCREW	513028	4	2	2	2	2	
23	GUIDE, HELICOID	513027	2	2	2	2	2	
24	HELICOID, SECOND	513211	1	1	1	1	1	
25	HELICOID, THIRD	513212	1	1	1	1	1	
26	SCREW, STOP	513031	2	2	2	1	1	
27	RING, BAFFLE	513213	1					
28	RING, BALL RECEPTACLE	513033	1		1	1	1	
29	LEVER, OPERATING	513214	1		1		1	
30	RING, DIAPHRAGM OPERATING	513035	1					
31	BALL, 1.5ø STEEL	513041	7	7	7	90	104	
32	SPACER	513036	6	6	6	6	6	
33	RING, BALL HOLDER	513037	1		1	1	1	
34	RING, FOCUSING	513215	1	1	1	1	1	
35	SETSCREW	513039	3	3	3	3	3	
36	GRIP, FOCUSING	513216	1	1	1	1	1	
37	WASHER	513046	1	1	1	1	1	
38	RING, DEPTH OF FIELD	513217	1					
39	SPRING, DETENT	513048	1	1	1	2	2	
40	RING, DIAPHRAGM	513218	1					
41	SETSCREW	513067	3	3	3	3	3	
42	RING, CAM	513219	1					

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REFERENCE	DESCRIPTION	PART NUMBER	U	MOUNT N	Г & М	QUA K	NTIT' C	Y C
43	SCREW, CAM OPERATION	513066	1	1	1		1	1
44	SCREW, SHAFT	513051	1				1	
45	LEVER, DIAPHRAGM OPERATING	513052	1					
46	WASHER, CONTROL METAL SHAFT	513053	1				1	
47	LEVER, MANUAL DIAPHRAGM	513065	1					
4 8	RING, MANUAL DIAPHRAGM	513054	1					
49	SCREW, FLAT HEAD	513055	2					
50	SPRING, DETENT	513056	1					
51	PLATE, STOP	513057	1					
52	PIN, DIAPHRAGM OPERATING	513064	1					
53	CRANK ASSEMBLY, DIAPHRAGM	513063	1					
54	SCREW	513062	3	3	3	3	3	3
55	FRAME, PENTAX MOUNT	513058	1					
56	HOLDER, 6th LENS	513220	1					
57	ELEMENT, 6th LENS	513221	1					
58	HOUSING, 6th LENS	513222	1			1	1	
59	SETSCREW	513223	1	1	1	1	1	1
60	SHAFT, SECTOR	513071	1		1		1	
61	PLATE, SECTOR (SET)	513070		1		1		
62	HOUSING, DIAPHRAGM	513069		1				
63	NUT, ROUND	513072		4		4		
64	SCREW, FLAT	513073		4		4		
65	RING, CAM	513224		1				
66	LEVER, CAM	513225		1				
67	RING, SETTING	513076		1				
68	RING, FOCUSING	513226	1	1	1	1	1	1
69	GRIP, FOCUSING	513227	1	1	1	1	1	1
70	RING, DEPTH OF FIELD (NIKON)	513228		1				
71	RING, DEPTH OF FIELD (U)	513229	1					
72	RING, DIAPHRAGM (NIKON)	512230		1				
73	SCREW, COUPLER PLATE	513080		1				
74	RING, BAFFLE	513231		1				
75	SPRING	513089		1				
76	RING, CAM OPERATION	513232		1				
77	RING, OPERATING	513233		1				
78	SCREW, SPRING HOOK	513090		1			1	
79	RING, BALL RECEPTACLE	513234		1				
80	RING, BALL HOLDING	513235		1				
81	FRAME, MOUNT (NIKON)	513083		1				
82	SCREW, BUFFER RING	513091		3				
83	RING, BUFFER	513085		1				
84	SCREW, FLAT	513092		1				
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REFERENCE	DESCRIPTION	PART NUMBER	MOUNT & QUANTITY U N M K C O
85	MOUNT, NIKON	513086	1
86	SCREW, PAN HEAD	513093	5
87	HOUSING, 6th LENS	513236	1
88	SCREW, FLAT HEAD	513094	3 3
89	RING, BAFFLE	513237	1
90	RING, OPERATING	513095	1
91	RING, DEPTH OF FIELD	513238	1
92	RING, DIAPHRAGM	513239	1
93	SHAFT, CONTROL METAL	513099	1
94	LEVER, DIAPHRAGM OPERATING	513100	1
95	SCREW, METAL CONTROL	513106	1
96	FRAME, MOUNT (MINOLTA)	513101	1
97	SPRING	513102	1
98	SPACER, OPERATING LEVER	513103	1
99	LEVER, OPERATING	513104	1
100	MOUNT, MINOLTA	513305	1
101	SCREW, MOUNT	513125	4 4 3
102	FRAME, 6th LENS	513240	1
103	BLADE, DIAPHRAGM (SET)	513107	8 8 8
104	RING, DIAPHRAGM OPERATING	513241	1
105	SCREW, ROLLER SHAFT	513071	1
106	HOUSING, DIAPHRAGM	513108	1
107	SPRING, CROWN WASHER	513185	1
108	SCREW, CAM STOP	513186	1
109	SPRING, CROWN WASHER	513187	1
110	SCREW, SPRING HOOK	513152	1 2
111	SPRING	513188	1
112	ROLLER	513111	1
113	RING, CAM	513242	1
114	LEVER, CAM	513243	1
115	RING, BALL HOLDER	513113	1
116	HELICOID, FIRST	513244	1
117	RING, DEPTH OF FIELD	513245	1
118	RING, BAFFLE	513246	1
119	RING, OPERATING	513247	1
120	LEVER, OPERATING	513117	1
121	PIN, CONTROL	513248	1
122	FRAME, MOUNT	513118	1
123	SPRING, LOCK	513119	1
124	LOCK BUTTON	513120	1
125	RING, DIAPHRAGM	513249	1
126	RING, BUFFER	513122	1
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127 RING, STOPPER 513128 1 128 SPRING 513043 1 129 SCREW, STOP RING 513124 1 130 MOUNT, KONICA 513124 1 131 RING, COVER 513250 1 132 SCREW 513189 3 3 133 RING, DIAPHAGM OPERATING 513189 3 3 134 SPRING, BUFFER PLATE 513190 1 135 PLATE, BUFFER PLATE 513190 1 136 RING, BAFFLE 513252 1 137 RING, DEPTH OF FIELD 513253 1 138 PIN, DISCRIMINATION 513254 1 139 RING, DIAPHAGM FIELD 513255 1 140 RING, STOP 513255 1 141 LEVER, DIAPHAGM OPERATING 513256 1 142 PLATE, CAM 513257 1 143 RING, DIAPHAGM OPERATING 513134 1 144 SPRING, CAM 513257 1 145 SPRING, CAM 513257 1 146 SPRING, RECEPTACLE 513138 1 146 FRAME, CAMON MOUNT 513139 1 147 SCREW, FLAT 513140 2 148 SPRING 513140 1 149 SPACER 513259 7 150 SPRING 154164 5 151 RING, DIAPHAGM COUPLING 513140 1 149 SPACER 513259 7 150 SPRING 513140 1 149 SPACER 513259 7 150 SPRING 513140 1 151 RING, DIAPHAGM COUPLING 513140 1 152 RING, BAFFLE 513140 1 153 MOUNT, CANON 513139 1 154 SCREW, FLAT 513140 1 155 RING, DIAPHAGM COUPLING 513256 1 156 RING, DIAPHAGM COUPLING 513260 1 157 RING, BAFFLE 513263 1 158 RING, OVER 513266 1 159 WASHER 513165 1 160 LEVER, DEPARTING 513266 1 159 WASHER 513165 1 160 LEVER, OPERATING 513266 1 161 RING, DEPTH OF FIELD 513266 1 162 SCREW, FLAT 513163 1 164 RING, DEPTH OF FIELD 513266 1 165 RING, OVER 513266 1 166 SCREW, SHAFT 513163 1 167 SPRING 513164 1 168 SCREW, SPRING HOOK 513166 1	REFERENCE	DESCRIPTION	PART NUMBER	MOUNT & QUANTITY U N M K C (
128 SPRING	127	RING, STOPPER	513128	1
129 SCREM, STOP RING 513123 1 130 MOUNT, KONICA 513124 1 1 131 RING, COVER 5131250 1 132 SCREM 513189 3 3 3 133 RING, DIAPHRAGM OPERATING 513251 1 1 1 1 1 1 1 1 1			513043	1
130 MOUNT, KONICA 513124 1 131 RING, COVER 513250 1 131 RING, COVER 513250 1 131 RING, COVER 513250 1 13251 1 134 SPRING, BUFFER PLATE 513190 1 135 PLATE, BUFFER PLATE 513191 1 1 136 RING, BAFFLE 513252 1 137 RING, DEPTH OF FILED 513252 1 137 RING, DEPTH OF FILED 513253 1 138 PIN, DISCRIMINATION 513254 1 138 PIN, DISCRIMINATION 513255 1 140 RING, STOP 513255 1 141 LEVER, DIAPHRAGM OPERATING 513134 1 142 PLATE, CAM 513257 1 143 RING, DIAPHRAGM OPERATING 513134 1 1 1 1 1 1 1 1 1			513123	1
131 RING, COVER		MOUNT, KONICA	513124	1
132 SCREM			513250	1
133 RING, DIAPHRAGM OPERATING 513251 1 134 SPRING, BUFFER PLATE 513190 1 135 PLATE, BUFFER FR 513191 1 136 RING, BÁFFLE 513252 1 137 RING, DEPTH OF FIELD 513253 1 138 PIN, DISCRIMINATION 513254 1 139 RING, DIAPHRAGM 513255 1 140 RING, STOP 513256 1 141 LEVER, DIAPHRAGM OPERATING 513134 1 142 PLATE, CAM 513257 1 143 RING, DIAPHRAGM SETTING 513258 1 144 SPRING, CAM 513151 1 145 SPRING, RECEPTACLE 513138 1 146 FRAME, CAMON MOUNT 513139 1 147 SCREW, FLAT 513149 2 148 SPRING 513269 1 149 SPACER 513259 7 150 SPRING 513260 1 151 RING, DIAPHRAGM COUPLING 513260 1 152 RING, BALL RETAINER 513143 1 153 MOUNT, CANON 513143 1 155 RING, LOCKING 513147 1 155 RING, LOCKING 513147 1 156 RING, COVER 513262 1 157 RING, BALL RETAINER 513146 1 158 RING, OPERATING 513261 1 159 WASHER 513262 1 157 RING, BAFFLE 513263 1 159 WASHER 513266 1 161 RING, OPERATING 513261 1 162 SCREW, FLAT 513165 1 163 LEVER, OUPLING 513265 1 164 RING, OPERATING 513266 1 165 RING, OPERATING 513266 1 166 SCREW, SHAFT 513163 1 167 SPRING 513167 1 166 SCREW, SHAFT 513163 1 167 SPRING 513164 1			513189	3 3
134 SPRING, BUFFER PLATE 513190 1 135 PLATE, BUFFER 513191 1 136 RING, BÄFFLE 513252 1 137 RING, DEPTH OF FIELD 513252 1 138 PIN, DISCRIMINATION 513254 1 139 RING, DIAPHRAGM 513255 1 140 RING, STOP 513256 1 141 LEVER, DIAPHRAGM OPERATING 513134 1 142 PLATE, CAM 513257 1 143 RING, DIAPHRAGM SETTING 513258 1 144 SPRING, CAM 513151 1 145 SPRING, CAM 513151 1 146 FRAME, CANON MOUNT 513139 1 147 SCREW, FLAT 513149 2 148 SPRING 513140 1 149 SPACER 513259 7 150 SPRING 513140 1 149 SPACER 513259 7 150 SPRING 513140 1 151 RING, DIAPHRAGM COUPLING 513260 1 151 RING, DIAPHRAGM COUPLING 513260 1 152 RING, BALL RETAINER 513143 1 153 MOUNT, CANON 513139 1 154 SCREW, SIGNAL 513147 1 155 RING, LOCKING 513146 1 156 RING, COVER 513262 1 157 RING, BAFFLE 513263 1 158 RING, OPERATING 513264 1 159 WASHER 513155 1 160 LEVER, OPERATING 513166 1 161 RING, OPERATING 513166 1 162 SCREW, FLAT 513163 1 164 RING, DEPTH OF FIELD 513266 1 165 RING, OPERATING 513166 1 164 RING, DEPTH OF FIELD 513266 1 165 RING, CAM 513266 1 166 SCREW, SHAFT 513163 1 167 SPRING 513163 1 167 SPRING 513161 66 168 CREW, SHAFT 513163 1 167 SPRING 513163 1 167 SPRING 513164 1		RING, DIAPHRAGM OPERATING	513251	1
135		SPRING, BUFFER PLATE	513190	1
136 RING, BÁFFLE 513252 1 137 RING, DEPTH OF FIELD 513253 1 138 PIN, DISCRIMINATION 513254 1 139 RING, DIAPHRAGM 513255 1 140 RING, STOP 513256 1 141 LEVER, DIAPHRAGM OPERATING 513134 1 142 PLATE, CAM 513257 1 143 RING, DIAPHRAGM SETTING 513258 1 144 SPRING, CAM 513151 1 1 1 1 1 1 1 1 1	135	PLATE, BUFFER	513191	1
137 RING, DEPTH OF FIELD 513253 1 138 PIN, DISCRIMINATION 513254 1 139 RING, DIAPHRAGM 513255 1 140 RING, STOP 513256 1 141 LEVER, DIAPHRAGM OPERATING 513134 1 142 PLATE, CAM 513257 1 143 RING, DIAPHRAGM SETTING 513258 1 144 SPRING, CAM 513151 1 145 SPRING, RECEPTACLE 513138 1 146 FRAME, CANON MOUNT 513139 1 147 SCREW, FLAT 513149 2 148 SPRING 513140 1 149 SPACER 513259 7 150 SPRING 513260 1 151 RING, DIAPHRAGM COUPLING 513261 1 152 RING, BALL RETAINER 513143 1 153 MOUNT, CANON 513139 1 154 SCREW, SIGNAL 513147 1 155 RING, LOCKING 513146 1 156 RING, COVER 513262 1 157 RING, BAFFLE 513263 1 158 RING, COVER 513264 1 159 WASHER 513265 1 161 RING, DEPTH OF FIELD 513265 1 162 SCREW, FLAT HEAD 513161 6 163 LEVER, OPERATING 513165 1 164 RING, DIAPHRAGM 513266 1 165 RING, CAM 513267 1 166 SCREW, SHAFT 513163 1 167 SPRING 513164 1 167 SPRING 513164 1 167 SPRING 513164 1 168 SCREW, SHAFT 513163 1 169 SCREW, SHAFT 513163 1 160 LEVER, SHAFT 513163 1 161 SPRING 513164 1 161 SPRING 513164 1 166 SCREW, SHAFT 513163 1 167 SPRING 513164 1 168 SCREW, SHAFT 513163 1 169 SPRING 513164 1 160 SCREW, SHAFT 513163 1 161 SPRING 513164 1 161 SPRING 513164 1 166 SCREW, SHAFT 513163 1 167 SPRING 513164 1 168 SPRING SPRING 513164 1 169 SPRING 513164 1 160 SCREW, SHAFT 513164 1 161 SPRING SPRING SPRING		RING, BAFFLE	513252	1
RING, DIAPHRAGM 513255 1	137		513253	1
140 RING, STOP 513256 1 141	138	PIN, DISCRIMINATION	513254	1
141 LEVER, DIAPHRAGM OPERATING 513134 1 142 PLATE, CAM 513257 1 143 RING, DIAPHRAGM SETTING 513258 1 144 SPRING, CAM 513151 1 145 SPRING, RECEPTACLE 513138 1 146 FRAME, CANON MOUNT 513139 1 147 SCREW, FLAT 513149 2 148 SPRING 513140 1 149 SPACER 513259 7 150 SPRING 513260 1 151 RING, DIAPHRAGM COUPLING 513261 1 152 RING, BALL RETAINER 513143 1 153 MOUNT, CANON 513139 1 154 SCREW, SIGNAL 513147 1 155 RING, LOCKING 513146 1 156 RING, COVER 513262 1 157 RING, BAFLE 513263 1 158 RING, OPERATING 513264 1 159 WASHER 513264 1 159 WASHER 513155 1 160 LEVER, OPERATING 513264 1 161 RING, OPERATING 513155 1 162 SCREW, FLAT HEAD 513156 1 164 RING, OPERATING 513161 6 165 RING, COWPLING 513165 1 166 SCREW, FLAT HEAD 513161 6 167 SPRING 513163 1 166 SCREW, SHAFT 513163 1 167 SPRING 513164 1 167 SPRING 513164 1 168	139	RING, DIAPHRAGM	513255	1
142 PLATE, CAM 513257 1 143 RING, DIAPHRAGM SETTING 513258 1 144 SPRING, CAM 513151 1 145 SPRING, RECEPTACLE 513138 1 146 FRAME, CANON MOUNT 513139 1 147 SCREW, FLAT 513149 2 148 SPRING 513140 1 149 SPACER 513259 7 150 SPRING 513260 1 151 RING, DIAPHRAGM COUPLING 513261 1 152 RING, BALL RETAINER 513143 1 153 MOUNT, CANON 513139 1 154 SCREW, SIGNAL 513147 1 155 RING, LOCKING 513146 1 156 RING, COVER 513262 1 157 RING, BAFFLE 513263 1 158 RING, OPERATING 513264 1 159 WASHER 513155 1 160 LEVER, OPERATING 513155 1 161 RING, DEPTH OF FIELD 513265 1 162 SCREW, FLAT HEAD 513161 6 163 LEVER, COUPLING 513161 6 164 RING, DIAPHRAGM 513266 1 165 RING, CAM 513267 1 166 SCREW, SHAFT 513163 1 167 SPRING 513164 1	140	RING, STOP	513256	1
143 RING, DIAPHRAGM SETTING 513258 1 144 SPRING, CAM 513151 1 145 SPRING, RECEPTACLE 513138 1 146 FRAME, CANON MOUNT 513139 1 147 SCREW, FLAT 513149 2 148 SPRING 513140 1 149 SPACER 513269 7 150 SPRING 513260 1 151 RING, DIAPHRAGM COUPLING 513260 1 152 RING, BALL RETAINER 513143 1 153 MOUNT, CANON 513143 1 154 SCREW, SIGNAL 513147 1 155 RING, LOCKING 513147 1 155 RING, SIGNAL 513146 1 156 RING, SOCKING 513146 1 157 RING, BAFFLE 513262 1 158 RING, OPERATING 513264 1 159 MASHER 513155 1 160 LEVER, OPERATING 513165 1	141	LEVER, DIAPHRAGM OPERATING	513134	1
144 SPRING, CAM 513151 1 145 SPRING, RECEPTACLE 513138 1 146 FRAME, CANON MOUNT 513139 1 147 SCREW, FLAT 513149 2 148 SPRING 513140 1 149 SPACER 513259 7 150 SPRING 513260 1 151 RING, DIAPHRAGM COUPLING 513261 1 152 RING, BALL RETAINER 513143 1 153 MOUNT, CANON 513139 1 154 SCREW, SIGNAL 513147 1 155 RING, LOCKING 513146 1 156 RING, COVER 513262 1 157 RING, BAFFLE 513263 1 158 RING, OPERATING 513264 1 159 WASHER 513155 1 160 LEVER, OPERATING 513158 1 161 RING, DEPTH OF FIELD 513265 1 162 SCREW, FLAT HEAD 513161 6 163 LEVER, COUPLING 513165 1 164 RING, DIAPHRAGM 513266 1 165 RING, CAM 513267 1 166 SCREW, SHAFT 513163 1 167 SPRING 513161 1 168 SCREW, SHAFT 513163 1 169 SCREW, SHAFT 513163 1 160 SCREW, SHAFT 513163 1 160 SCREW, SHAFT 513163 1 161 RING, DEPTH OF FIELD 513267 1 165 RING, CAM 513267 1 166 SCREW, SHAFT 513163 1 167 SPRING 513164 1	142	PLATE, CAM	513257	1
145 SPRING, RECEPTACLE 513138 1 146 FRAME, CANON MOUNT 513139 1 147 SCREW, FLAT 513149 2 148 SPRING 513140 1 149 SPACER 513259 7 150 SPRING 513260 1 151 RING, DIAPHRAGM COUPLING 513261 1 152 RING, BALL RETAINER 513143 1 153 MOUNT, CANON 513139 1 154 SCREW, SIGNAL 513147 1 155 RING, LOCKING 513146 1 155 RING, LOCKING 513146 1 156 RING, COVER 513262 1 157 RING, BAFFLE 513263 1 158 RING, OPERATING 513264 1 159 WASHER 513155 1 160 LEVER, OPERATING 513158 1 161 RING, DEPTH OF FIELD 513265 1 162 SCREW, FLAT HEAD 513165 1	143	RING, DIAPHRAGM SETTING	513258	1
146 FRAME, CANON MOUNT 513139 1 147 SCREW, FLAT 513149 2 148 SPRING 513140 1 149 SPACER 513259 7 150 SPRING 513260 1 151 RING, DIAPHRAGM COUPLING 513260 1 151 RING, DIAPHRAGM COUPLING 513261 1 152 RING, BALL RETAINER 513143 1 153 MOUNT, CANON 513143 1 154 SCREW, SIGNAL 513147 1 155 RING, LOCKING 513147 1 155 RING, LOCKING 513146 1 156 RING, COVER 513262 1 157 RING, BAFFLE 513263 1 158 RING, OPERATING 513264 1 159 MASHER 513155 1 160 LEVER, OPERATING 513158 1 161 RING, DEPTH OF FIELD 513265 1 162 SCREW, FLAT HEAD 513165 1 <t< td=""><td>144</td><td>SPRING, CAM</td><td>513151</td><td>1</td></t<>	144	SPRING, CAM	513151	1
147 SCREW, FLAT 513149 2 148 SPRING 513140 1 149 SPACER 513259 7 150 SPRING 513260 1 151 RING, DIAPHRAGM COUPLING 513261 1 152 RING, BALL RETAINER 513143 1 153 MOUNT, CANON 513139 1 154 SCREW, SIGNAL 513147 1 155 RING, LOCKING 513146 1 156 RING, COVER 513262 1 157 RING, BAFFLE 513263 1 158 RING, OPERATING 513263 1 159 WASHER 513155 1 160 LEVER, OPERATING 513158 1 161 RING, DEPTH OF FIELD 513265 1 162 SCREW, FLAT HEAD 513161 6 163 LEVER, COUPLING 513165 1 164 RING, DIAPHRAGM 513266 1 165 RING, CAM 513267 1 166	145	SPRING, RECEPTACLE	513138	1
148 SPRING 513140 1 149 SPACER 513259 7 150 SPRING 513260 1 151 RING, DIAPHRAGM COUPLING 513261 1 152 RING, BALL RETAINER 513143 1 153 MOUNT, CANON 513139 1 154 SCREW, SIGNAL 513147 1 155 RING, LOCKING 513146 1 156 RING, COVER 513262 1 157 RING, BAFFLE 513263 1 158 RING, OPERATING 513263 1 159 WASHER 513155 1 160 LEVER, OPERATING 513158 1 161 RING, DEPTH OF FIELD 513265 1 162 SCREW, FLAT HEAD 513161 6 163 LEVER, COUPLING 513165 1 164 RING, DIAPHRAGM 513266 1 165 RING, CAM 513267 1 166 SCREW, SHAFT 513164 1 16	146	FRAME, CANON MOUNT	513139	1
149 SPACER 513259 7 150 SPRING 513260 1 151 RING, DIAPHRAGM COUPLING 513261 1 152 RING, BALL RETAINER 513143 1 153 MOUNT, CANON 513139 1 154 SCREW, SIGNAL 513147 1 155 RING, LOCKING 513146 1 156 RING, LOCKING 513146 1 157 RING, BAFFLE 513262 1 158 RING, OPERATING 513263 1 159 WASHER 513155 1 160 LEVER, OPERATING 513155 1 161 RING, DEPTH OF FIELD 513265 1 162 SCREW, FLAT HEAD 513161 6 163 LEVER, COUPLING 513165 1 164 RING, DIAPHRAGM 513266 1 165 RING, CAM 513267 1 166 SCREW, SHAFT 513163 1 167 SPRING 513164 1	147	SCREW, FLAT	513149	2
150 SPRING 513260 1	148	SPRING	513140	1
151 RING, DIAPHRAGM COUPLING 513261 1 152 RING, BALL RETAINER 513143 1 153 MOUNT, CANON 513139 1 154 SCREW, SIGNAL 513147 1 155 RING, LOCKING 513146 1 156 RING, COVER 513262 1 157 RING, BAFFLE 513263 1 158 RING, OPERATING 513264 1 159 WASHER 513155 1 160 LEVER, OPERATING 513158 1 161 RING, DEPTH OF FIELD 513265 1 162 SCREW, FLAT HEAD 513161 6 163 LEVER, COUPLING 513165 1 164 RING, DIAPHRAGM 513266 1 165 RING, CAM 513267 1 166 SCREW, SHAFT 513163 1 167 SPRING 513164 1	149	SPACER	513259	7
152 RING, BALL RETAINER 513143 1 153 MOUNT, CANON 513139 1 154 SCREW, SIGNAL 513147 1 155 RING, LOCKING 513146 1 156 RING, COVER 513262 1 157 RING, BAFFLE 513263 1 158 RING, OPERATING 513264 1 159 WASHER 513155 1 160 LEVER, OPERATING 513158 1 161 RING, DEPTH OF FIELD 513265 1 162 SCREW, FLAT HEAD 513161 6 163 LEVER, COUPLING 513165 1 164 RING, DIAPHRAGM 513266 1 165 RING, CAM 513267 1 166 SCREW, SHAFT 513163 1 167 SPRING 513164 1	150	SPRING	513260	1
153 MOUNT, CANON 513139 1 154 SCREW, SIGNAL 513147 1 155 RING, LOCKING 513146 1 156 RING, COVER 513262 1 157 RING, BAFFLE 513263 1 158 RING, OPERATING 513264 1 159 WASHER 513155 1 160 LEVER, OPERATING 513158 1 161 RING, DEPTH OF FIELD 513265 1 162 SCREW, FLAT HEAD 513161 6 163 LEVER, COUPLING 513165 1 164 RING, DIAPHRAGM 513266 1 165 RING, CAM 513267 1 166 SCREW, SHAFT 513163 1 167 SPRING 513164 1	151	RING, DIAPHRAGM COUPLING	513261	1
154 SCREW, SIGNAL 513147 1 155 RING, LOCKING 513146 1 156 RING, COVER 513262 1 157 RING, BAFFLE 513263 1 158 RING, OPERATING 513264 1 159 WASHER 513155 1 160 LEVER, OPERATING 513158 1 161 RING, DEPTH OF FIELD 513265 1 162 SCREW, FLAT HEAD 513161 6 163 LEVER, COUPLING 513165 1 164 RING, DIAPHRAGM 513266 1 165 RING, CAM 513267 1 166 SCREW, SHAFT 513163 1 167 SPRING 513164 1	152	RING, BALL RETAINER	513143	1
155 RING, LOCKING 513146 1 156 RING, COVER 513262 1 157 RING, BAFFLE 513263 1 158 RING, OPERATING 513264 1 159 WASHER 513155 1 160 LEVER, OPERATING 513158 1 161 RING, DEPTH OF FIELD 513265 1 162 SCREW, FLAT HEAD 513161 6 163 LEVER, COUPLING 513165 1 164 RING, DIAPHRAGM 513266 1 165 RING, CAM 513267 1 166 SCREW, SHAFT 513163 1 167 SPRING 513164 1	153	MOUNT, CANON	513139	1
156 RING, COVER 513262 1 157 RING, BAFFLE 513263 1 158 RING, OPERATING 513264 1 159 WASHER 513155 1 160 LEVER, OPERATING 513158 1 161 RING, DEPTH OF FIELD 513265 1 162 SCREW, FLAT HEAD 513161 6 163 LEVER, COUPLING 513165 1 164 RING, DIAPHRAGM 513266 1 165 RING, CAM 513267 1 166 SCREW, SHAFT 513163 1 167 SPRING 513164 1	154	SCREW, SIGNAL	513147	1
157 RING, BAFFLE 513263 1 158 RING, OPERATING 513264 1 159 WASHER 513155 1 160 LEVER, OPERATING 513158 1 161 RING, DEPTH OF FIELD 513265 1 162 SCREW, FLAT HEAD 513161 6 163 LEVER, COUPLING 513165 1 164 RING, DIAPHRAGM 513266 1 165 RING, CAM 513267 1 166 SCREW, SHAFT 513163 1 167 SPRING 513164 1	155	RING, LOCKING	513146	1
158 RING, OPERATING 513264 1 159 WASHER 513155 1 160 LEVER, OPERATING 513158 1 161 RING, DEPTH OF FIELD 513265 1 162 SCREW, FLAT HEAD 513161 6 163 LEVER, COUPLING 513165 1 164 RING, DIAPHRAGM 513266 1 165 RING, CAM 513267 1 166 SCREW, SHAFT 513163 1 167 SPRING 513164 1	156	RING, COVER	513262	1
159 WASHER 513155 1 160 LEVER, OPERATING 513158 1 161 RING, DEPTH OF FIELD 513265 1 162 SCREW, FLAT HEAD 513161 6 163 LEVER, COUPLING 513165 1 164 RING, DIAPHRAGM 513266 1 165 RING, CAM 513267 1 166 SCREW, SHAFT 513163 1 167 SPRING 513164 1	157	RING, BAFFLE	513263	1
160 LEVER, OPERATING 513158 161 RING, DEPTH OF FIELD 513265 162 SCREW, FLAT HEAD 513161 163 LEVER, COUPLING 513165 164 RING, DIAPHRAGM 513266 165 RING, CAM 513267 166 SCREW, SHAFT 513163 167 SPRING 513164 1	158	RING, OPERATING	513264	1
161 RING, DEPTH OF FIELD 513265 162 SCREW, FLAT HEAD 513161 163 LEVER, COUPLING 513165 164 RING, DIAPHRAGM 513266 165 RING, CAM 513267 166 SCREW, SHAFT 513163 167 SPRING 513164 1	159	WASHER	513155	1
162 SCREW, FLAT HEAD 513161 6 163 LEVER, COUPLING 513165 1 164 RING, DIAPHRAGM 513266 1 165 RING, CAM 513267 1 166 SCREW, SHAFT 513163 1 167 SPRING 513164 1	160	LEVER, OPERATING	513158	1
163 LEVER, COUPLING 513165 1 164 RING, DIAPHRAGM 513266 1 165 RING, CAM 513267 1 166 SCREW, SHAFT 513163 1 167 SPRING 513164 1	161	RING, DEPTH OF FIELD	513265	1
164 RING, DIAPHRAGM 513266 1 165 RING, CAM 513267 1 166 SCREW, SHAFT 513163 1 167 SPRING 513164 1	162	SCREW, FLAT HEAD	513161	6
165 RING, CAM 513267 1 166 SCREW, SHAFT 513163 1 167 SPRING 513164 1	163	LEVER, COUPLING	513165	1
166 SCREW, SHAFT 513163 1 167 SPRING 513164 1	164	RING, DIAPHRAGM	513266	, 1
167 SPRING 513164 1	165	RING, CAM	513267	1
rance 1	166	SCREW, SHAFT	513163	1
168 SCREW, SPRING HOOK 513166	167	SPRING	513164	1
	168	SCREW, SPRING HOOK	513166	1

PARTS LIST VIVITAR SERIES 1 AUTOMATIC TELEPHOTO LENS 200mm F/3.0

REFERENCE	DESCRIPTION	PART NUMBER	U	MOUN N	NT &	QUAN K	NTITY C	0
169	FRAME, OLYMPUS MOUNT	513168						1
170	BUTTON, MANUAL DIAPHRAGM	513169						1
171	SCREW, SHAFT	513170						1
172	SPRING, LOCK BUTTON	513174						1
173	SPRING, MANUAL DIAPHRAGM	513171						1
174	ACTUATOR, MANUAL DIAPHRAGM	513172						1
175	BUTTON, LOCK	513173						1
176	SCREW	513175						2
177	SPRING	513176						1
178	CAM, DIAPHRAGM	513184						1
179	LEVER, DIAPHRAGM OPERATING	513182						1
180	SCREW, STOP	513181						1
181	MOUNT, OLYMPUS	513178						1
182	SCREW	513179						3
183	HOUSING, 6th LENS	513268						1
184	SCREW	513193						3
185	RING, CAM	513269			1			
186	RING, DIAPHRAGM ACTUATOR	513270		1				
187	HOOK, SPRING	513271					1	
188	SCREW	513189				3	3	
189	LEVER, DIAPHRAGM OPERATING	513167						1
190	RING, DIAPHRAGM OPERATING	513177						1
191	HOLDER, DIAPHRAGM RING	513183						1
192	SPRING	513140					1	



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