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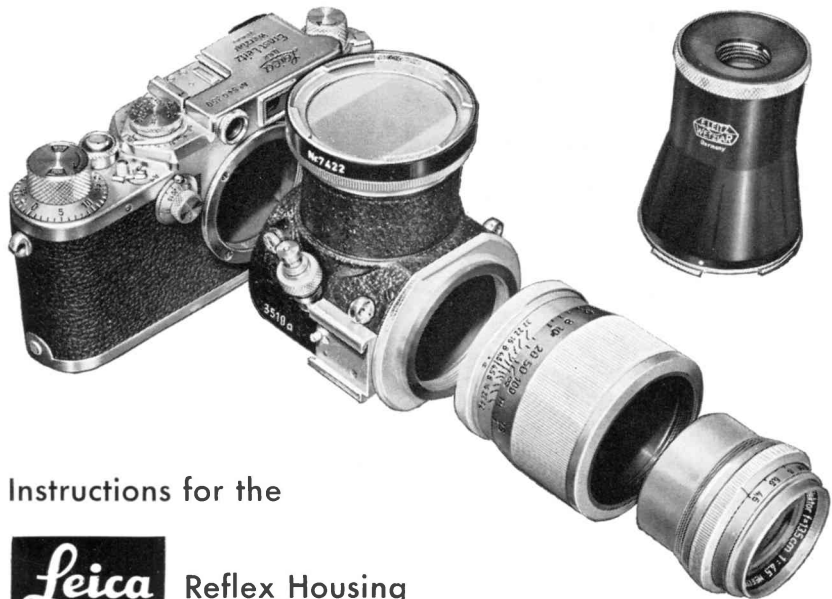
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Instructions for the

Leica

Reflex Housing

The *Leica* Reflex Housing

How to use it

The reflex housing is screwed into the LEICA just like a lens.

The TELYT 20 cm. and 40 cm. lenses are calibrated for the reflex housing.

The HEKTOR 13.5 cm. lens can also be used with the reflex housing. Instead of the standard mount, with rangefinder coupling, a short mount (ZOOAN) is used.

The image is focused with the help of an adjustable magnifier (5 x magnification) on the fine-grained ground glass screen of the reflex housing. The ground glass screen has a circular mark on which the magnifier can be focused before the actual focusing takes place.

It is recommended to keep both eyes open when adjusting the magnifier, in order to keep the viewing eye focused at infinity.

The magnifier can be adjusted for minor faults in vision (+1.5 and -2 Dioptre).

Correcting lenses for long and short sightedness and also astigmatism can be screwed into the magnifier.

The magnifier is available for waist-level viewing or for eye-level viewing at 45° (right-way-round magnifier PEGOO). Both models are fitted with a bayonet mount and are interchangeable.

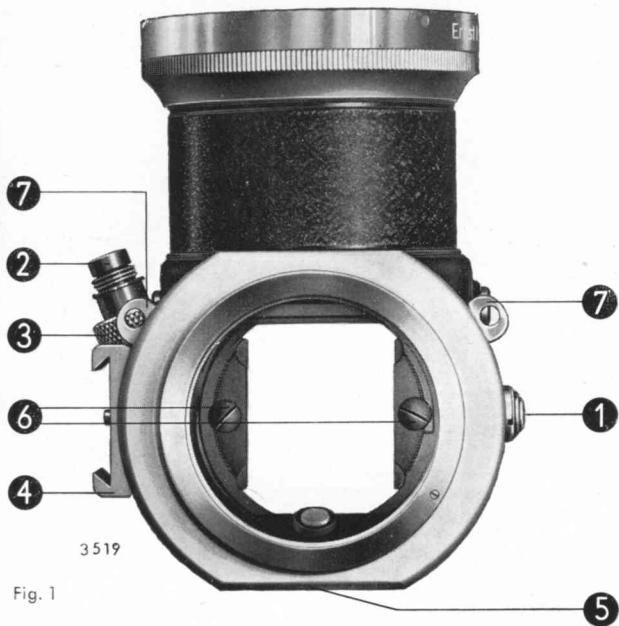


Fig. 1

Upright or horizontal formats are obtained by pressing the button (1) and turning the camera at the same time. The turning mechanism locks in both positions. Pressure on the button (2) raises the mirror. The end of the twin cable release to fit the button (2) for raising the mirror is marked with a black ring (illustration 2.)

With time or slow instantaneous exposures it is important to keep the plunger of the cable release depressed until the shutter has completely run down. Otherwise the mirror would fall back across the path of the light from the lens still during the exposure.

The mirror can be locked in the open position (for instance when the framefinder is used) by depressing and turning the ring (3) to the right.

In addition, the complete twin cable release and the cable release for the reflex housing itself are each fitted with a locking screw, to lock the shutter and the mirror alone.

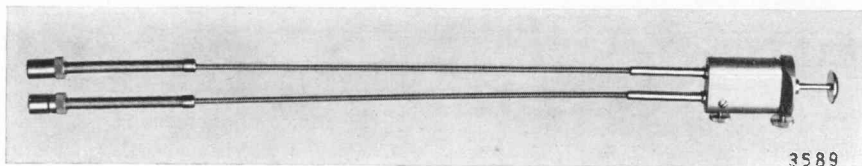


Fig. 2

The shoe (4) takes the framefinder for the TELYT 20 and 40 cm. lenses.

When using a tripod, the latter must be screwed into the tripod bush (5) of the reflex housing, and not into the tripod bush of the LEICA. With the TELYT 40 cm. lens the tripod for ball-and-socket head is screwed into the bush on the lens itself.

To carry the camera and outfit round the neck, two eyelets (7) are provided to attach a strap.

Should the reflex housing not be square to the camera when screwed in, that is the lower edge of the reflex housing not be parallel to the base of the LEICA, it can be adjusted in the following manner. Press the button (1) and at the same time turn the camera to the upright position. Lock the mirror by depressing and turning the ring (3) to the right. Unscrew (to the left) the screw now visible (6) with a suitable screwdriver. Square the reflex housing parallel to the base of the LEICA. For this purpose a black line is engraved on the lens mount and on the screw-in part of the reflex housing. Both marks must line up. Tighten the screws again and release the ring (3).

Apart from the TELYT and the HEKTOR 13.5 cm. in short mount all other lenses can be screwed directly into the reflex housing. The following magnifications are then obtained.

Lens	Scale of Reproduction	Subject distance	Field Size
2.8 cm. Hektor	2.2 : 1	5.26 in. (13.2 cm.)	4.0 x 6.3 in. (10.8 x 16.1 mm.)
3.5 cm. lenses	1.8 : 1	6.0 in. (15.3 cm.)	5.25 x 7.9 in. (13.4 x 20.1 mm.)
5 cm. lenses	1.2 : 1	8.25 in. (21 cm.)	7.85 x 11.8 in. (20 x 30 mm.)
8.5 cm. Summarex	1 : 1.3	13.7 in. (34.8 cm.)	13.0 x 19.4 in. (33.1 x 49.4 mm.)
9 cm. Elmar	1 : 1.44	14.7 in. (37.4 cm.)	13.6 x 20.4 in. (34.6 x 51.8 mm.)
13.5 cm. Hektor	1 : 2.2	24.7 in. (62.7 cm.)	20.4 x 30.5 in. (51.8 x 77.8 mm.)

Still more versatile combinations are obtained with the Universal Focusing Bellows (see List Photo No 8162). This gives a continuous focusing range from infinity to large close-ups.

The LEITZ-Cable Release

(For Reflex Housings from No. 7200)

Screw the thicker nipple (A) with the black ring on button (2) of the reflex housing and the other end (B) on the release button of the LEICA.

For viewing press the button (D) of the cable release. This actuates a tensioning mechanism which immediately raises the mirror when the camera is operated.

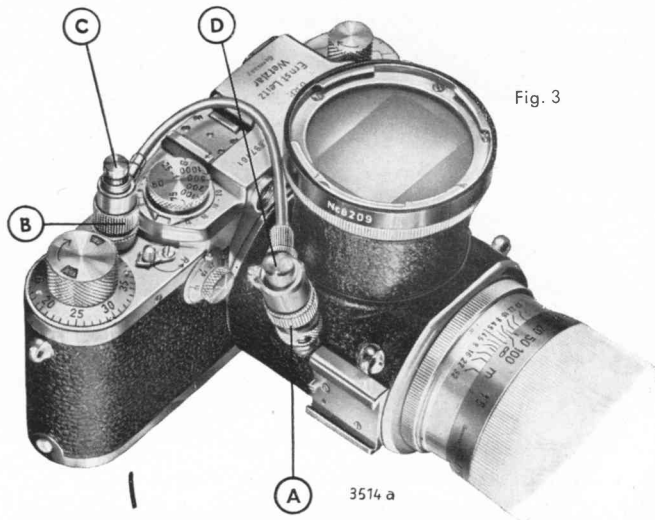


Fig. 3

The length of the cable release is calculated to allow also exposures to be made in the upright position while attached to the reflex housing.

Position of the cable release as illustrated.

Adjusting the Cable Release

When the release is first attached to the LEICA and the reflex housing, the LEICA should not be loaded with film. Tension the release by pressure on the button (D) and, after releasing the shutter of the LEICA, check that the mirror has been raised completely.

Should the shutter release too late, remove the ring (B) on the LEICA and turn the screw inside it by approximately half a turn to the left until it is correct. This is the screw which presses on the release button of the LEICA. (On the whole this should not be necessary, as the cable release has been adjusted at the factory).

This cable release permits instantaneous short exposures with the LEICA and reflex housing held in the hand, as the camera can be gripped firmly and safely with both hands. When a tripod is used, the LEITZ cable release can be screwed on the release button (C).

We cannot be responsible for perfect operation of the LEICA with accessories not made by us, nor can we fit or adjust such accessories to the LEICA. Precise adjustment of genuine LEITZ accessories is carried out with special testing gear, developed after years of experience which guarantee absolute reliability and perfect long-term service.



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