

english

eumi

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inside covers. These were blank.

english

eumig mark M

super 8

MADE IN AUSTRIA EUMIG AUSTRIAN 1:2.1/25 SUPER 8

Your EUMIG MARK-M SUPER 8

is supplied with a projection lamp and a pilot lamp.

You will find in the lid of the projector:

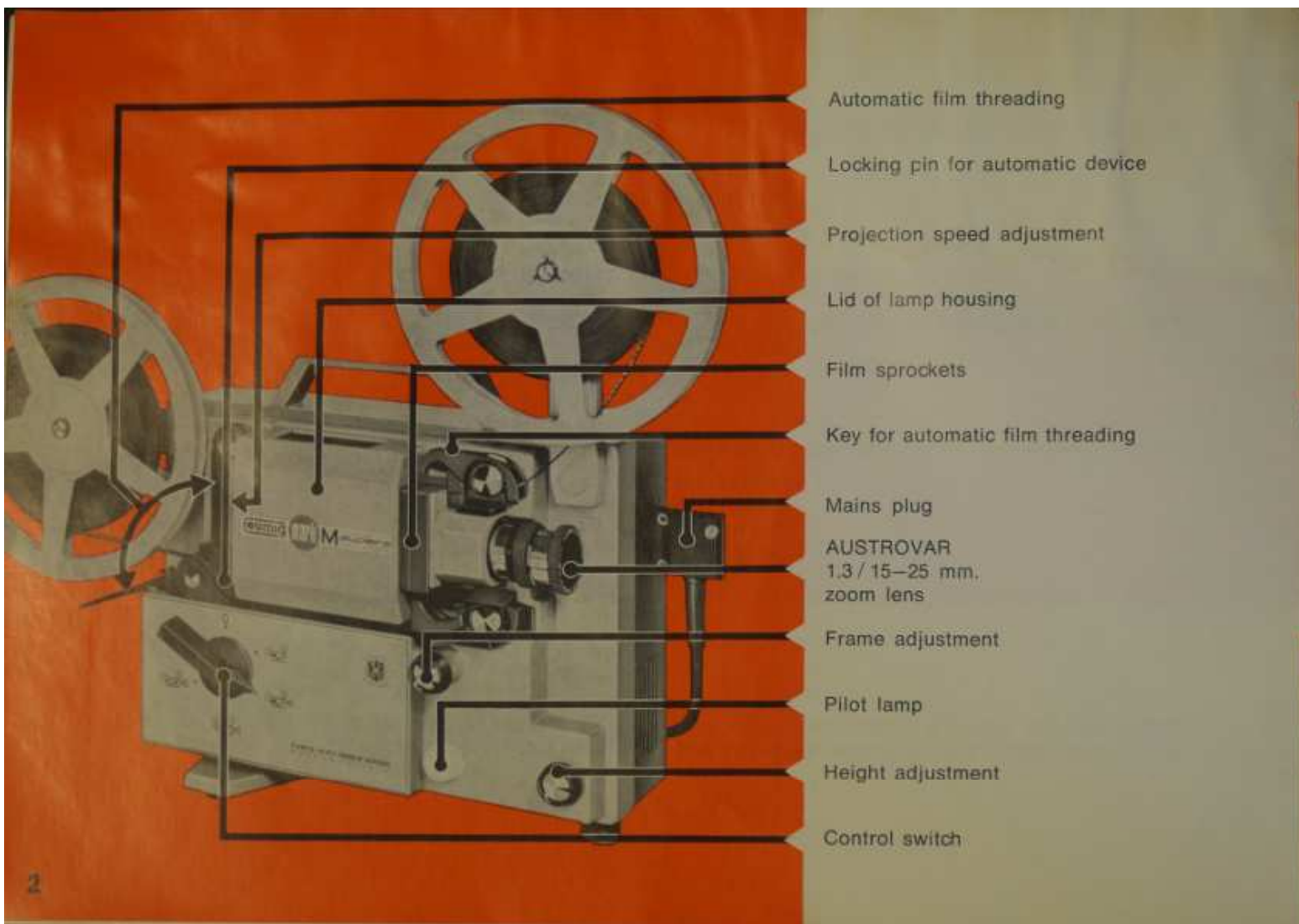
a screwdriver
and three spare fuses

Further accessories supplied with each EUMIG MARK-M SUPER 8 projector:

mains cable with plug
special take-up reel
instruction booklet
guarantee card

Please read the following pages. Knowing all the characteristics and advantages of your EUMIG MARK-M SUPER 8 will assure you the utmost in pleasure and benefit from it.

1



2

Special take-up reel

Front reel arm

Carrying handle

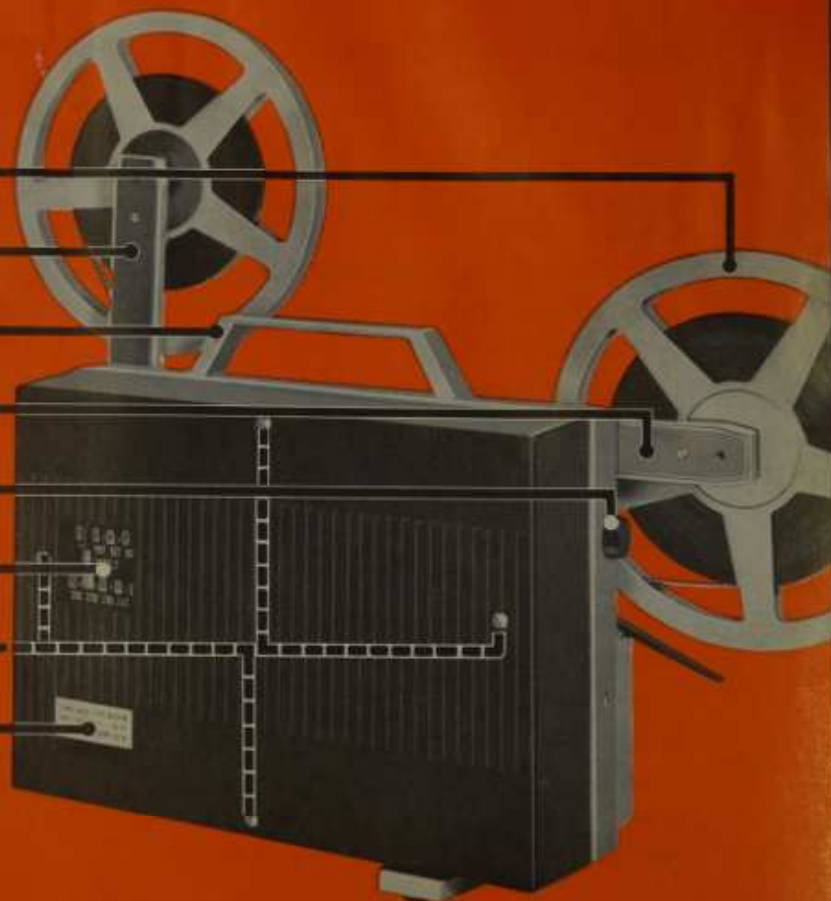
Rear reel arm

Still picture control

Voltage selector

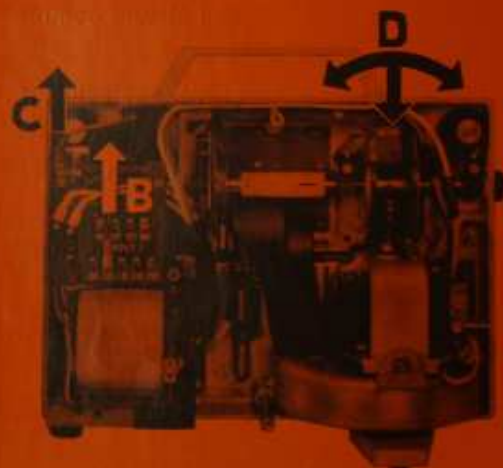
Fastening screws

Rating plate



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Before connecting your EUMIG MARK-M SUPER 8 to the mains

First check your mains supply for voltage and frequency. The EUMIG MARK-M SUPER 8 is designed for 110-250 volt A. C., and can be adjusted to either 50 or 60 cps.

The **voltage and frequency selectors** are usually set to the predominating voltage and frequency of the country to which the projector is supplied.

Should your electricity meter show a voltage different from that indicated on the voltage selector, an adjustment must be made. We cannot accept responsibility for damage incurred, if the wrong voltage has been set.

(Whenever possible, the voltage selector should be set to actual mains voltage. Excessive voltage will shorten the life of the projection lamp.)

Setting to a different voltage (only after having pulled out the mains plug)

1. Undo the four screws **A** (see top illustration)
2. Remove the back of the projector
3. Pull out the red voltage plug **B** (lower illustration) in an upward direction and insert the plug in the appropriate socket
4. Replace the back

Frequency adjustment (50 or 60 cps) (only after having pulled out the mains plug)

1. Pull out the blue plug **C** in an upward direction and insert in the appropriate socket
2. Adapt the projection speed to the changed frequency by sliding lever **D** until the correct frequency number lines up horizontally.

Projecting with the EUMIG MARK-M SUPER 8

Connect the projector to the mains (the pilot lamp lights up).

Erect both reel arms.



Glue a rather long and strong piece of leader to the beginning of the film.

Trim the film beginning to the straight edge

(The cut must pass through a perforation hole as shown on the illustration below. For correct function of the film threading automatic, the film must neither be bent nor edged.)



Place the full reel on the front arm (The film perforation should be facing you). Fasten the special take up spool, supplied with the projector, firmly to the rear spool arm, so that the meter marks are facing you.

Wrongly spooled films (contrary to the illustration must be spooled correctly by winding up twice).



Turn the control switch to "projection without lamp". 

Check that the sprockets, before and after the gate, are properly closed (direction of arrow).

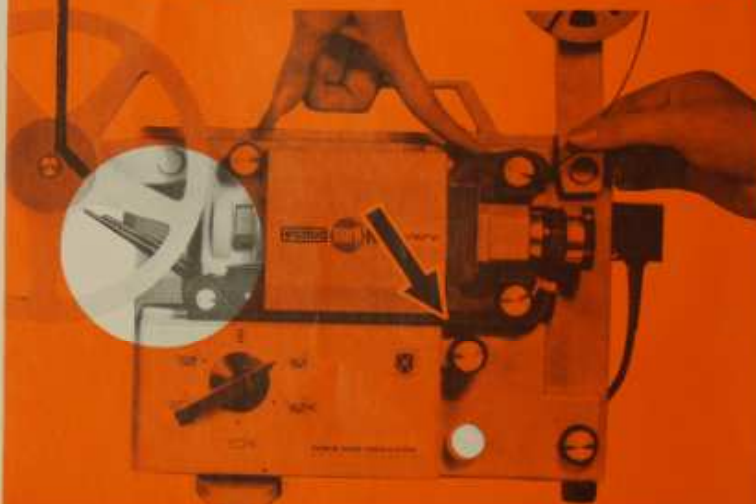
If the projector is very cold before projection commences, it should be allowed to warm up for a few minutes before insertig the film, by switching to "projection with lamp".


First vigorously press down the key for automatic film threading as far as it will go.

(The film guide arms should now be in the oblique position.)

Allow the film to engage in the top sprocket.

Only release the automatic threading key after the film beginning has threaded into the channel below the lamp housing.



Turn the control switch to "projection with lamp". 

The pilot lamp will now be extinguished and projection begins.



Adjusting image size and sharpness

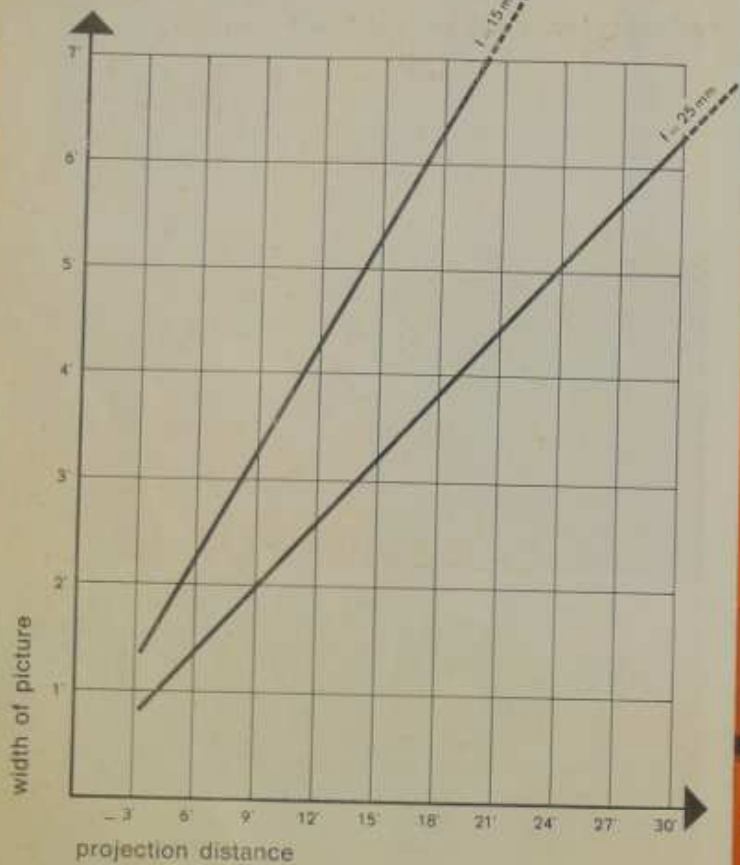


AUSTROVAR
SUPER 8
1.3 / 15-25 mm.

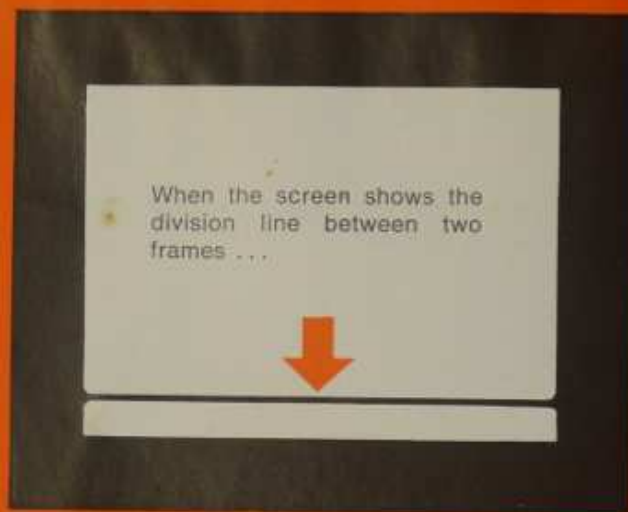
Sharpness

Image size

The diagram overleaf shows the correct relationship between projection distance, focal length and width of screen image.



Frame adjustment



When the screen shows the division line between two frames ...



... just turn the adjustment knob until the image is correctly framed.



Height adjustment

1. Raise the projector by tilting the front part of the carrying handle until the desired angle has been reached.
2. Turn the height adjustment knob to the left. (The foot will then slide out.)
3. Fasten the foot by turning the knob to the right.



Still picture projection

If you want to view a single frame, turn the control switch to "still picture" (ev. adjust frame).

A heat filter now protects your valuable film. (The image will be slightly less brilliant.)

Should the shutter just cover the gate, turn knob A until the image is visible. Turning this knob with the fingers means that frame will follow frame on the screen as still pictures.



Reverse projection

Turn the control switch to "reverse projection with lamp".

This reverses the action of the film.

It is some-times necessary to **re-adjust the framing**.



Automatic loop control

Poor splices or badly damaged film perforations can cause a shortening of the loops before and after the film gate.

This will become noticeable immediately as the film running noise will be much louder.

Correcting the loop during normal or reverse projection

First lift locking pin **A** and only then press down the key for automatic threading.

This will restore the loop to its normal length.



Rewinding


When the entire film has run through, attach the end of the film direct from the special take-up reel to the feed reel.

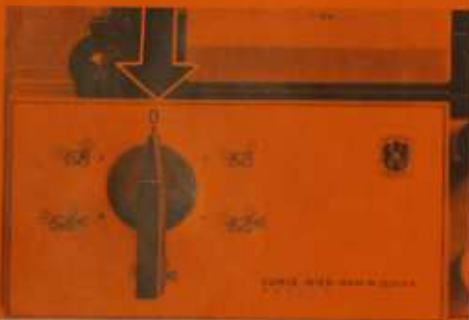
Turn the control switch to "rewind", 

Your film will now be quickly rewound.



After projection has ended

- 1 Turn the control switch to "0". 



- 2 Pull out the mains plug.



- 3 Return the two reel arms to a perpendicular position.



- 4 Remove the two reels and fold back the arms.



- 5 Replace the cover.



Removing a partly projected film

- 1 Pull out the film pressure plate (control switch at "0" and lens slightly pulled out).



- 2 Open the pressure rollers of the two sprockets.



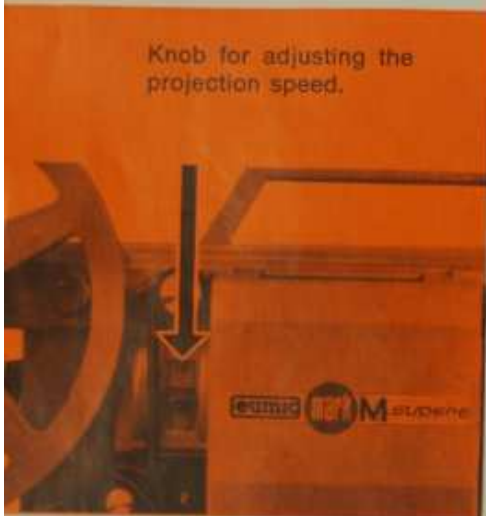
- 3 Carefully take out the film. (This is made easier by first removing the cover of the lamp housing see p. 17.)
- 4 Close the pressure rollers of the two sprockets.

You can now rewind the film as described on the previous page.

Adjusting the projection speed (Control switch always at "0"; projector idling)

If you want to project films which have not been taken at the normal speed of 18 frames per second, but of 24 frames per second (e. g. commercially available feature films or trick films), the projection speed should be adjusted.

Knob for adjusting the projection speed.



Knob down to furthest extent = adjustment for normal speed, 18 frames per second.



Knob up to furthest extent = adjustment for 24 frames per second.



Replacing the projection lamp / Quartz-halogene lamp 100 watt/12 volt.
(Former name: quartz-iodine lamp)

Lift off the cover of the lamp housing.

Turn down the protective plate and pull out the cooled-off projection lamp in an upward direction.

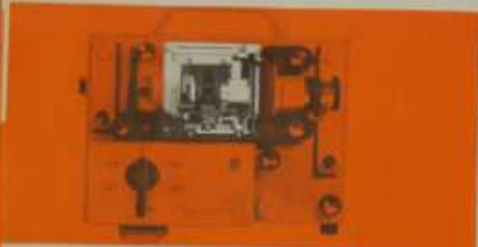
The new lamp is now inserted.




Never touch the projection lamp with bare fingers. Every finger-print will burn into the quartz lamp, thus diminishing the light output.

Should you inadvertently touch the lamp with bare fingers, **immediately** clean the lamp with a clean cloth moistened with alcohol.

Centring the projection lamp (With the lamp house cover lifted off.)



1. Direct the projector towards the screen
2. Turn the control switch to "projection with lamp" 
3. Focus the frame-line sharp



4. Slide the rear centring lever until any lateral darkening of the screen image has disappeared



5. Slide the front centring lever until uniform screen illumination is achieved

6. Replace the cover of the housing.

Replacing the pilot lamp (12 volt / 3 watt – bayonet socket)

Pull off plastic cap.



Press down lamp, turn to the left and take out.



Insert new pilot lamp by pressing down and turning to the right. Replace plastic cap.



Inserting a new fuse (only after having pulled out the mains plug)

A fuse protects the transformer from damage. It can be seen on the left-hand side after removing the back of the projector. Attention! The fuse does not protect the apparatus from heavy damage when connected to a wrong mains voltage.

Remove the burnt-out fuse.



Insert new fuse between the contact springs ...



... and press home.



Maintenance of the EUMIG MARK-M SUPER 8

All moving parts of the EUMIG MARK-M SUPER 8 are self-lubricating and do not require any maintenance

Clean the film transport mechanism at regular intervals and remove any dust or film particles by using a soft cloth or a brush. Persistent grime can be removed with a wooden spatula. Never use metal objects! The film pressure plate can also be removed, making accessible the film guide underneath the lamp housing.

The lens can be completely pulled out of the lens carrier for cleaning, and a soft cloth or brush should be used. The film gate is now also accessible for cleaning through the lens carrier, and again, a soft brush should be used. Be careful not to bend the shutter.

Keep your films clean!

Occasional cleaning of the film and dust-free storage are essential for a good screen quality.

We wish you many hours of pleasure
with your

eumig **mark** **M**

SUPER 8