2.4 /105

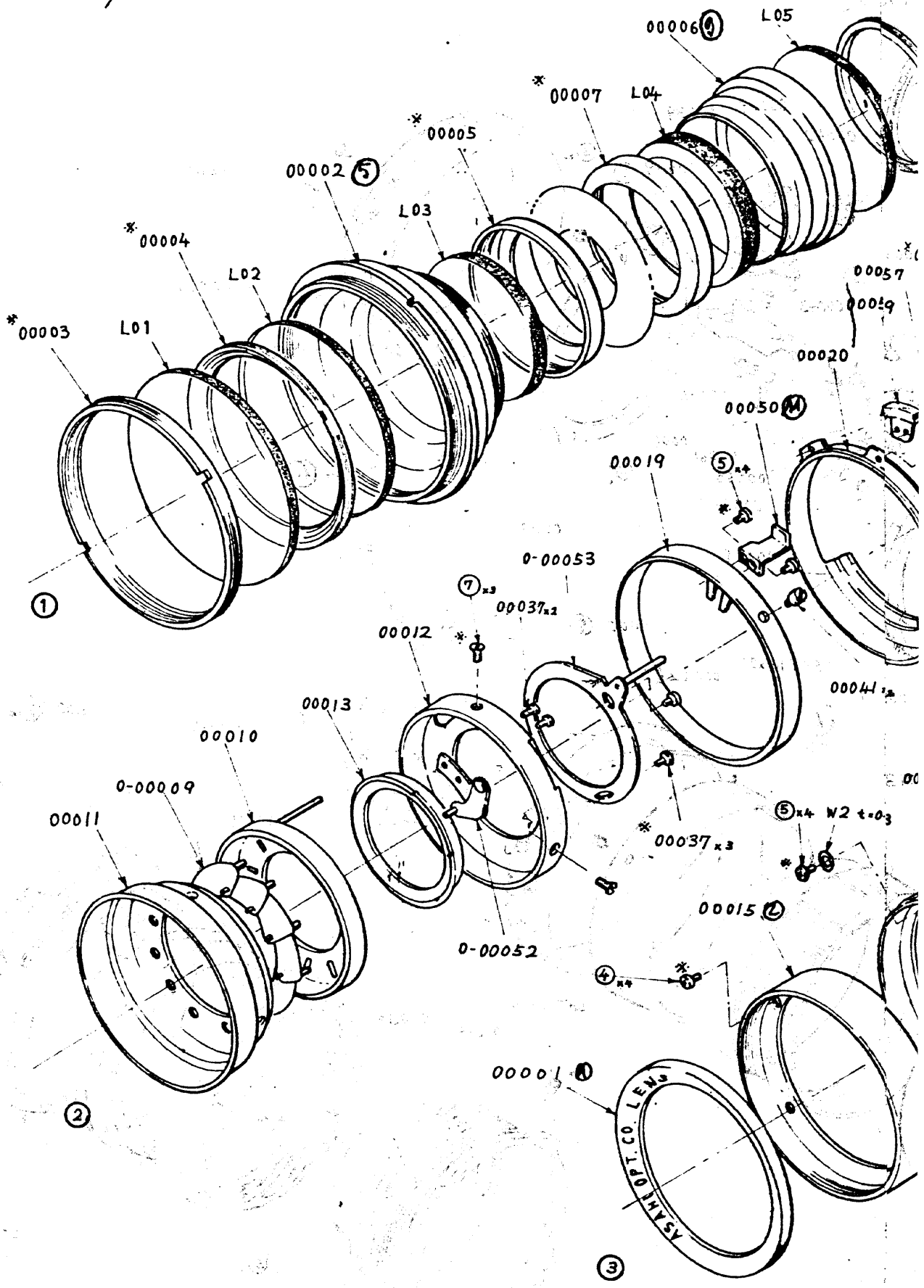
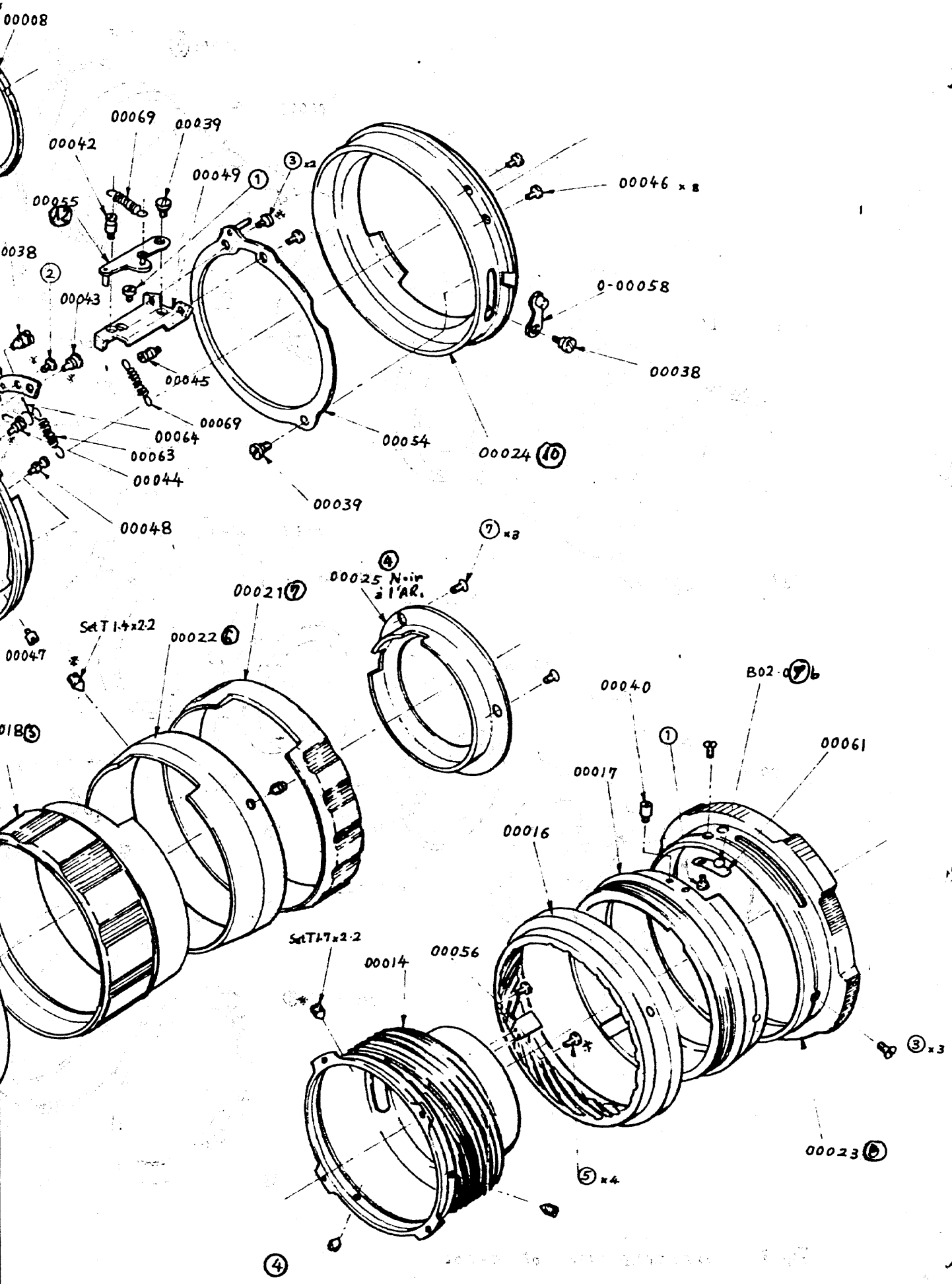


Fig 9 EXPLODED VIEW OF 46000

* : gluing by Screw lock #2


00008
00069
00039
00042
00049 ①
③ x2
00046 x8
00055 ⑫
00038
②
00043
0-00058
00038
00045
00069
00064
00063
00044
00048
00054
00024 ⑩
00039
⑦ x8
④
00025 Noir à l'AR.
00021 ⑦
SetT 1.4x2.2
00022 ⑥
00047
018 ⑤
B02 ⑦b
00040
①
00061
00017
00016
SetT1.7x2.2
00014
00056
③ x3
00023 ⑧
⑤ x4
④

Super-Takumar 6x7 1:2.4 f=105 mm
Prod. No. 46000

1 SPECIFICATIONS

Mount type	Inside bayonet with lock pin.
Diaphragm	Full automatic
Dia. closing force	Max. 100g (at actuator pin)
Actuator pin escaping force	Max. 350g

(The force required to push down the pin full stroke at full opening)

Closing down time lag Max. 60 msec.

2 ASSEMBLING

For assembling, refer to Fig. 9. Parts are classified into as follows:

1 Optical parts 2 Diaphragm blade unit 3 Rings
4 Helicoid

Parts which require gluing are identified by "*" mark.

A HELICOID

Helicoid must be assembled as follows: Refer to Fig. 1 and Fig. 2. In Fig. 1, when the shown measurements are read, (00017) must stop at the position shown in Fig. 2.. Fig. 1 shows approximate "∞" position of (00017).

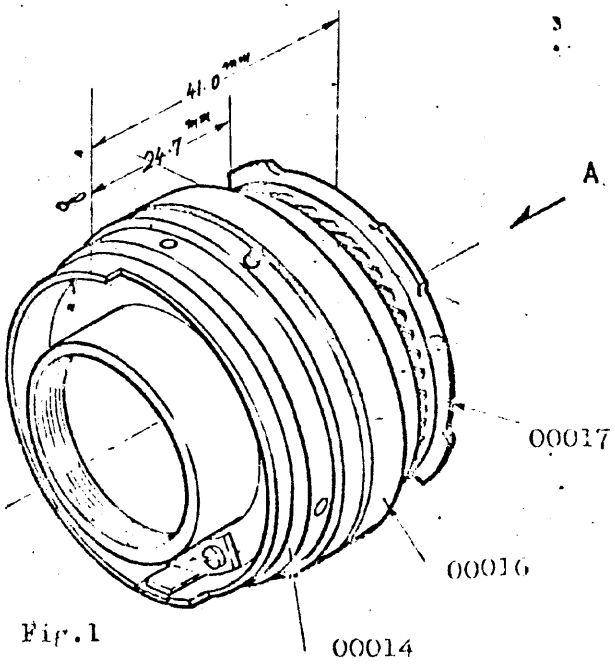
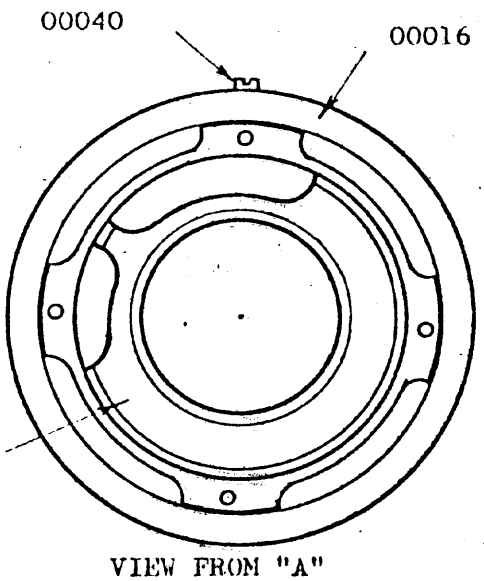


Fig.1



VIEW FROM "A"

Fig.2

3 ADJUSTMENT

Following adjustments are required.

A F22, F16 Adjustment

Intermediate lever(00052)must be retained so that the proper diameter of diaphragm openings at F22 and F16 are obtained. The pin positions against Cam(00053)at F22 and F16 are shown in Fig. 4.

F16 adjustment

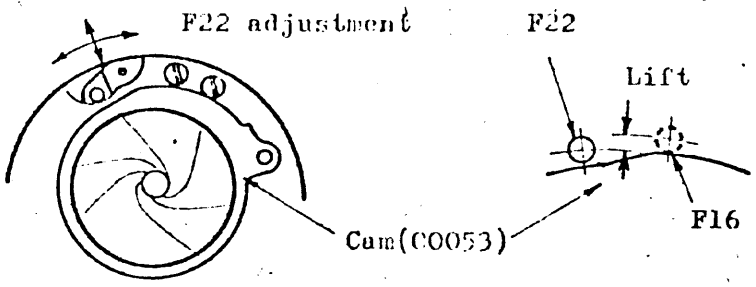


Fig.3 Fig.4

B FNo. coupling adjustment

Diaphragm blade unit must be installed to the barrel with 3 set screws, so that the diaphragm opening is properly coupled with Dia. scale ring(00021).

Install the blade unit after setting Manual lever to "M"and Dia. scale ring to"F16" respectively. Turn the blade unit and fix to the place where the proper Dia. opening of "F16" is obtained. Refer to Fig. 5.

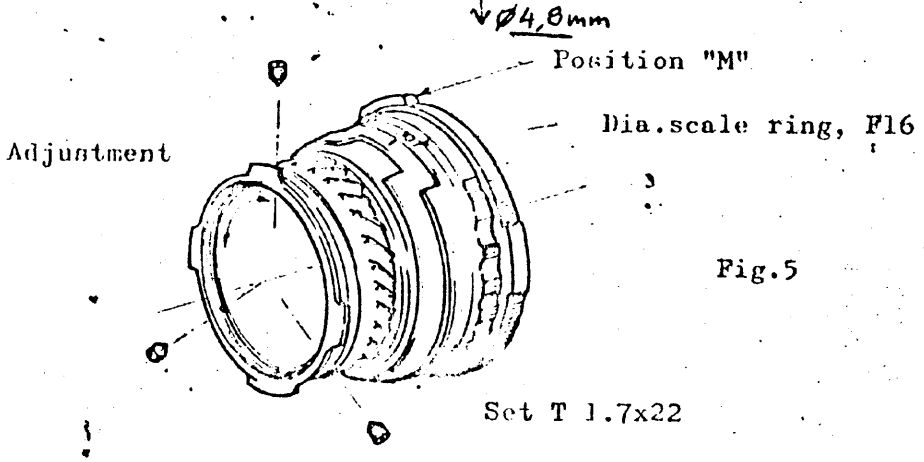


Fig.5

C "M" full opening adjustment

If the blades do not fully open at F2.4 with the manual lever set at "M", adjust Cam installing ring(00013) position so that the Dia. blades fully open. Keep the Cam(00053) position in the same place. Avoid over correction. Over correction is detected by that:

1 Diaphragm ring can not turn up to F2.4 2 Distance scale ring turns hard when getting close to "∞", with diaphragm scale ring set at F2.4 .

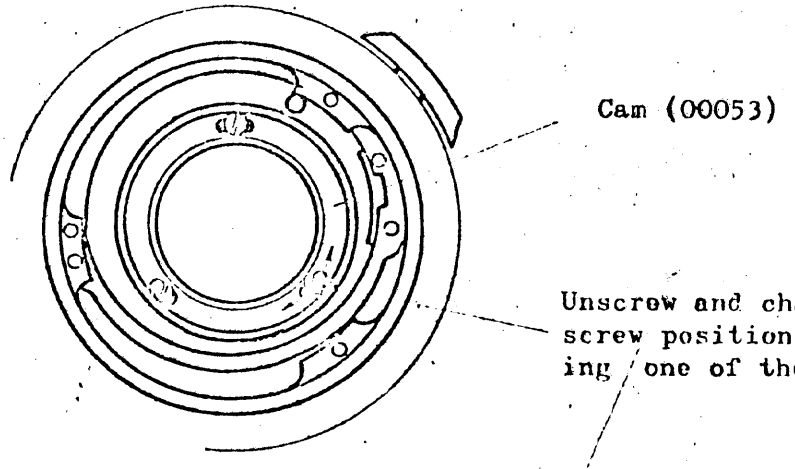


Fig.6

D "A" full opening adjustment

If diaphragm blades do not fully open at "A" position of Manual lever(00059) with Diaphragm scale ring set at "F2.4", adjust Dia. closing lever rest (00049) position till full opening is obtained.

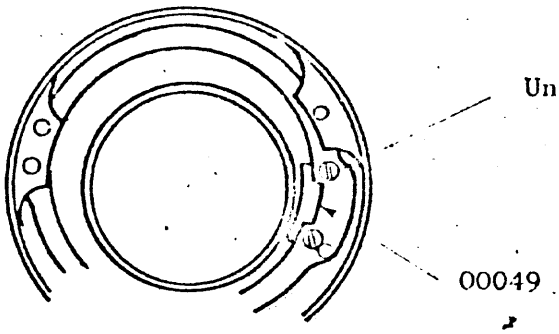


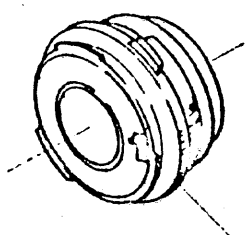
Fig.7

4 CHECK

Actuator pin must stop contacting with Light seal(00025), when it returns to its original position, as shown in Fig. 8.

This is important for keeping up durability of the diaphragm blades' operation.

Fig.8



Super-Takumar 6/7
105 mm Lens 1:2.4

f/stop	Dia. (mechanical)	
F22	~~3.37~~ mm	→ 3,4 mm
F16	~~4.47~~ mm	→ 4,8 •
F11	5.68 mm	
F8	~~9,57~~ mm	→ 9,6 •
F5.6	13.58 mm	
F4	~~19,27~~ mm	→ 19,3 •
F2.8 ?	33.0 mm	