

User Manual for the Kodak Brownie 8mm Cine Projector 15-G



Brownie 8

movie projector

Model A15

connection to the electricity supply

The projector must be connected only to a 50-cycle a.c. electricity supply in the range 200-250 volts.

Before use the projector must be adjusted to suit the voltage of the electricity supply in your area. Owing to variations in the electrical fittings in use today no plug is supplied for the mains lead of the projector; fitting a suitable plug and adjusting the equipment to the voltage range in your district is therefore necessary.

To do this, first open the projector by removing the two screws at the top and separating the halves by pulling them apart at the top. The interior is shown in Fig. 1. A resistor is shown with a range of voltage tapings from 200 to 250 volts marked in 10 volt steps. Push the brass terminal at the end of the lead on to the tag appropriate to the mains voltage in your locality.

2

Close the projector, take the three-core mains lead from the compartment at the rear of the case, and fit a plug of suitable type. The projector takes not more than 2 amps; if a fused plug is used it should be fitted with a 2-amp fuse.

Connect the red-covered wire to the terminal marked "L" or "RED". Connect the black-covered wire to the terminal marked "N" or "BLACK". Connect the lead labelled EARTH to the terminal marked "E" or "GREEN" (the largest one). *Never connect the earth wire to a supply terminal.*

If in doubt, consult an electrician.

figure 1

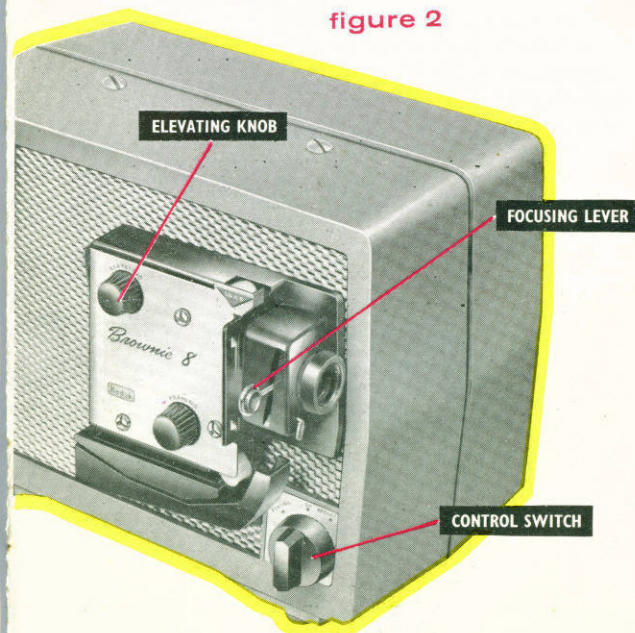


setting up

The room should be dark enough for a brilliant image to be seen on the screen; however, some light may be desirable, provided that it does not shine on the screen or into the eyes of the audience.

Proceed as follows:

1. Place the projector on a firm support of convenient height, at the distance to suit the screen size suggested in the following table.



2. Plug into the mains supply socket (a.c. only).
3. Start the motor and switch on the projector lamp by turning the CONTROL SWITCH to "PROJECT".
4. Centre the lighted area vertically on the screen by turning the ELEVATING KNOB; centre it horizontally by moving the projector *gently* sideways. Move the FOCUSING LEVER up or down until the margins of the lighted area on the screen are sharp.
5. Turn the control switch to "OFF".

RECOMMENDED PROJECTION DISTANCES AND SCREEN SIZES

Screen Size	Projection Distance
23" x 30"	11 feet.
30" x 40"	14½ feet.
36" x 48"	17½ feet.

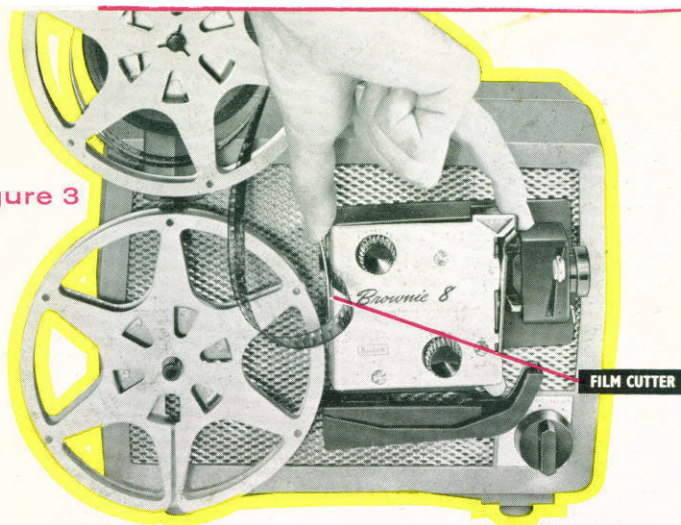
threading

The automatic threading and take-up mechanism works best when 'Kodak' White Movie Leader is spliced to the film. Films processed by Kodak are returned to you with white leader attached. If you have films with black leader, splice on at least one foot of white leader, available from your Kodak dealer.

Threading procedure is as follows:

1. Cut the end of the leader square by means of the FILM CUTTER. Place the end of the leader under the cutter and press the spring blade as shown in figure 3.
2. Swing the upper reel arm clockwise to the upright position. Place a reel of 8 mm film (200 foot maximum) on the upper spindle so that the film draws from the top with the perforated edge towards you. Be sure that the reel is held on by the raised lip

figure 3



at the tip of the spindle, and that the leader has a slight but not excessive curl tending to wrap itself on the spool.

*3. Fit an empty reel to the lower spindle, making sure that the teeth of the plastic take-up clutch fitted to the core are on the edge nearer to you, on the outside.

4. Turn the CONTROL SWITCH to "PROJECT".

5. Feed the leader into the film channel in front of the snubber until the perforations are engaged by the claw mechanism. The film will now be transported by the automatic threading mechanism and will be guided on to the toothed core of the take-up reel, where it will attach itself for take-up.

***Alternative threading procedure:**

If you *have* to use black leader, follow points 1 and 2 then:

3. Feed leader into the film channel until it either appears at the

lower end of the channel or meets resistance after about $1\frac{1}{2}$ inches have entered.

4. Turn the CONTROL SWITCH to "PROJECT". If the mechanism fails to transport the film, switch off and re-insert the film.

NOTE: If the motor of your projector fails to run, check the lamp. The motor will not function if the lamp is faulty, or if it has been removed.

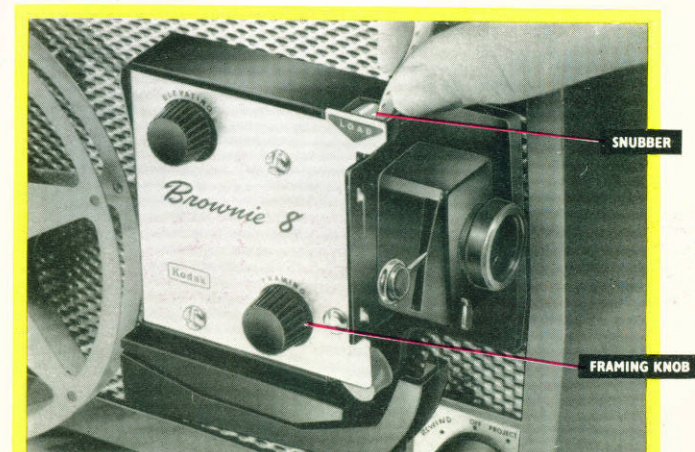
projection

1. With the projector running, move the FOCUSING LEVER up or down until the pictures on the screen are sharp and clear.

2. If a black strip or the edge of the next picture shows at the top or bottom of the screen image, turn the FRAMING KNOB until the picture is properly framed.

3. When you have finished projecting, turn the control switch to "OFF".

figure 4



operating hints

1. If there are torn perforations, they should be noted, the section containing the torn perforations cut out, and the film spliced.
2. If the picture on the screen is upside down and the action is backwards, the film has not been rewound.
3. If the film breaks, turn off the projector. After unthreading the projector, splice the film; then rewind the film to the upper reel (as described below) and re-thread the projector.
4. To avoid spilled film, do not turn the control switch to REWIND while the reels are set up for projection.

rewinding

To rewind the film, the reels must be interchanged on the spindles – the full reel of film must be put on the upper (supply) spindle and the empty reel on the lower (take-up) spindle as shown in Fig. 5. Attach the film to the lower reel and turn the control switch to “REWIND”. After the film is completely rewound, turn the control switch to “OFF”. Remember that the empty reel now on the top spindle is the special “automatic take-up” type; retain it for that purpose.

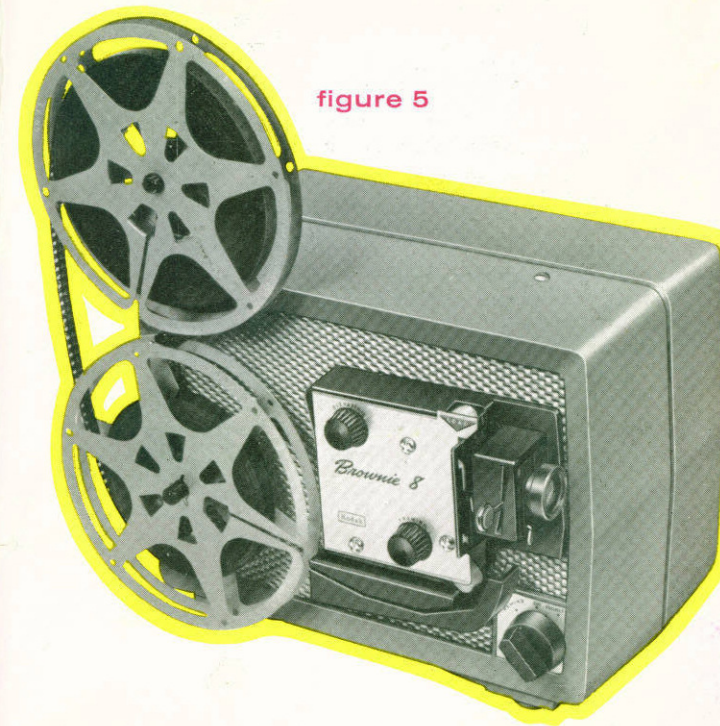


figure 5

after the show

1. Remove the reels from the spindles. Swing the upper reel arm counter-clockwise to the “down” position.
2. Disconnect the mains lead, coil it, and return it to the back compartment.

care of the projector

NOTE: Make sure that the mains lead is disconnected from the electricity supply before opening the projector and during any adjustments to the interior.

LAMP REPLACEMENT: The reflector is built into the projection lamp by the lamp manufacturer. The lamp is a Sylvania 'Trulector' D.F.C. type, for use on 115-120 volt supply. It is rated at 150 watts. If a lamp should burn out during projection, be sure to wait until it is cool before touching it.

Remove the two screws at the top of the case, open the projector, and remove the lamp by gripping it firmly and drawing it straight up. To install the lamp, first orientate it so that the concave reflecting surface of the round reflector in the centre of the lamp is toward the lenses. Place the centre post of the lamp in the centre hole of the socket, rotate the lamp slightly until the key on the centre post locates in its socket slot; then press the lamp down all the way. Now close the projector and replace the screws.

cleaning film gate and aperture

If it is necessary to remove the film gate for cleaning, raise the focusing lever as far as it will go. Then release the spring tension

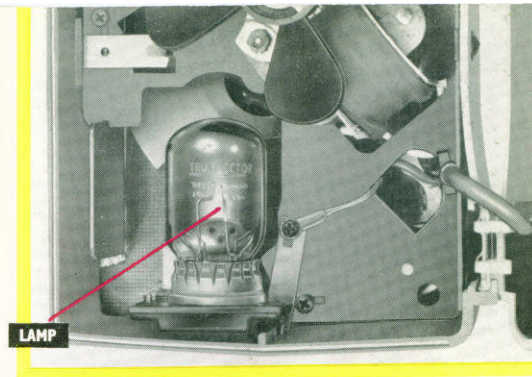
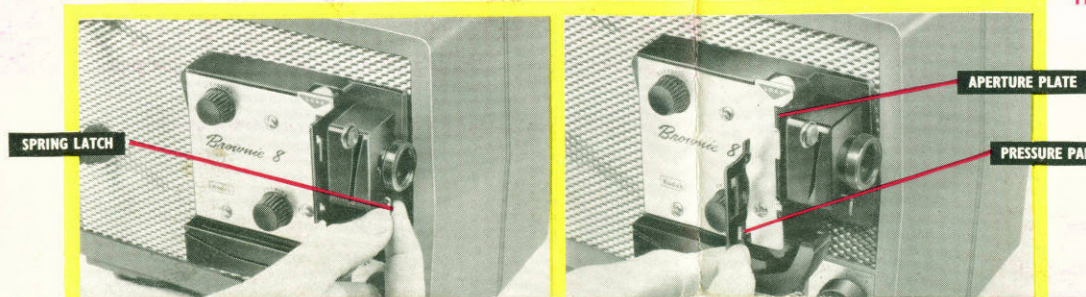


figure 6

against the gate by pulling the **SPRING LATCH** forward and pushing it toward the back panel until it locks in the forward position. Move the **PRESSURE PAD** toward the lens, disengage it from the studs on the **APERTURE PLATE**, and carefully lift it out. With a soft, damp, lintless cloth, clean the pressure pad and film track. Remove any particles in the aperture. Often, blowing lightly will remove these particles.

Replace the pressure pad, engaging the studs on the aperture plate in the holes in the pad, and release the spring latch.



figures 7 and 8

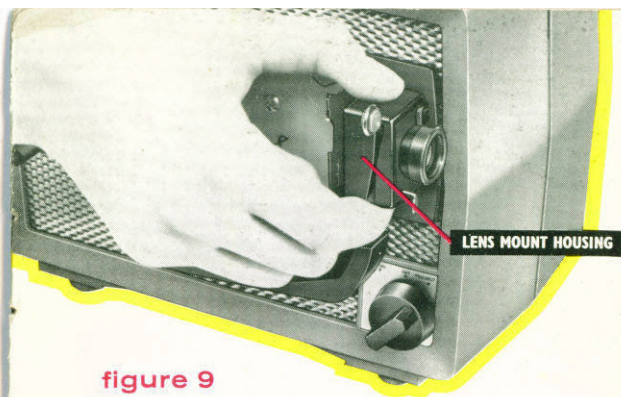


figure 9

cleaning the projection lens

If it is necessary to remove the projection lens for cleaning, raise the focusing lever as far as it will go. Release the spring tension against the gate by pulling the spring latch forward and pushing it toward the back panel until it locks in the forward position. Remove the pressure pad. Slide the LENS MOUNT HOUSING toward the film channel until it is free to be removed.

With a soft, clean, lintless cloth carefully wipe the front and rear surfaces of the lens. Do not use a wet cloth; if moisture is required, breathe on the lens or use a drop of 'Kodak' Lens Cleaner. Replace the projection lens by inserting the lens mount housing in the retaining grooves and sliding the mount toward the back panel and then forward as far as it will go. Replace the pressure pad. Release the spring latch to apply pressure against the film gate.

lubrication

All bearings are self-lubricating and require no oiling.

auxiliary equipment

200 foot 8 mm 'Kodak' Movie Reel and Can. Should be used together for safe storage of films.

Take-up reel clutches. To convert the take-up reel for automatic take-up. Simply fit a clutch to the core of a reel like a bicycle clip.

'Kodak' Movie Film Splicing Kit. An inexpensive kit for simple splicing of leaders, etc.

'Kodak' Presstape Movie Splicer. New easy-to-use dry splicer using a pressure sensitive adhesive tape to make splices.

Ask your Kodak dealer for further advice about these accessories, and for details of the range of 'Kodak' publications designed to help you to get more fun from photography.

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