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# Operating Instructions

for

**Kipitt**

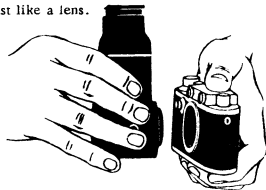
## Kilarscope and Kilarflex Reflex Housings

HEINZ KILFITT, OPTISCHE FABRIK

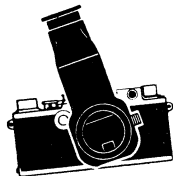
GROSSHESSELOHE bei MÜNCHEN

P L E A S E - take a few minutes to read these instructions. You will be able to get excellent results right from the start, once you are familiar with the simple operation of the reflex housing.

LEICA (up to IIIIf): Screw Reflex Housing (with coupling cable removed) into camera just like a lens.



Turn until you feel a distinct stop. At this point the camera and housing will look like this - - - - -



Overcome the stop and continue to turn until camera and housing look like this - - -



Now, turn with force until the reflex housing is lined up parallel to camera body like this - - - - -

DON'T HESITATE TO TURN THE HOUSING WITH FORCE - thanks to the patented flexible thread of the housing, neither the camera nor the housing will be hurt.



LEICA M-3: The Reflex Housings for Leica M-3 have a bayonet adapter ring, permitting the housing to be attached to the camera just like a lens, by matching the red dots and turning the housing until it clicks into place on the camera.

If, during the initial use, the housing does not line up correctly, you need only follow the directions above (for screw-mount Leica) for accurate alignment.

The bayonet adapter for Leica M-3 is detachable, so that the housing may also be used with regular screw-mount Leicas or similar cameras.

CONTAX: Set Contax focusing scale to Infinity (∞). The Kilfitt reflex housings for Contax have a large bayonet mount which fits onto the camera just like a large Contax lens, and locks in position. The mount is aligned correctly at the factory and requires no additional adjustment.

Once the housing has been correctly attached to the camera, the camera may be turned to horizontal or vertical position as you wish. You will feel a distinct "click stop" in either position.

The coupling cable is attached only after the housing has been installed. FIRST, screw finger tip release to camera release button (upper arrow); then insert plug into side of reflex housing (lower arrow).

The mirror is set, and the camera made ready for operation, by pushing down button on opposite side of housing. The mirror will stay set until you press the release of the coupling cable. Re-set after each exposure.

You may want to try the operation of the housing without mounting it on the camera. Hold the coupling cable in a curved position - it will not operate when straight. After going through the steps: Set mirror - Release - Set mirror - Release, you will become familiar with the smooth operation.

With the mirror set, you are ready for focusing and viewing. You can adjust the 5x magnifier for your vision by pointing the housing at a light surface, or sky, and turning the magnifier until the grain of the ground glass appears critically sharp. This setting of the eye piece will apply to your vision once and for all. (Correction lenses for faulty vision are available on special order).

TAKING THE PICTURE: With the desired lens attached to the reflex housing, set the mirror, and focus lens by observation of the ground glass image. The vertical or horizontal picture areas are delineated by black and red etched frames on the ground glass. Critical focusing of the lens is best done at full lens aperture.

Wind camera shutter. When ready for exposure, press camera release button; this will release the mirror a fraction of a second before the shutter.

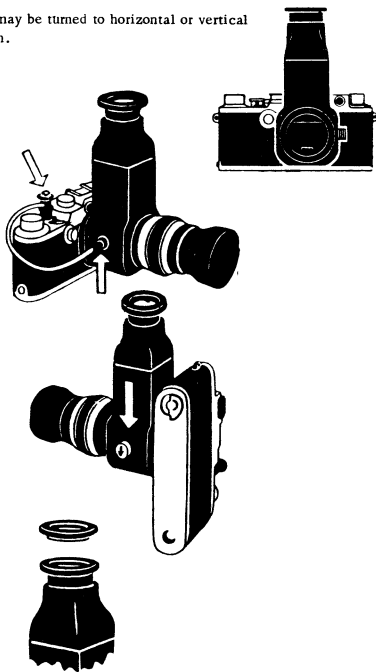
#### TO REMOVE HOUSING FROM CAMERA:

FIRST: REMOVE COUPLING CABLE. Detach plug from housing and unscrew release from camera.

LEICA (up to IIIf): Un-screw housing; you may again use force to loosen the thread without fear of hurting the equipment.

LEICA M-3: Push lens release button on camera, then detach housing.

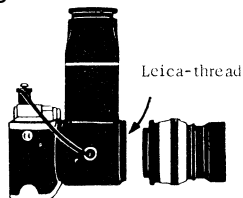
CONTAX: Press down on locking lever of reflex housing mount, and turn housing off the camera.



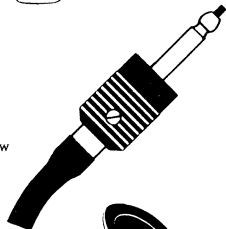
LENSES:

Kilarscope and Kilarflex housings accept all Basic (short mount) Kilar lenses, and other lenses having Leica-type thread. For use with Basic Tele-Kilars 150-300-400-600 mm, the Kilarscope and Kilarflex for Leica are supplied with an adapter (rezwi); this adapter is not necessary for the Contax housings. 90 mm and 135 mm Kilar lenses are used on the Leica Kilarscope and Kilarflex without the rezwi adapter; they cannot be used with the housings for Contax.

When used with standard camera lenses, the reflex housings operate as "extensor tubes" and can be used for extreme close-ups.



ADJUSTMENT OF MIRROR SYNCHRONIZATION: The coupling cables are carefully adjusted at the factory so that the mirror is released just before the shutter operates. To modify the synchronization, loosen the small lock screw in the plug body and slide the release core in or out. Shortening the protruding core results in a shorter time lag, lengthening in a longer lag between mirror and shutter release moments. This fine adjustment must be made with great care. Tighten lock screw after desired setting has been determined.



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MISCELLANEOUS INFORMATION:

RUBBER EYE CUP. To facilitate focusing and viewing through the magnifying eye piece in bright light, an accessory rubber cup (remus) is available. It is also recommended for use with eye glasses.



USING CABLE RELEASE: When the camera is to be released with a cable release (tripod exposures, etc.) the top ring of the finger tip release of the coupling cable may be removed, and a regular Leica-type cable release attached over the coupling cable release button.



EXTREME CLOSE-UPS may be taken with Basic Kilar lenses by adding extension rings, or using the Kilfitt Bellows Focusing Attachment.

C A U T I O N : THE SILVERED MIRROR of the housing may be kept clean by an occasional dusting with a soft hair dusting brush. Do not touch mirror surface by hand. Do not use linen or leather dusting cloth.

THE COUPLING CABLE is flexible, but sharp bending may cause permanent damage.

ALWAYS DETACH COUPLING CABLE BEFORE ATTACHING OR REMOVING HOUSING FROM CAMERA