



# Operating Guide for Eiki 16mm Projector

## SETTING UP

Open the latch on the front of the projector to remove the side cover. Raise both **REEL ARMS (2 & 13)** until they click. Make sure the **FUNCTION LEVER (16)** is in the STOP position, then connect the AC power cord into a standard wall outlet. (DO NOT REMOVE THE GROUND PLUG!) A green lamp located beneath the lens will light up. Before you thread the film, you can pre-focus and adjust the size of your picture by turning the function lever to the first forward lamp position. Move the projector back from the screen to enlarge the picture and closer to the screen to make the picture smaller. Raise and lower the picture by using the black **ELEVATING KNOB (12)** on the front of the projector. When the picture is correctly sized and positioned, adjust the **FOCUS (5)** knob until the edge of the light is sharp. Turn the **FUNCTION LEVER (16)** to stop. Place the film to be shown on the **SUPPLY REEL ARM (2)**. It should feed off in a clockwise direction; the leader of the film will usually be green. Place a take up reel on the other reel arm making sure its the same size or larger than the supply wheel.

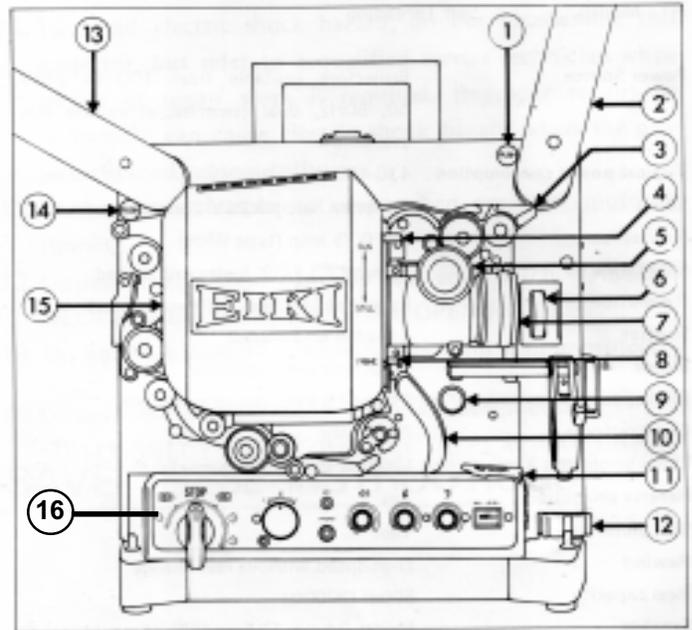
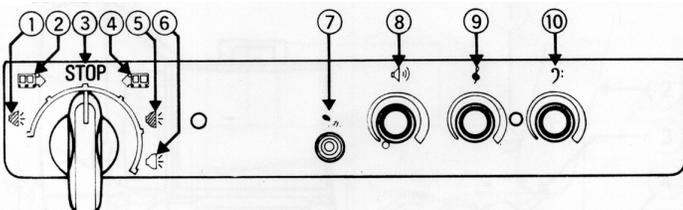
Lock down both reels by pushing down the small **ARM LOCK BUTTONS (1 & 14)** on the reel arms.

## THREADING

Insert the leader of the film into the **FILM TRIMMER (11)**. Press down firmly on the raised end to cut the film leader to the proper shape. Push the **SELF-THREADING CONTROL (10)** into the self-thread position, then turn the **FUNCTION LEVER (16)** clockwise to the first forward position. Insert the lead end of the film into the film insert guide where the projector should pull the film in and thread it automatically. When enough film has come off the last roller to attach it to the take up reel, turn the **FUNCTION LEVER (16)** off.

Gently tug the end of the film against the last roller to restore the self-threading mechanism to its normal operating position.

You can also thread the film manually using the diagram on the reverse side of this operating guide.



## PARTS OF THE PROJECTOR

- |                         |                            |
|-------------------------|----------------------------|
| 1. Arm lock button      | 9. Light                   |
| 2. Supply reel arm      | 10. Self-threading control |
| 3. Rewind/operate lever | 11. Film trimmer           |
| 4. Still picture clutch | 12. Elevating knob         |
| 5. Focus knob           | 13. Take-up reel arm       |
| 6. Inching knob         | 14. Arm lock button        |
| 7. Lens                 | 15. Lamp housing           |
| 8. Framing lever        | 16. Function lever         |

## SHOWING THE FILM

When you've finished loading the film, turn the **FUNCTION LEVER** (see diagram below) clockwise to the first lamp position (the second lamp position is used only if you need a brighter image). Focus and frame using the controls near the lens as detailed under 'Setting Up.' Turn on the volume and adjust the treble and bass (9 & 10 on Function Lever Panel diagram) for tone. An external speaker may also be plugged into the front of the projector.

## FUNCTION LEVER PANEL

- |                       |                        |
|-----------------------|------------------------|
| 1. Lamp low (reverse) | 6. Lamp high (forward) |
| 2. Reverse            | 7. MIC input           |
| 3. Stop               | 8. Volume control      |
| 4. Forward            | 9. Treble control      |
| 5. Lamp low (forward) | 10. Bass control       |

**Media Loan**  
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**(360) 867-6253**

**Olympia, WA 98505**

<http://www.evergreen.edu/media>



## STILL FRAME AND REVERSE PROJECTION

To still frame the picture, depress the **STILL PICTURE CLUTCH (4)** lever. The image will be very dark in still frame. The lever must be fully depressed or film frames may get burned. If the shutter is blocking the picture, turn the **INCHING KNOB (6)** in either direction until the image is no longer blocked.

For reverse projection, simply turn the **FUNCTION LEVER (16)** counterclockwise to the lamp position.

## REWINDING

To rewind, wait until the film has run all the way through the projector and attach the loose end to the supply reel. Leaving the **FUNCTION LEVER (16)** in STOP, move the **REWIND/OPERATE LEVER (3)** down to the REWIND position. If this lever is pressed down when film is threaded through the projector, the film will tear. (To rewind when the film is threaded, turn the **FUNCTION KNOB (16)** to REVERSE as explained under 'Reverse Projection.')

After the film is rewound, put the **REWIND LEVER (3)** back up to its normal position to stop the motor.

After removing both reels from the arms, push the **ARM LOCKING BUTTONS (1 & 14)** and lower the arms. Turn off the volume control switch. Replace the front cover and the plastic cover. The plastic cover should be used to carry the take-up reel and the spare lamps.

## CHANGING LAMPS

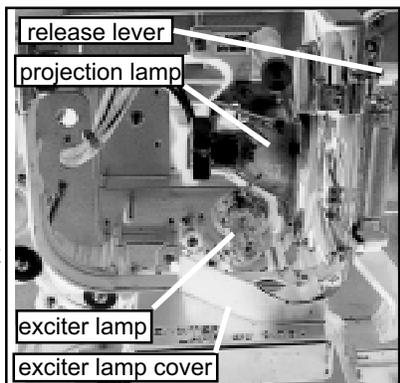
The Eiki projector has two lamps: a **PROJECTION LAMP** and an **EXCITER LAMP**, which picks up the optical audio track on the film.

To change either lamp, first disconnect the projector from the power source and pull out on the top edge of the **LAMP HOUSING** to remove it.

To change the **PROJECTION LAMP**, first pull the black **HEAT SHIELD** away from the projector. Then pull the wire release lever located above the lamp toward you. The lamp may pop out, so be prepared to catch it. Make sure the replacement lamp snaps into place; proper seating is essential.

To change the **EXCITER LAMP**, pull out on the black **EXCITER LAMP**

**COVER**. Push in on the lamp and turn it counterclockwise to remove it. Insert the new lamp with the notch on the base flange in the upper right position. Turn it clockwise, clean fingerprints from the lamp, then replace the covers.



## TROUBLESHOOTING

### No Power

- Check power cord connection in wall outlet.
- Check outlet for power.

### Motor Runs but No Projection Light

- Replace projection lamp.

### Motor and Lamp Operate, but Film Does Not Run

- Raise Still Picture Clutch.

### No Sound

- Turn volume switch on and increase volume.
- Check speaker connection if external speaker is being used.
- Replace exciter lamp if it does not light.

### Poor Sound

- Check the lower film loop - rethread if necessary.
- Film may be defective, use new film if possible.

### Poor Picture

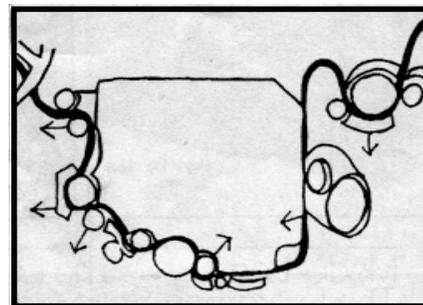
- Check loops, rethread if necessary.
- Clean projector lens with lens tissue.
- Refocus lens.
- Film may be defective.

If these simple adjustments do not correct the problem, return the projector to Media Loan.

**Please note:** Media Loan is **not** responsible for film damage. If your projector is not running properly and the above adjustments do not help, remove your film manually and ask someone in Media Loan for help.

## MANUAL UNTHREADING OF FILM

1. Unplug projector
2. Pull lens out
3. Don't push operate/rewind switch
4. Push controls in direction of arrows
5. Manually thread the film from the supply reel side to the take up reel as pictured below



All TESC films and Washington State Film Library films are housed in Sound and Image Library, on the second floor of the Library building, and are available to Evergreeners and state agencies. A projection room with equipment already set up and ready for viewing is located in the Media Services area, Library 1314. Call ext. 6270 for info.