

# **SERVICE MANUAL**

**EXPLODED VIEWS**

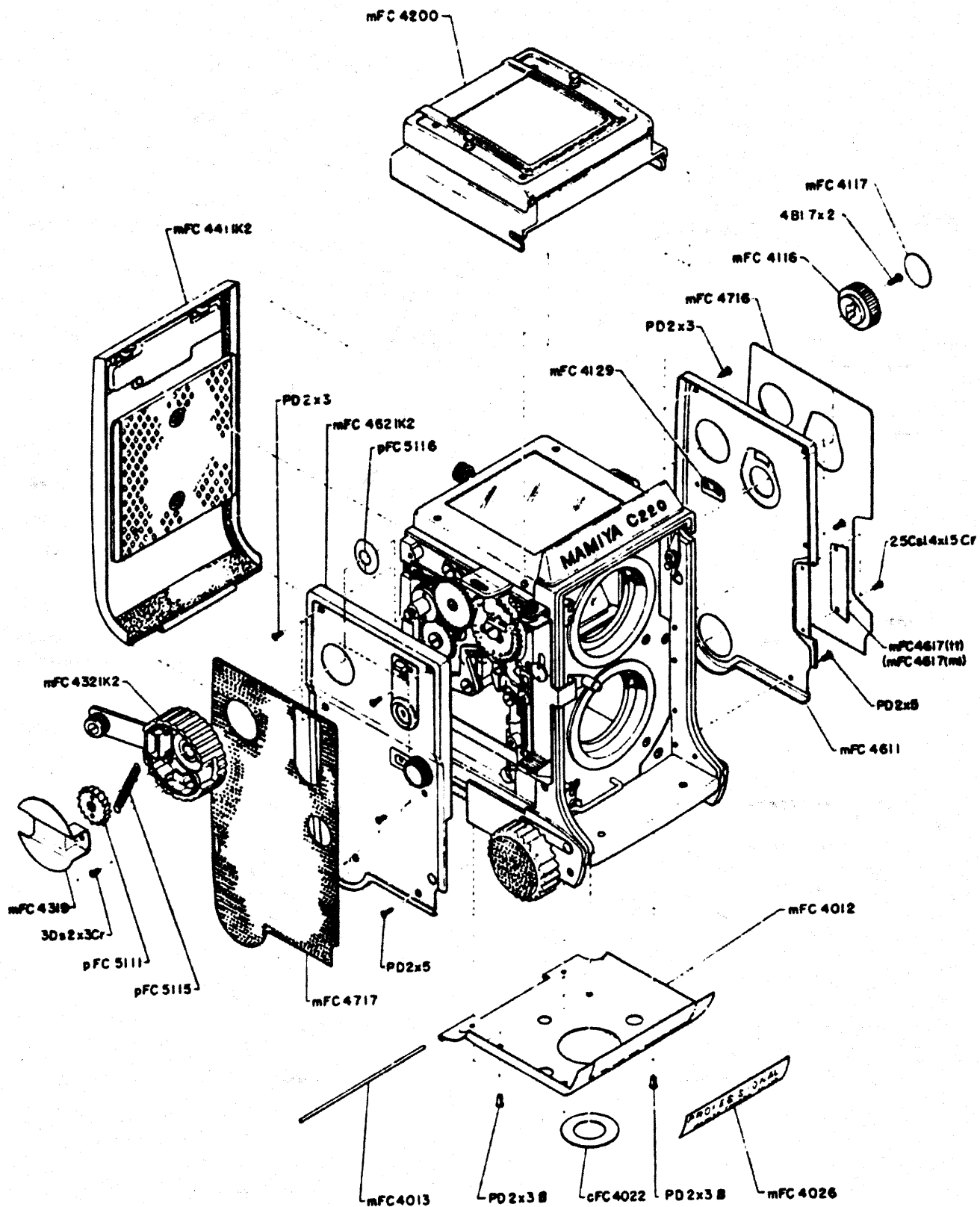
**for**

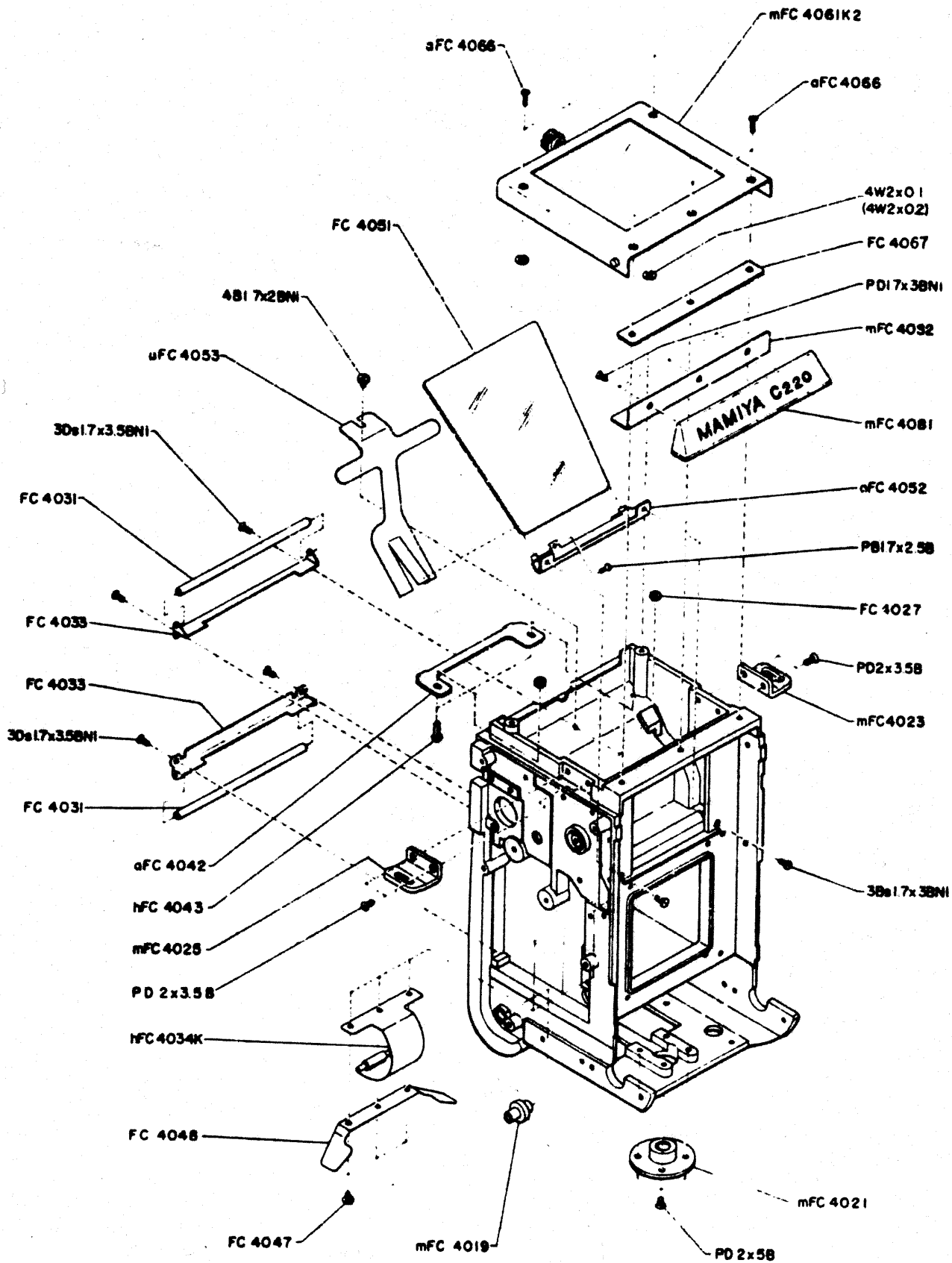
**MAMIYA C220 Professional**

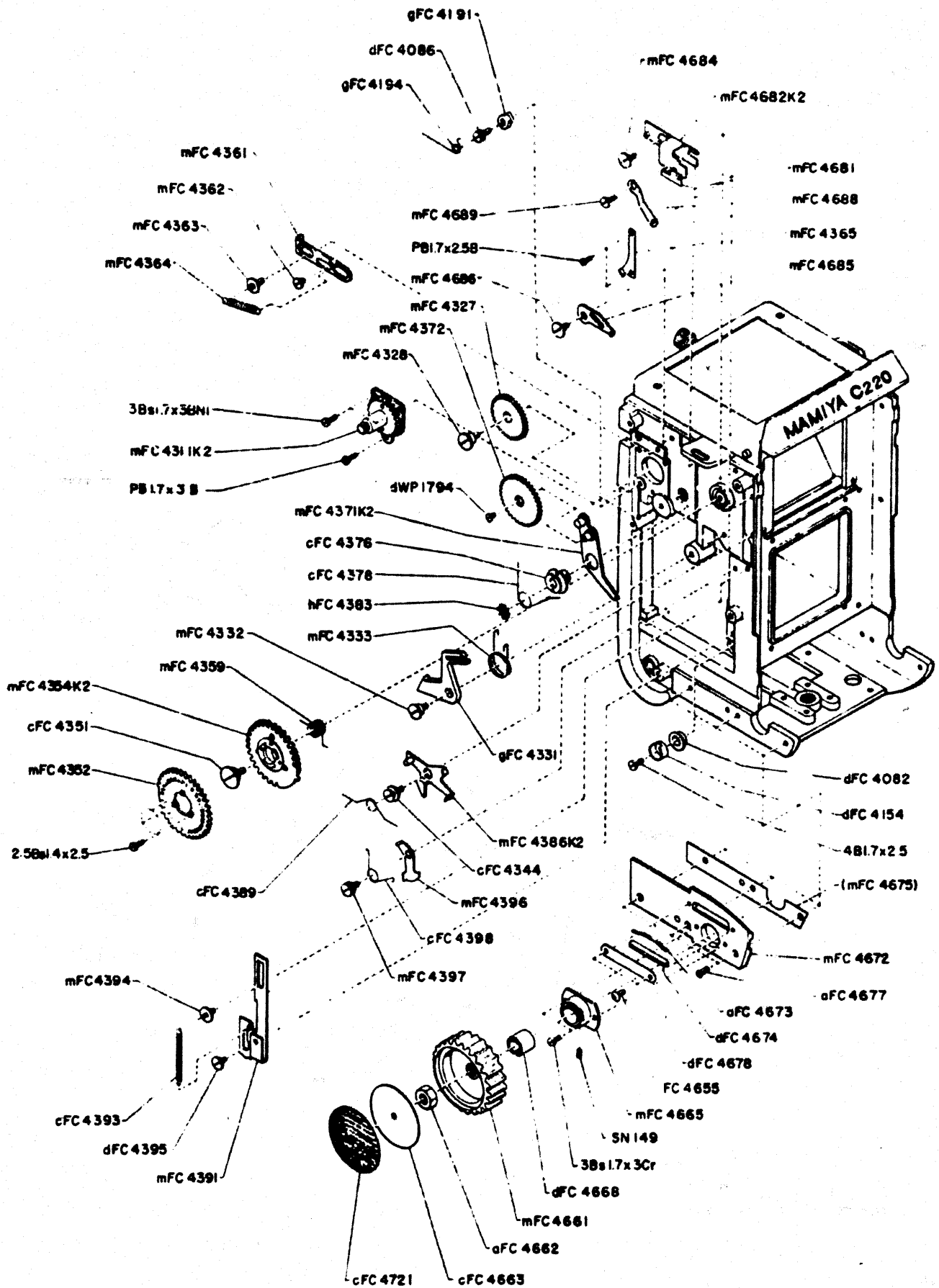
**(mFC)**

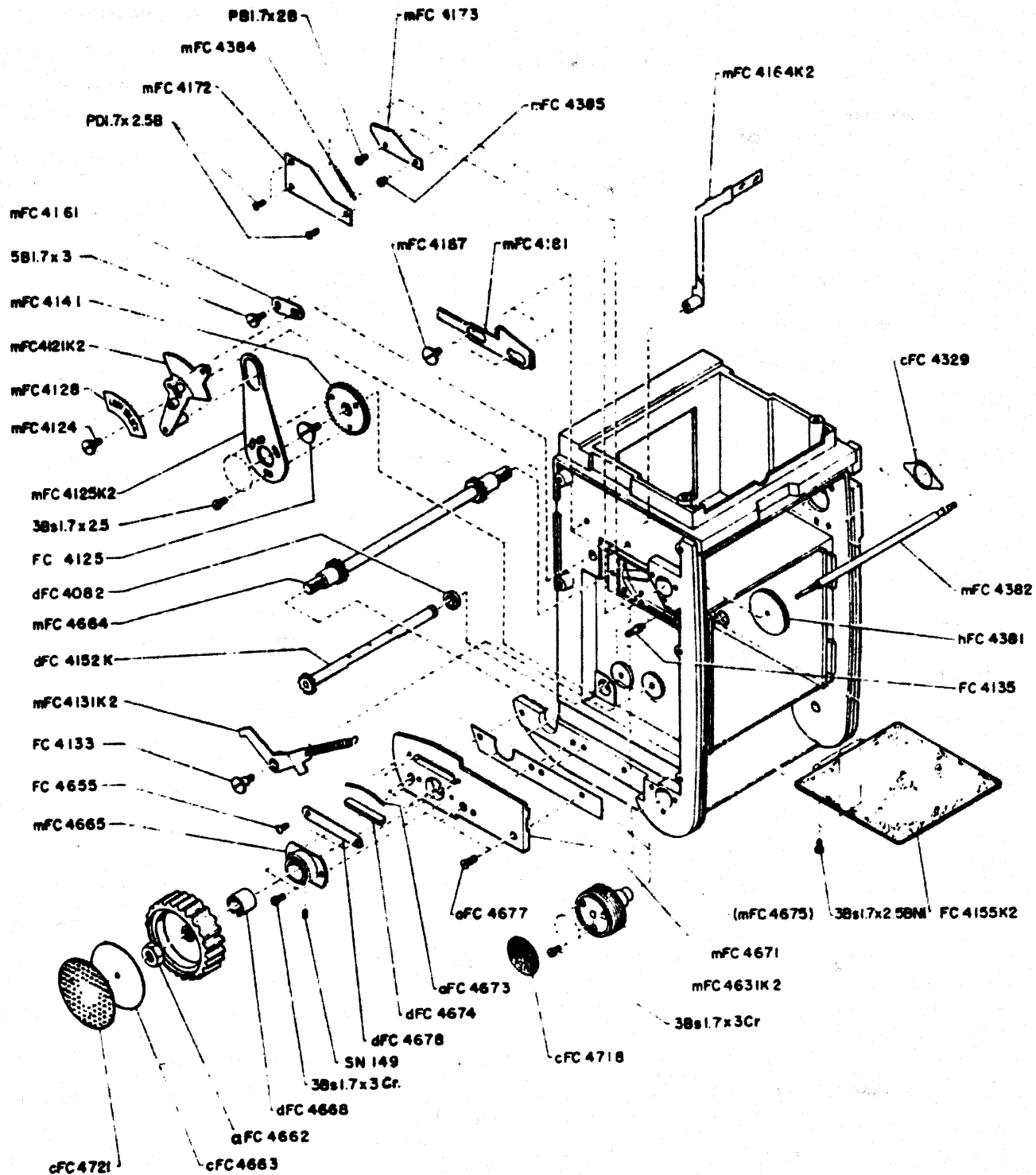


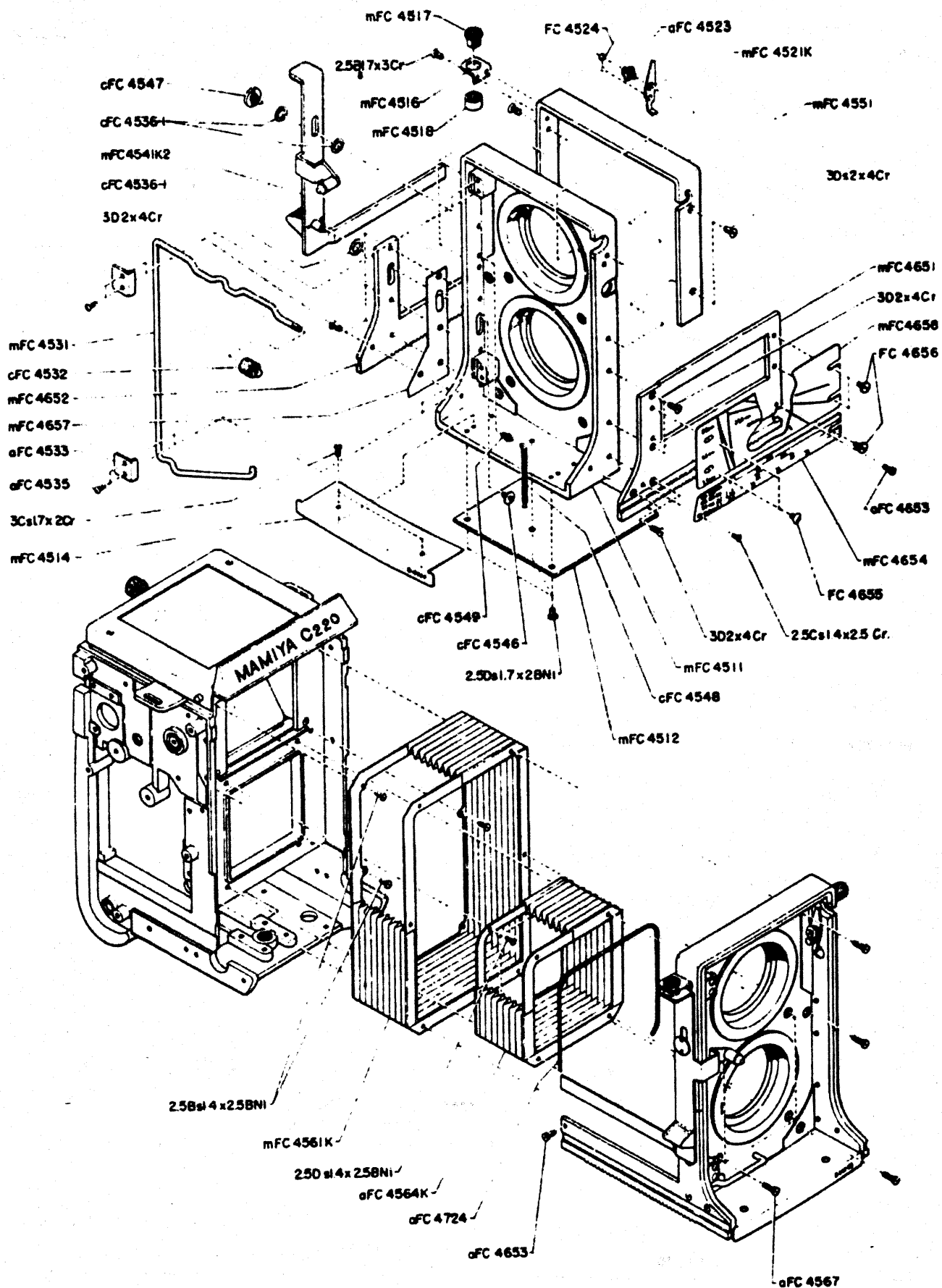
**MAMIYA CAMERA CO., LTD.**  
**TOKYO JAPAN**

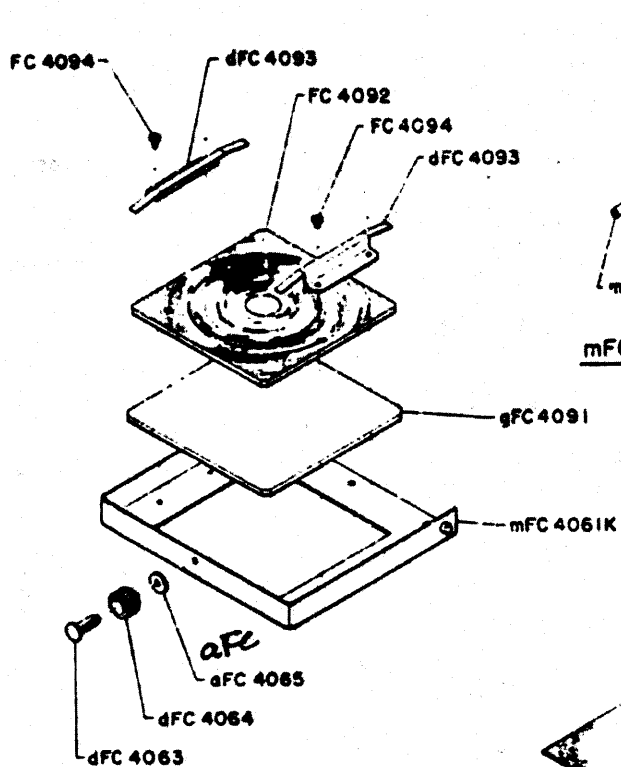




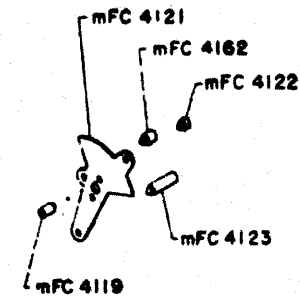






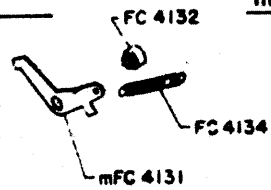


mFC 4061K2

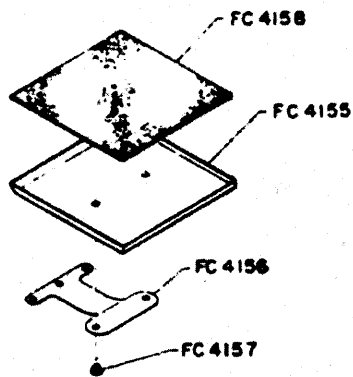


mFC 4121K2

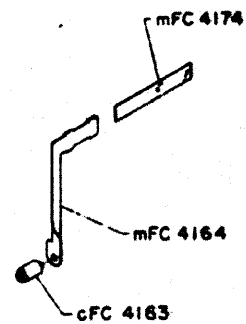
mFC 4125K2



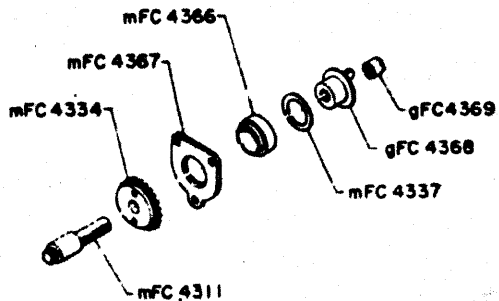
mFC 4131K2



mFC 4155K2



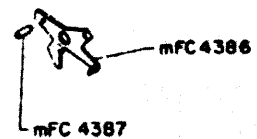
mFC 4164K2



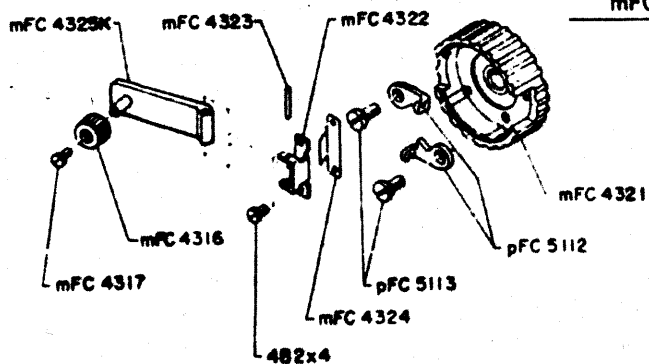
mFC 4311K2



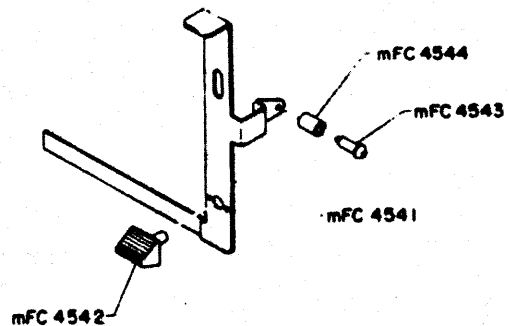
mFC 4371K2



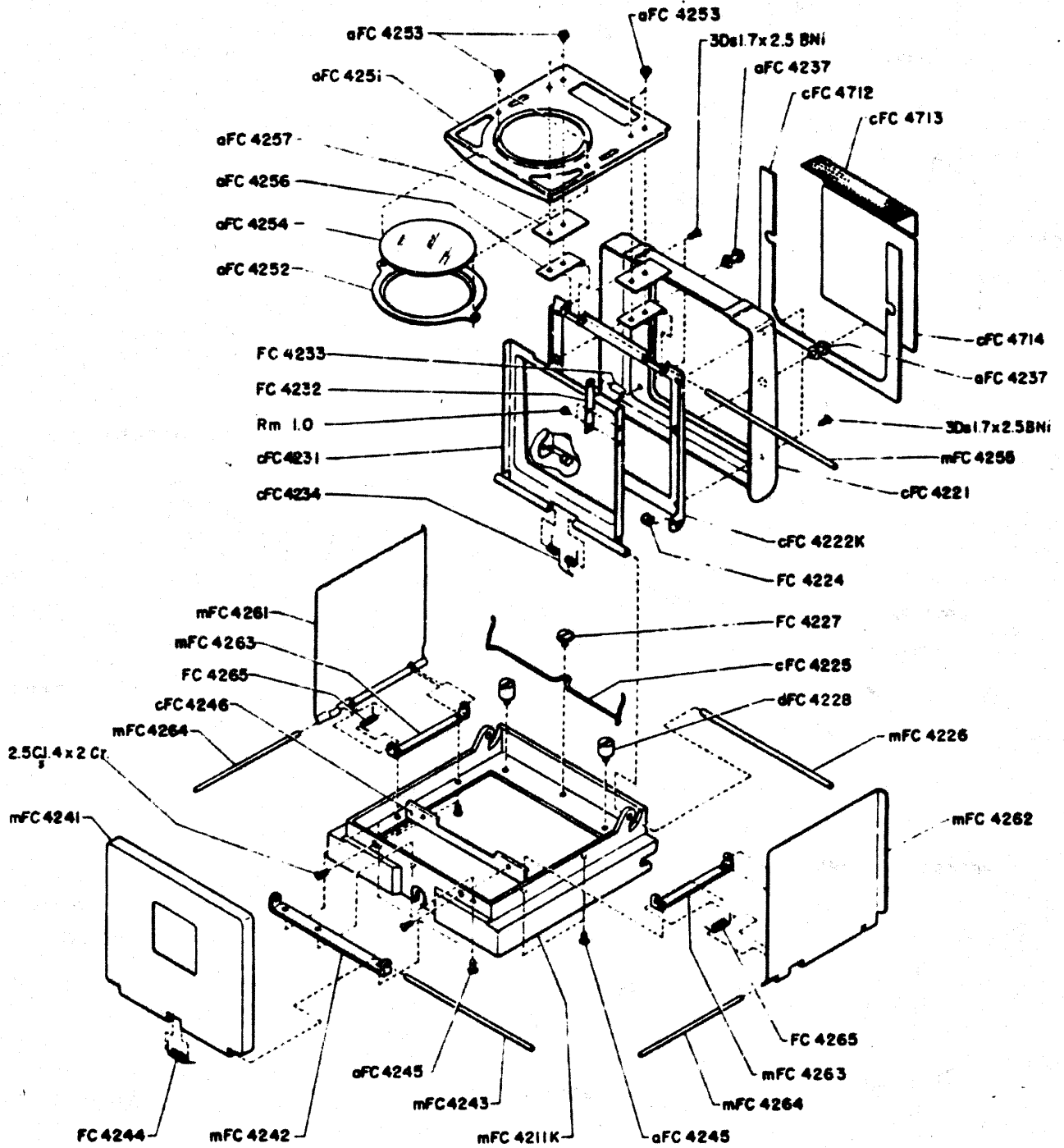
mFC 4386K2



mFC 4321K2

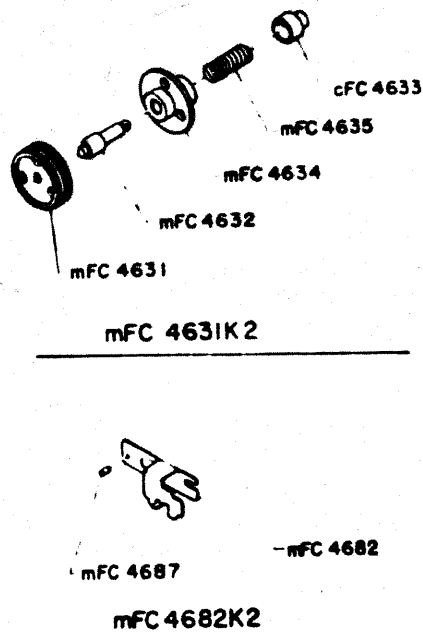
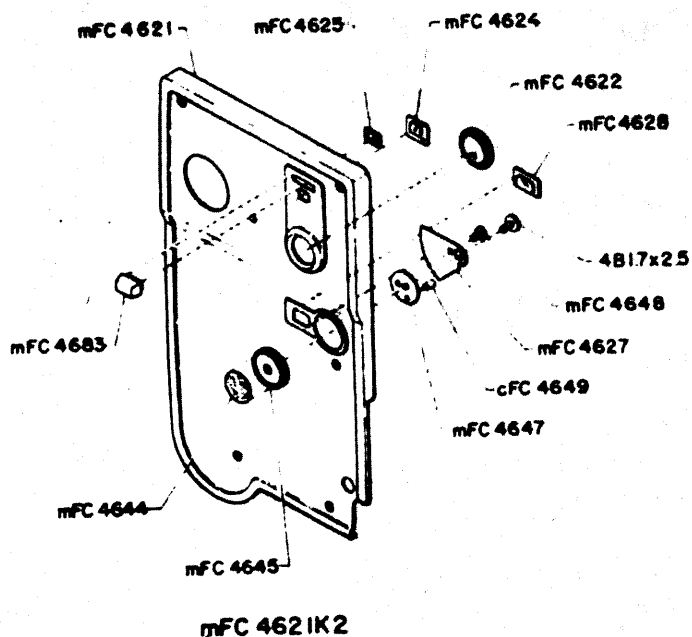
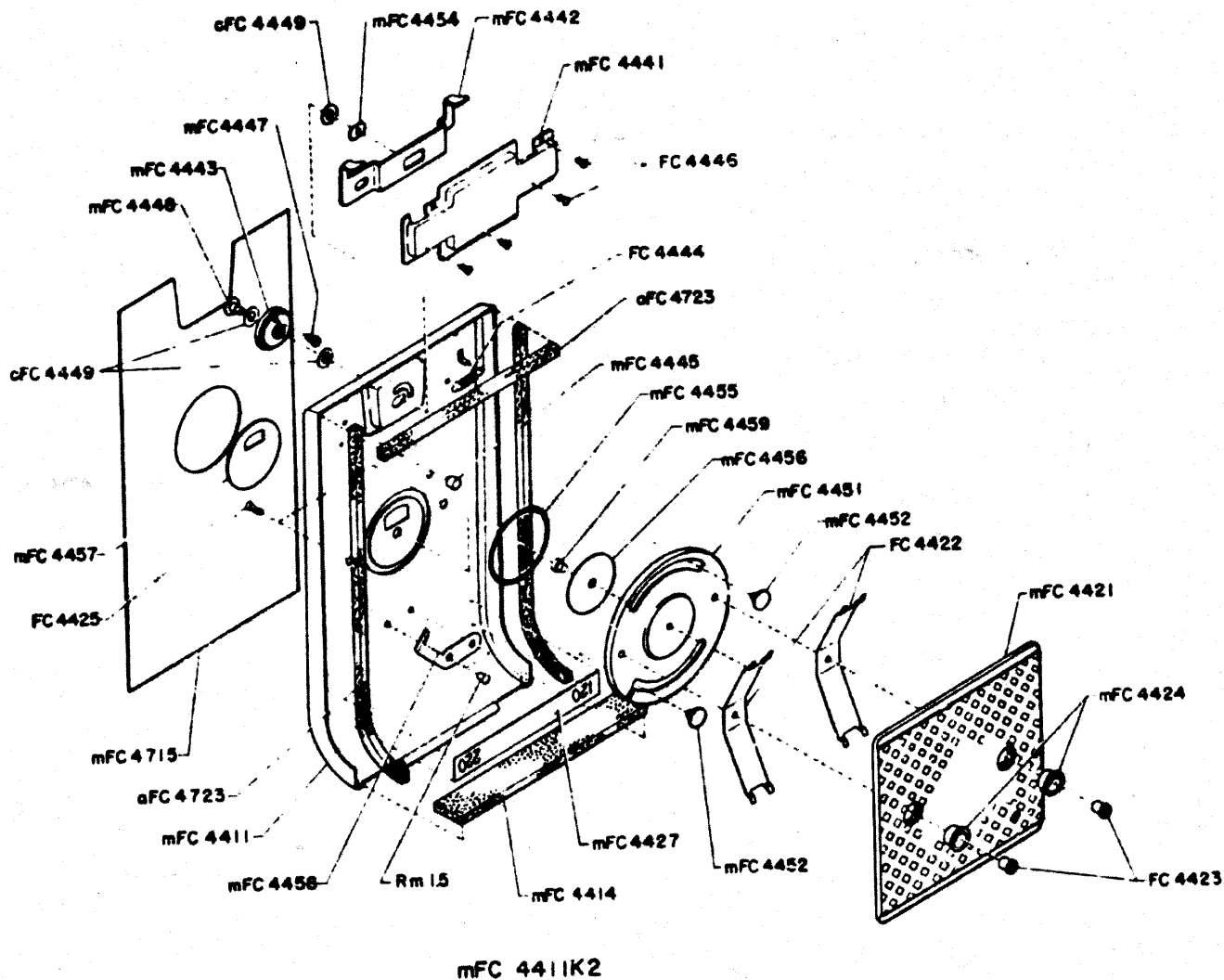


mFC 4541K2



**mFC 4200**





PARTS LIST**METHOD OF REQUESTING SPARE PARTS FOR REPAIR USE**

When ordering spare parts for repair purposes, mark the request in the following manner after referring to our parts lists.

Spare parts are divided as follows:

Not considered usable for repairing ..... x

Can be supplied ..... o

Not available individually but supplied as  
subassembled parts ..... x\*

Can be supplied either as individual parts or  
as subassemblies ..... o\*

**NOTE:**

When ordering spare parts, always type the complete code and numbers in the Parts No. column of the appropriate parts lists.

**EXAMPLE:**

(Model and nomenclature of camera)

Parts No.	Description	Quantity
mFC 4012	Bottom cover	5
mFC 4125K2	Lever assembly	5
hFC 4381	Friction milled wheel	5
pFC 5116-2-4	Washer	20
3Bs 1.7 x 2.5 BNi	Screw	20
1'B 1.7 x 2.5 B	Screw	20

Parts No.	Common Parts No.	Description	Pcs.	Term of sale	Ref. page	Remarks
mFC 4011		Camera body	1	x	4	
mFC 4012		Bottom cover	1	o	.	
mFC 4013		Hinge shaft	1	o	1	
PD2x3BN1		Screw for mFC 4012	6	o	1	
mFC 4019		Film spool holder	1	o	2	
mFC 4021		Tripod socket	1	o	2	
cFC 4022		Leatherette for Tripod socket	1	o	1	
mFC 4023		Right strap loop	1	o	2	
PD2x3.5B		Screw for mFC 4023 & 4025	4	o	2	
mFC 4025		Left strap loop	1	o	2	
mFC 4026		Name plate	1	o	1	
PD2x5B		Screw for mFC 4021	4	o	2	
FC 4031		Film roller	2	o	2	
FC 4033		Bracket for film roller	2	o	2	
<u>mFC 4034K</u>		T-spring assy.	1	o	2	
-mFC 4034		T-spring	1	x <sup>s</sup>		
-mFC 4035		T-spring roller	1	x <sup>s</sup>		
3Ds 1.7x3.5BN1		Screw for FC 4032 & 4033	4	o	2	
aFC 4042		Catch plate	1	o	2	
hFC 4043		Screw	2	o	2	

Parts No.	Common Parts No.	Description	Pcs.	Term of Ref. sale page	Remark:
FC 4027	mFC 4044	Nut	2	o	2
FC 4047		Screw	3	o	2
FC 4048		Leaf spring	1	o	2
FC 4051		Mirror	1	o	2
aFC 4052		Bracket for mirror	1	o	2
aFC 4053		Spring for clamp mirror	1	o	2
4B 1.7x2 BN1		Screw for aFC 4053	1	o	2
3Bs 1.7x3 BN1		Screw for aFC 4052	2	o	2
PB 1.7x2.5B		Screw for aFC 4052	1	o	2
<u>mFC 4061K2</u>		Frame, focusing screen	1	o	2.6
- mFC 4061 K		Frame, focusing screen	1	o	6
- FC 4062		Pin	2	x	
- dFC 4063		Screw	1	o	6
- dFC 4064		Nut	1	o	6
- aFC 4065		Washer	1	o	6
aFC 4066		Screw	5	o	2
mFC 4081		Name plate	1	o	2
mFC 4082		Bracket	1	o	2
PD 1.7x3 BN1		Screw for mFC 4082	3	o	2
FC 4067	0.1 0.2 0.5	Washer	0 to 2	o	2
4W2x0.1		Washer	0 to 2	o	2
4W2x0.2		Washer	0 to 2	o	2
4W2x0.5		Washer	0 to 2	o	
- gFC 4091		Ground glass	1	o*	6

Parts No.	Common Parts No.	Description	Pcs.	Term of sale	Ref. page	Remarks
- FC 4092		Fresnel lens	1	o*	6	
- dFC 4093		Ground glass spring plate	2	o*	6	
- FC 4094		Screw	4	o*	6	
mFC 4116		Knob	1	o	1	
mFC 4117		Disk	1	o	1	
- mFC 4119		Boss	2	o*	6	
4B 1.7x2		Screw for mFC 4116	2	o	1	
<u>mFC 4121K2</u>		Lock lever assy.	1	o	4.6	
- mFC 4121		Lock lever	1	o*	6	
- mFC 4122		Lock pin	1	o*	6	
- mFC 4123		Pin	1	o*	6	
- mFC 4162		Pin	1	o*	6	
mFC 4124		Shoulder screw	1	o	4	
<u>mFC 4125K2</u>		Lever assy.	1	o	4.6	
- mFC 4125		Lever	1	o*	6	
- mFC 4126		Pin	1	o*	6	
JBs 1.7x2.5		Screw for mFC 4125K2	3	o	4	
mFC 4128		Label, "lock, unlock"	1	o	4	
mFC 4129		Window glass	1	o	1	
<u>mFC 4131K2</u>		Control lever, lock and unlock assembly	1	o	4.6	
- mFC 4131		Control lever	1	o*	6	
- FC 4132		Hub	1	o*	6	
FC 4133		Shoulder screw	1	o	4	
- FC 4134		Spring	1	o*	6	

Parts No.	Common Parts No.	Description	Pcs.	Term of sale	Ref. page	Remarks
FC 4135		Shoulder screw, anchor	1	0	4	
mFC 4141		Idle gear	1	0	4	
FC 4125	mFC 4142	Shoulder screw	1	0	4	
FC 4151		Gear	1	X		
<u>dFC 4152K</u>		Gear shaft assy.	1	0	4	
dFC 4082	mFC 4153	Sleeve bearing	2	0	3&4	
dFC 4154		Safety collar	1	0	3	
<u>FC 4155K2</u>		Light-tight flap assy.	1	0	4.6	
-FC 4155		Light-tight flap	1	0°	6	
-FC 4156		Spring arm	1	0°	6	
-FC 4157		Rivet	2	0°	6	
-FC 4158		Velveteen	1	0°	6	
4B 1.7x2.5		Screw for dFC 4154	1	0	3	
3Bs 1.7x2.5BN1		Screw for FC 4155K2	3	0	4	
mFC 4161		Idle lever	1	0	4	
(mFC 4162)		Pin	1	0°	6	mFC 4121F
cFC 4163		Hub	1	0°	6	
<u>mFC 4164K2</u>		Red warning signal	1	0	4.6	
-mFC 4164		Signal arm	1	0°	6	
-mFC 4174		Red signal	1	0°	6	
5B 1.7x3		Screw for mFC 4164K2	1	0	4	
mFC 4172		Hollow cover	1	0	4	
mFC 4173		Guid plate	1	0	4	
(mFC 4174)		Red signal	1	0°	6	mFC 4164AL
PD 1.7x2.5B		Screw for mFC 4172	3	0	4	

Parts No.	Common Parts No.	Description	Pcs.	Term of sale	Ref. page	Remarks
PB 1.7x2B		Screw for mFC 4173	1	o	4	
mFC 4181		unlock lever	1	o	4	
mFC 4187		Shoulder screw	2	o	4	
gFC 4191		Pawl	1	o	3	
dFC 4086	mFC 4192	Shoulder screw	1	o	3	
gFC 4194		Spring for pawl complete	1	o	3	
<u>mFC 4200</u>		Focusing hood	1	o	1. 7	
<u>mFC 4211K</u>		Frame assy.	1	o*	7	
-mFC 4211		Frame	1	x*		
-mFC 4212		Bearing	2	x*		
-cFC 4221		Finder frame	1	o*	7	
<u>cFC 4222K</u>		Finder frame assy.	1	o*	7	
-cFC 4222		Finder frame	1	x*		
-FC 4223		Bearing	2	x*		
-FC 4224		Spring anchor	2	o*	7	
-cFC 4225		Spring	1	o*	7	
-mFC 4226		Shaft	1	o*	7	
-FC 4227		Shoulder screw	1	o*	7	
-dFC 4228		Screw	2	o*	7	
-3Ds 1.7x2.5Bni		Screw for cFC 4221	4	o*	7	
-cFC 4231		Finder flap	1	o*	7	
-FC 4232		Arm plate	1	o*	7	
-FC 4233		Pin	1	o*	7	
-cFC 4234		Spring	1	o*	7	
-aFC 4237		Pin	2	o*	7	
-Rm 1.0		Rivet for FC 4232	2	o*	7	

Parts No.	Common Parts No.	Description	Pcs.	Term of sale	Ref. page	Remarks
mFC 4241		Rear plate	1	o°	7	
mFC 4242		Bracket	1	o°	7	
mFC 4243		Shaft	1	o°	7	
FC 4244		Spring	1	o°	7	
aFC 4245		Screw	7	o°	7	
cFC 4246		Stopper plate	1	o°	7	
2.5Csl.4x2Cr		Screw for cFC 4246	2	o°	7	
aFC 4251		Plate	1	o°	7	
aFC 4252		Retainer	1	o°	7	
aFC 4253		Rivet	6	o°	7	
aFC 4254		Magnifying glass	1	o°	7	
mFC 4255		Shaft	1	o°	7	
aFC 4256		Spring plate	2	o°	7	
aFC 4257		Plate	2	o°	7	
mFC 4261		Right plate	1	o°	7	
mFC 4262		Left plate	1	o°	7	
mFC 4263		Bracket	2	o°	7	
mFC 4264		Shaft	2	o°	7	
FC 4265		Spring	2	o°	7	
<u>mFC 4311K2</u>		Film winding gear assy.	1	o	3.6	
mFC 4311		Winding shaft	1	o°	6	
mFC 4334		Winding gear	1	o°	6	
mFC 4337		Washer	0 to 1	o°	6	
mFC 4366		Bearing	1	o°	6	
mFC 4367		Plate	1	o°	6	



Parts No.	Common Parts No.	Description	Pcs.	Term of sale	Ref. page	Remarks
-gFC 4368		Coupler for spool	1	o°	6	
-gFC 4369		Nut	1	o°	6	
-pFC 5112	mFC 4312	Ratchet pawl	2	o°	6	
-pFC 5113	mFC 4313	Shoulder screw	2	o°	6	
-pFC 5111	mFC 4314	Ratchet wheel	1	o	1	
-pFC 5115	mFC 4315	Spring	1	o	1	
-mFC 4316		Knob	1	o°	6	
-mFC 4317		Shoulder screw	1	o°	6	
-dWP 1794	mFC 4318	Shoulder screw	1	o	3	
-mFC 4319		Knob cover	1	o	1	
-3Ds2x3Cr		Screw for mFC 4319	1	o	1	
-mFC 4321K2		Film winding knob assy.	1	o	1.6	
-mFC 4321		Film winding knob	1	o°	6	
-mFC 4322		Bracket	1	o°	6	
-mFC 4323		Shaft	1	o°	6	
-mFC 4324		Spring	1	o°	6	
-mFC 4325K		Winding lever assy.	1	o°	6	
-mFC 4325		Winding lever	1	x°		
-mFC 4326		Boss	1	x°		
-mFC 4327		Idle gear	1	o	3	
-mFC 4328		Shoulder screw	1	o	3	
-cFC 4329		Pointer	1	o	4	
-4B2x4		Screw for mFC 4322	2	o°	6	
-gFC 4331		Pawl	1	o	3	
-mFC 4332		Shoulder screw	1	o	3	
-mFC 4333		Spring	1	o	3	

Parts No.	Common Parts No.	Description	Pcs.	Term of sale	Ref. page	Remarks
(mFC 4334)		Winding gear	1	o°	6	mFC4311K2
pFC 5116-1	mFC 4335	Washer	1	o	1	
pFC 5116-2-4	mFC 4335	Washer	0 to 3	o		
(mFC 4337)		Washer	0 to 2	o°	6	mFC4311K2
cFC 4351		Shoulder screw	1	o	3	
mFC 4352		Counter	1	o	3	
mFC 4353		Counter base	1	x°		
<u>mFC 4354K2</u>		Dividing disk assy.	1	o	3	
hFC 4354		Dividing disk	1	x°		
hFC 4355		Auxiliary dividing disk	1	x°		
cFC 4356		Pin	1	x°		
cFC 4357		Pin	1	x°		
hFC 4358		Spring	1	x°		
mFC 4359		Spring	1	o	3	
FC 4379		Screw	3	x°		
mFC 4361		Lever, counter reset	1	o	3	
mFC 4362		Shoulder screw	1	o	3	
cFC 4363		Flanged screw, anchor	1	o	3	
mFC 4364		Spring	1	o	3	
mFC 4365		Stopper	1	o	3	
(mFC 4366)		Bearing	1	o°	6	mFC4311K2
(mFC 4367)		Plate	1	o°	6	mFC4311K2
(gFC 4368)		Coupler for spool	1	o°	6	mFC4311K2
(gFC 4369)		Nut	1	o°	6	mFC4311K2
3Bs 1.7x3BN1		Screw for mFC 4311K2	2	o	3	

Parts No.	Common Parts No.	Description	Pcs.	Term of sale	Ref. page	Remarks
<u>mFC 4371K2</u>		Lever, counter reset assy.	1	o	3.6	
-mFC 4371		Lever, counter reset	1	o*	6	
-mFC 4372		Gear	1	o	3	
-mFC 4373		Hub	1	o*	6	
-PD 1.7x3		Screw for mFC 4311K2	1	o	3	
-mFC 4375		Boss	1	o*	6	
cFC 4376		Flanged screw	1	o	3	
2.5Bx1.4x2.5		Screw for mFC 4352	3	o	3	
cFC 4378		Spring	1	o	3	
(cFC 4379)		Screw	3	x*		mFC 4354K2
PB1.7x2.5B		Screw for mFC 4365	2	o	3	
hFC 4381		Friction milled wheel	1	o	4	
mFC 4382		Shaft, friction wheel	1	o	4	
hFC 4383		Gear	1	o	3	
mFC 4384		Spring	1	o	4	
mFC 4385		Flanged screw, anchor	1	o	4	
<u>mFC 4386K2</u>		Wind stop lever assy.	1	o	3.6	
-mFC 4386		Wind stop lever	1	o*	6	
-mFC 4387		Pin	1	o*	6	
cFC 4344	mFC 4388	Shoulder screw	1	o	3	
cFC 4389		Spring	1	o	3	
mFC 4391		Slider bar	1	o	3	
cFC 4393		Spring	1	o	3	
mFC 4394		Shoulder screw	1	o	3	
dFC 4395		Shoulder screw	1	o	3	
mFC 4396		Latch	1	o	3	

Parts No.	Common Parts No.	Description	Pcs.	Term of sale	Ref. page	Remarks
mFC 4397		Shoulder screw	1	o	3	
cFC 4398		Spring	1	o	3	
<u>mFC 4411K2</u>		Back cover assy.	1	o	1.8	
-mFC 4411		Back cover	1	o*	3	
-mFC 4414		Light tight strip	1	o*	8	
-mFC 4421		Film pressure plate	1	o*	8	
-FC 4422		Leaf spring	2	o*	8	
-FC 4423		Nut	2	o*	8	
-mFC 4424		Boss	2	o*	8	
-FC 4425		Screw	2	o*	8	
-mFC 4427		Label, 120,220	1	o*	8	
-mFC 4441		Latch cover	1	o*	8	
-mFC 4442		Latch	1	o*	8	
-mFC 4443		Knob	1	o*	8	
FC 4444		Spring	1	o*	8	
mFC 4445		Anchor	1	o*	8	
FC 4446		Screw	4	o*	8	
-mFC 4447		Pin	1	o*	8	
-mFC 4448		Hub	1	o*	8	
-cFC 4449		Spring	0 to 1	o*	8	
-mFC 4451		Base plate	1	o*	8	
-mFC 4452		Shoulder rivet	2	o*	8	
-mFC 4454		Collar	1	o*	8	
-mFC 4455		Light tight strip	1	o*	8	
-mFC 4456		Disk, 120,220	1	o*	8	
-mFC 4457		Disk window	1	o*	8	

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Parts No.	Common Parts No.	Description	Pcs.	Term of sale	Ref. page	Remarks
mFC 4458		Click	1	o°	8	
Rm 1.5		Rivet for mFC 4458	2	o°	8	
mFC 4459		Hub	1	o°	8	
mFC 4715		Leatherette	1	o°	8	
aFC 4723		Light tight strip	3	o°	8	
mFC 4511		Front panel	1	x	5	
mFC 4512		Plate, bottom cover	1	o	5	
2.5Dsl.7x2BN1		Screw for mFC 4512	3	o	5	
mFC 4514		Front cover	1	o	5	
3Cal.7x2Cr		Screw for mFC 4514	2	o	5	
mFC 4516		Bracket	1	o	5	
mFC 4517		Cable release socket	1	o	5	
mFC 4518		Nut	1	o	5	
2.5Bsl.7x3 Cr		Screw for mFC 4516	2	o	5	
<u>mFC 4521K</u>		Safety lever, lens catch	1	o	5	
mFC 4521		Safety lever	1	x°		
FC 4522		Anchor screw	1	x°		
aFC 4523		Shoulder screw	1	o	5	
FC 4524		Spring	1	o	5	
mFC 4531		Wire spring, lens catch	1	o	5	
cFC 4532		knob	1	o	5	
aFC 4533		Clamp	2	o	5	
aFC 4535		Screw	4	o	5	
cFC 4536 - 1		Washer	3	o	5	
<u>mFC 4541K2</u>		Slide assy.	1	o	5.6	
mFC 4541		Slide	1	o°	6	

Parts No.	Common Parts No.	Description	Pcs.	Term of sale	Ref. page	Remarks
mFC 4542		Button	1	o*	6	
mFC 4543		Shaft-rivet	1	o*	6	
mFC 4544		Collar	1	o*	6	
cFC 4546		Screw	1	o	5	
cFC 4547		Screw	1	o	5	
cFC 4548		Spring	1	o	5	
cFC 4549		Shoulder screw anchor	1	o	5	
mFC 4551		Frame	1	o	5	
3Da2x4Cr		Screw for mFC 4551	4	o	5	
mFC 4561K		Large bellows assy.	1	o	5	
mFC 4561		Large bellows	1	x*		
aFC 4562		Front frame	1	x*		
mFC 4563		Rear frame	1	x*		
aFC 4564K		Small bellows assy.	1	o	5	
aFC 4564		Small bellows	1	x*		
aFC 4565		Front frame	1	x*		
aFC 4566		Rear frame	1	x*		
aFC 4567		Screw	10	o	5	
2.5Da1.4x2.5BN1		Screw for aFC 4564K	4	o	5	
2.5Ba1.4x2.5BN1		Screw for mFC 4561K	6	o	5	
mFC 4611		Right panel	1	o	1	
mFC 4617		Distance scale plate (ft)	1	o	1	
mFC 4617		Distance scale plate (m)	(1)	o	(1)	
PD 2x3B		Screw for mFC 4611 & 4621K2	10	o	1	
PD2x5B		Screw for mFC 4611 & 4621K2	2	o	1	

Parts No.	Common Parts No.	Description	Pcs.	Term of sale	Ref. page	Remarks
<u>mFC 4621K2</u>		Left panel assy.	1	o	1.8	
-mFC 4621		Left panel	1	o*	8	
-mFC 4622		Window for counter	1	o*	8	
-mFC 4624		Window for 120,220 film	1	o*	8	
-mFC 4625		Clamp	1	o*	8	
-mFC 4627		Plate	1	o*	8	
-mFC 4628		Window for 4627	1	o*	8	
-mFC 4644		Disk	1	o*	8	
-mFC 4645		Knob	1	o*	8	
-mFC 4647		Disk	1	o*	8	
-mFC 4648		Screw	1	o*	8	
-4B 1.7x2.5		Screw for mFC 4647	1	o*	8	
-cFC 4649		Pin for 4647	1	o*	8	
-mFC 4683		Button	1	o*	8	
<u>mFC 4631K2</u>		Knob assy.	2	o	4.8	
-mFC 4631		Knob	2	o*	8	
-mFC 4632		Shaft	2	x*	8	
-cFC 4633		Core for spool holder	2	o*	8	
-mFC 4634		Flange	2	o*	8	
-mFC 4635		Spring	2	o*	8	
2.5Cs 1.4x1.5 Cr		Screw for mFC 4617	2	o	1	
3Bs 1.7x3Cr		Screw	6	o	4	
mFC 4651		Right rack plate	1	o	5	
mFC 4652		Left rack plate	1	o	5	
mFC 4653		Stopper	2	o	5	
mFC 4654		Exposure factor scale	1	o	5	
FC 4655		Screw	2	o	5	
FC 4656		Screw	3	o	5	

Parts No.	Common Parts No.	Description	Pcs.	Term of sale	Ref. page	Remarks
mFC 4657		Strip for rack plate	0 to 1	o	5	
mFC 4658		Distance scale plate (curve-line)	1	o	5	
3D 2x4Cr		Screw for mFC 4651 & 4652	8	o	5	
25Cs 1.4x2.5Cr		Screw for mFC 4654	1	o	5	
mFC 4661		Focusing knob	2	o	3	
aFC 4662		Nut	2	o	3.4	
cFC 4663		Disk	2	o	3.4	
mFC 4664		Pinion shaft	1	o	4	
mFC 4665		Pinion shaft bearing	2	o	3.4	
dFC 4668		Synthetic tube	2	o	3.4	
3Bs 1.7x3Cr		Screw for mFC 4665	4	o	3.4	
SN 149	mFC 4669	Screw	2	o	3.4	
mFC 4671		Guide plate for 4651	1	o	4	
mFC 4672		Guide plate for 4652	1	o	3	
aFC 4673		Brake spring	2	o	3.4	
dFC 4674		Brake bar	2	o	3.4	
mFC 4675		Strip for 4671, 4672	0 to 1	o	3.4	
aFC 4677		Screw	6	o	3.4	
dFC 4678		Hole cover	2	o	3.4	
FC 4653	aFC 4679	Screw	4	o	3.4	
mFC 4681		plate "220 120"	1	o	3	
mFC 4682K2		Slider assy.	1	o	3.4	
mFC 4682		Slider	1	o	8	
(mFC 4683)		Button	1	o	8	mFC4621K2
mFC 4684		Shoulder screw	1	o	3	



Parts No.	Common Parts No.	Description	Pcs.	Term of sale	Ref. page	Remarks
mFC 4685		Lever	1	o	3	
mFC 4686		Shoulder screw	1	o	3	
mFC 4687		Pin	1	o*	8	
mFC 4688		Click	1	o	3	
mFC 4689		Shoulder screw	1	o	3	
cFC 4712		Leatherette for hood	1	o	7	
cFC 4713		Leatherette for hood end	1	o	7	
cFC 4714		Leatherette for flap	1	o	7	
(mFC 4715)		Leatherette for back cover	1	o*	8	mFC 4411K2
mFC 4716		Leatherette for right panel	1	o	1	
mFC 4717		Leatherette for left panel	1	o	1	
cFC 4718		Leatherette for knob	2	o	4	
cFC 4721		Leatherette for focusing knob	2	o	3.4	
(mFC 4723)		Light tight strip	3	o*	8	mFC 4411K2
aFC 4724		Light tight strip	1	o	5	