
SUPPLEMENT No. 1
to Service Manual for
SIX-20
FOLDING 'BROWNIE'

Kodak
EQUIPMENT
SERVICES

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SIX-20
FOLDING 'BROWNIE'

MADE BY KODAK LIMITED IN GREAT BRITAIN

This book brings up-to-date the Service Manual for the Six-20 Folding Brownie and, in conjunction with it, shows how to service the latest of the range—the SIX-20 FOLDING BROWNIE WITH f/6.3 LENS AND 2-SPEED 'DAKON' SHUTTER.

THE CONTENTS OF THIS FOLDER CAN BE REMOVED AND FILED IF DESIRED IN A 3-RING 'NATIONAL' BINDER OBTAINABLE FROM MOST STATIONERS

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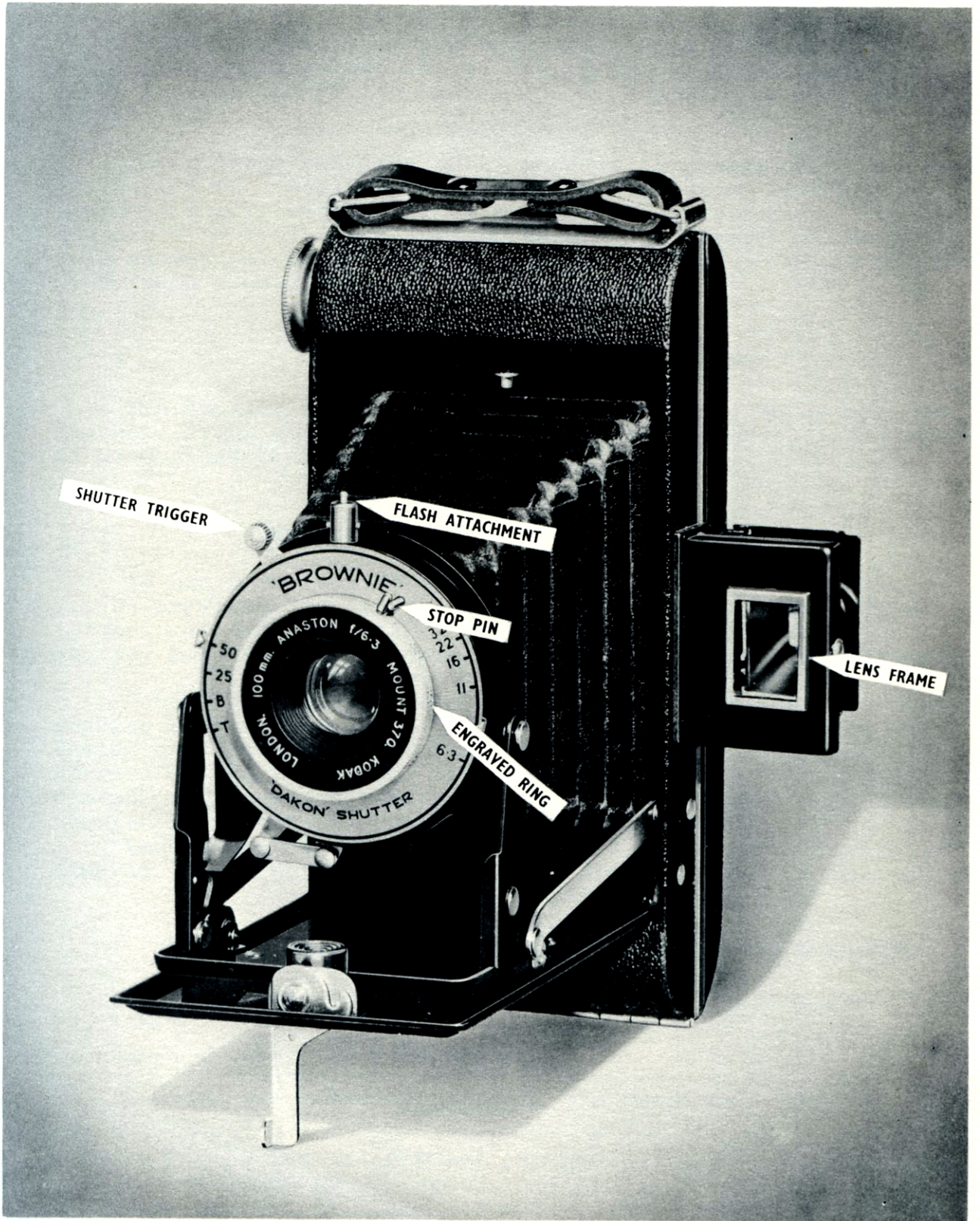


FIGURE 1

SECTION I—CHANGES IN DESIGN

The chassis of this new camera shows no radical change from that which forms the basis of the original Six-20 Folding Brownie, apart from improvements in the film pressure plate, and the cover-plate for the red window, and a modified front plate to take the new shutter.

The shutter and lens unit, however, represents a completely new departure. Besides having an f/6.3 focusing lens, the assembly incorporates the new 2-speed trigger-operated 'Dakon' shutter with built-in flash contacts. The camera is now fitted with an optical direct vision type view-finder in place of the open-frame type previously fitted.

SECTION II—CHANGES IN FINISH

The shutter now has a satin-chrome finish, while the bed bracket, front supports, and view-finder body are all finished in hard-gloss black enamel.

SECTION III—SHUTTER SERVICING SCHEME

It has been decided that the new 'Dakon' shutter should not be serviced locally but should be returned to Kodak Limited, London. In order to offer the quickest and most efficient service possible, an exchange scheme has been put into effect.

Under this scheme, lens and shutter assemblies requiring service should be sent to Kodak Limited, Equipment Service, Wealdstone, Harrow, Middlesex, who will supply replacements to be charged at the full rate, less £1.0.0 allowance on the old assemblies, provided that they are considered by the Equipment Service Department to be economically repairable.

Lenses must be focused individually when first fitted to cameras. Instructions for focusing are contained in Section V.

SECTION IV—REMOVAL AND REPLACEMENT OF SHUTTER

For this operation a retaining-ring key is required (Tool No. T.21).

To remove shutter and lens assembly

1. Open the camera and insert the retaining ring key. (See Fig. 2)
2. Engage the caliper end of the tool with the slots of the lens-retaining ring.

3. Taking great care not to allow the caliper end to slip off and damage the lens or bellows, and holding camera front firmly to prevent strain, unscrew the retaining ring.
4. With retaining ring removed, withdraw lens and shutter.

To replace shutter and lens assembly

Reverse the procedure outlined above.

SECTION V—FOCUSING INSTRUCTIONS

It is possible to adjust the focusing of the f/6.3 Anaston lens by moving forward or backward the front element of the lens. Required for this operation are:

1. Watchmaker's screwdriver.
2. Piece of ground glass.
3. Line drawing or other suitable target on which to focus.

After the lens and shutter combination is installed in the camera (see Section IV) proceed as follows:

1. Set up suitable focusing target at 15 ft.
2. Screw up tightly the rear element of the lens.
3. With the watchmaker's screwdriver, unscrew the stop-pin from the rim of the front lens mount. Retain this carefully. This action releases the engraved scale, which is threaded over the rim of the lens mount. (See Fig. 1)
4. Set up camera, 15 ft. from the target, with the matt surface of the ground glass pressed flat against the film guide rollers.
5. Rotate the front element of the lens until the image of target is sharp.
6. While preventing the rotation of the front lens element, screw on the engraved ring to the limit of its thread. Still preventing rotation of the front lens, unscrew the engraved ring about a quarter-turn until the 15-foot mark coincides with the pointer.

Note.—Finger pressure on the front of the lens-mount should be sufficient to prevent rotation of the lens during the above operation.

7. Re-insert the stop pin and tighten it carefully until engraved scale is locked. Take care not to damage the thread on which the stop pin locks.
8. Lens should now be in focus throughout the scale.

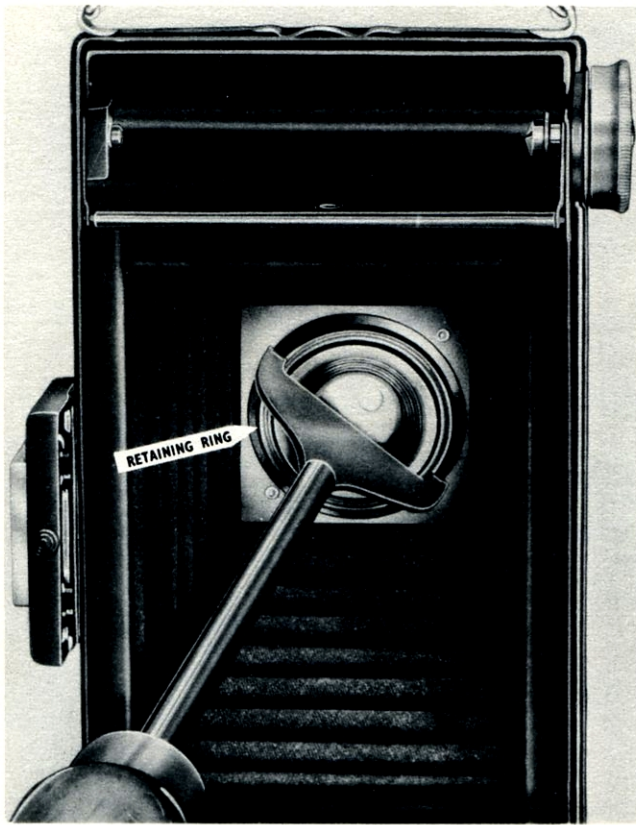


FIGURE 2

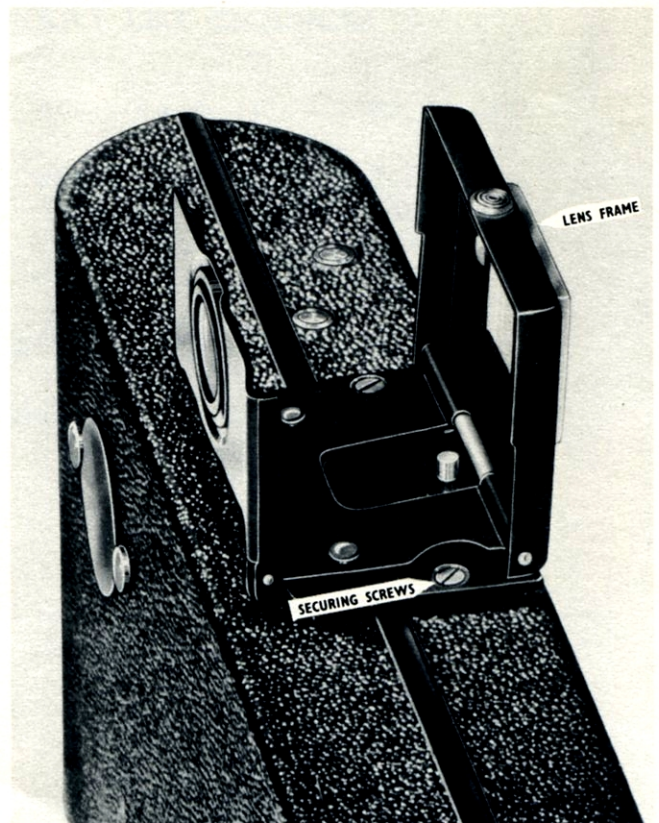


FIGURE 3

SECTION VI—HOW TO SERVICE THE VIEW-FINDER

1. To change view-finder complete

1. Remove the securing screws shown in Figure 3.
2. Lift off the view-finder.
3. Replace with new finder and secure with original screws.

2. To replace front lens of finder.

1. Lift the lugs securing the lens with a small screwdriver.
2. Remove the lens-retaining frame and lens together.
3. Place new lens in position in frame with convex surface forward and replace frame so that the lugs project through the appropriate slots.
4. Bend over the securing lugs and work them flat with a screwdriver.

3. To replace rear lens of finder.

1. Lift lugs securing rear lens.
2. Remove old lens and insert replacement.
3. Secure new lens by re-setting the securing lugs.

SECTION VII—PART LIST CHANGES

The following part numbers are changed on this new model:—

Key Complete	Part No.	90816	Old No.	94532
Bellows	, ,	94050	, ,	94464
Bed Hinge Bkt.	R.H.	91856	, ,	98417
, , ,	L.H.	91855	, ,	98418

The following new service parts are available:—

Optical Direct Vision Finder	Part No.	D.3669
Handle Complete	, ,	94545
Handle Links	, ,	94438
Finder lens (front)	, ,	D3673
Finder lens (rear)	, ,	D3672

Prices, which are subject to Purchase Tax and normal discount, are listed in a separate Price List.

Address orders to Kodak Limited, Equipment Service, Wealdstone, Harrow, Middlesex.