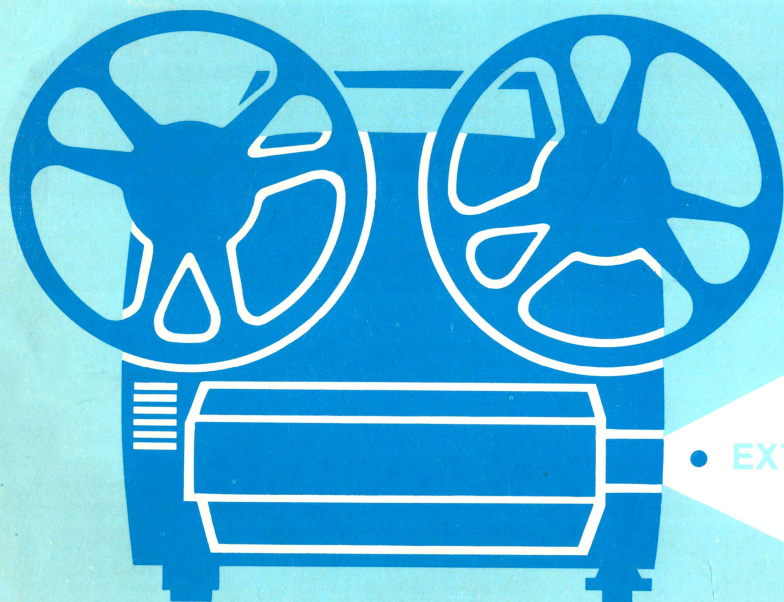


EMDEKO

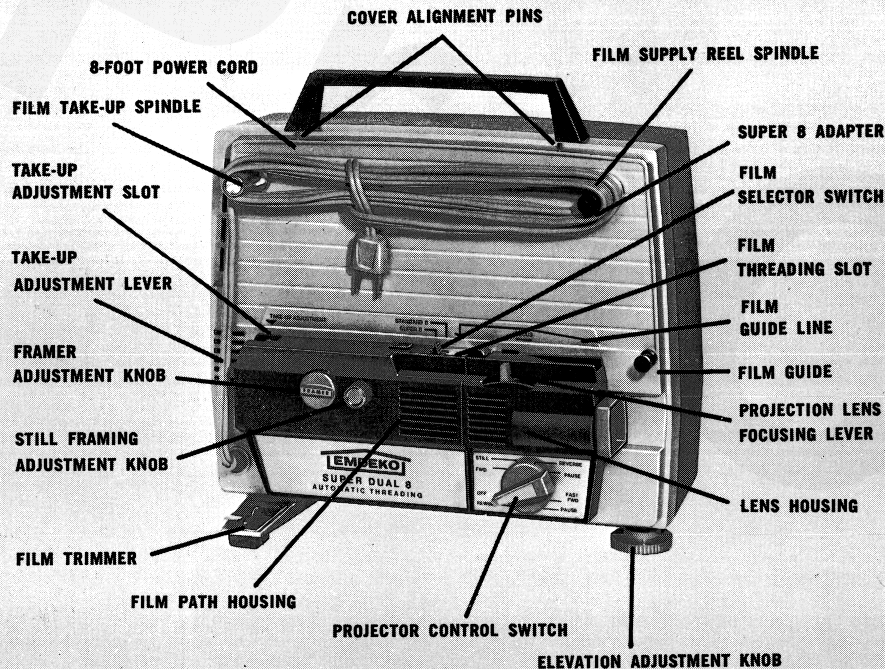
™

Products of Distinction
MODEL EM-7000

super DUAL 8 MOVIE PROJECTOR



- FULLY AUTOMATIC
- SELF-THREADING
- FORWARD—REVERSE
- EXTRA-BRIGHT STILL PROJECTION
- PROJECTS BOTH STANDARD 8mm
AND SUPER 8 FILM



EMDEKO SUPER DUAL 8 AUTOMATIC MOVIE PROJECTOR

Your EMDEKO Movie Projector with 400-foot reel capacity shows either standard 8mm or Super 8 movies with brilliance and color fidelity.

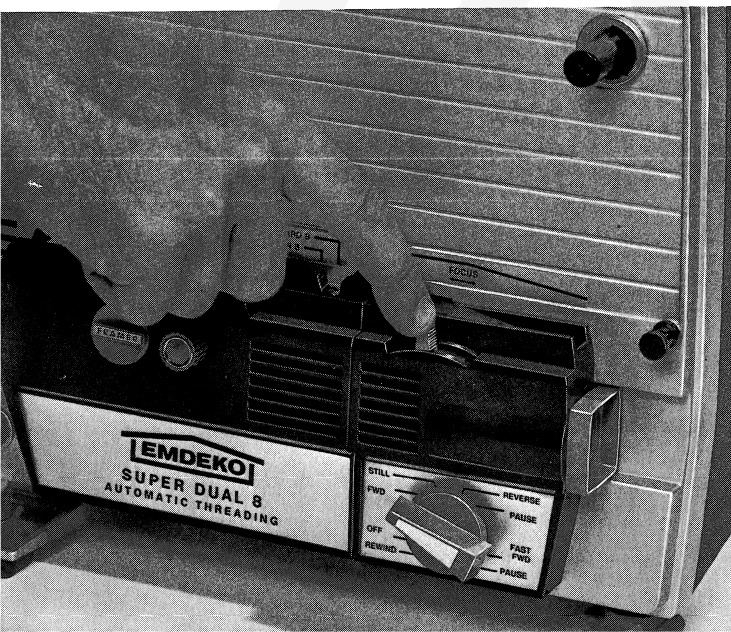
Its advanced design and simplicity of operation with fully automatic film threading enable you to project movies with maximum convenience to you and your audience.

Its superior quality construction assures you long, trouble-free operation.

To familiarize yourself with proper operation of your EMDEKO Movie Projector, study this book carefully.

QUALITY FEATURES OF YOUR EMDEKO SUPER DUAL 8 AUTOMATIC MOVIE PROJECTOR

- 1. PROJECT EITHER STANDARD 8mm OR SUPER 8 FILM...**two quick and simple changes allow you to show either standard 8mm or the new Super 8 film.
- 2. FULLY AUTOMATIC FILM THREADING...**insert film into threading slot—film automatically threads right onto take-up reel.
- 3. UNIQUE SHUTTLE DRIVE AND AUTOMATIC TENSIONING...**eliminates sprocket wheels—no film loops to reset.
- 4. STILL AND REVERSE PROJECTION...**stop the action or reverse the action for added enjoyment or comic illusions—then continue your show without interruption.
- 5. REWIND TWO WAYS...**turn projector control switch and rewind back through projector anytime during projection—or rewind directly from take-up reel to storage reel.
- 6. FAST FORWARD...**get quickly to scenes remaining on supply reel.
- 7. BUILT-IN REFLECTOR LAMP...**higher light output at low wattage without condenser lenses—no bulky lamp housing.
- 8. COLOR CORRECTED AND COATED PROJECTION LENS...**22mm f/1.6 anastigmat, coated and color corrected lens—with convenient lever focusing.
- 9. SINGLE CONTROL SWITCH...**simple and easy to operate.
- 10. 8-FOOT POWER CORD...**projector operates on 110-120-volt, 60-cycle A.C. only.
- 11. REMOVABLE FILM PATH HOUSING...**gives easy access to film path.
- 12. 400-FOOT FILM CAPACITY...**for a half hour show of standard 8mm or Super 8 movies.
- 13. COMPACT STYLING...**easy to store—sturdy handle makes it easy to carry.
- 14. INDIVIDUAL SERIAL NUMBER...**each EMDEKO SUPER DUAL 8 Automatic Movie Projector carries a model number and individual serial number (located on the specification plate on bottom of main projector frame). Retain a record of your projector numbers. This assures you of positive identification in case of loss or theft. Be sure to fill out and return registration card enclosed.



SETTING UP YOUR PROJECTOR

1. Place your projector on a projector stand, table or any firm support of convenient height.
2. Remove the cover by pushing up on bottom latch and pulling out on bottom of cover. Note how cover alignment pins at top of projector case fit into holes in projector cover.
3. Unwind power cord from reel spindles and plug cord into wall outlet (110-120-volt, 60-cycle A.C. only).
4. Remove take-up reel from its storage area in projector cover and place reel on film take-up spindle with slotted center hole of reel toward projector. Rotate reel to fit a slot over the spindle key, then push reel on firmly to lock in place.
5. Set up your screen at desired projector distance. Be sure screen is perpendicular to the line of projection so both sides of projected image can be brought into sharp focus. Refer to Projection Distance Table for correct projector-to-screen distance.
6. Turn projector control switch clockwise to FORWARD position.
7. Center light area vertically on the screen by turning elevation adjustment knob. Center horizontally by moving the projector. Move projection lens focusing lever forward or backward until margins of the lighted area are sharply defined on the screen.
8. Turn projector control switch to OFF.

PROJECTION DISTANCE TABLE

Screen Width	Projector-to-Screen Distance	
	Standard 8mm	Super 8
24"	10'3"	8'5"
30"	12'9"	10'7"
40"	17'0"	14'2"
50"	21'6"	17'5"

PROJECT EITHER STANDARD 8mm OR SUPER 8 MOVIES

You have the convenience of two movie projectors in one with your EMDEKO SUPER DUAL 8 Automatic Movie Projector. With just two quick and simple adjustments, you can show either standard 8mm or new Super 8 movies on this one projector.

TO SHOW STANDARD 8mm MOVIES

Move the film selector switch forward to the STANDARD position as marked on the projector (selector is located to the rear of the film threading slot).

Remove the adapter from the film supply spindle. If the adapter does not pull off easily, insert a coin behind the adapter flange and twist to loosen. With the adapter removed, the film supply spindle will take standard 8mm film reels with their smaller center holes. Store adapter in special holder located inside projector cover.

Your projector is now ready to show standard 8mm movies.

TO SHOW SUPER 8 MOVIES

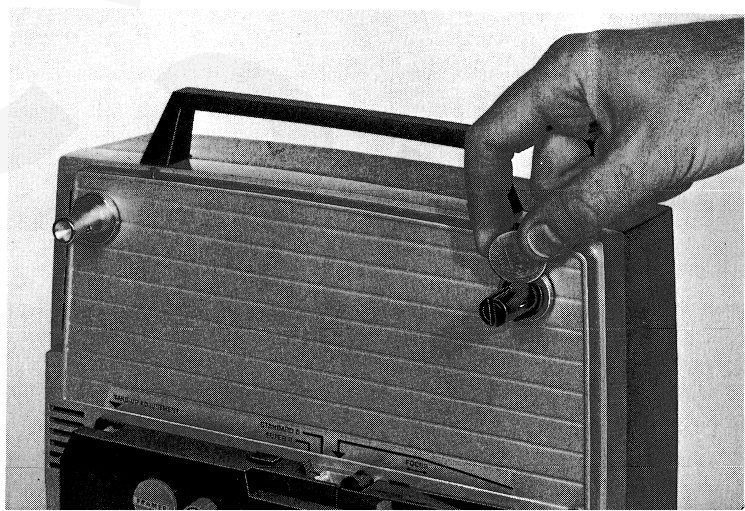
Move the film selector switch to the rear SUPER 8 position as marked on the projector.

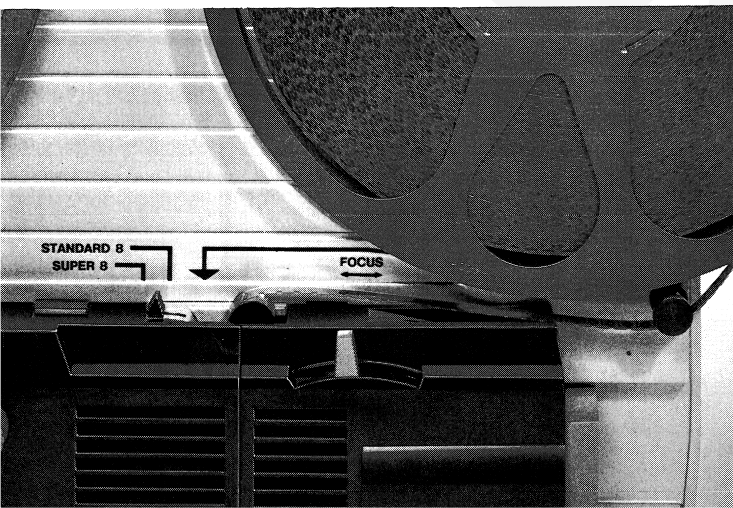
Install the adapter on the film supply spindle. Align either of the two slots in the end of the adapter with the film supply spindle key, and push the adapter **all the way** on the spindle. Now the spindle will take the larger center holes of the Super 8 reels.

The same take-up reel is used for both standard 8mm and Super 8 film.

Your projector is now ready to show Super 8 movies.

NOTE: The projected image on your screen will not be correct if the film selector switch is not in the proper position. If you project standard 8mm film with the selector switch in the Super 8 position, you will see film perforations on the left edge of the screen image. If you project Super 8 film with the selector switch in the standard 8mm position, the image may appear correct but the edges of the picture will be cut off since the Super 8 image is larger than the standard 8mm image. **Some damage to your film may result if the selector switch is not in the proper position for your size film.**





AUTOMATIC FILM THREADING

1. Place your reel of film on the film supply spindle with the slotted center hole of reel toward projector. Rotate reel to fit a slot over the spindle key, then push reel on firmly to lock in place. Film should feed off front of the supply reel with perforated edge of film farthest from projector body.

2. If your film is being shown for the first time, or has a ragged or torn end, round off the end with film trimmer on projector base. Cut between perforations. Make certain trimmed end is smooth, not ragged.

3. Bring end of film down from supply reel and under film guide. Follow film guide line imprinted on face of projector.

4. Feed rounded-off end of film into film threading slot until drive mechanism engages film or until about two inches of film have been fed into slot.

5. Check to make certain film is still under film guide. Turn projector control switch to FORWARD position.

If film does not feed into projector, check the following possible causes:

Film end not trimmed correctly.

Film selector knob in wrong position.

Film end not pushed far enough into film threading slot.

Film path housing not properly installed.

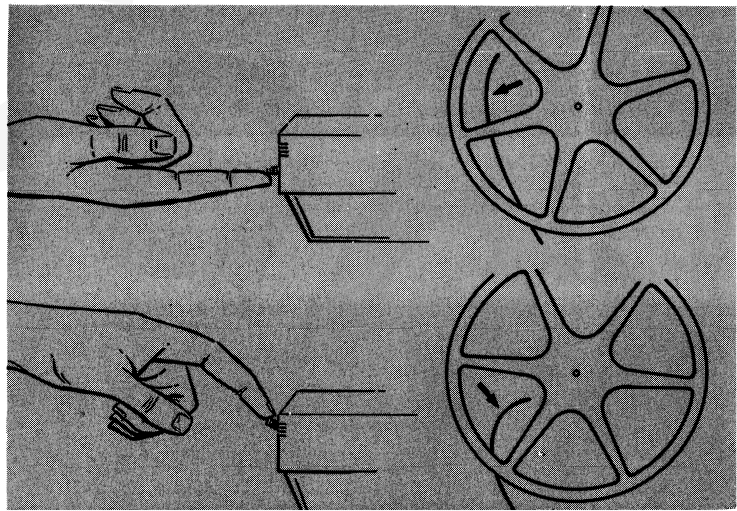
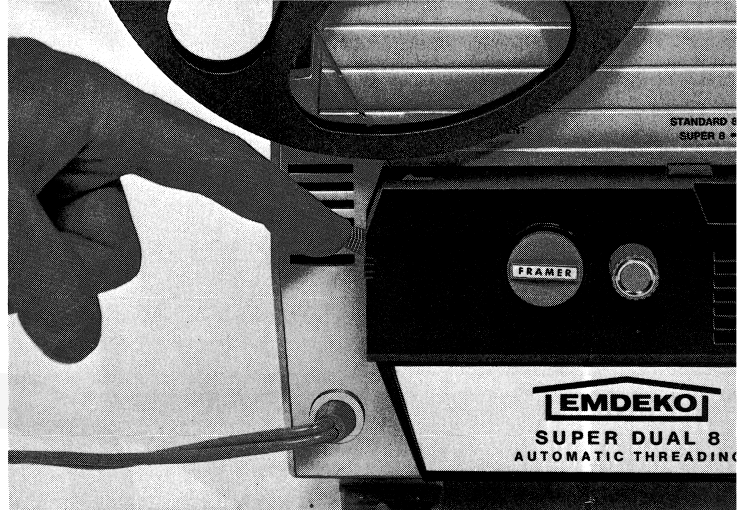
6. Film will thread automatically through film path assembly, past film take-up adjustment and onto Auto-Thread tooth core take-up reel supplied with your projector.

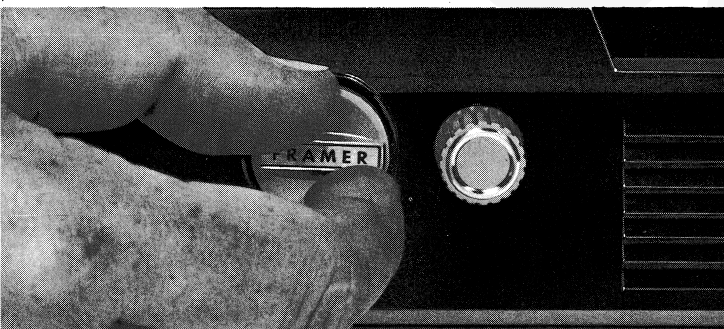
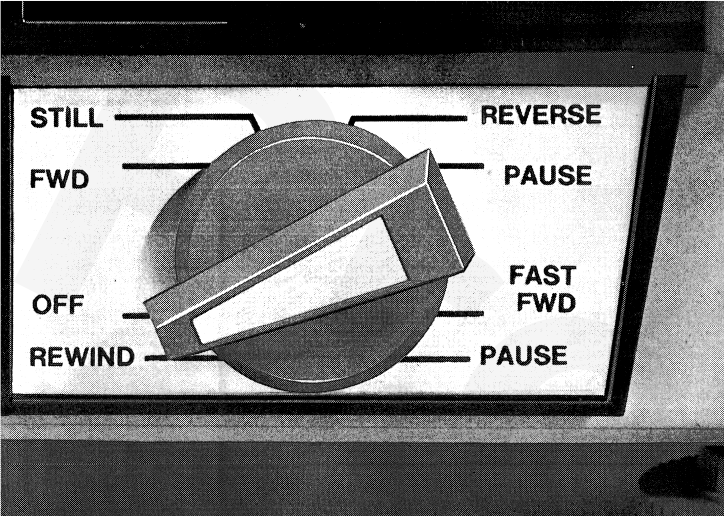
If film comes out of take-up adjustment slot too straight to feed onto core of take-up reel, lift up take-up adjustment lever. This curls film toward take-up reel core.

If film comes out of take-up adjustment slot with too much curl to feed onto core of take-up reel, push down take-up adjustment lever. This straightens film and directs it over core of take-up reel.

Your new projector incorporates a unique film path buffer system that eliminates sprocket wheels and automatically adjusts film tension as your film is projected . . . no film loops to form when threading . . . no lost loops to re-form during projection.

NOTE: Simplified instructions for film threading are printed inside projector cover for convenient reference.





EMDEKO
SUPER DUAL 8
 AUTOMATIC THREADING

PROJECTING YOUR FILM

1. Turn projector control switch to FORWARD position for normal movie projection.
2. Readjust focusing lever until your picture image is in sharp focus on the screen.
3. If a frame line or a portion of the next picture shows at top or bottom of screen, slowly turn framer adjustment knob until picture is properly centered.
4. If film stalls and projector is still operating, pull a few frames of film through the projector by turning take-up reel by hand.
5. If projector stalls, turn still framing adjustment knob.

CAUTION: Turn off projector immediately (1) at end of projection, (2) if film should break, or (3) if film should fail to feed properly. One frame of film may be damaged by heat if projection lamp is left on with film stopped in film path assembly except while projector control switch is in STILL position for still projection.

STILL PROJECTION

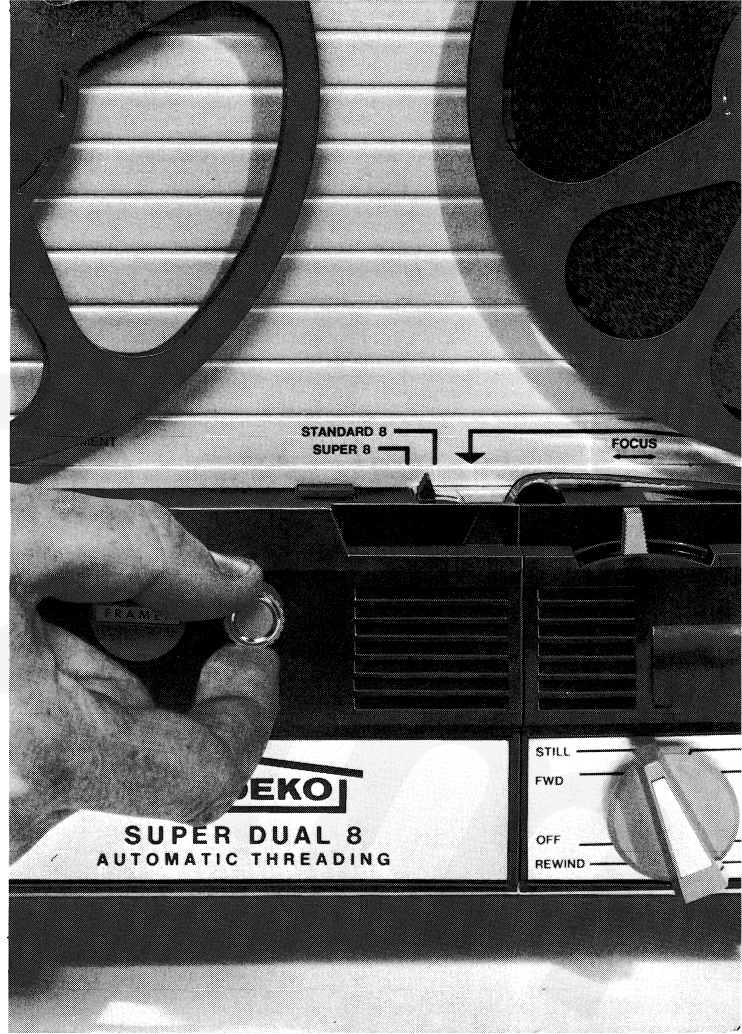
Your projector features "still" projection so you may stop your film and view individual frames.

For still or single frame projection, turn projector control switch to STILL position. If no picture appears on the screen, if the image is not bright or if the image is not framed properly, turn the still framing adjustment knob in either direction until the picture is framed and as bright as possible. The still framing adjustment knob may be used to advance the film a frame at a time when the projector control switch is in STILL position.

While individual frames are being viewed with still projection, a heat filter automatically protects the film from heat damage.

To resume normal projection after still projection, simply turn the projector control switch to FORWARD position or to REVERSE position, if desired.

NOTE: The still framing adjust knob rotates continuously while the projector is operating.



REVERSE PROJECTION

Your projector will also project your movies in reverse.

For reverse projection, turn projector control switch to REVERSE position. It may be necessary to re-frame the picture with the framer adjustment knob when going from FORWARD to REVERSE.

To resume normal projection, turn the projector control switch to FORWARD. To stop the film or shut off the projector, turn the projector control switch to PAUSE or OFF position. **NOTE:** PAUSE position should only be used temporarily. Use the OFF position when your show is completed.

FAST FORWARD

To get quickly to scenes remaining on the film supply reel for immediate projection, turn the projector control switch to FAST FORWARD.

To get quickly to already-projected scenes now on the take-up reel for re-projection, turn the projector control switch to REWIND. In FAST FORWARD and REWIND positions, the projection lamp will be off.

NOTE: Turn the projector control switch positively from position to position, without stopping between positions. This will reduce the possibility of the film reels free wheeling, causing the film to spill. When switching from FAST FORWARD to PAUSE it may be necessary to brake front reel with your hand. When switching from REWIND to PAUSE or OFF, it may be necessary to brake the rear reel.

If film spills from either the supply reel or take-up reel while turning projector control switch, rewind film back onto that reel by hand before turning projector control switch to a new position.

To resume normal projection from FAST FORWARD or REWIND positions, simply turn the projector control switch to the desired position.

REWINDING

After showing your film, rewind it back onto the film supply reel so it is ready for the next showing. Rewinding is easy with your new projector.

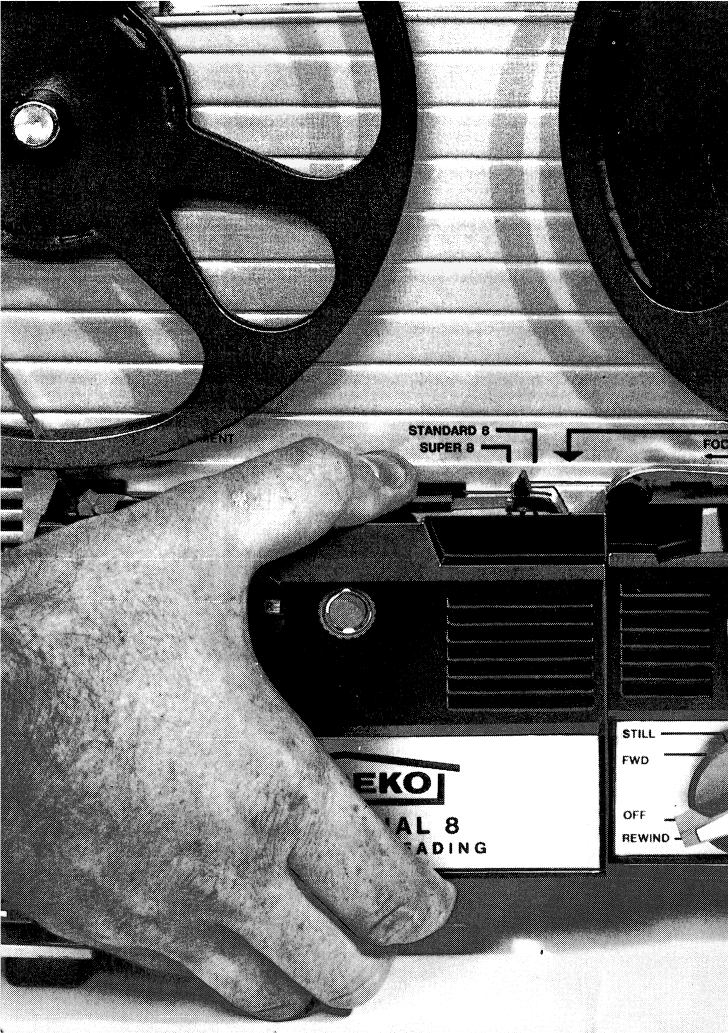
If end of film is still attached to supply reel, simply turn projector control switch to REWIND position. If you desire to rewind at any time during projection, simply turn projector control switch to REWIND.

If all of the film has passed through projector, turn projector control switch to OFF or PAUSE. Then by-pass the film path mechanism by threading film from the take-up reel directly across projector and back to supply reel. Attach film to supply reel by inserting its end into slot in reel core and rotating reel counter-clockwise a turn or two. Turn projector control switch to REWIND position. After film is completely rewound, turn projector control switch to OFF and your projector is ready for the next showing.

AFTER THE SHOW

Under normal conditions, your projector can be closed for storage right after the show. No cooling period is necessary. Remove the reels and put take-up reel on the storage spindle in the front cover. Unplug power cord and wind it around the reel spindles. Replace the projector cover.





DAMAGED FILM: For trouble-free projection, your film must be in good condition. Cut out bad sections of film which have torn perforations, and make certain all splices are aligned and in good condition. Repair poor splices before showing movies to your audience. Film which does not feed through the projector because its perforations are torn or damaged must be removed from the projector for repair.

REMOVING FILM FROM AUTOMATIC THREADING MECHANISM:

To remove film from the film path of your projector before all of the reel has been shown, first turn projector OFF and unplug power cord. Remove film path housing from projector by squeezing simultaneously the top and bottom tabs on housing and pulling out on the housing. Carefully remove film from film path.

Make certain film path housing is installed in correct position and is all the way in place.

REPAIRING FILM BREAKS DURING PROJECTION: If film breaks, turn projector control switch to OFF position as quickly as possible to prevent any further film damage. Use film trimmer on projector base to round off end of film coming from supply reel. Rethread this film and turn control switch to FORWARD to run about a foot of film through the projector. Turn projector OFF, splice film and resume projection.

BACKWARD ACTION AND UPSIDE DOWN PICTURES: If picture action is backward and pictures on the screen are upside down, the film has not been rewound after its last showing. Remove the full film reel from the film supply reel spindle and rewind the film on the projector or on a film editor. To rewind the reel on the projector, place it on the take-up reel spindle, and rewind film onto a spare supply reel before projecting. When film is threaded onto projector, the perforations must be farthest from the body of the projector. Emulsion or dull side of film should face the projection screen.

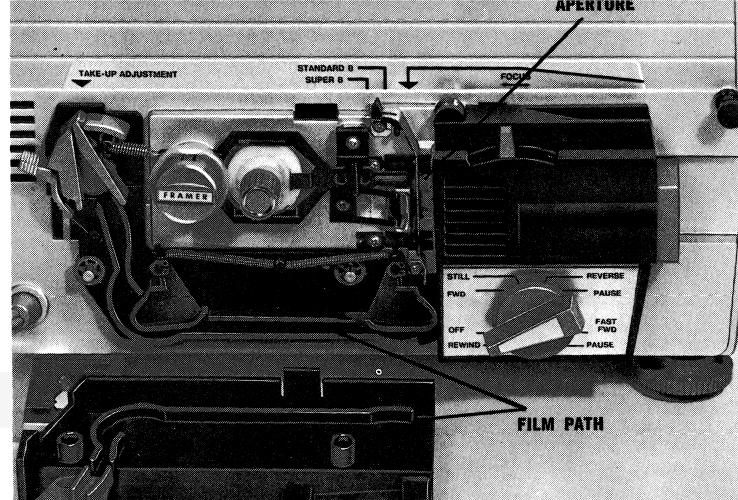
CARE AND MAINTENANCE

1. TO CLEAN APERTURE PLATE AND FILM PATH: Turn projector OFF and unplug power cord. Remove film path housing as shown on page 12. Clean dust from aperture with a small, soft brush. One is included with your projector and is stored in special holder located in projector cover. Clean the film path with a soft brush, cotton swab or pipe cleaner.

2. TO CLEAN PROJECTION LENS: Remove ribbed knob from focusing lever. Remove screw on projector control switch knob and pull off knob. Take out screw located next to control switch shaft and lift off lens housing. Push down on focusing lever to disengage it from lens barrel. Remove lens barrel by pulling it straight forward. Clean lens with a small, soft brush or carefully wipe front and rear elements of lens with lens cleaning tissue. If moisture is required, breathe on lens surfaces but do not use a wet cloth.

When replacing lens barrel, first make certain focusing lever is in vertical position. Then push down on focusing lever and push lens barrel into place, centering the threads on the lens barrel directly under the focusing lever. Adjust focus for optimum projection distance (approx. 12 feet). To do this, set up projector about 12 feet from projecting screen, plug in power cord, replace control knob and turn projector control switch to FORWARD position. Hold the focusing lever in vertical position with one hand and rotate the lens barrel with the other hand until margins of the lighted area are sharply defined on the screen. Turn projector to OFF. Remove projector control switch knob. Reassemble lens housing, ribbed focusing lever knob, small screw and projector control switch knob.

CAUTION: Make certain projector control switch knob is pointing toward OFF position when reassembling projector. Push knob on all the way.



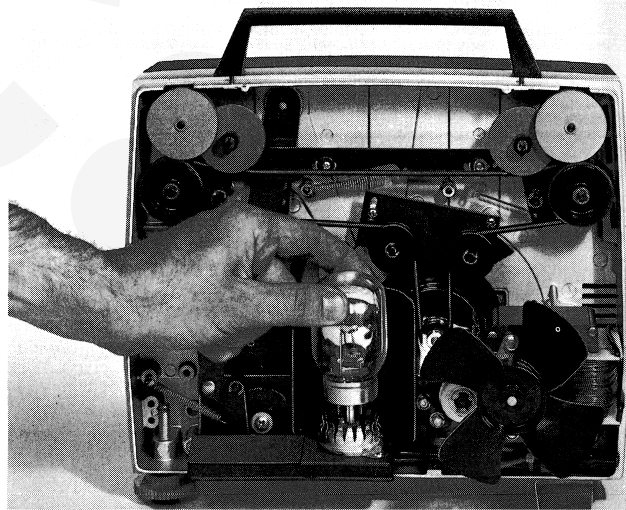
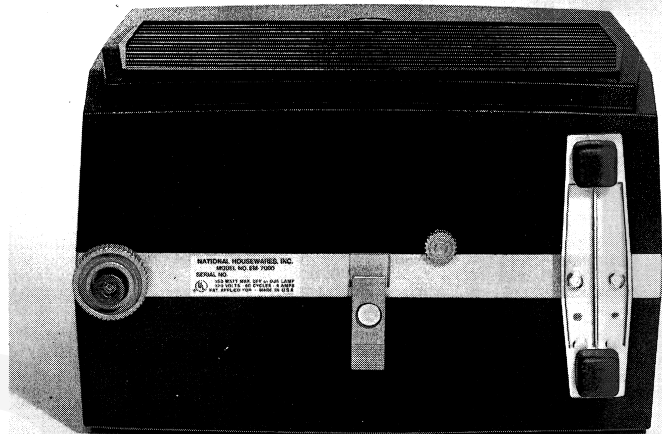
CARE AND MAINTENANCE (continued)

3. TO REPLACE PROJECTION LAMP. As a safety measure, always disconnect power cord before removing lamp. The projection lamp is located in the back of the projector. Loosen small thumb screw on bottom of projector and lift off back cover to give access to lamp. Be sure the lamp is cool. Remove lamp by pulling straight up—do not twist.

To replace lamp, place it in the socket and rotate until key on lamp base is aligned with keyway in socket. Push down firmly to seat lamp. For replacement lamp, use ASA code DFP or DJA, 150-watt projection lamp.

4. TO CLEAN MIRROR: Mirror is located behind projection lamp and is accessible when lamp is removed. Dust can be removed from mirror with a small, soft brush. Do not clean with lens tissue or other cleaners. Do not remove mirror.

Your projector is lifetime lubricated by the manufacturer. No further lubrication is necessary.



CARE AND STORAGE OF FILM

Protect your film by storing it in cans and in a cool, dry place. Your film may be cleaned if necessary. Use a film cleaner specially made for this purpose. Occasionally a film may not be lubricated by the processor. Lack of film lubrication can cause unsteady pictures. If this occurs, lubricate the film. Movie film cleaner and lubricant can be purchased from your dealer.

KEEP YOUR MOVIES INTERESTING

Give your audience a treat by planning and organizing your movies for maximum interest. By careful editing you can provide continuity, eliminate uninteresting scenes and shorten lengthy scenes. Titles dress up your movies and help your audience identify your scenes. You can make your own titles by using pictures of road signs or hand-lettered cards.

Your films are usually returned from processing on 50-foot reels, but you can edit and splice together up to 400 feet of film for an uninterrupted showing with your EMDEKO Projector.

GUARANTEE

Your EMDEKO Movie Projector is guaranteed to be free from imperfections in workmanship and material for one year from date of original purchase. If within one year from the date of original purchase, any part of this equipment except the lamp or optical components is defective, it will be serviced or replaced. This guarantee does not apply to equipment which has been subjected to misuse, abuse or accident.

No liability is assumed for film which is damaged or is unsatisfactory for any reason. No liability is assumed for interruption in operation of the equipment.

If service is required, contact the dealer from whom the EMDEKO Projector was purchased. Or, if necessary, ship the EMDEKO Projector freight prepaid to National Housewares, Inc., 1260 East Vine Street, Salt Lake City, Utah, 84121. Defective material or parts covered by the guarantee will be replaced or repaired without cost to the owner, other than expenses of shipment to and from the service center.

IF YOU WISH TO RESHIP THIS PROJECTOR FOR ANY REASON, BE SURE TO REPACK IN ITS ORIGINAL CARTON. SEE INSTRUCTION SHEET INCLUDED WITH PROJECTOR.

REGISTER YOUR NEW

MODEL 7000

SUPER DUAL 8

AUTOMATIC MOVIE PROJECTOR

Fill out and mail the registration card now, being sure to include the model number and serial number of your projector (located on specification plate on bottom of main projector frame.) Retain a record of your projector numbers. This assures you the benefits of your guarantee, as well as positive identification in case of loss or theft.