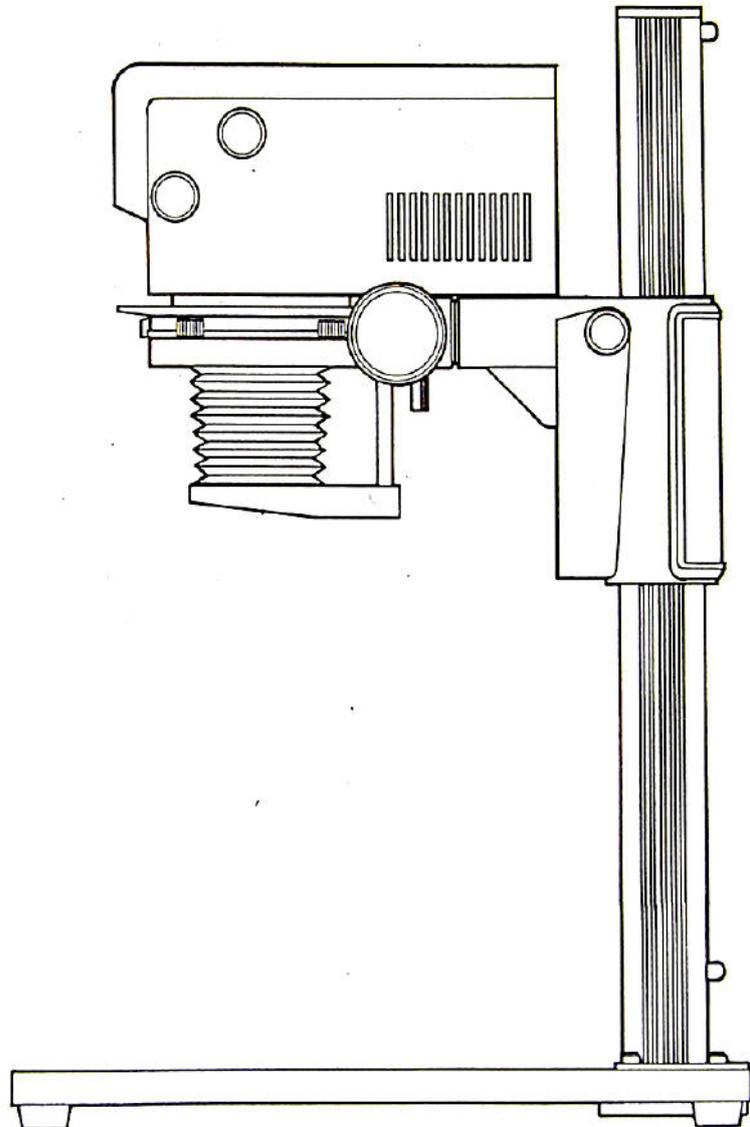




L3381

COLOR ENLARGER C6700

INSTRUCTION MANUAL



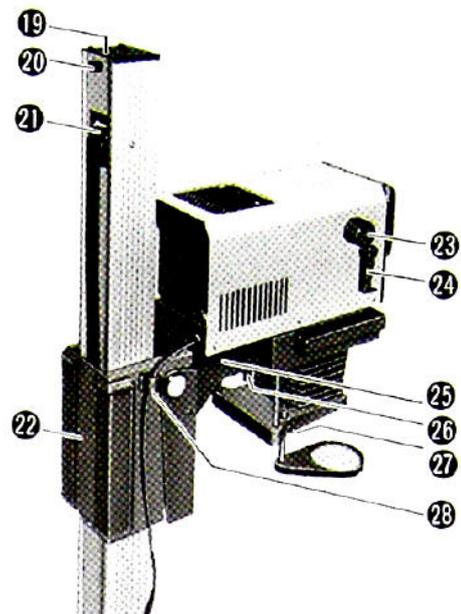
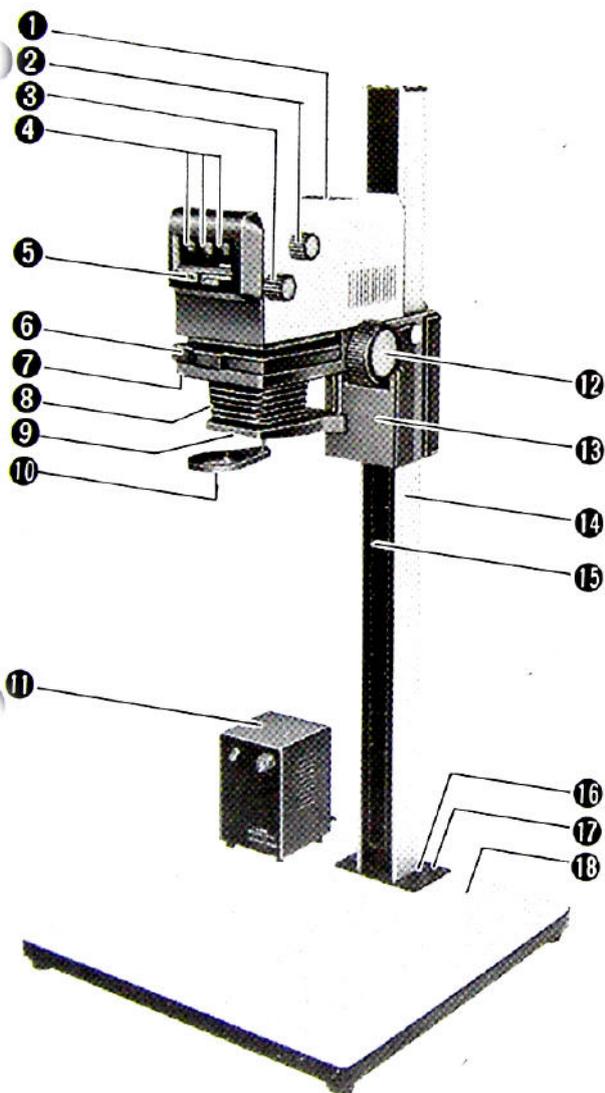
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SPECIFICATIONS

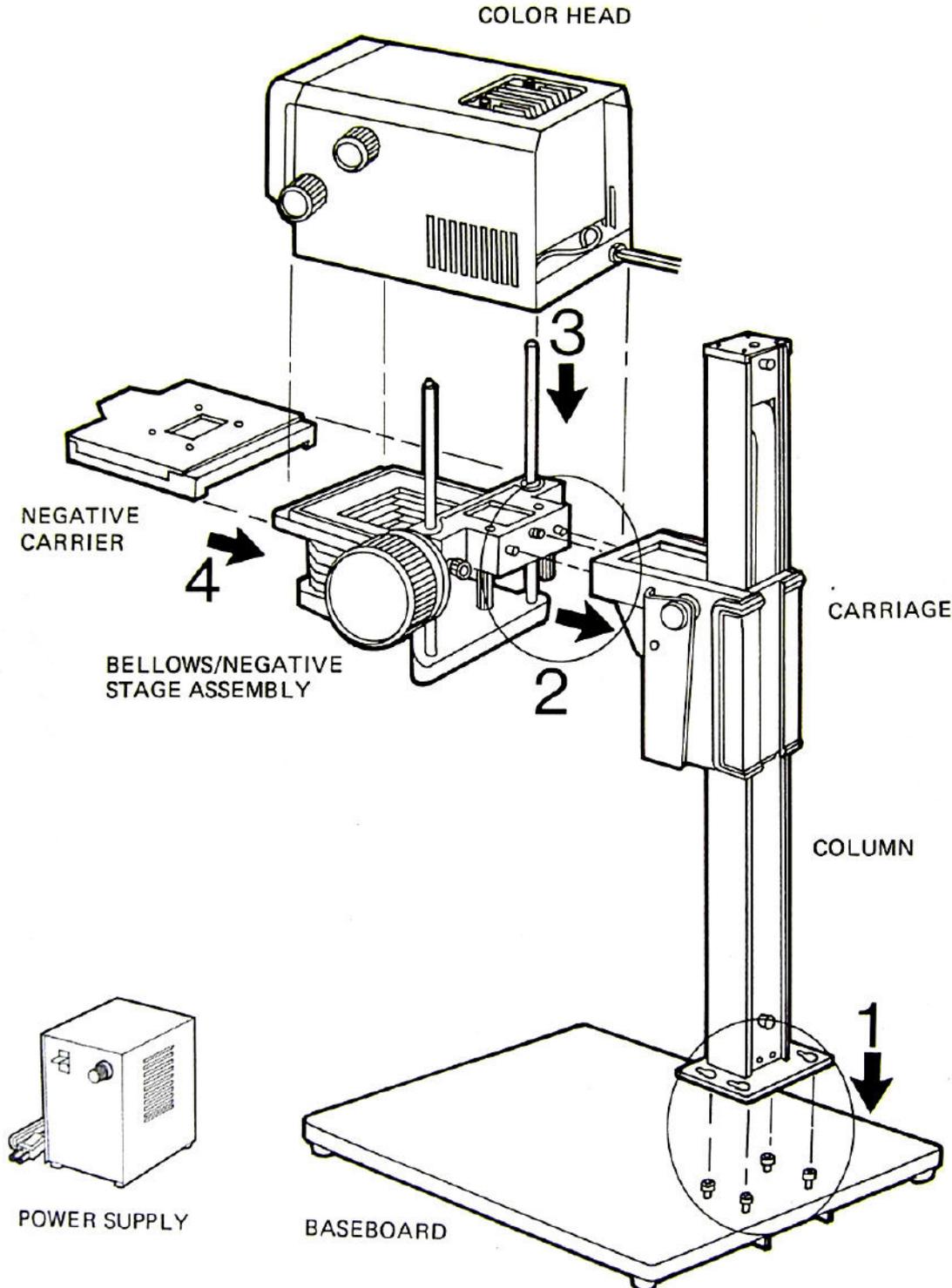
Format Size	: 6 x 7 cm and smaller
Light Source	: Qtz. Halogen Lamp w/cold mirror 12V/100W or 120V/150W
Illumination	: Diffusion system
Colour Filters	: Dichroic, Y.M.C. 0 - 170
Negative Carriers	: Universal (w/masking blades) or Single Size Common with LPL 7700 system
Lens Mount	: Leica threads (39 mm ϕ)
Elevation Control	: Spring Release w/counter balance spring
Focus Control	: Friction Roller. large size knob
Magnification	: 2-12x, 35mm format, 50mm lens
Baseboard	: 45 x 45 cm.
Overall Height	: 108 cm.
Weight	: 13 Kg.
Power Supply	: (Conventional Transformer 12V output)

DENOMINATION OF PARTS

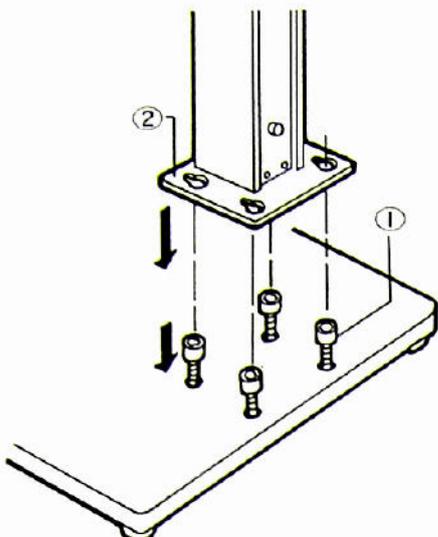


No.	NAMES OF PARTS
1	Lamp Chamber Cover
2	Filtration Control (Y)
3	Filtration Control (M)
4	Filter Scale Windows
5	Color Head
6	Negative Carrier
7	Negative Stage
8	Bellows
9	Lens Mount
10	Red-Filter
11	Power Supply
12	Focus Control
13	Elevation Control Lever
14	Column
15	Magnification Scale
16	Column Base-Plate
17	Column Base-Plate Bolts
18	Baseboard
19	Column Top
20	Top Carriage Margin
21	Counter-Balance Spring
22	Carriage (body)
23	Filtration Control (C)
24	White Light Focus Lever
25	Carriage
26	Head Setting Screws
27	Red-Filter Holder Screws
28	Power Cord Clip

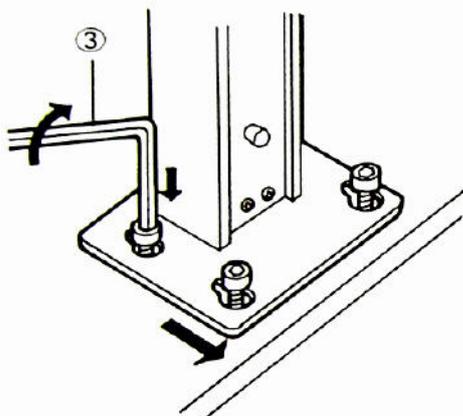
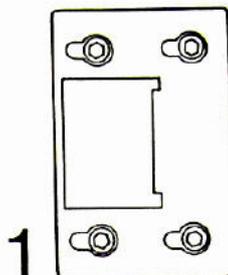
COMPOSITION



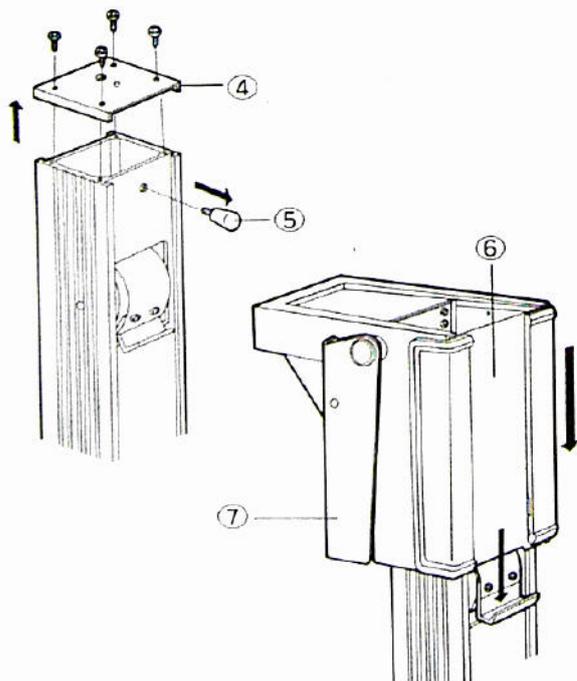
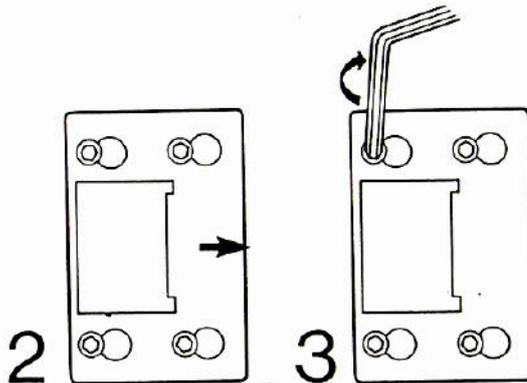
ASSEMBLY 1



1. Stand the column base-plate bolts (1) in the baseboard holes as shown, and place the column on the baseboard so that the bolts will come through the holes in the column base-plate (2).



2. Slide the column toward the edge of the baseboard as shown, adjusting the position of the bolt heads in the holes of the column base-plate. Tighten the bolts with "L" wrench (3) supplied with the enlarger.



3. Remove the column top (4) by removing the four screws in it. Then remove the top carriage margin (5) by unscrewing it.

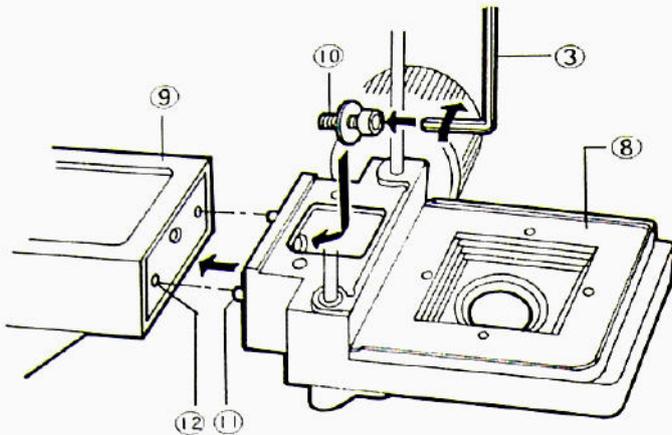
4. Hold the carriage (6) in one hand and slip it over the column as shown. Hook the tip of the counter-balance spring to the lower edge of the carriage as shown.

Note: When holding the carriage, do not press the elevation control lever (7).

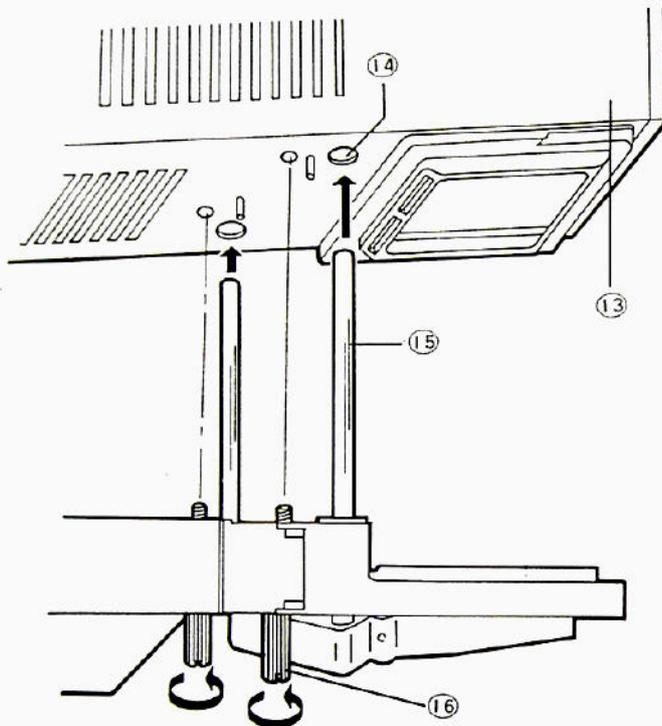
Slide the carriage down along the column. Press lightly the elevation control lever, when the carriage gets stuck.

5. Replace the top carriage margin and the column top.

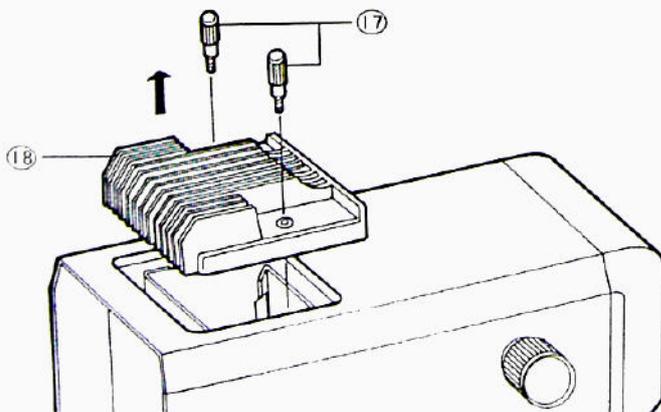
ASSEMBLY 2



6. Fix the bellows/negative stage assembly (8) to the carriage (9) with the clamping bolt (10), matching the positioning pins (11) of the assembly to the holes (12) in the carriage. Tighten the clamping screw firmly with the "L" wrench (3).

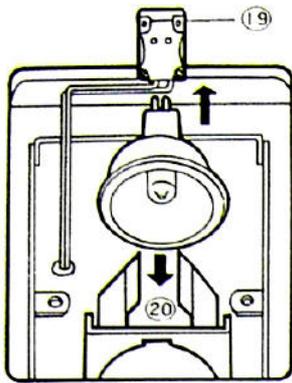


7. Mount the color head (13) on the bellows/negative stage assembly, so that the focus guide shafts (15) come through the holes (14) in the bottom of the color head.



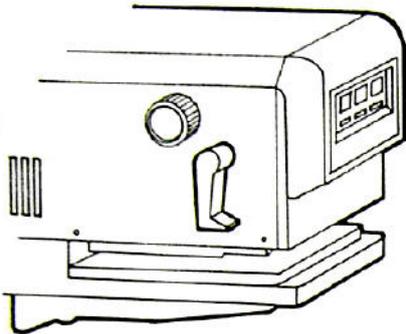
9. To install the enlarging lamp, loosen the pair of clamping screws (17) and remove the lamphouse cover (18).

ASSEMBLY 3



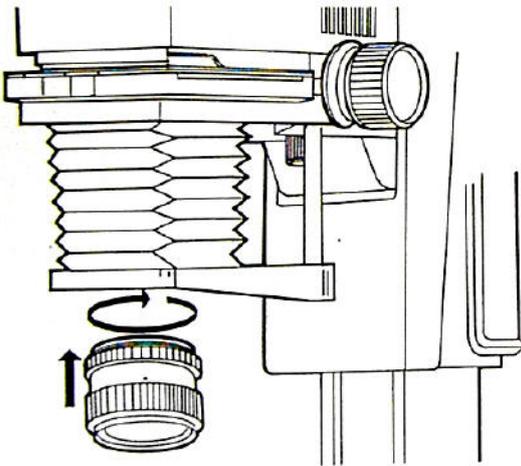
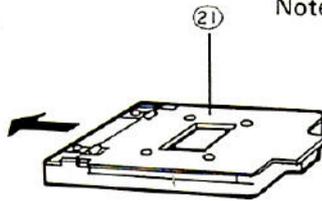
10. Take out the lamp socket (19) and put the enlarging lamp (qtz. halogen) in the socket. Insert the lamp firmly into the lamp holder (20).

To replace the lamp, same procedure will be followed. Make sure that the lamp has been cooled off.

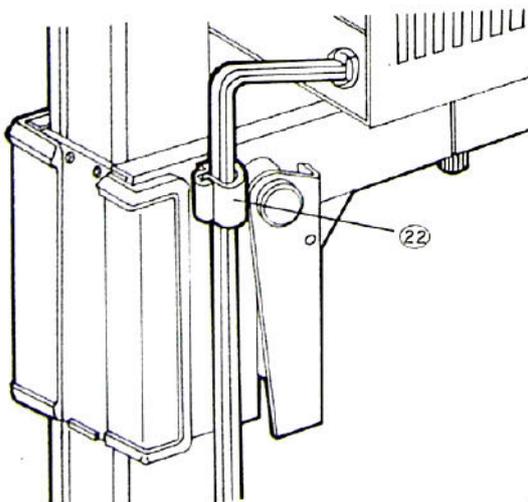


11. Insert the negative carrier (21).

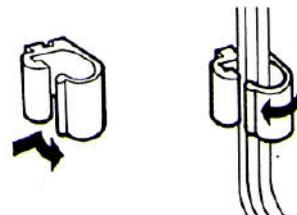
Note: LPL 7000 series negative carriers all fit this enlarger.



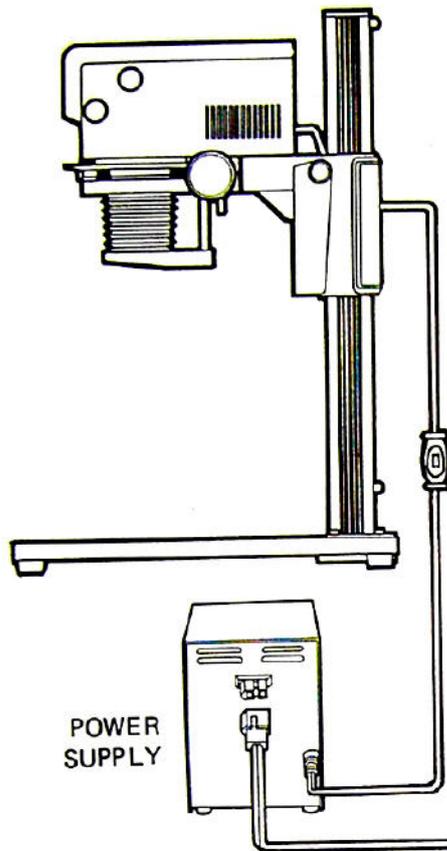
12. The enlarger has 39 mm. (Leica threads) mount. Install an appropriate enlarging lens (not provided with the enlarger.).



13. To complete assembly, place power cord from the head through the clip (22).



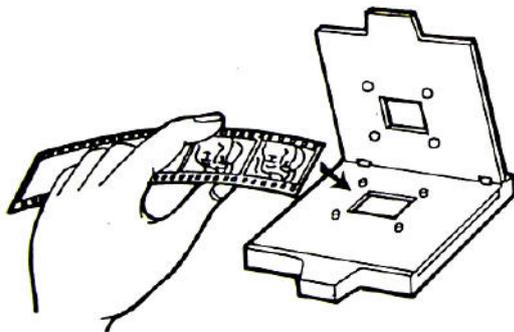
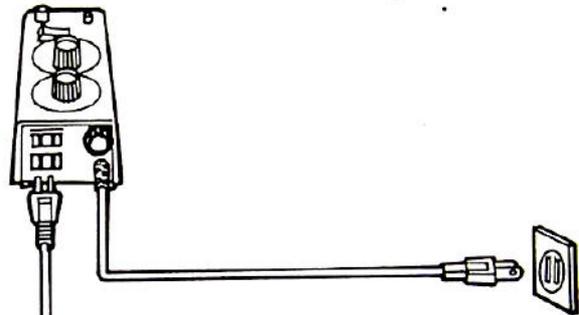
OPERATION 1



1. Connecting to an enlarging timer (not supplied with the enlarger):

Connect the enlarger to a timer (or foot switch) as shown.

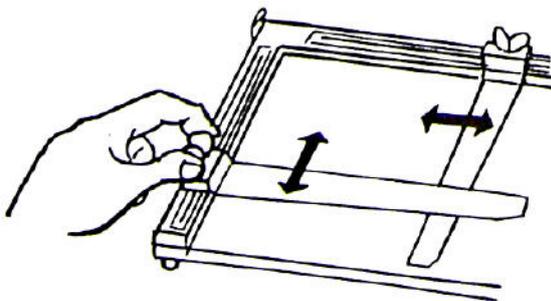
ENLARGING TIMER



2. Setting the negative in the negative carrier:

Put the negative in the carrier as shown, with the emulsion side down, top of the picture closer to you. Be sure that the negative is free from dust.

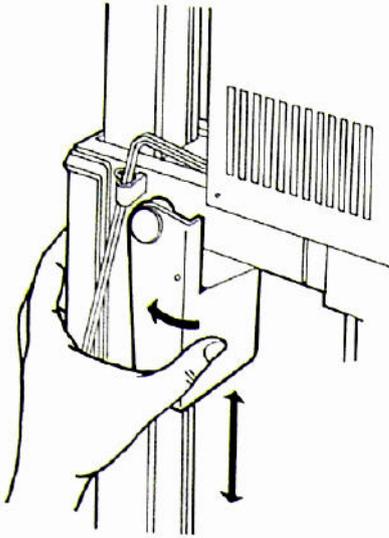
Set the negative carrier in the enlarger.



3. Setting the easel-mask (not supplied with enlarger):

Adjust the frame of the easel-mask to the size of the printing paper.

OPERATION 2

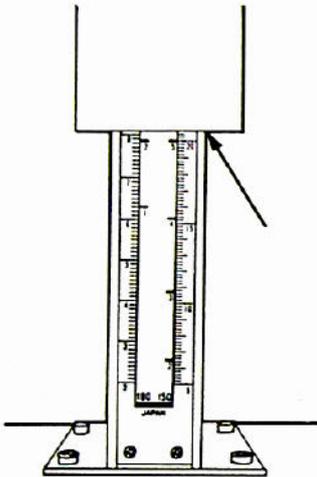


4. Composition and focus:

With the switch on, compose the picture and focus.

a. Elevation control:

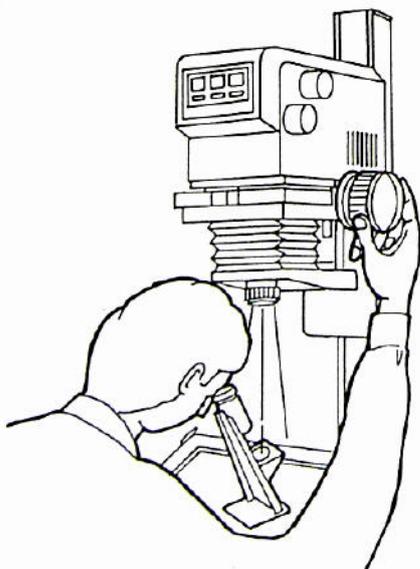
The over-sized push-to-release elevation control lever will be used as shown for smooth setting of desired magnification.



b. Magnification Scale on the column:

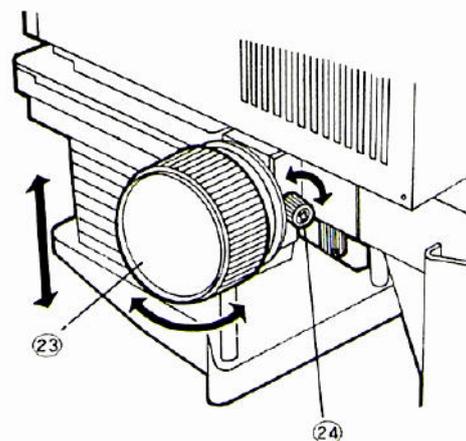
Figures inside the scale indicate magnifications using 50 mm (right) and 80 mm (left) lens.

Outside scales indicate distance from base-board in inch (left) and centimeter (right).

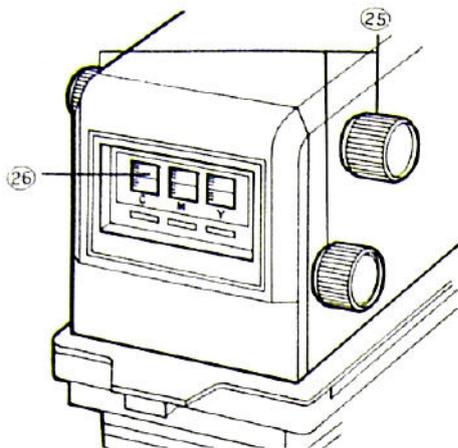


c. Focusing:

Use the focus control (23) as shown. It is provided with the touch control knurled screw (24).

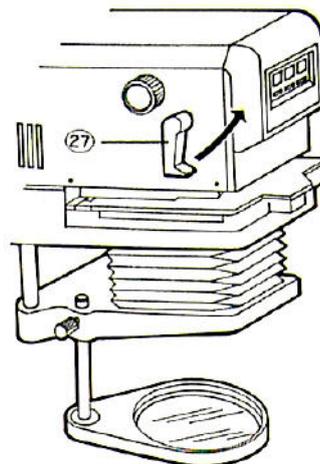


OPERATION 3



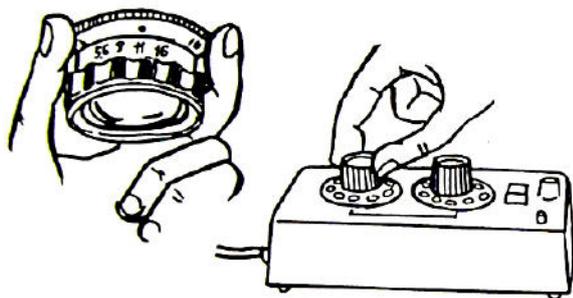
5. Color filtration control:

A set of dichroic filters, Y.M.C. (25) provides stepless control of filtration from c.c. 0 to 170. Filter scale windows (26) are illuminated from within when the lamp is switched on.



6. White Light Focus Lever:

The White light focus lever (27) is provided for brighter and non-colored image in focusing. It brings out of the light-path the set filters and put them back again into the light-path for printing without changing the set combination.



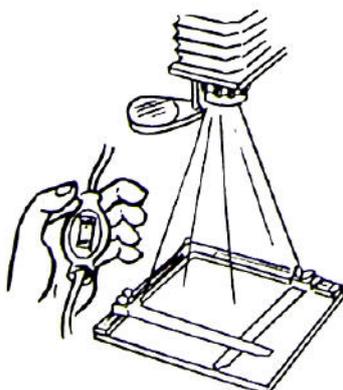
7. Setting F-stop, and exposure time:

Find an appropriate combination of F-stop and exposure time, by means of test-printing or using devices. Set the F-stop on the lens, and exposure time in the timer.

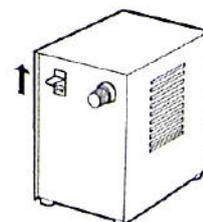
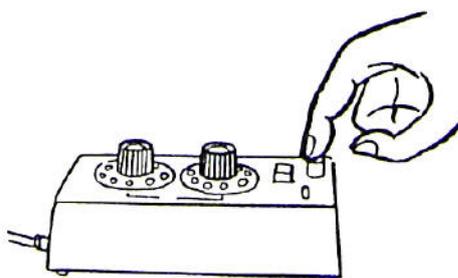


8. Setting the printing paper:

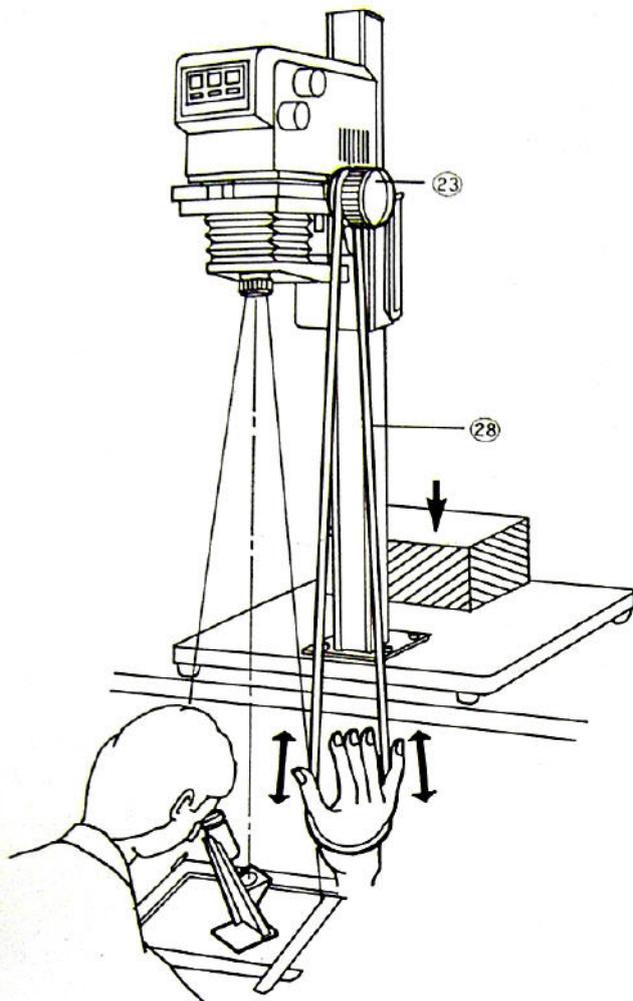
Place the paper in the easel mask, with emulsion (smooth) side up. Turn on the switch for exposure.



9. Turn on the switch and make exposure:



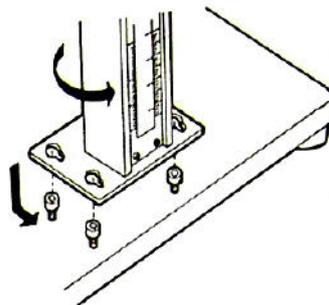
OPERATION 4



"Floor Projection" for extra-large blow-ups and the remote focus rope (option):

"Floor Projection" is possible with the enlarger for making an over-sized blow-up, off the baseboard.

To do it, the column (with the head) has to turn round 180° on the baseboard as shown. Proper counter-weight must be placed on the baseboard.

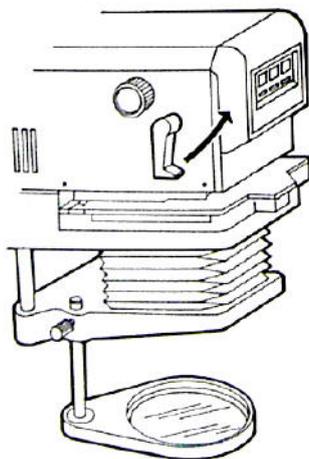


First loosen the column base-plate bolts, and get the column (with the head) separated from baseboard. Then turn round the column, and set it again on the baseboard.

Note: "Wall projection" is NOT possible with the enlarger.

Remote Focus Rope: (option)

For convenience in oversized blow-up, the remote focus rope is provide as an option. Put the rope (28) around the focus control (23) as shown. The rope will fit into the groove in the control. Adjustment may be recommended.



Printing black and white paper with the color enlarger:

For use with B/W prints, all color filters have to be retracted.

Set all filtration controls at zero, or use the white light focus lever.

A red filter is provide as an option.

Manufactured by **LPL CO., LTD.** TOKYO·JAPAN
