



When the show must go on.



SL-0/02/1/2

Simple Operation

Easy Maintenance

Trouble-Free Use

This Operator's Manual is easy to read, informative and helpful.

Please read it carefully. Before you try it your way, please try it our way.

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IMPORTANT SAFEGUARDS (cont'd)

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- 10. To avoid electric shock hazard, do not disassemble this projector, but refer to a qualified service technician when service or repair work is required. Improper repairs or reassembly can cause electric shock hazard when the projector is used subsequently.
- 11. Do not remove lamphouse cover when projector motor is running.
- 12. Observe the caution plate by rear cover latch "DISCON-NECT POWER SUPPLY BEFORE OPENING".
- 13. Do not look directly at an operating lamp with unprotected eyes.

SAVE THESE INSTRUCTIONS

IMPORTANT SAFEGUARDS

When using your EIKI 16mm projector, basic safety precautions should always be followed, including the following:

1. Read and understand all instructions.

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- 2. Close supervision is necessary when any equipment is used by or near children. Do not leave projector unattended while in use.
- 3. Care must be taken as burns can occur when changing lamp. Use lamp ejection lever provided to avoid possibility of burns from a hot lamp.
- 4. Do not operate projector with a damaged cord or if it has been dropped or damaged — until it has been examined by a qualified service technician.
- 5. Do not let the cord hang over edge of the table or counter or touch hot surfaces.
- 6. If an extension cord is necessary, a cord with a suitable current rating should be used. Cords rated for less amperage than the projector may overheat. Care should be taken to arrange the cord so that it will not be tripped over or pulled.
- 7. Always unplug projector from electrical outlet when not in use. Never yank cord to pull plug from outlet. Grasp plug and pull to disconnect.
- 8. Let projector cool completely before putting away. Return cord to cord storage space provided when storing projector.
- 9. To protect against electrical shock hazards, do not operate
 this projector in the rain or when wet.

SPECIFICATIONS

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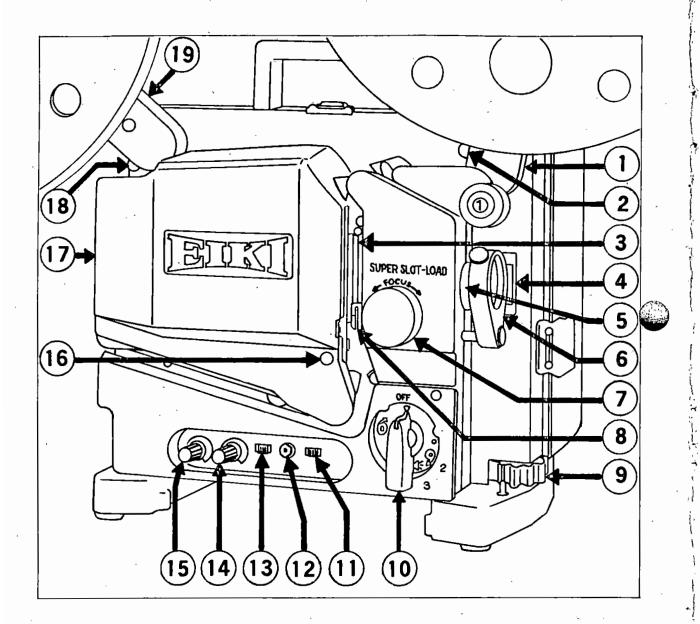
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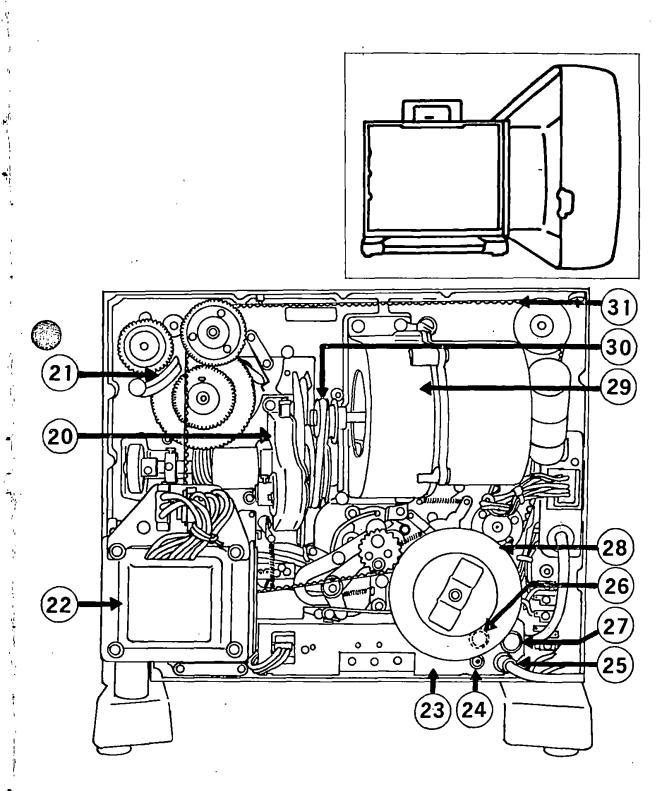
	Power source	Projectors available from 100 to 240V					
		50, 60Hz, dual (switchable) voltage also					
		available					
	Typical power consumption	430-450W					
	Lamp	Tungsten halogen 24V-250W (type ELC)					
	Exciter lamp	4V, 0.75 amp (type BRK)					
	Standard lens	50mm (2") f1.2, 6 element coated					
	Resolution	Excess of 100 lines per mm					
	Shutter	2 bladed or 3 bladed					
C	Motor	Induction with capacitor					
	Film speed	24 and 18 FPS, sound and silent					
	Loop restorer	Automatic					
	Switch	Single rotary lockout switch for gate closing,					
		forward, lamp and rewind					
	Lamp brightness	Two position lamp intensity selector switch					
		1200 LX (900 lumens)					
	Rewind	High speed in path or reel to reel without					
		reel change					
	Reel capacity	600m (2000ft)					
	Speaker	Model 0/02 type 12.5cm (5") internal					
		speaker only					
		Model 1 & 2, with two 12.5cm (5") remov-					
		able front cover speakers and 12.5cm (5")					
		internal speaker					
	Amplifier	Solid state 15W RMS					
	Tone Control	Tone control with voice and music filter					
		switch					
ł	e e	25cm x 38cm x 35cm (9.8" x 15.0" x 13.8")					
	Weight	14.8kg (32.6 lbs)					

MAIN PARTS OF THE PROJECTOR



- 1. Supply arm
- 2. Supply arm lock button
- 3. Film gate
- 4. Inching knob
- 5. Lens
- 6. Anamorphic lens holder
- 7. Focus knob
- 8. Framing lever
- 9. Elevator knob
- 10. Function switch

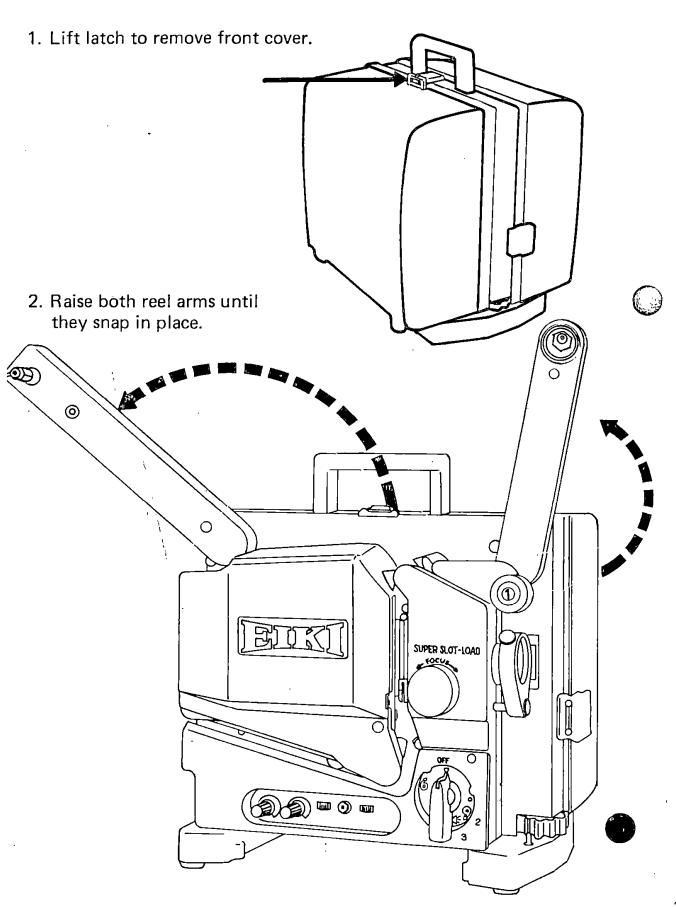
- 11. Optical/Magnetic playback selector switch (SL-02/2 only)
- 12. P.A. microphone jack
- 13. Voice/music selector switch
- 14. Tone control
- 15. Amplifier ON & OFF and volume control
- 16. Lamp house cover screw
- 17. Lamp house cover
 - 18. Take-up arm lock button
 - 19. Take-up arm

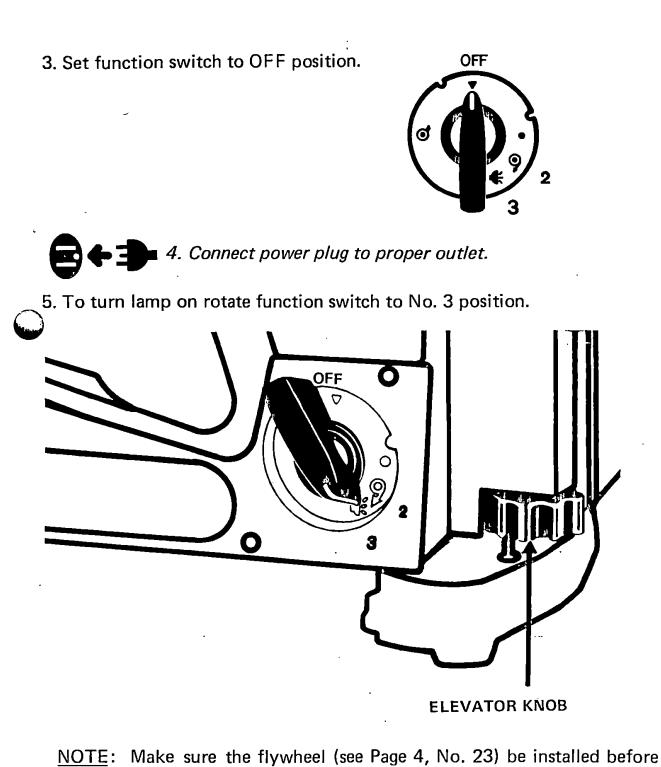


- 20. Cam tank module
 21. Rewind clutch
 2. Transformer module
 24. Aux output
- 25. Rear cover speaker jack

- 26. Exciter lamp fuse
- 27. Amplifier fuse
- 28. Flywheel
- 29. Motor fan module
- 30. Motor drive belt
- 31. Main drive belt

SETTING UP THE PROJECTOR





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6. Position projector for the appropriate size image as desired. Adjust elevator knob to achieve the required image height. (See chart below for appropriate lens, distance and screen size.)

Distance Lens		3m	5	10	15	20	25	30	40
38mm.	H	0.56	0.94	1.89	2.84	3.79	4.74	5.69	7.58
	W	0.76	1.26	2.53	3.80	5.07	6.34	7.61	10.15
50	н₩	0.43 0.57	0.72 0.96	1.44 1.93	2.16 2.89	2.88 3.86	3.60 4.82	4.32 5.79	5.76 7.72
65	H	0.33	0.55	1.10	1.66	2.21	2.77	3.32	4.43
	W	0.44	0.74	1.48	2.22	2.96	3.71	4.45	5.93
76	H	0.28	0.47	0.94	1.42	1.89	2.37	2.84	3.79
	W	0.38	0.63	1.26	1.90	2.53	3.17	3.80	5.07
100	н	0.21	0.36	0.72	1.08	1.44	1.80	2.16	2.88
	W	0.28	0.48	0.96	1.44	1.93	2.41	2.89	3.86

SCREEN SIZE CHARTS IN METERS

SCREEN SIZE CHARTS IN INCHES

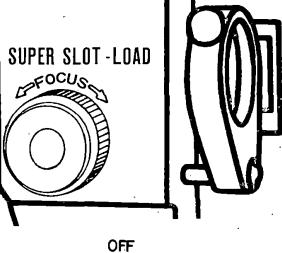
Distance Lens	₽	8'	10'	12'	15′	20'	25′	30'	35′	40'	45'	50′	60'	75'	100'
1″	HW	2'2" 2'11"	2'9" 3'8"	3'4'' 4'5''	4′2″ 5′7″	5′7″ 7′5″	6′11″ 9′4″	8′4″ 11′3″	9′9″ 13′1″						
1.5"	нw	1′5″ 1′11″	1'10'' 2'5''	2'2" 2'11"	2′9″ 3′8″	3′8″ 4′11″	4'7" 6'2"	5′7″ 7′6″	6'6'' 8'9''	7'5'' 10'0''	8'4'' 11'3''	9'4" 12'5"		-	
2.0"	HW		1'4" 1'10"	1′8′′ 2′2″	2′1″ 2′9″	2'9" 3'8"	3'5" 4'8"	4'2'' 5'7"	⁶ 4'10'' 6'6''	5'7'' 7'5''	6'3" 8'5"	6′11'' 9'4''	8'4'' 11'3''	10′5′′ 14′0′′	13'11" 18'9"
3.0"	н×			1.	-		2′3″ 3′1″	2′9″ 3′8″	3'3'' 4'4''	3′8″ 4′11″	4'2" 5'7"	4'7'' 6'2''	5'7" 7'5"	6′11″ 9′4″	9'3'' 12'6''
4.0"	н w						1′8″ 2′3″	2′1″ 2′9″	2′5″ 3′3″	2'9'' 3'8''	3′1″ 4′2″	3′5'' 4′8''	4'2" 5'7"	5′2'' 7′0''	6′11" 9′4″

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7. Adjust focus for clean, sharply illuminated screen.

8. Return function switch to OFF.

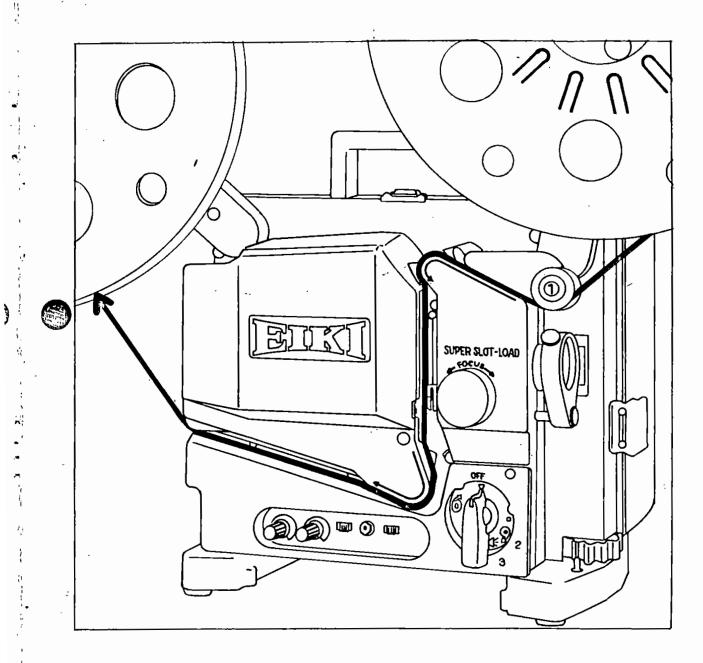
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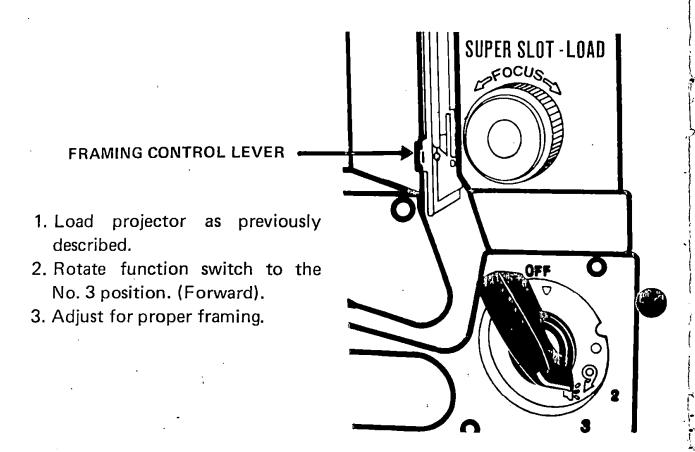
LOADING INSTRUCTIONS

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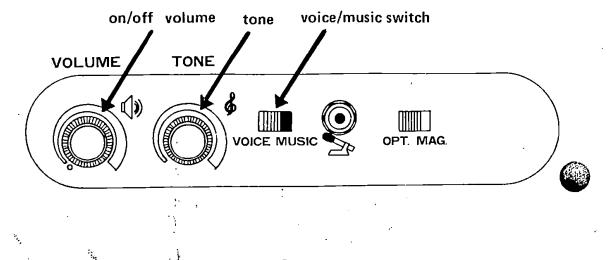


- 1. Set function switch to OFF position. Hold film by the finger tips, beginning at roller (1), pull the film along the slot as indicated by the orange arrows. Attach to the take-up reel in a clock-wise direction.
- 2. Rotate function switch slowly clock-wise to position (2) (forward).
- 3. Rotate function switch to position (3) to turn on the lamp.
 - <u>NOTE</u>: The inching knob may be used to manually advance the film when the function switch is rotated to the first detent before position No. 2 and 3.

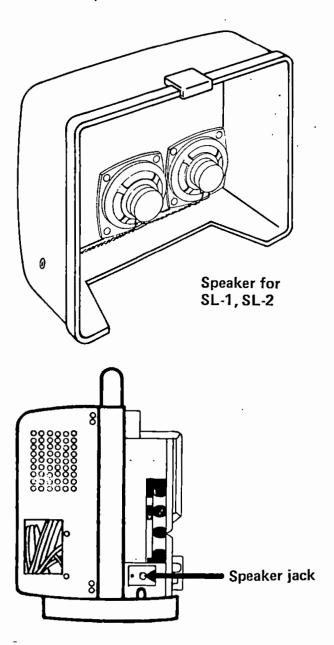
PROJECTING



- 4. Adjust focus for sharp, crisp picture.
- 5. Turn on the amplifier and adjust volume and tone. (When the music/ voice switch is set for "music" the full range of the amplifier is available for rich sound with maximum frequency response. The tone control can be used for minor adjustments. When switched to "voice" the amplifier provides maximum clarity and intelligibility to the narration.) You can get flat frequency response with "voice" position and tone control at center.



6. For larger groups the extension speakers located in the front cover (SL-1, SL-2 models only) may be placed near the screen and plugged into the jack marked "speaker" located on the left of the projector. The internal speaker in the rear cover is then automatically shut off.



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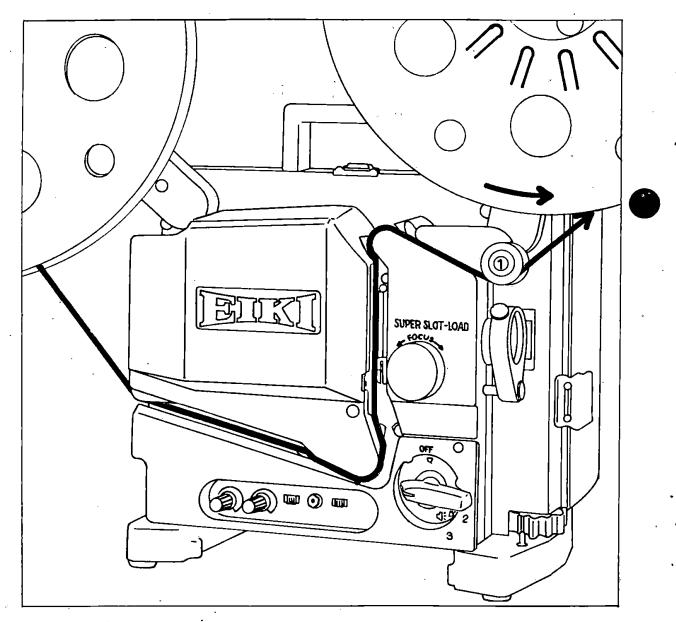
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REWINDING

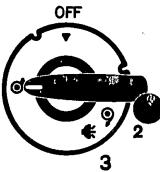
Film may be rewound through the slot path, or direct from take-up to supply reel.

1. For in-path rewind, stop the projector before the end of the film trailer.



Rotate the function switch to rewind position.

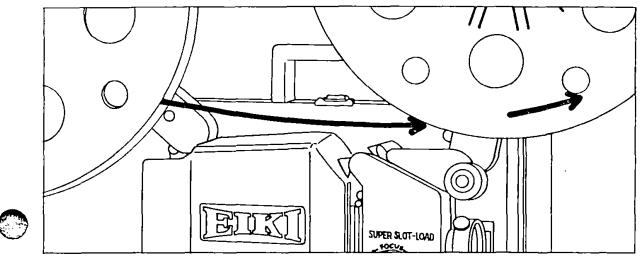
<u>Caution</u>: Do not switch directly from forward to rewind without first stopping the projector at the OFF position.



2. Reel-to-reel rewind. Bring the film directly from the take-up reel and attach it to the supply reel in a counter clockwise direction.

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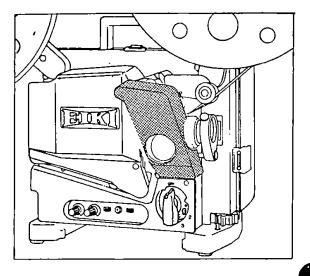
Rotate the function switch counter clockwise to the rewind position.

3. Return the function switch to "OFF" upon completion of the rewind.

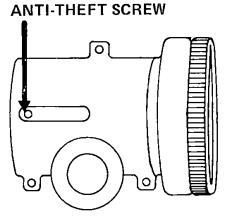
REMOVING THE LENS

(WITH ANTI-THEFT SCREWLOCK-U.S.A. only)

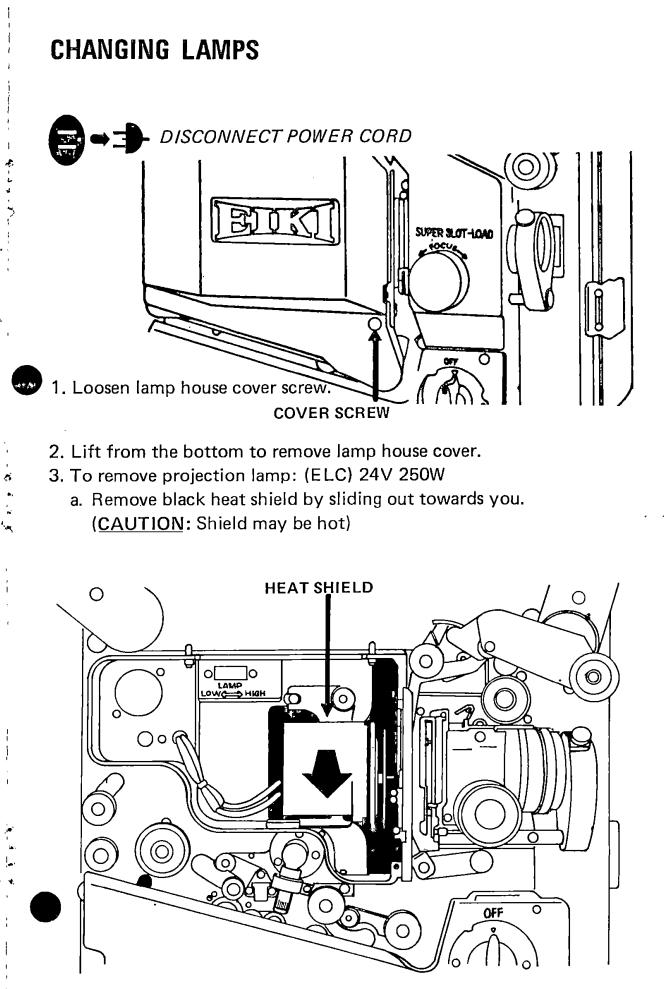
- 1. Remove film gate; by pulling out from the top.
- 2. Remove lens holder mechanism cover by pulling out from the top as shown.



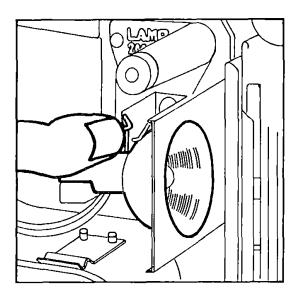
3. Remove the anti-theft screw on the lens holder.

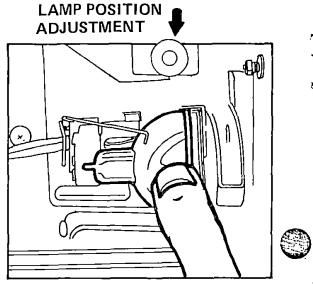


- 4. The lens can now be removed by turning the focus knob until lens is free.
- 5. To reinstall the lens, reverse the above procedure. Telephoto and wide-angle lenses can be installed in the same manner except that they do not have the anti-theft screw.



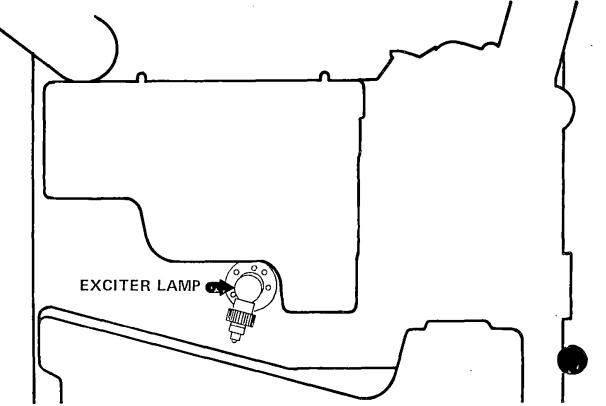
b. Push lamp ejection lever to the left and lamp will come out.





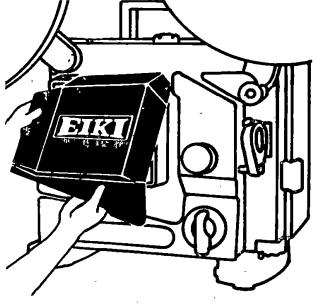
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- c. When replacing lamp be sure that it snaps into the socket properly and that the heat shield and cover are re-installed.
- d. For maximum, even illumination it may be necessary to adjust the lamp position to allow for slight variations in lamps.
- 4. Exciter lamp. (BRK/4V 0.75A)



a. Push in on the lamp and turn counter clockwise to remove.

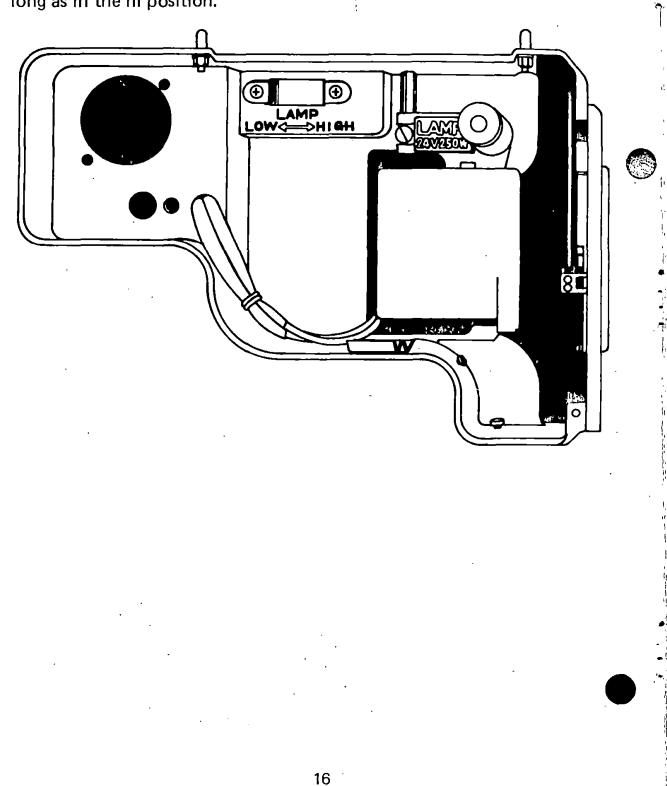
- b. Insert new lamp with notch on base flange in upper right position. Turn clockwise, and clean fingerprints from lamp.
- 5. To re-install lamp house cover be sure the two pins on top of the lamp house line up with the holes in the cover. Snap closed and tighten the lamp house cover screw.



HI - LOW LAMP SWITCH

The hi-low lamp switch is located inside the lamp house. To change the hi-low switch it is necessary to remove the lamp house cover as outlined for changing the lamp.

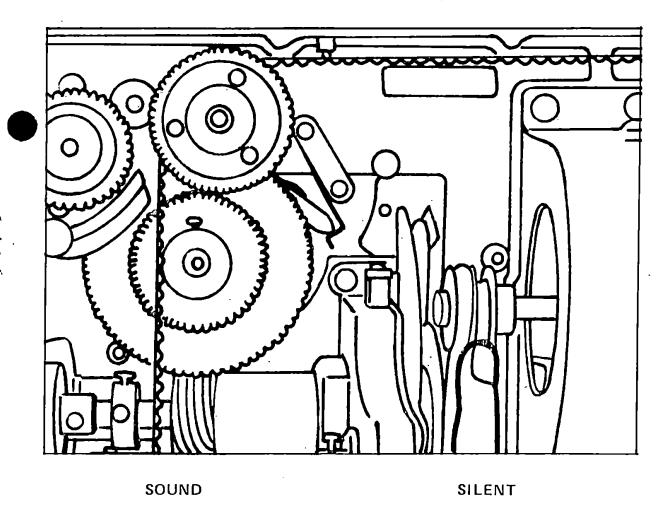
By switching to the low position the lamp will last nearly three times as long as in the hi position.

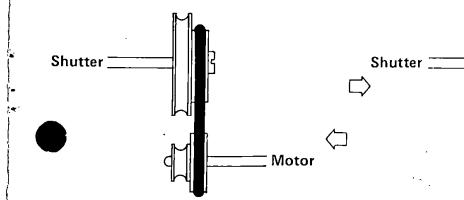


SILENT FILM OPERATION

Disconnect power cord.

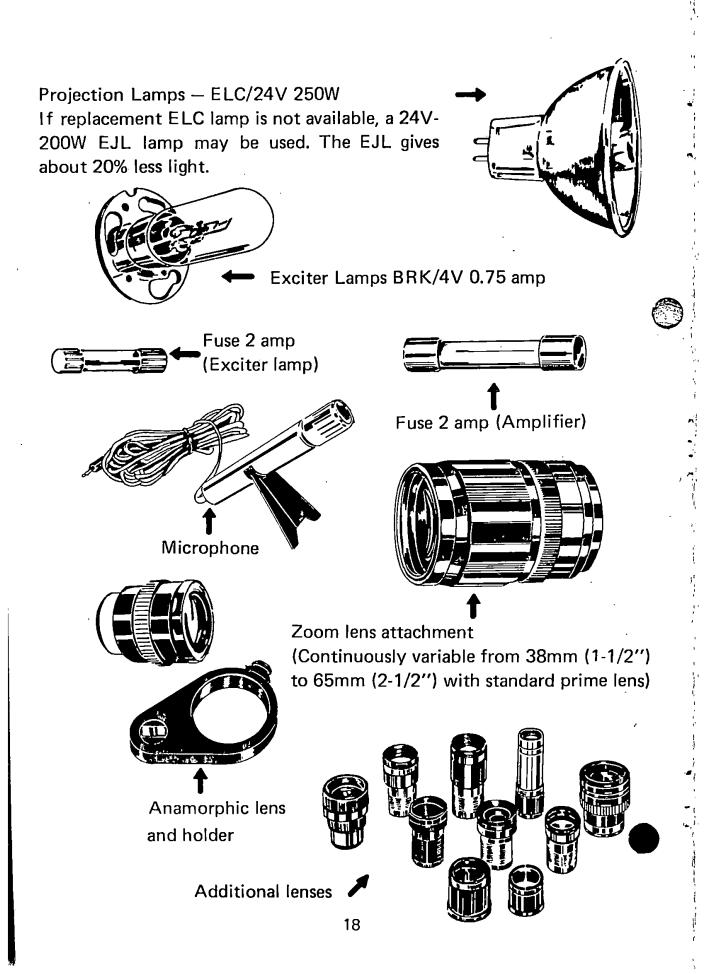
- 1. Open rear cover. Turn inching knob, at the same time guiding the belt, first to the smaller motor pulley, then to the larger shutter pulley.
- 2. To change back to sound speed reverse the procedure. NOTE: 50/60HZ models do not have silent speed.





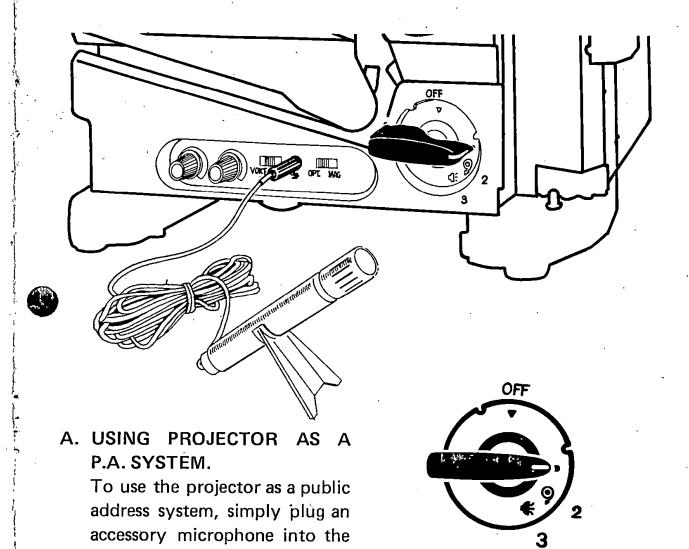
Motor

RECOMMENDED SPARE PARTS AND ACCESSORIES



SPECIAL APPLICATIONS

amplifier mic jack.



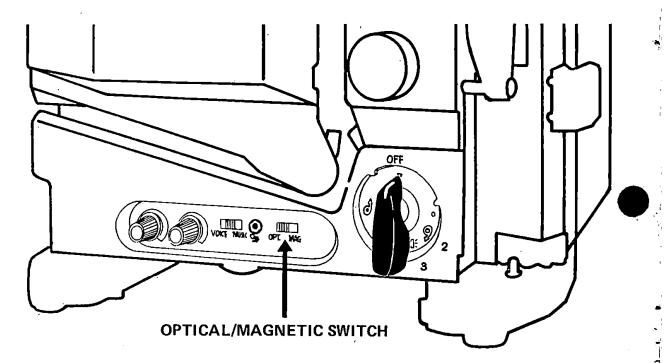
Advance the projector function switch clockwise to the position marked mic. Adjust the volume and tone controls as necessary.

<u>NOTE</u>: It is recommended that the P.A. mic be used with the projector plugged into the external speakers, and that the speakers be located away from the projector.

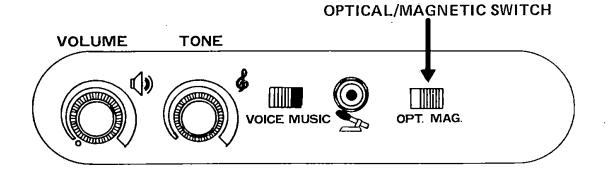
B. MAGNETIC SOUND TRACK PLAYBACK (Model SL-02, SL-2)

To reproduce a previously recorded magnetic sound track switch the Opt/ Mag switch to the right. Projector may then be operated as usual.

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Since the majority of films are optical it is a good idea to return the switch to optical for the next user.

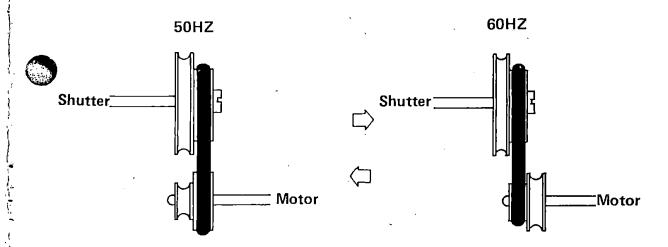


C. 50HZ to 60HZ CONVERSION

The standard SL projector is available either as 50HZ sound and silent or 60HZ sound and silent operations. Conversion from 50 to 60HZ or 60 to 50HZ can be accomplished by changing the motor pulley only.

To allow the projector to be operated at either 50 or 60HZ sound only, it is necessary to change the motor pulley.

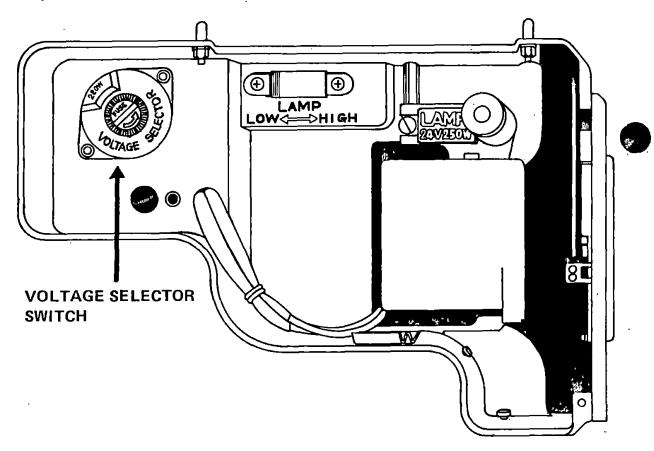
It is now possible to change frequency by shifting the motor pulley and the motor drive belt.



D. MULTIPLE VOLTAGE APPLICATIONS

In many countries where more than one electrical power source is common, special models with selective voltage requirements are available. To select the appropriate voltage, remove the lamp house cover as indicated in the lamp replacement procedure. In the upper left hand corner of the lamp house is a selector switch.

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Select the appropriate voltage prior to plugging in the projector. When returning the projector to an area using higher voltage be sure to switch it to the correct voltage before plugging it in.

CLEANING AND MAINTENANCE

The EIKI SL projector has been designed to provide years of trouble free services.

All maintenance such as lubrications and adjustments should be referred to a qualified EIKI service technician.

To keep your projector looking and operating like new the following items should be checked and cleaned by the operator.

1. Lens – Clean with soft lens tissue.

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2. Film gate and aperture plate – Remove and clean with soft brush.

3. Film rollers – Clean and wipe dry with isopropyl alcohol.

4. Sound focus lens – Brush or blow off dust and lint.

5. Projector – Wipe off covers with a damp cloth and keep them closed when projector is not in use.

The front elevated feet should always be up before transporting or storing the projector.

Do not oil or lubricate any part of this projector. Refer to your authorized EIKI dealer.

OPERATOR TROUBLE SHOOTING GUIDE

SYMPTOM	CHECK
No power to motor or lamp (Pilot lamp not on)	 Be sure projector is plugged in and the outlet has power Check power cord Motor thermal fuse is defective
	or motor module is not plugged in
Motor runs but film doesn't advance	1. Motor belt off or broken
Motor runs too fast or too slow	1. Belt not on the correct motor pulley
Notor runs, film advances, lamp does not come on	 Function switch not in No. 3 position Defective lamp Transformer module lamp plug disconnected or defective
Won't load properly	 Function switch not in the OFF position (Refer to loading in- structions) Film gate not properly in place
No sound (Exciter lamp on)	 Amplifier volume control not turned up On magnetic playback models make sure switch is in the correct position Function switch not in position No. 2 or 3. 2 amp amplifier fuse defective
No sound (Exciter lamp not on)	 Amplifier volume control not turned on Defective exciter lamp 2 amp exciter lamp fuse defect tive Amplifier not plugged in

	SYMPTOM	CHECK
_	Poor Sound	1. Check position of volume con trol
		2. Check position of music/voice
		3. Check position of tone control
		4. Clean exciter lamp
		5. Check for dirt in the solar cell
		6. Check film may be defective
		7. Incorrect exciter lamp
P		8. Speaker defective
	Poor picture	1. Remove and clean film gate and aperture
		2. Clean lens with a soft tissue both front and rear
		3. Refocus lens
		4. Film may be defective
	Poor illumination	1. Hi-low lamp switch in low position.
		2. Lamp incorrectly aligned
		3. Defective lamp.

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