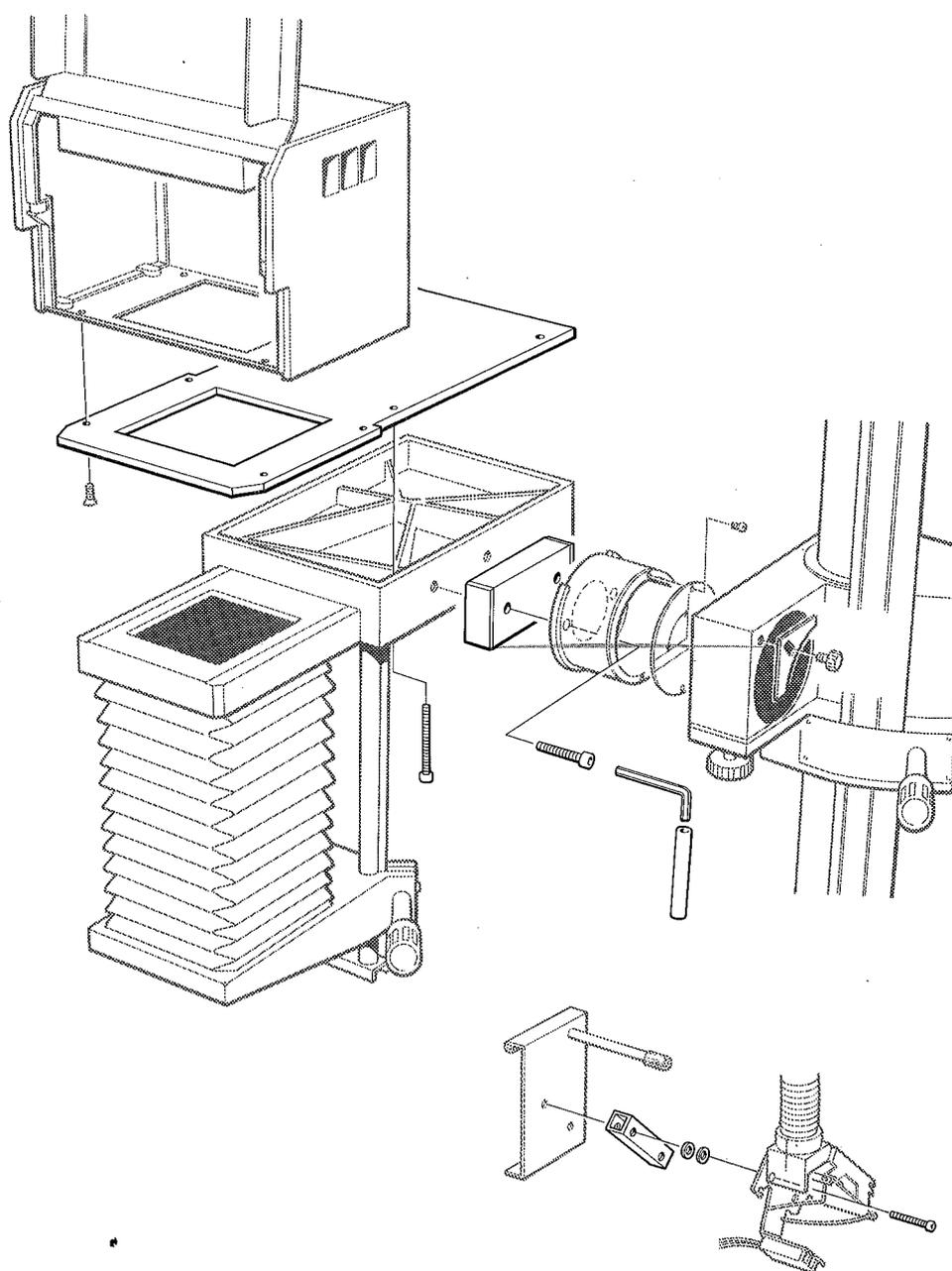


ILFORD MULTIGRADE 500

ADAPTOR KIT
FOR
THE IFF EUROGON
ENLARGER



DIFFUSER

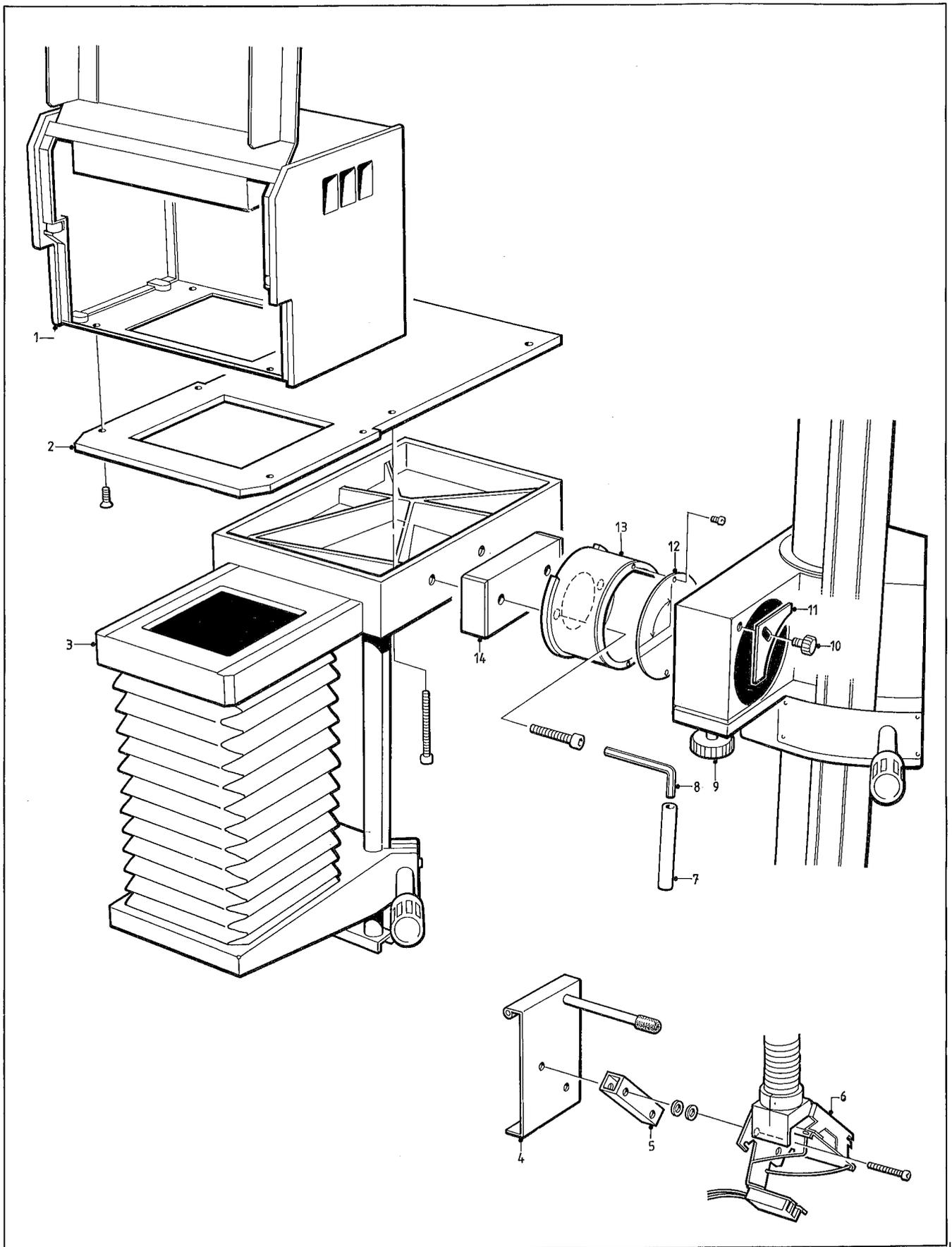


Figure 1.1

1 PRE-INSTALLATION

- 1 MULTIGRADE 500H enlarger head
- 2 Adaptor plate
- 3 IFF Eurogon chassis
- 4 Lampholder slide - left hand
- 5 Packing block
- 6 Lampholder - left hand
- 7 Extension tube
- 8 Socket wrench
- 9 Knurled clamping knob
- 10 Knurled screw
- 11 Securing plate
- 12 Nameplate/scale
- 13 Pivot
- 14 Pivot spacer

1.1 Introduction

The adaptor kit (see figure 1.1) enables the ILFORD MULTIGRADE 500H enlarger head to be fitted to the IFF Eurogon enlarger. The original enlarger head and condensers are replaced, and the MULTIGRADE 500 assembly supplies diffuse light. Installation is straightforward provided the instructions in this leaflet are carefully followed. If you have any problems, please contact your nearest ILFORD selling company, the address of which can be found on the back cover of this leaflet.

Information regarding the fitting and changing of light mixing boxes is detailed in the MULTIGRADE 500 Operating manual, which must be read thoroughly before the equipment is used.

WARNING

To prevent irreparable damage to the equipment, do not use force when carrying out any of the following instructions. Because the lamp slides are free to move, handle the MULTIGRADE 500H enlarger head with extreme care. Remove the lamps if you feel it is necessary.

The IFF Eurogon enlarger is designed so that the head can be tilted backwards for horizontal projection. If this facility is still required, then the pivot spacer must be fitted so that the MULTIGRADE 500H enlarger head clears the enlarger column when tilted. If the MULTIGRADE 500H enlarger head is to be used for horizontal projection a light mixing box retainer kit will also be required (see below).

MULTIGRADE 500 light mixing box retainer kit

A light mixing box retainer kit is available as an optional extra for use with this enlarger. The kit is designed to clamp the light mixing box and lamp slides in position so that the MULTIGRADE 500H enlarger head can be tilted for horizontal projection. Full fitting instructions are supplied with each kit.

1.2 Unpacking

The adaptor kit for the IFF Eurogon enlarger consists of the sub-assemblies detailed in table 1.1. Each sub-assembly is packed in a plastic bag, with the part number written on the bag. Please ensure you have all the correct items before proceeding with any of the fitting instructions (see also figure 1.1).

Table 1.1 Adaptor kit

Part no.	Description
6069-2-108	Register plate, 35mm
6069-2-109	Register plate, 6x7cm
6091-P-003	Light mixing box, 35mm
6092-P-003	Light mixing box, 6x7cm
6093-P-002	Light mixing box 4x5inch
6069-P-002	Packing block kit
6153-P-002	Sub kit

The packing block sub kit, part number 6069-P-002, consists of the items detailed in table 1.2.

Table 1.2 Packing block sub kit
6069-P-002

Description	Quantity
Packing block	2
Screw, M3x25mm, pan head	4
Washer, M3, plain	8

The sub kit, part number 6153-P-002, consists of the items detailed in table 1.3.

Table 1.3 Sub kit 6153-P-002

Description	Quantity
Adaptor plate	1
Pivot spacer	1
Screw, M8x50mm, socket head	2
Screw, M4x60mm, pan head	4
Screw, M4x16mm, countersunk head	4
Extension tube	1
Socket wrench, 6mm AF	1

- 1.3 **Removing the IFF Eurogon enlarger head**
The IFF Eurogon enlarger head is counter balanced to be moved up and down the column with the minimum of effort. Before proceeding, ensure the chassis is positioned at a convenient working height and securely locked onto the column.

WARNING

Never lean over counter balanced enlargers; failure of the locking mechanism could cause injury.

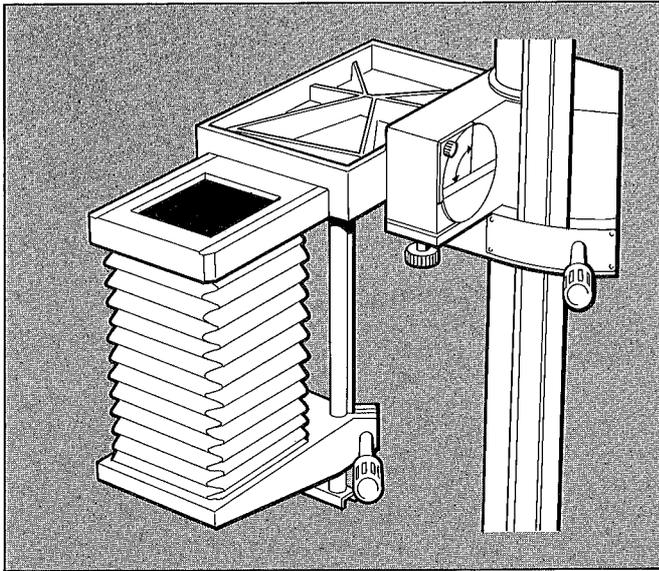
To remove the IFF Eurogon enlarger head, proceed as follows (refer also to the manufacturer's literature):

- 1 To avoid possible damage, remove the condenser lenses and store them in a safe place.
- 2 Remove the four screws securing the head to the enlarger chassis. The screws are located on the underside of the chassis, two towards the negative carrier and two at the rear of the chassis.
- 3 Carefully lift the head away from the chassis.

2

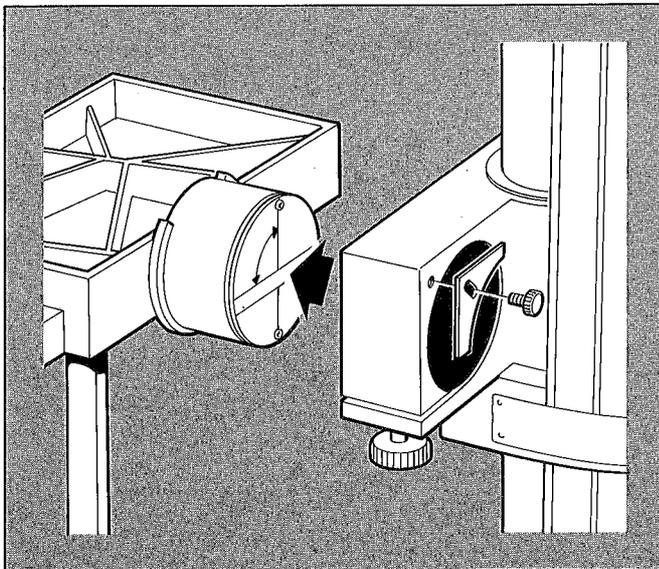
FITTING THE MULTIGRADE 500H ENLARGER HEAD

1



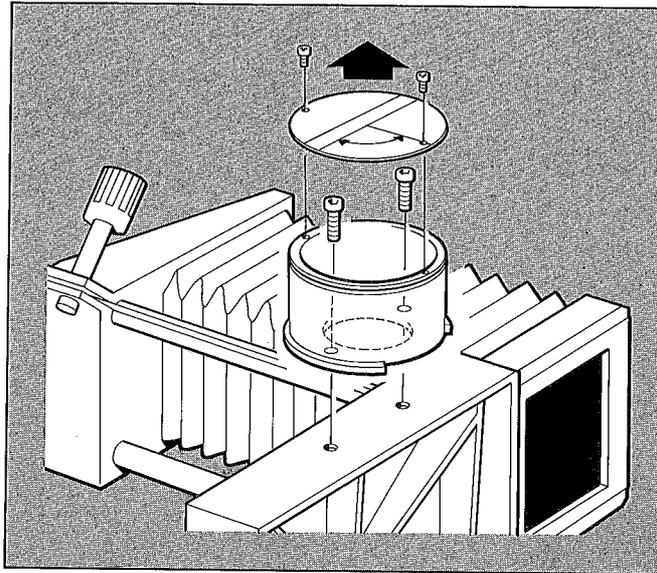
With the IFF Eurogon enlarger head removed, the enlarger is ready to accept the MULTIGRADE 500H enlarger head. If the MULTIGRADE 500H enlarger head is to be used for horizontal projection carry out operations 2 to 9. If vertical projection only is required follow operations 6 to 9.

2

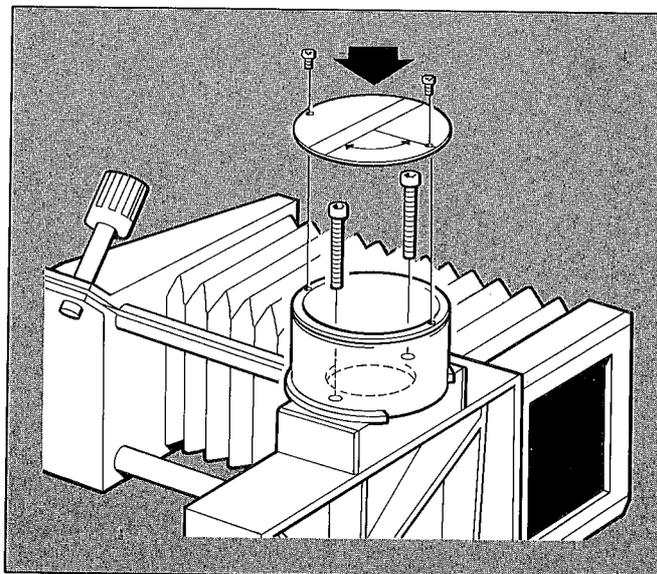


Release the knurled clamping knob below the pivot. The pivot will now be free to rotate. Release the knurled screw securing the retaining plate into the groove on the pivot. Carefully withdraw the pivot and chassis assembly.

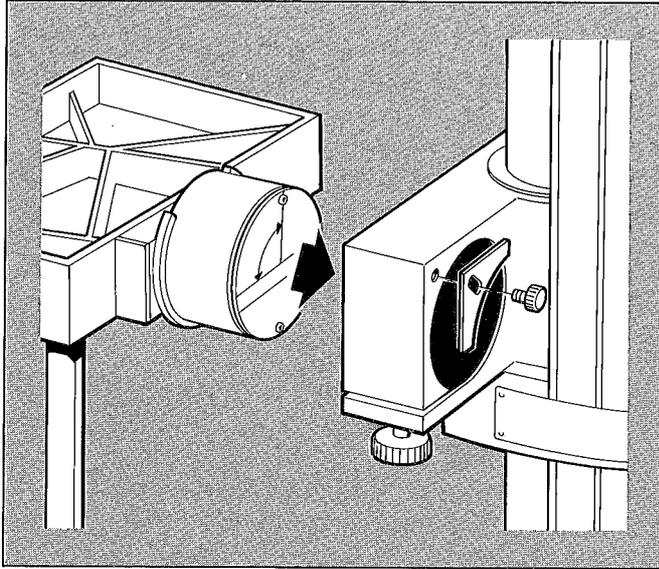
Carefully place the chassis on its side on the bench. Remove the two small screws as shown and ease out the nameplate/scale from the end of the pivot. Remove the two socket head screws securing the pivot to the chassis using the socket wrench and extension tube supplied. Remove the pivot, taking note of its orientation.



Fit the pivot spacer as shown, orientate the pivot correctly and secure using the two M8x50mm socket head screws. Refit the nameplate/scale.

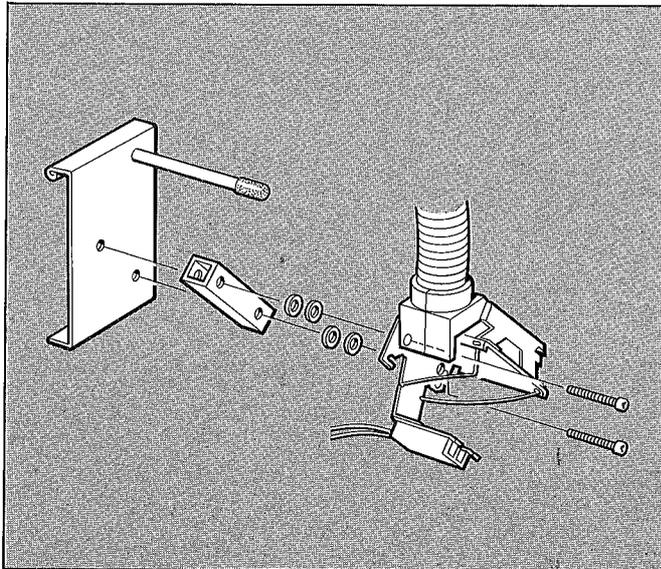


5



Refit the pivot.
Locate the retaining
plate into the groove
on the pivot and
tighten the knurled
screw.

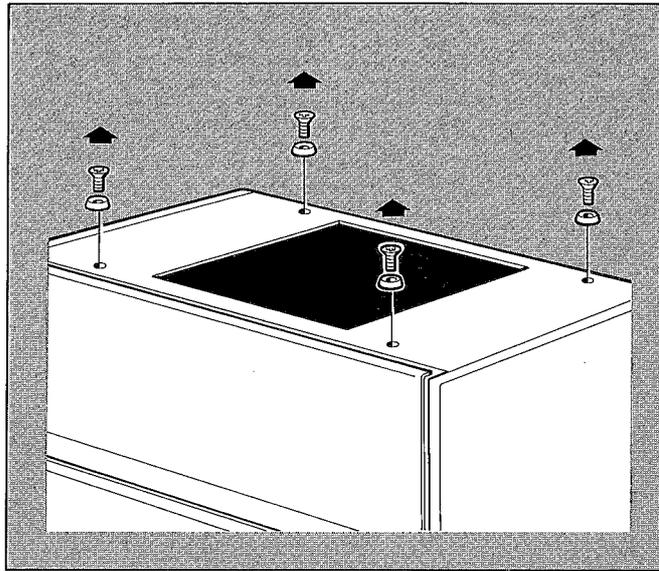
6



In North America,
the MULTIGRADE 500H
enlarger head is
supplied with lamp
spacers fitted; it is
therefore not
necessary to carry
out this operation.

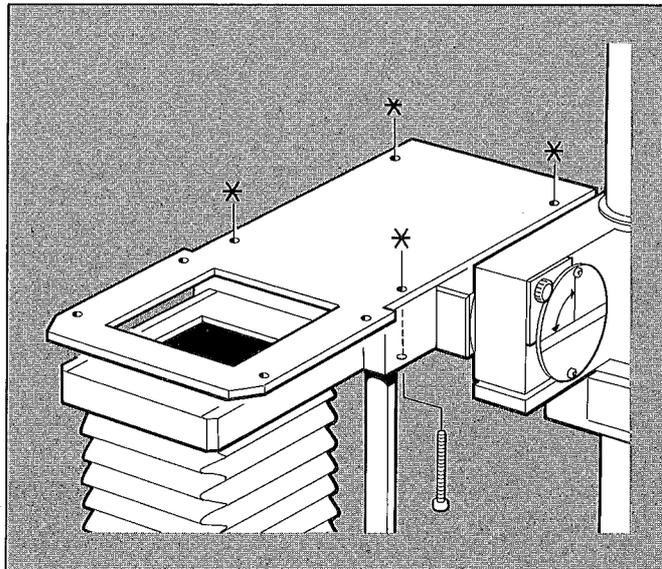
Remove the two lamps
and the two screws
securing each
lampholder to its
slide. Re-assemble
the left hand
lampholder to the
slide using the
spacer block, and two
of the M3x25mm pan
head screws and
associated washers,
as shown. Repeat for
the right hand
lampholder. Ensure
full movement of the
lampholders. Refit
the lamps.

Position the MULTIGRADE 500H head upside down on a bench. Remove and discard the four countersunk head screws and associated cup washers from the base.



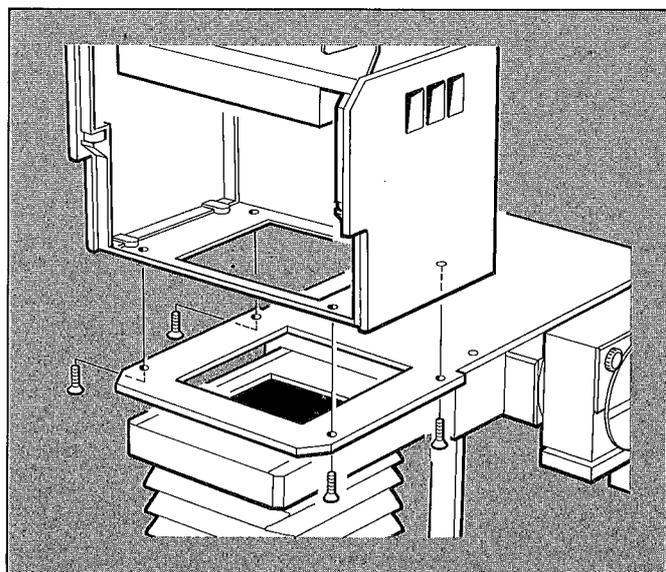
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Secure the adaptor plate on the enlarger using the four M4x60mm pan head screws as shown. Ensure that the plate is level and square on the chassis.



8

Secure the head to the adaptor plate with the four M4x16mm countersunk screws.



9

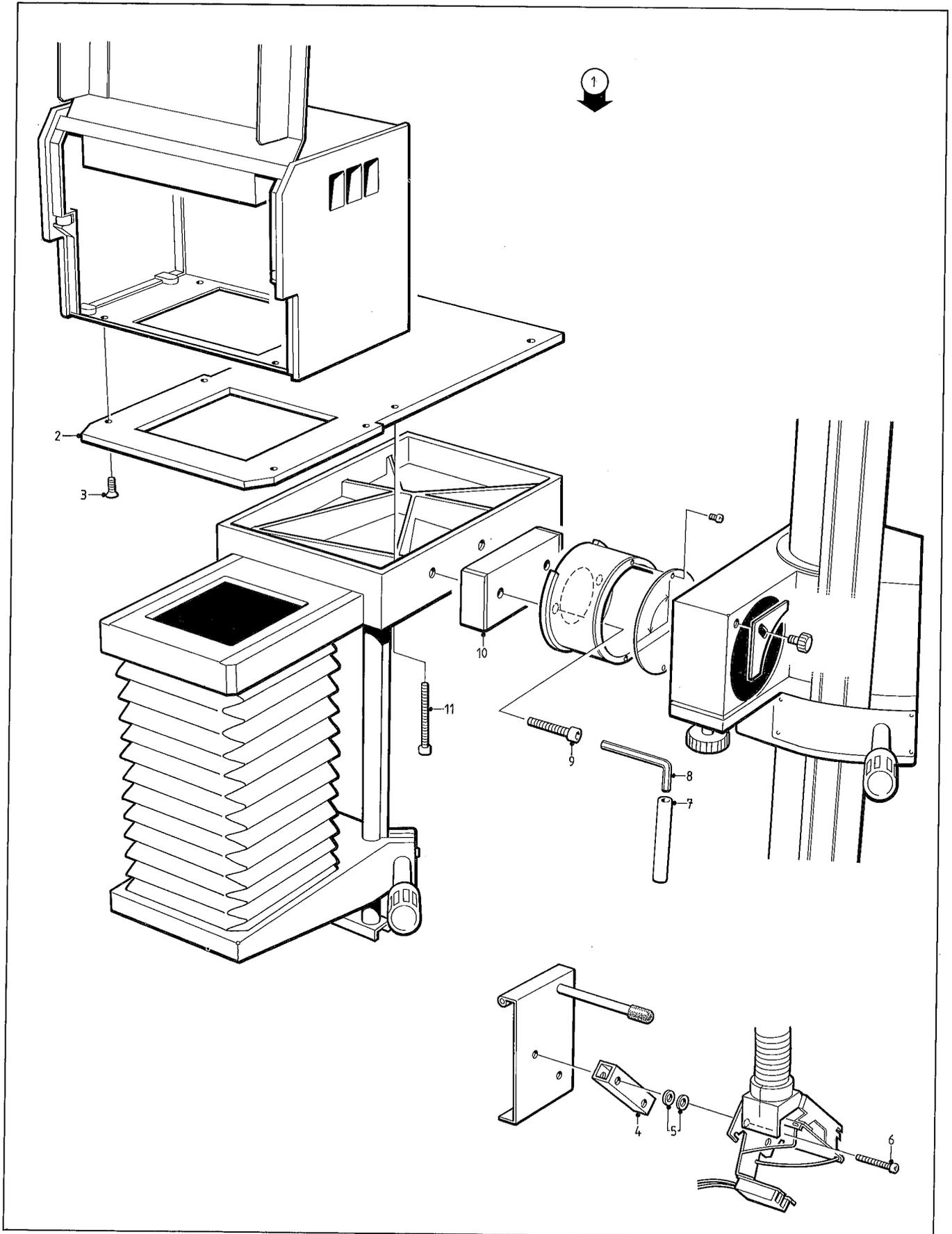


Figure 3.1

3

PARTS LIST

Figure 3.1 and the following table detail all spare parts that are available. When ordering spare parts, please quote the part number in order that ILFORD Limited may process your order quickly and efficiently.

Ref no. on figure 3.1	Part no.	Description	Quantity
1	6153-P-001	Adaptor kit, complete	
2	6153-1-100	Adaptor plate	1
3	87990451	Screw, M4x16mm, countersunk head	4
4	6069-4-110	Packing block	2
5	89730453	Washer, M3, plain	8
6	87992728	Screw, M3x25mm, pan head	4
7	6153-4-102	Extension tube	1
8	80004006	Socket wrench, 6mm AF	1
9	87992562	Screw, M8x50mm, socket head	2
10	6153-3-101	Pivot spacer	1
11	87992761	Screw, M4x60mm, pan head	4
12+	6069-2-108	Register plate, 35mm	1
13+	6069-2-109	Register plate, 6x7cm	1
14+	6091-P-003	Light mixing box, 35mm 25mm drop	1
15+	6092-P-003	Light mixing box, 6x7cm 25mm drop	1
16+	6093-P-002	Light mixing box, 4x5 inch 25mm drop	1
17+	6069-P-003	Light mixing box retainer kit (optional extra)	1

+ items not illustrated.