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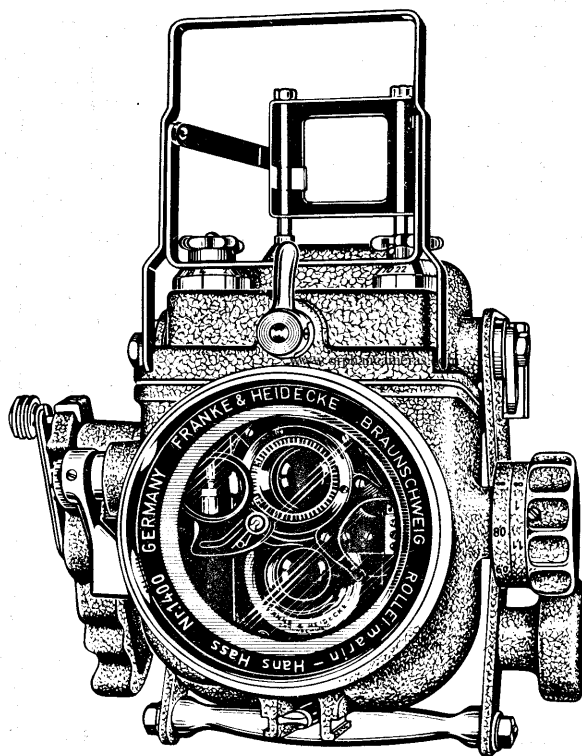
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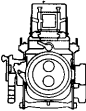
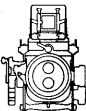
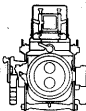
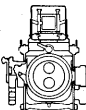
Rolleimarin

IN PRACTICAL USE



FRANKE & HEIDECKE · BRAUNSCHWEIG

Rolleimarin models and

Rolleimarin model	Rolleiflex 3.5 Camera Serial No. From - To	Identification marks of this Rollei model
 <p style="text-align: center;">1</p>	<p>(567,000 - 1,099,999)* and 1,100,000 - 1,427,999</p>	<p>Tessar or Xenar 3.5 Bayonet size I Focusing Knob 24 mm ϕ</p>
 <p style="text-align: center;">2</p>	<p>1,428,000 - 1,739,999</p>	<p>Tessar or Xenar 3.5 Bayonet size I Focusing Knob 33 mm ϕ</p>
 <p style="text-align: center;">3</p>	<p>1,740,000 - 1,870,000</p>	<p>Planar or Xenotar 3.5 Bayonet size II Focusing Knob 39 mm ϕ Exposure meter with Light value indication</p>
 <p style="text-align: center;">4</p>	<p>from 2,250,000</p>	<p>Planar or Xenotar 3.5 Bayonet size II Focusing Knob 39 mm ϕ Coupled exposure meter Detachable folding type viewing hood</p>

The possible use of a Rolleiflex model in the Rolleimarin housing depends on the standard features of the camera series. If the camera

their matching Rolleiflex models

Necessary alterations to fit the camera into Rolleimarin			Notes
disconnect rear flap of the viewing hood		Camera with ground glass use Rolleigrid lens (not necessary for cameras with new Rolleiclear focusing screen)	<p>* For Rolleimarin I: Cameras with s/n 567,000 - 1,099,999 require hood conversions and must be fitted with non-removable sports-finder-type hood. Cameras with s/n 1,100,000 - 1,168,000 were designed with X-flash only thereby limiting flash use to 1/25 sec. with wire-filled lamps and 1/100 sec. with gas-filled lamps</p>
remove viewing hood	disconnect the exposure meter element from focusing knob		

received subsequent alterations it is advisable to contact the factory about the possibility of using the altered model in the Rolleimarin.

Preparing the camera

1. Viewing hood



1-3

Rolleimarin 1 to 3: Remove the hinge-shaft of the rear flap of the viewing hood with a suitably small, strong pin and a pair of pliers (1). Slide back flap back and downward and remove it from its guide pin (2).



4

Rolleimarin 4: Remove viewing hood in the usual way.

2. Exposure meter

The meter element, on cameras which have a built-in exposure meter, must be removed from the focusing knob.



3

Rolleimarin 3: Loosen screw (3a) and turn exposure meter element to the left to disengage it from the bayonet. Should the screw be covered with a leather piece: remove leather, provide a hole to fit over the screw and re-glue it again.



4

Rolleimarin 4: Both screws (4a) have to be loosened fully until the meter element can be removed.

3. Focusing knob



1-4

To couple the focusing mechanism to the housing a coupling clamp (5) is used (in connection with an adapter ring with Rolleimarin 1). The basic steps to mount the clamp: set camera to ∞ . Coupling clamp, with its loosened locking screw goes on the focusing knob - parallel to the camera back with its wide slot facing down. Before locking screw is tightened push clamp all the way until it seats on the flange (with Rolleimarin 3 and 4: focusing knob front has to be lined up with the outer edge of clamp).

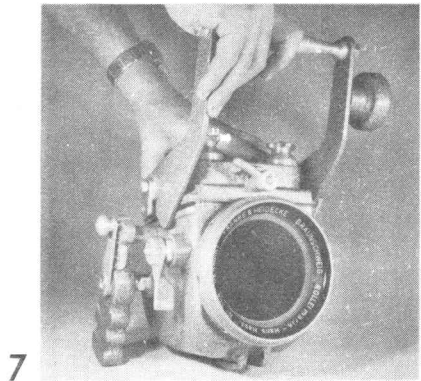
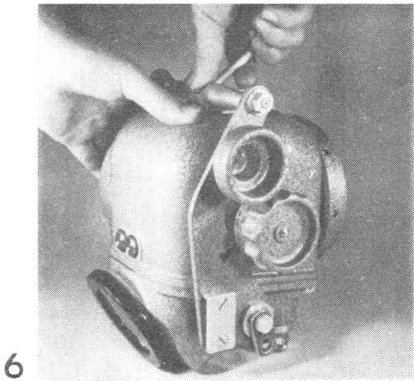
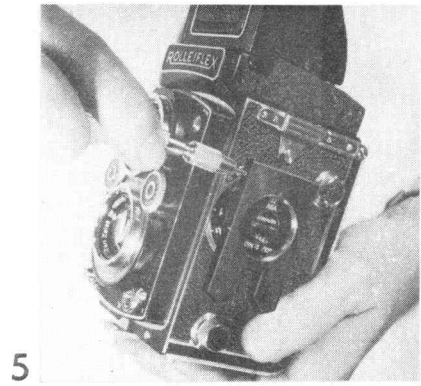
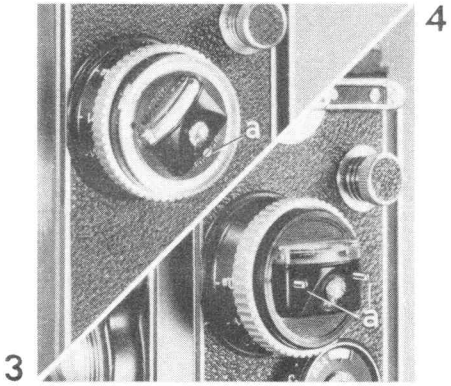
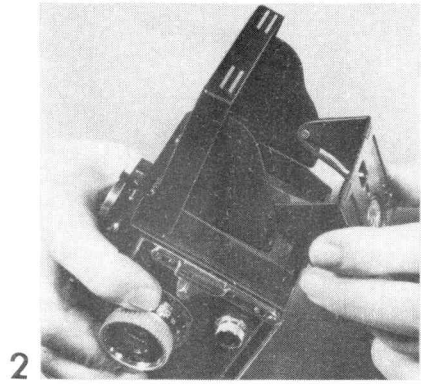
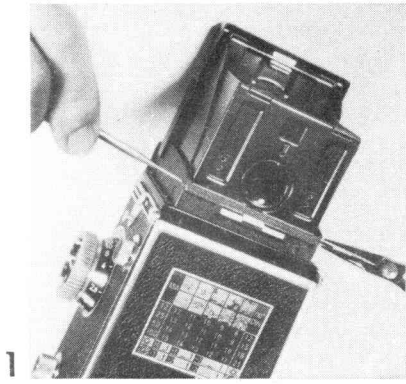
To open the Rolleimarin



1-4

Swing the eccentric latch lever backwards (6).

Then lift up the locking handle turning it over to the stop and tap it a few times against the stop rather hard to overcome the sealing effect of the rubber gasket (7).



To insert the camera



1-3

Rolleimarin 1 to 3: Set the shutter operating dials on both the camera and the Rolleimarin to diaphragm f:3.5 and "B" exposure time. Do not change these settings (see control of functions).

Turn over the top of the housing.

Slide the viewing hood of the camera behind the prism (8) and push the camera down towards the prism until the spring safety latch snaps into place. As an added precaution push the latch handle downward (away from the camera) (9).



4

Rolleimarin 4: Set the shutter operating dials on both the camera and the Rolleimarin to diaphragm f:22 and 1/500 shutter speed. Do not change these settings (see function control).

Turn over the top of the housing.

Set the camera with its focusing screen down on the Rolleimarin top (10) and lock it tightly by pushing it back fully.

To couple diaphragm and shutter speed controls



1-3

Rolleimarin 1 to 3:

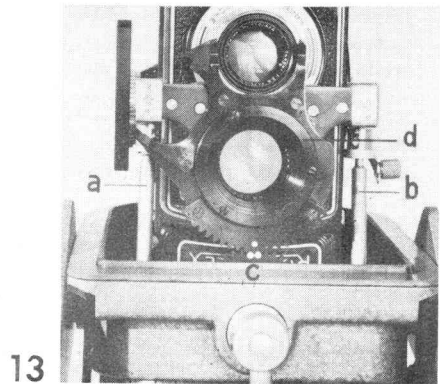
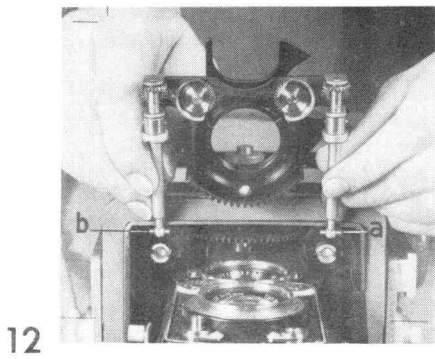
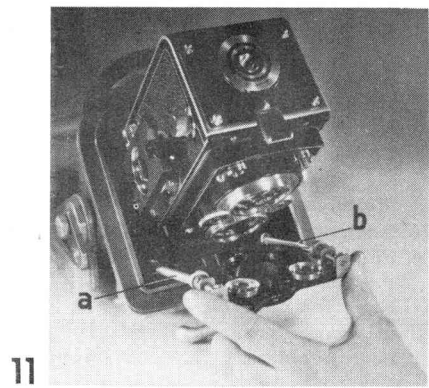
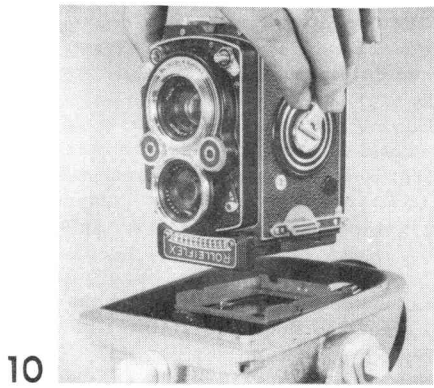
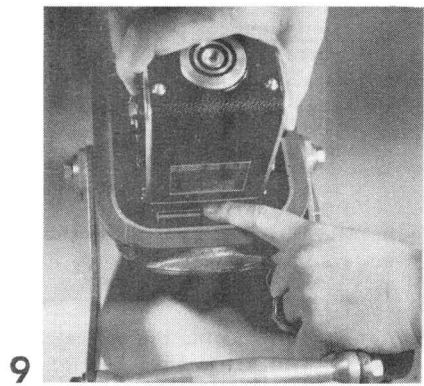
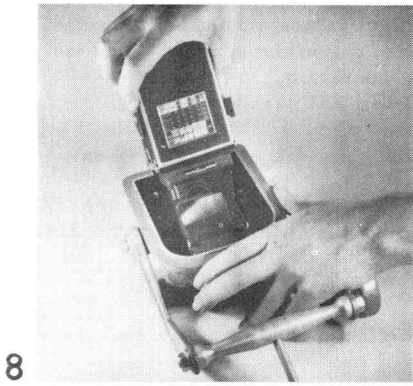
Move filter turret lever into vertical position.

The coupling section: click filter turret into its center position.

Insert coupling rods 11a and 11b into the connections of the housing, without disturbing the pre-set shutter speed and diaphragm values. Important for Rolleimarin 3: Turn coupling rods 12a and 12b in a way to the stop so that their two cross pins form one straight line.

Connect both gear segments to each other, so that the red marking dots form a triangle (13c) (exactly aligned).

Attach segment caps to the time and diaphragm dials. Turn ring (13d) to fit into viewfinder bayonet. Press ring down uniformly and turn it to the right until it snaps into lock position in the bayonet.





1-3

Function control: If the time and diaphragm values cannot be set in their full range (reason: during the coupling operation the equal settings were accidentally changed), repeat the coupling operation.

Insert filters

Hold the filter with a clean cloth and move it under the spring of the filter holder until it snaps in position. To remove the filter: lift it on the free edge slightly and pull it out.



4

Rolleimarin 4: Swing the operating lever until the red dot of the gear segment faces the center of the lens.

Swing the mount of the coupling part to the side.

Insert the coupling rods 14a and 14b into the connections of the housing without changing the position of the shutter operating knobs.

Engage both gear segments so that the red dots are exactly opposite each other (14c).

To connect the coupling caps to the speed and diaphragm knobs the connecting part has to be tilted in an angle at first to let the caps slide underneath the bayonet mount. Turn the ring (14d) to fit into the viewfinder bayonet. Press the ring down uniformly and turn it to the right until it snaps into locking position in the bayonet.

Function control: If the time and diaphragm values cannot be set in their full range (reason: during the coupling operations the equal settings have been accidentally changed), repeat the coupling operation.

Insert Rolleinars

Shooting - Rolleinar: Hold the unmounted lens with a clean cloth and move it under the holder. The Rolleinars 1 and 2 are marked for identification with either 1 or 2 notches on their periphery.

The viewfinder Rolleinar in metal mount: The knurled screw fits onto the long pin (15a) so that the short pin engages into the slot (15b) and the locking springs drop into position (15c).

The Rolleinars cover the range of 1.25 to 0.6m (set 1) and 0.6 to 0.4m (set 2).



4

To change Rolleinars: The two locking springs (15c) can be pressed apart by turning screw (15a) and the viewfinder Rolleinar can then be taken out of the holder.

To swing Rolleinars in and out of position: Turn the swinging holder in the front of the Rolleimarin from one stop to the other.



1-4

To load the film

The loading and the changing of the film is done by opening the Rolleimarin. The camera can remain on the Rolleimarin top for this operation.

Open the camera back and insert film as usual.

Wind only one turn of the film start onto the take-up spool. Swing the crank back to its full stop - but do not fold it back (16).

Close camera back.

Before the film is finally advanced to No. 1 the Rolleimarin must first be closed.

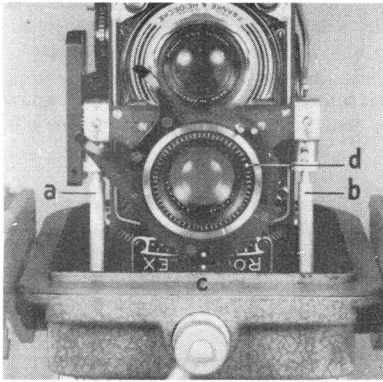
To close Rolleimarin

Set the camera to ∞ . Unlock the body release.

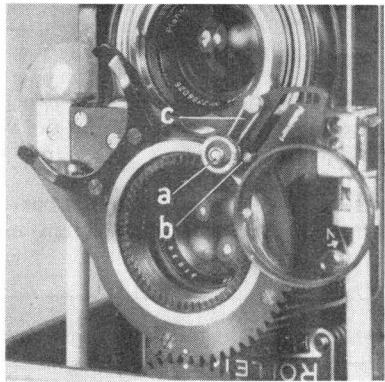
Lock the film transport crank of the Rolleimarin in position. Turn the focusing knob so that the inner coupling stud faces the bottom of the Rolleimarin.

Turn the Rolleimarin bottom to fit over the camera (17), without tilting it, and set it upon the rubber seal. Swing the locking handle over until eccentric lever snaps into place, then snap eccentric lever to the front with forced pressure.

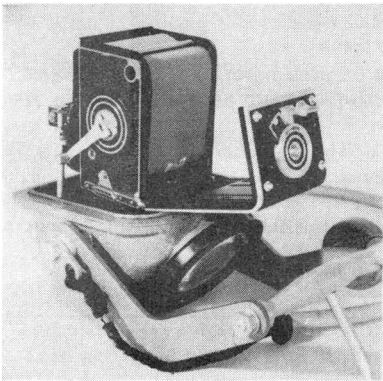
After the Rolleimarin is closed control the proper functioning through the clear view-disc.



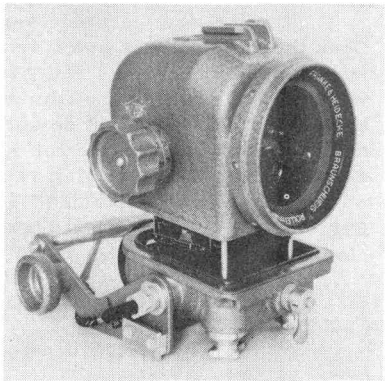
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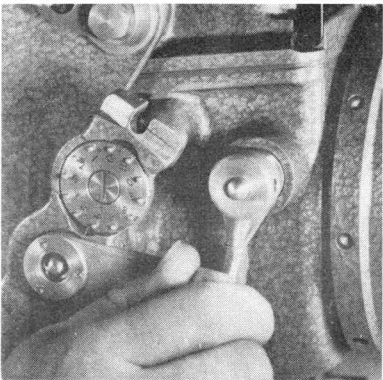
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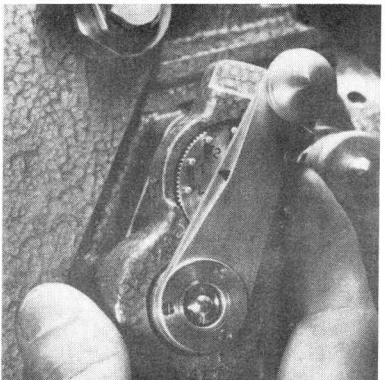
16



17



18



19



1-4

Function Control

Focusing action

Turn the focusing knob and test to see that the movement of the lenses operates in both directions without dead motion over the entire focusing range. (Otherwise the Rolleimarin bottom part has to be removed again and properly re-positioned.) Also check to see that at the ∞ setting of the camera the focusing index also shows ∞ (exact matching is only necessary if the frame finder is used). Otherwise the Rolleimarin must be opened again and the clamp plate on the focusing knob readjusted. Remember this setting for later use.

To release

Press the release lever and observe the operation of the shutter (which is still cocked from the loading of the film).

Film transport

Release the film transport crank and check to be sure that after winding 1/4 turn of the film the crank of the camera is actually advanced. Thereafter advance film finally to the first frame No. 1:

To advance the film to No. 1

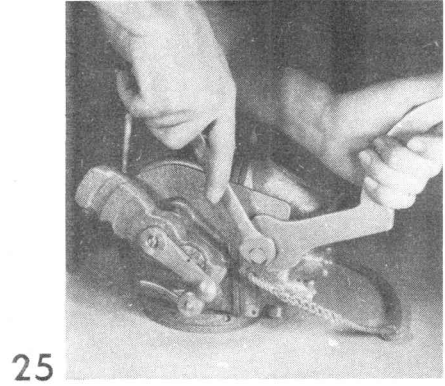
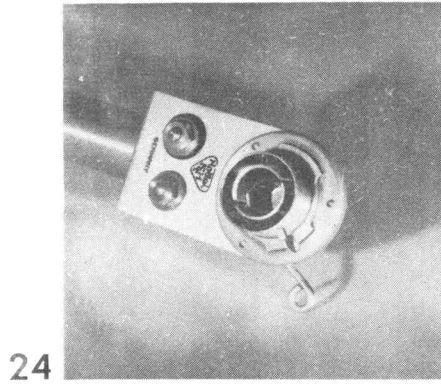
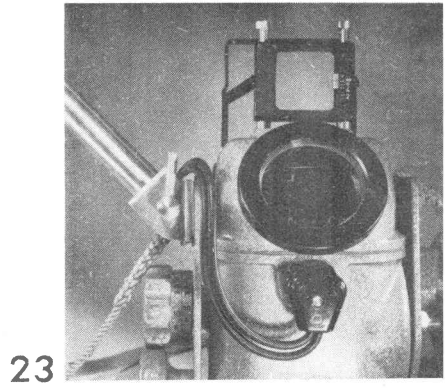
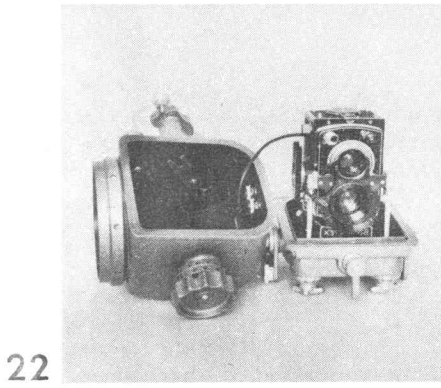
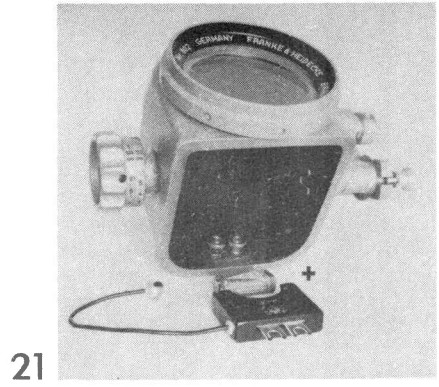
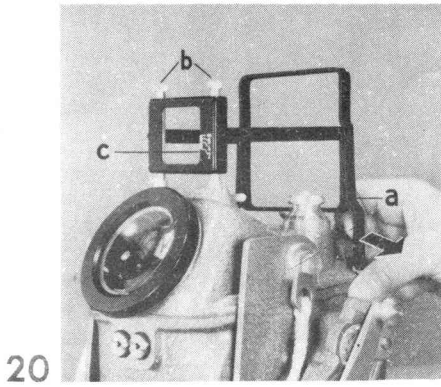
Move the transport crank in a steady pendulum motion and with sideways pull for a few times until it comes to the stop and return it back into the locking position (18).

Turn counter disc to No. 1 on the transport crank index (19).

Each further film transport: Release crank, and swing to the stop as usual and return the crank to its locking position.

To attach the frame finder

Move the filter lever to the side. Insert the frame finder into the mounting holes provided on the front of the Rolleimarin by slightly bending the frame apart (20a) and afterwards screw both holding screws down simultaneously until they are set at the stops (20b). Before shooting: Move the frame finder to the indicated distance mark to correct for parallax.





1-4

Taking the picture

Set the shutter speed, diaphragm and filter.

Focus in the usual manner. Through the immediate sharpness control the customary guessing errors under water are eliminated.

To determine the true focus distance read the left scale under water and the right scale above the water. (The right scale corresponds with the markings on the camera focusing knob.)

To set for a guessed distance under water use the right scale (symbol \approx) exclusively. It incorporates the optical illusion, which makes the object appear closer and larger under water (caused by the refractive index of the sea water of approximately 1.33).

The parallax compensation of the frame finder is marked for the true focus distances.



Flash pictures under water

1. To connect battery housing

After inserting the camera and before closing the Rolleimarin: Insert a 22.5 volt flat battery into the battery housing (21), with the plus pole of the battery facing the + marked side.

Fasten the battery housing on the Rolleimarin bottom part - according to the individual model: either plug into the socket or insert in the clamp screws, making sure that the engraved side always remains visible.

Insert the cable contact into the camera flash socket and set the synchro lever to M, also checking that the cable runs under the bottom of the camera (22).

2. Attach the flash gun

Slide the flash gun over the bracket provided on the left side of the Rolleimarin and tighten it with the eccentric lever. Insert the plug of the cable into the Rolleimarin back (23).

Using flash bulbs with bayonet socket (Swan): The provided adapter is inserted into the lamp socket (24) and the reflector is fastened by turning it to the right until it is tightly held in the bayonet. The reflector also functions as a lock for the properly inserted adapter. There is also an adapter available for glass socket bulbs.

For Edison socket flash bulbs: remove adapter first. Ejection of the bulb is accomplished by pressing the ejector.

Insert the flash bulb into the bayonet just before the exposure. The roughened surface of the spring contact will remove any eventual oxidation of the bulb and provide a perfect contact with it.

To remove the camera for normal use



1-3

Rolleimarin 1 to 3: Loosen the coupling part from the viewfinder bayonet by turning the ring to the left (see 13d) and remove it (important for Rolleimarin 3: First set to diaphragm 3.5 and "B" exposure!)

Press the safety clamp of the Rolleimarin top part against the camera (see 9) and lift out the camera.

Remove the clamp plate from the focus knob after loosening the screw. (Rolleimarin 1: Insert screw driver into dividing slot of the adapter ring and pry it so that it can be removed.)

Attach back flap of the viewing hood again and insert the holding shaft.

Rolleimarin 3: Fasten the exposure meter element into the focus knob by turning it to the right and tighten the screw again.



4

Rolleimarin 4: The coupling part is removed from the viewfinder bayonet by a left turn of the ring (see 14d). Lift the gear segment and remove the coupling part in a tilted position from the camera.

Press the locks at both sides of the focusing screen towards the camera and slide the camera to the front from the Rolleimarin top (as you do by removing the viewing hood).

Remove the clamp plate from the focus knob after loosening the screw.

To re-install exposure meter element: First set DIN/ASA 12, Filter factor 0, Time 1/500 sec. and f:22 - then insert the meter element into the focus knob and tighten the screws.



1-4

Care of the housing

1. After diving in salt water it is advisable to rinse the housing thoroughly in sweet water.
2. Be careful not to damage the sealing surfaces. To change damaged seals: Remove the seal, scrape the metal surface with a hard wood piece, clean if necessary with Benzol or Benzine. Glue the new sealing gasket into place with rubber cement. If necessary, locking lever should be re-adjusted.
3. To readjust the locking lever: Loosen the two hinge screws (hexagon) on the top part of the housing and turn the eccentric discs underneath an equal amount until the desired tension has been reached (25). Tighten the screws again.
4. To avoid condensation on the glasses by sudden temperature changes, it is advisable to place a small paper bag of silicagel in the Rolleimarin (under the camera bottom or behind the camera back).