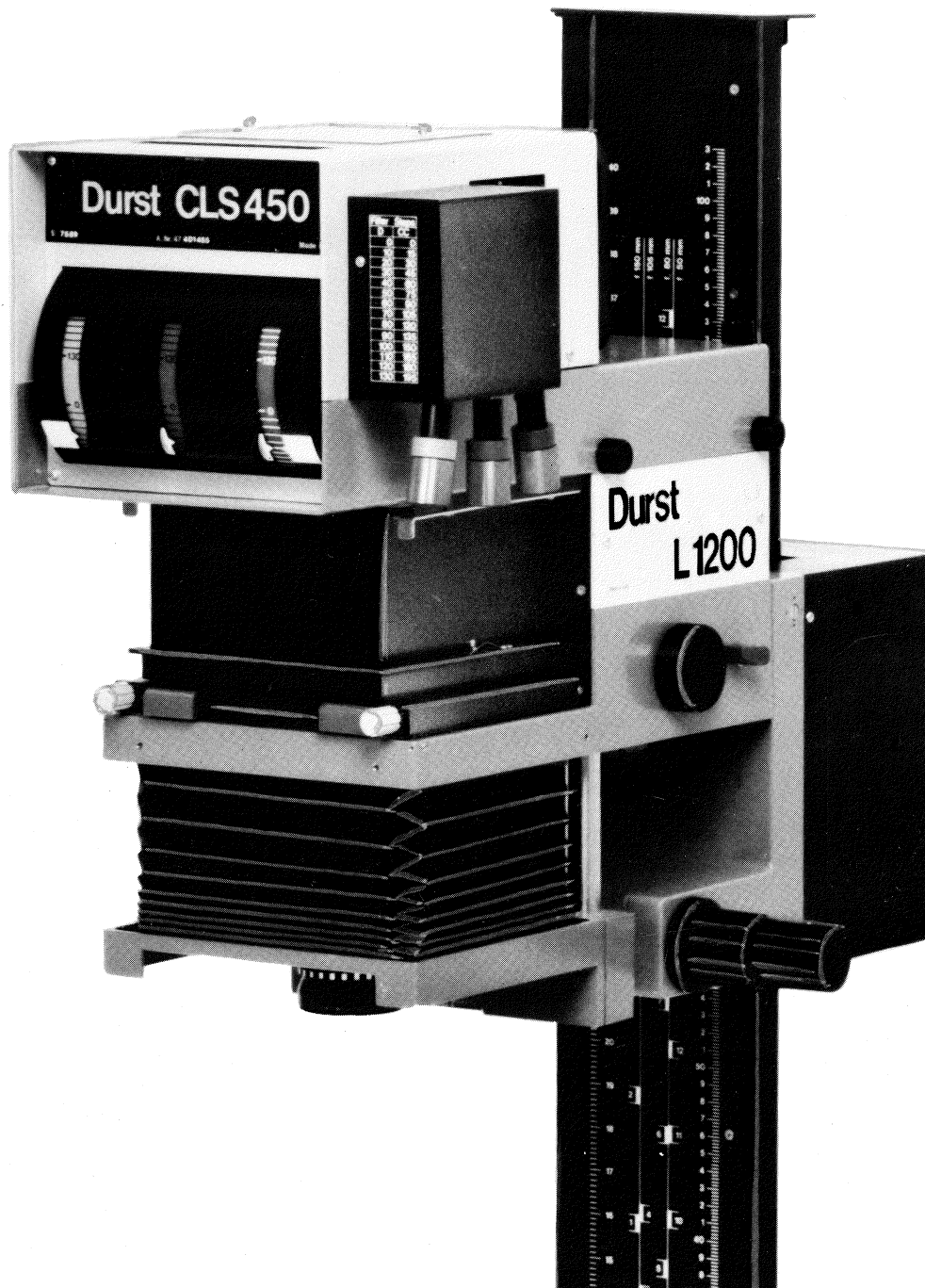


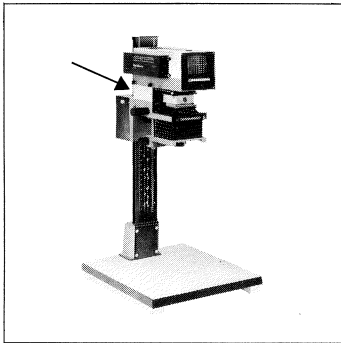
Durst Laborator 1200

SERVICING INSTRUCTIONS

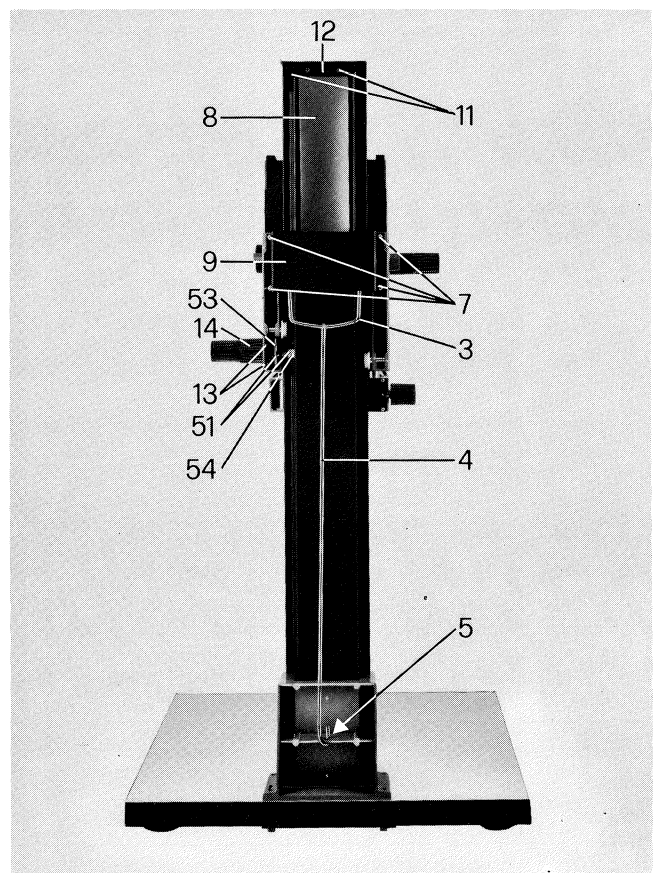
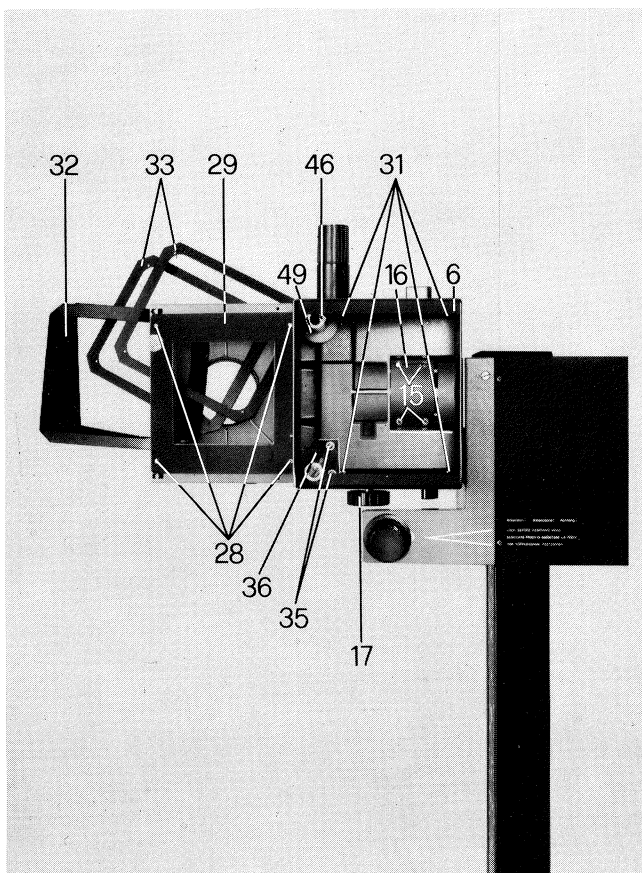


Removing the enlarger head

1. Raise the enlarger head to its highest position.
2. Remove the lens, the negative carrier, the light box as well as the condenser and the lighting hood.
3. Loosen the screws (15) and remove the engagement spring (16).
4. Unscrew fully the fixing knob (17) and take off the enlarger head forwards.

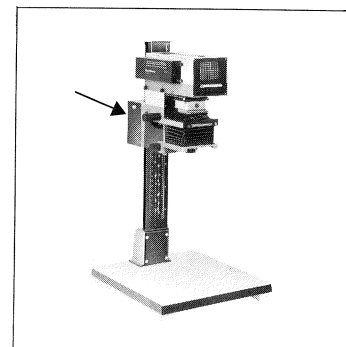


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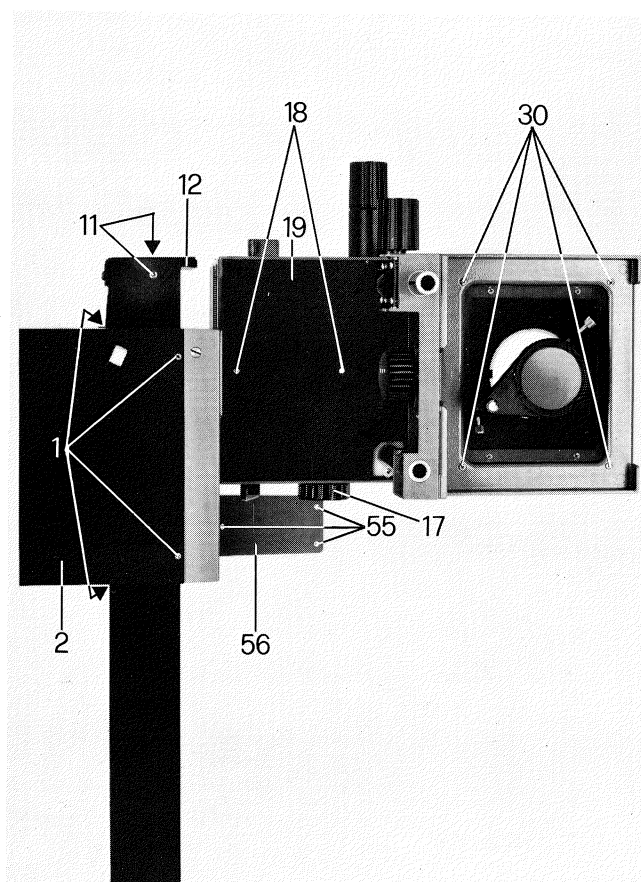
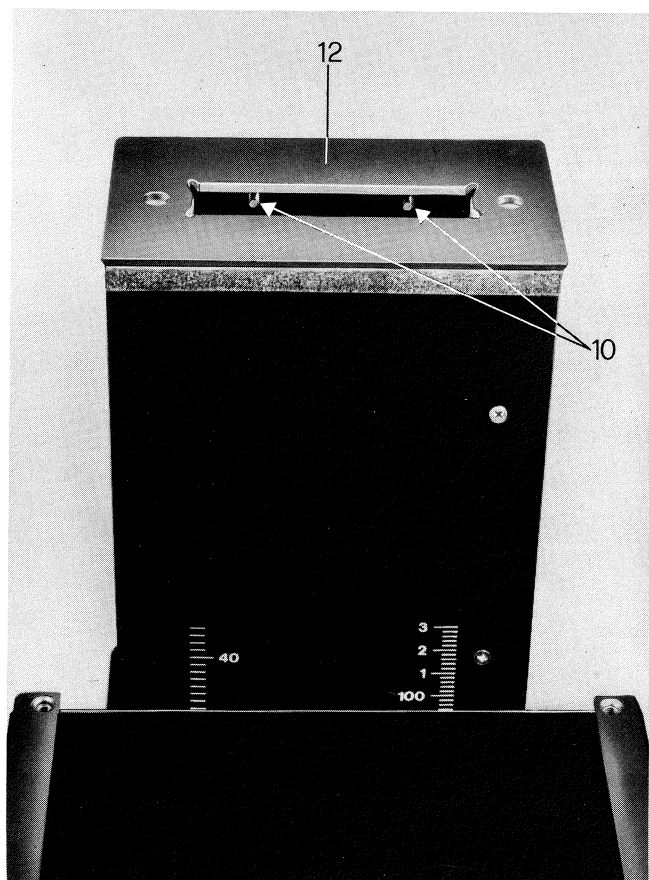


Replacing the counterweight spring

1. Raise the enlarger head to about halfway along the column and lock it.
2. Loosen the screws (1) and remove the covering hood (2).
3. Remove the negative carrier, the light box as well as the condenser and the lighting hood.
4. Hang the special bracket (3) on the springshaft.
5. Fasten the safety hook (4) in the column base hole (5), move the enlarger head upwards and at the same time connect the upper part of the safety hook (4) to the special bracket (3). Lock the enlarger head in this position by the knob (14).
6. Loosen the screws (7), pull the special bracket (3) downwards together with the safety hook (4) and take the latter out of the hole (5). Now slacken slowly the spring (8).
7. Spread out the bearing bracket (9) and remove it from the spring shaft.
8. Untighten a little the nuts (10), then loosen the screws (11), lift the front of the helmet (12) and unscrew the nuts (10). Take off the spring (8) and the helmet (12) and replace.

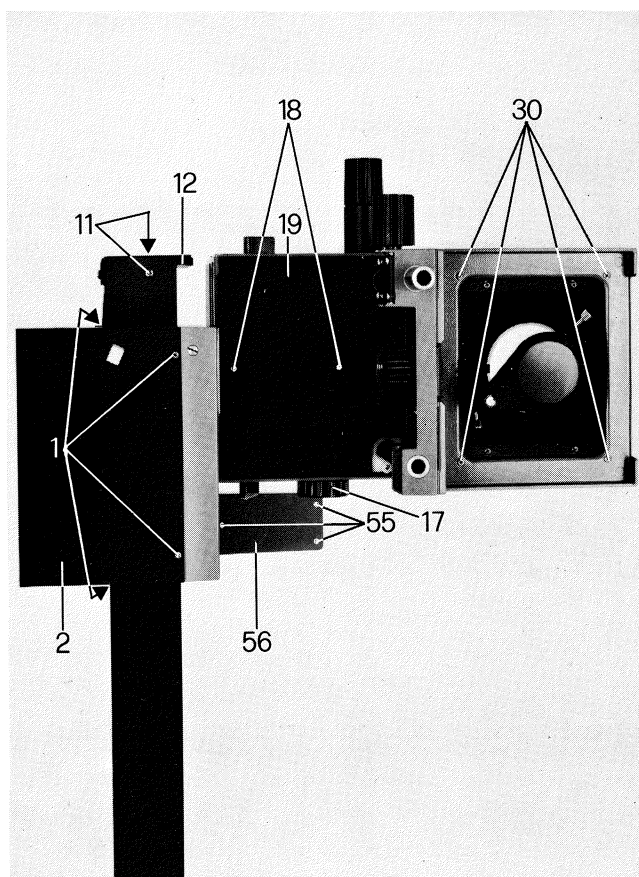
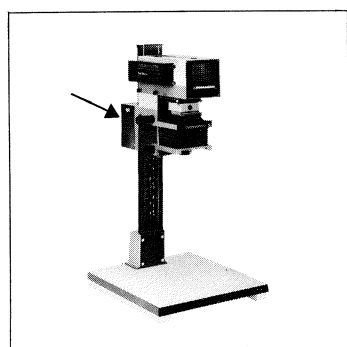


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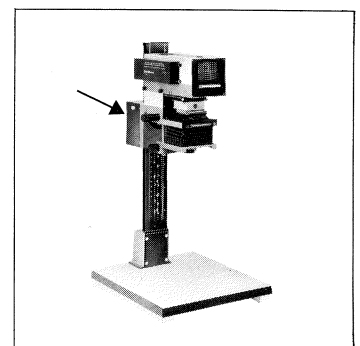
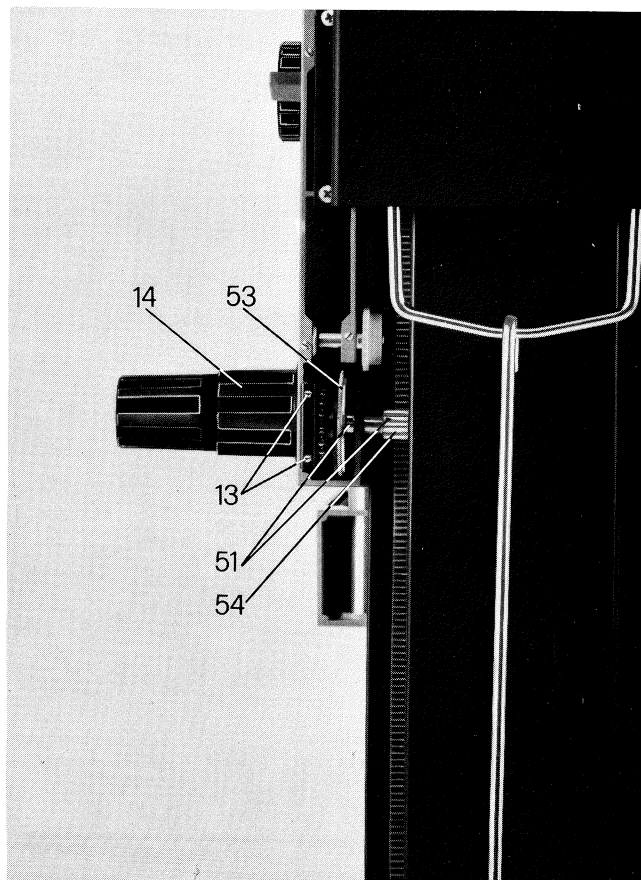
Adjusting the brake spring

1. Loosen the screws (1) and remove the covering hood (2).
2. Tighten the grub screws (13) till the brake works appropriately.
3. Fit the covering hood (2) again.



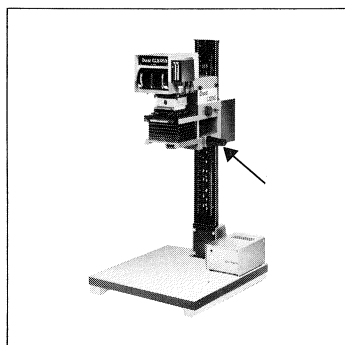
Replacing the rubber coupling and the driving pinion

1. Move the enlarger head to its highest position.
2. Loosen the screws (1) and remove the covering hood (2).
3. Bump through the pins (51), push the shaft through and replace the rubber coupling (53) or the driving pinion (54), as necessary.

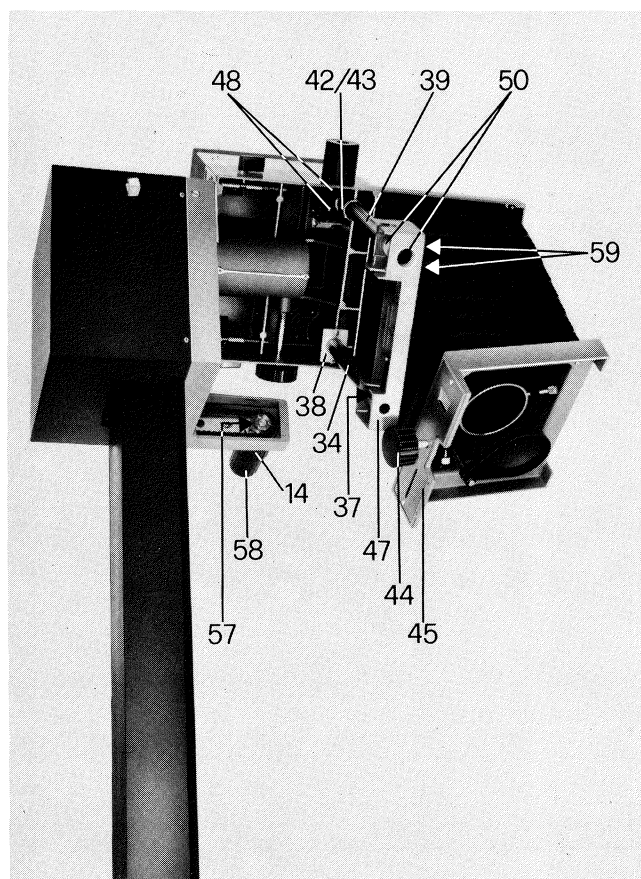
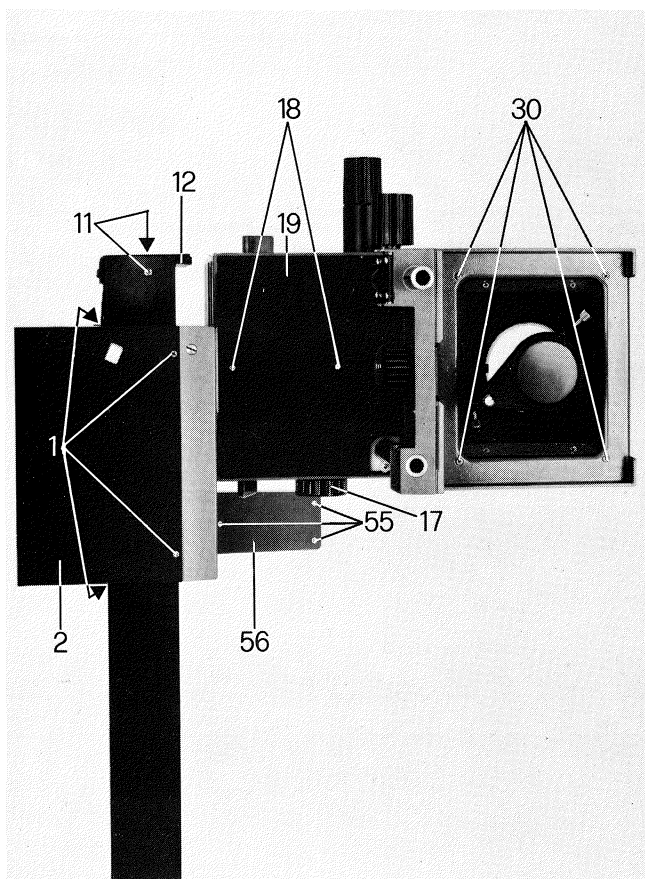


Replacing the locking knob

1. Raise the enlarger head to its highest position.
2. Remove the negative carrier, the light box as well as the condenser and the lighting hood.
3. Loosen the screws (55) and remove the cover plate (56).
4. Loosen the screws (1) and remove the covering hood (2).
5. Bump through the notched pin (57) through, take off the knob (58) and replace the locking knob (14).



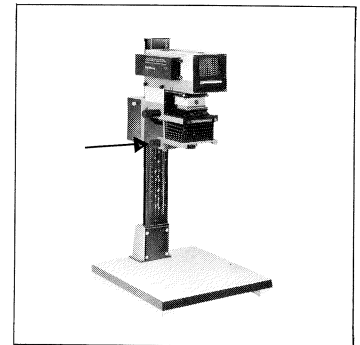
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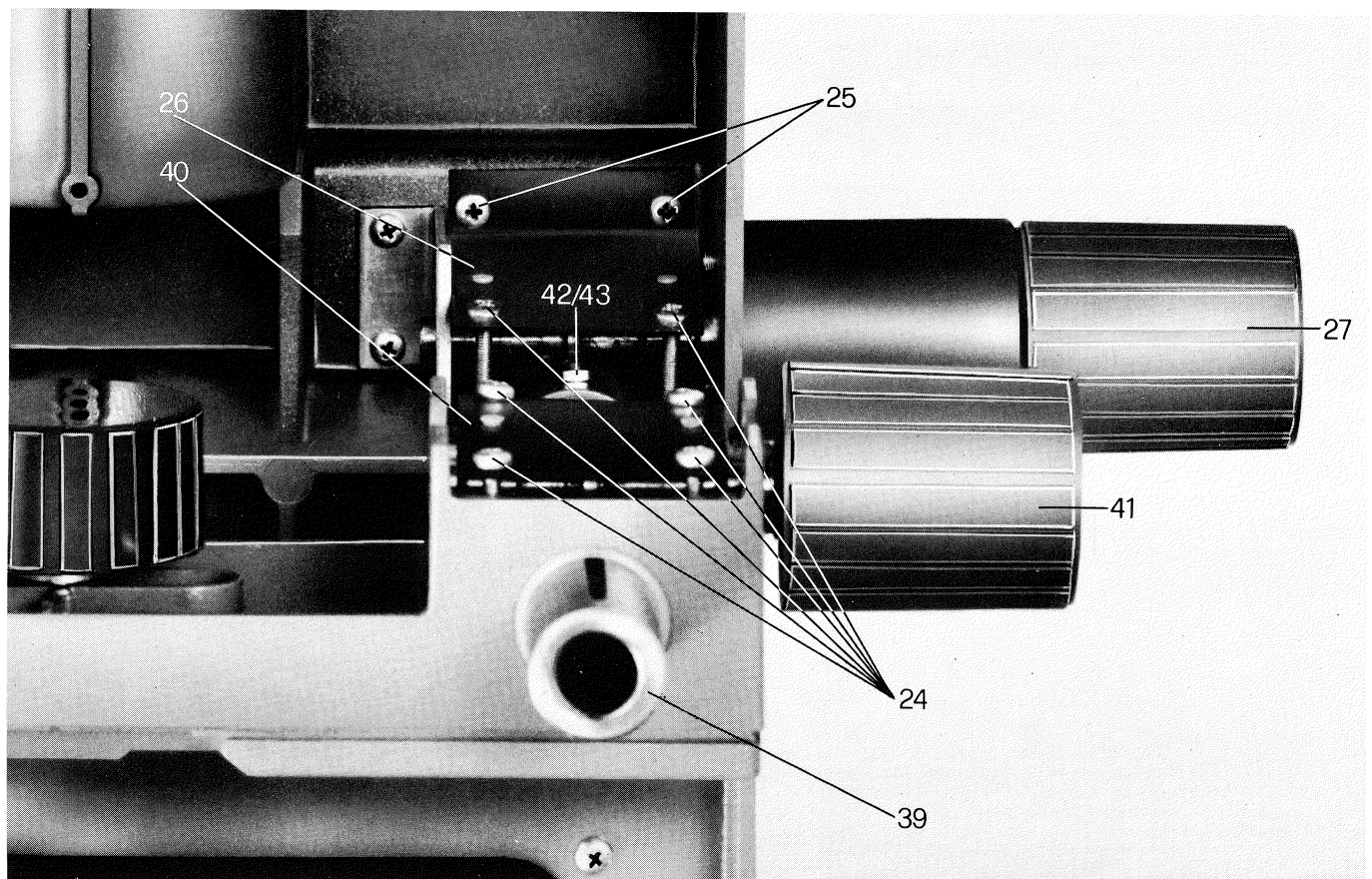
Replacing and tightening up the lens carrier-drive

1. Move the lens standard to its lowest position.
2. According to the spring concerned loosen the screws (24) and (25) and replace the defective friction spring (26) and/or (40) and/or the friction spindle (27) and (41).

Note! The friction springs (26) and (40) must be tensioned only till the hard-faced lens standard remains stopped in all desired positions. Excessive tension causes premature wear of the friction knobs, the friction spindles and the column groove.

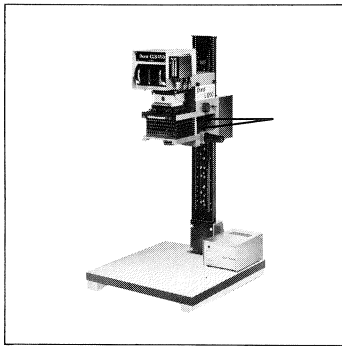


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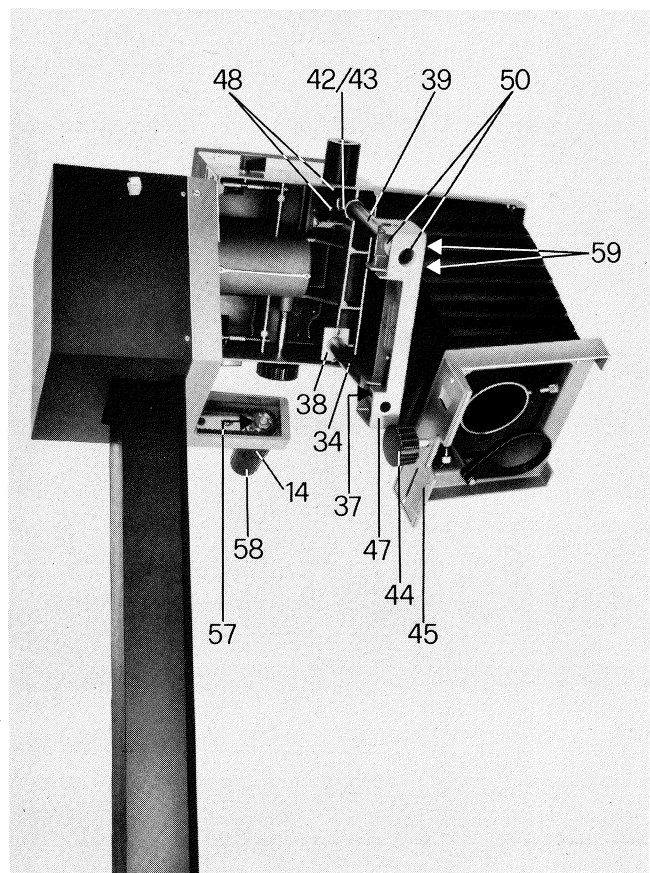
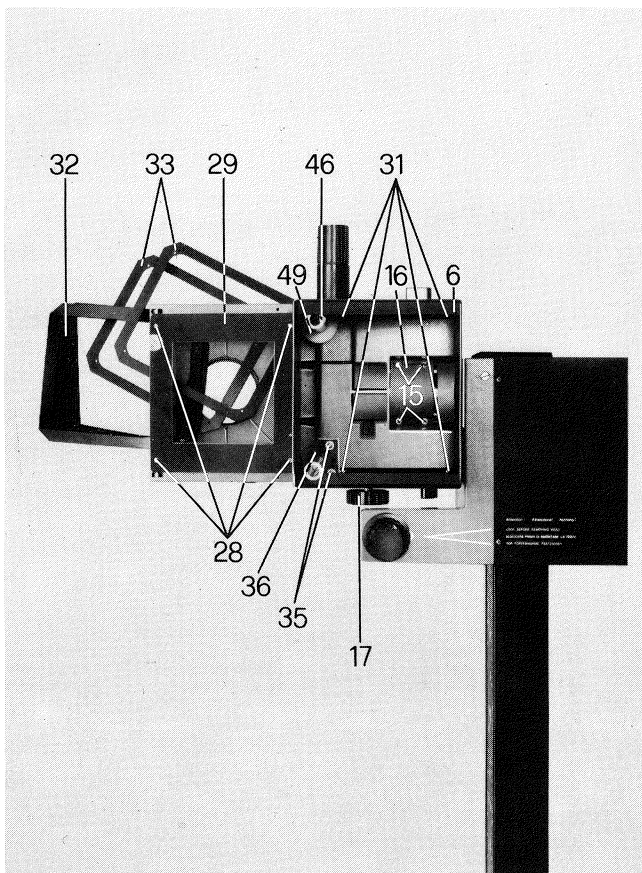


Replacing the column bushings - Right-hand lens column (34)

1. Move the enlarger head to its highest position.
2. Remove the negative carrier, the light box as well as the condenser and the lighting hood.
3. Loosen the screws (35), take off the upper guide bushing (36) and replace.
4. Loosen the grub screw (35) and remove the right-hand column (34) downwards. Then replace the bottom guide bushing (38) exactly like the upper one (36).



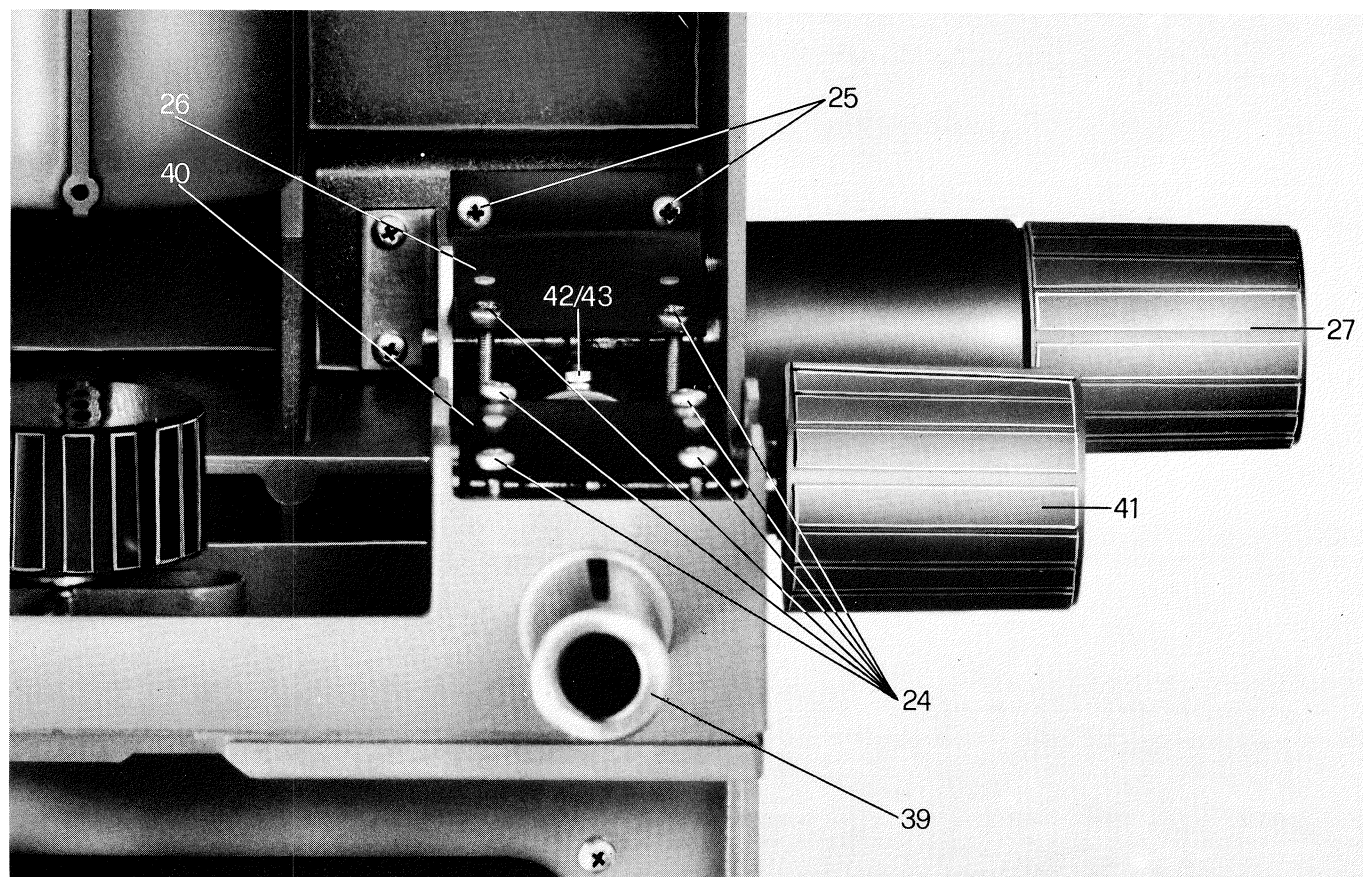
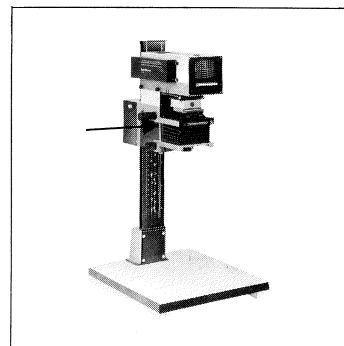
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Replacing the column bushings - Left-hand lens column (39) upside

1. Raise the enlarger head to its highest position.
2. Remove the negative carrier, the light box as well as the condenser and the lighting hood.
3. Move the lens standard to its lowest position.
4. Unscrew the friction spring (26) and remove the friction spindle (27).
5. Untighten the nut (42) and loosen the guide screw (43).
6. Screw out fully the fixing knob (44) to clear the lens standard (45).
7. Loosen the stop screw (46) and in the meantime remove downwards the lens carriage (47) together with the column.
8. Loosen the screws (31) and remove the frame (6).
9. After loosening the screws (48) remove the guide bushings (49) and replace.

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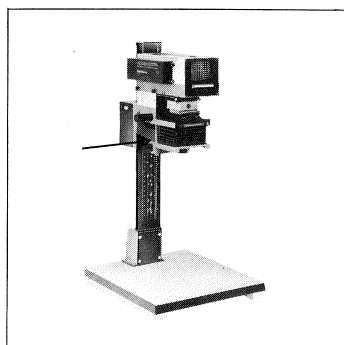


Replacing the column bushings - Left-hand lens column downside

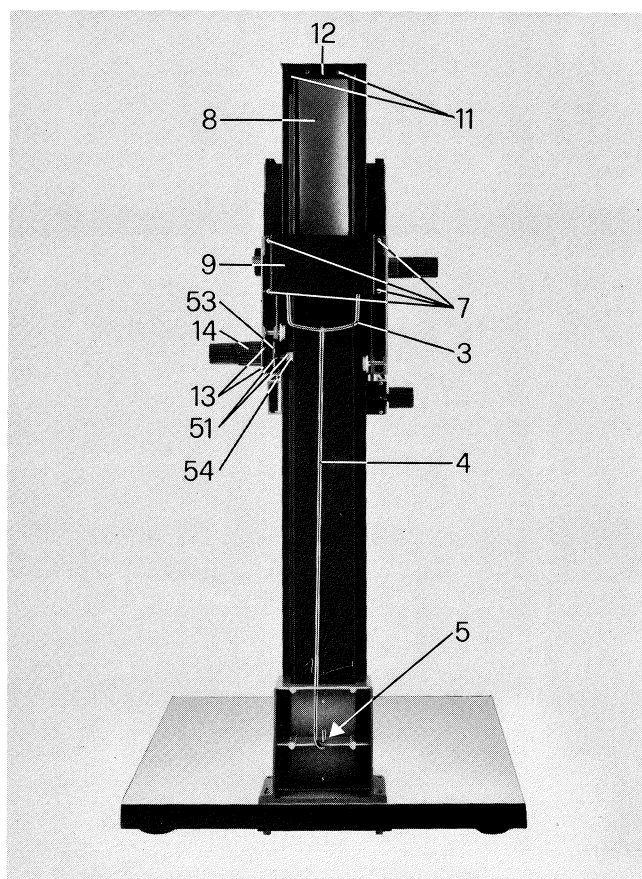
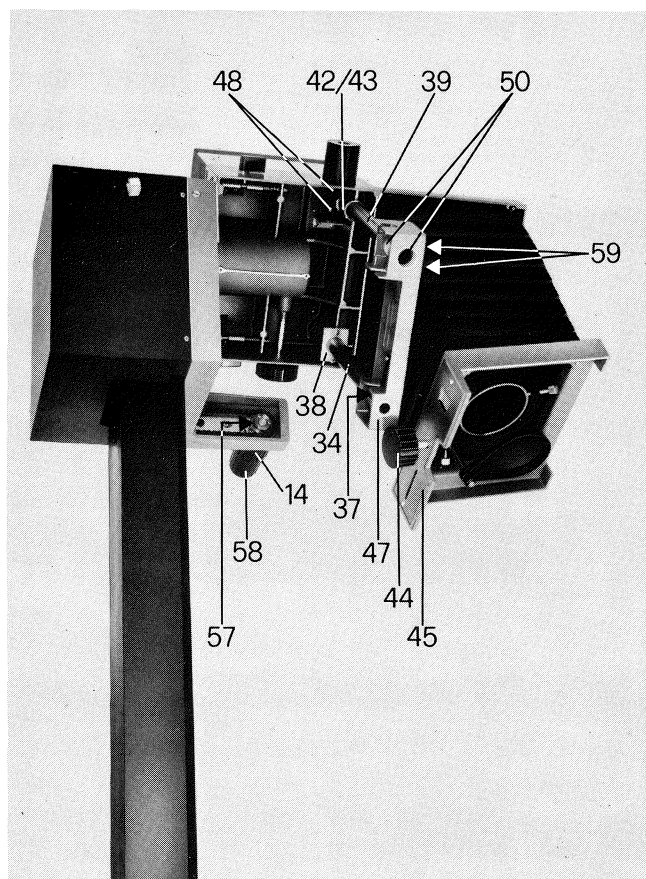
1. Move the lens standard to its lowest position.
2. Screw out fully the fixing knob (44) to clear the lens standard (45).
3. Unscrew the friction spring (40), remove the friction spindle (41) and at the same time take off the lens carriage (47) downwards together with the right-hand column.

4. After loosening the grub screws (59) push the bushings (50) through and replace.

Note! The friction springs (26) and (40) must be tensioned only till the hard-faced lens standard remains stopped in all desired positions. Excessive tensioning of the friction springs (26) and (40) causes premature wear of the friction knobs, the friction spindles and the column groove.

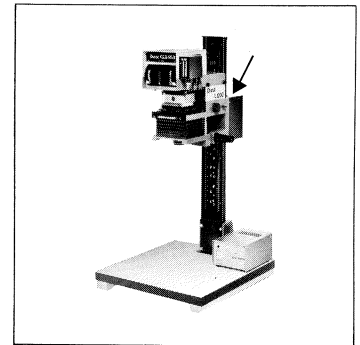


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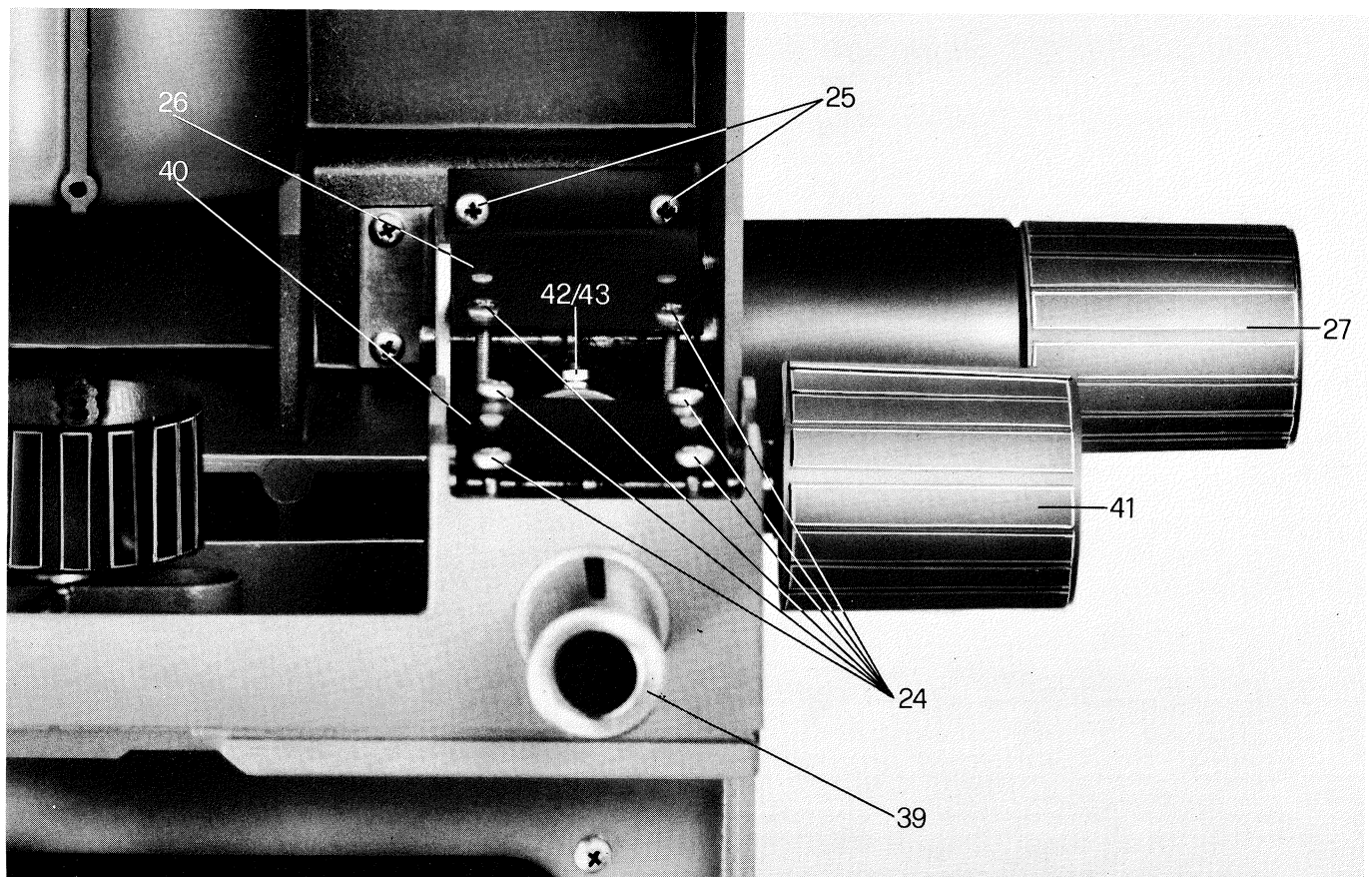


Replacing the rollers

1. Remove the counterweight spring (8) as directed in L 1200 — 2 servicing instructions.
2. Pull the enlarger head upwards and out of the column, remove the rollers and replace.

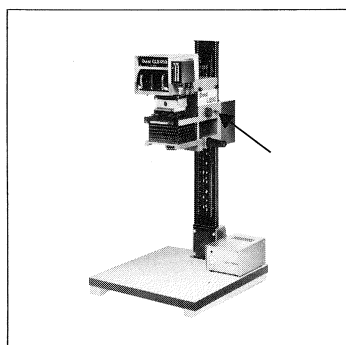


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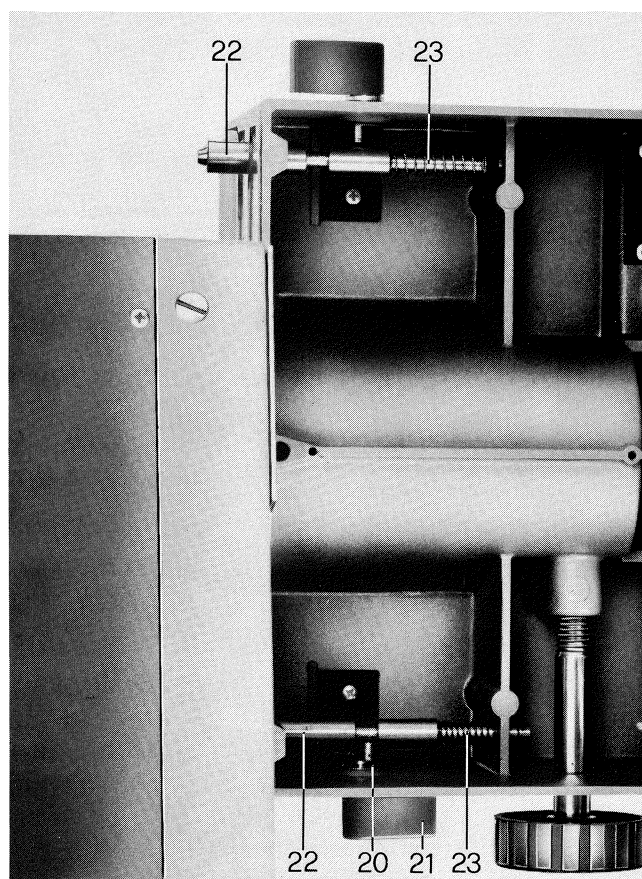
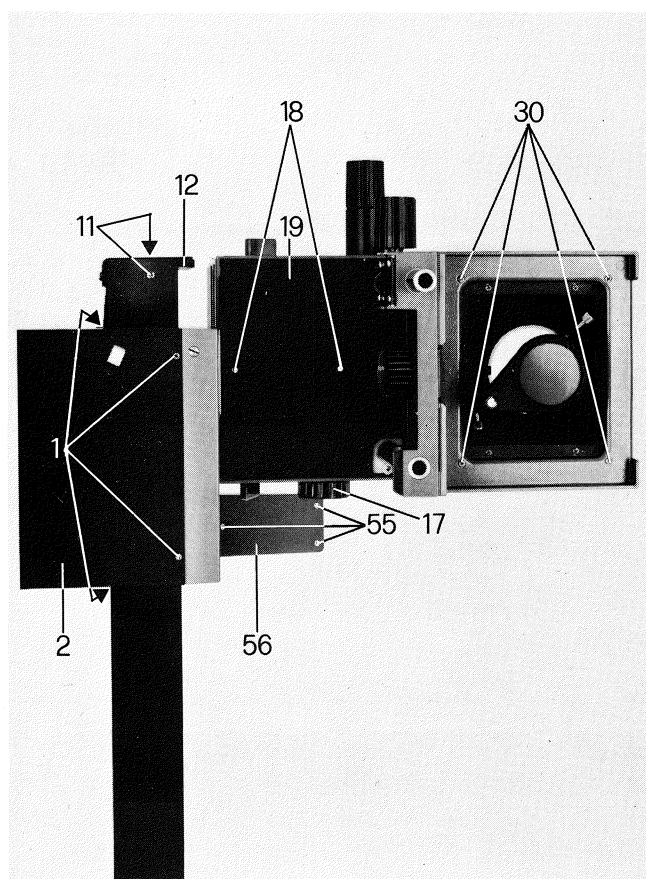


Replacing the click pins

1. Loosen the screws (18) and remove the bottom cover plate (19).
2. Tilt the enlarger head by 30° and lock with the fixing knob (17).
3. Lift off the safety ring (20) of the pin (22) to be replaced, pull the excenter knob (21) a little outwards and take out the locking pin (22) backwards.
4. Fit the spring (23) on the new pin (22) and reassemble in the reverse sequence.

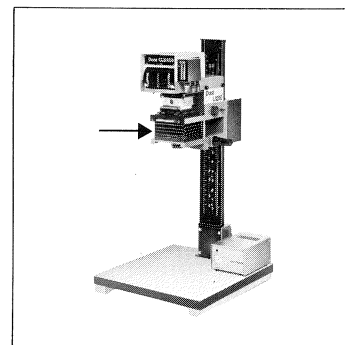


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Replacing the bellows

1. Raise the enlarger head to its highest position.
2. Remove the negative carrier, the light box as well as the condenser and the lighting hood.
3. Loosen the screws (28) and remove the negative carrier plate (29).
4. Loosen the screws (30) at the upper and bottom ends of the bellows, fold up the bellows (32) and remove.
5. Fit the bellows frames (33) on the new bellows (32) and secure the latter again.



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