

# WILSONWERKS ARCHIVES

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**HOW TO USE YOUR *Kerv-air 777***

automatic loading 8 mm movie projector with slow motion.

MANUFACTURED BY THE DeJUR-AMSCO CORPORATION, LONG ISLAND CITY, N. Y.

Pat. Pending ©DeJUR-Amsco Corporation

# **Korv<sup>777</sup>air**

Familiarize yourself with your KORVAIR Automatic Loading Projector. Keep the flap open as you read this booklet and you will be able to identify parts of your projector referred to in the instructions.

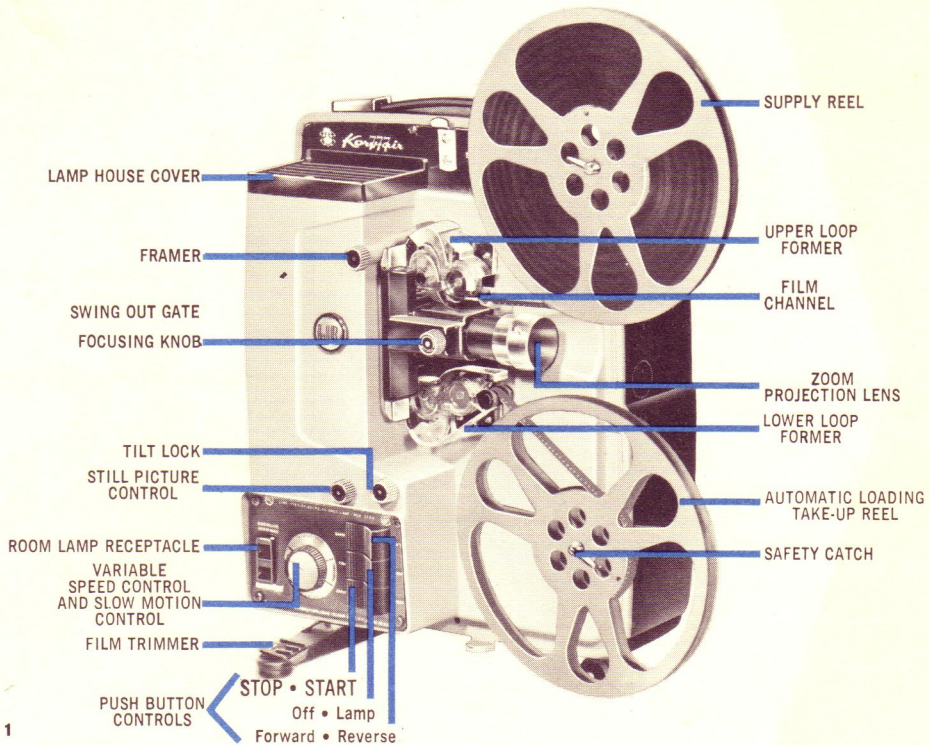
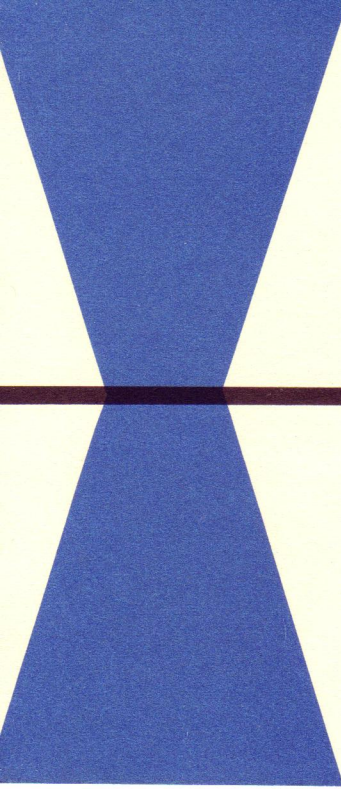


FIG. 1

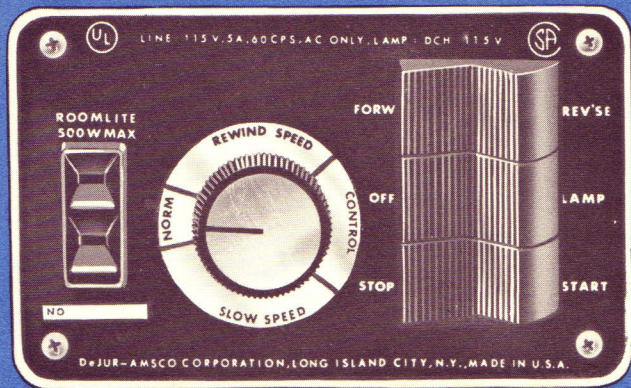
model 707



**Showing movies with your KORVAIR Automatic Loading Projector is as easy as A-B-C**

Set projector on a table or other firm support • Set screen up to receive the picture • Place reel of film on upper spindle • Place KORVAIR Automatic Loading take-up reel on lower spindle • Press loop setter down • Press "START" switch • Feed film leader into channel under upper sprocket wheel. Film will thread automatically and attach itself to the take-up reel • Press "LAMP" switch • Sit back and enjoy the show.

\* If film is being used for the first time or if it has a ragged end, square it with trimmer on rear foot of projector. Detailed instructions follow.



## POWER SUPPLY

The KORVAIR Automatic Loading Projector operates on 105-125 volt 50/60 cycle **alternating current only**. If you do not know the voltage in your line, or the type of current, ask your local electric service company.

## PROJECTION LAMP

A high output DCH projection lamp is used to provide maximum screen brightness and a cool running projector.

## ROOM LAMP RECEPTACLE

Plug any room lamp (500W max.) into the room lamp receptacle and it will go off automatically when the projection lamp goes on. When you are through projecting your film and you press the "STOP" button on the projector control panel the room lamp will go on again.

FIG. 2



FIG. 3

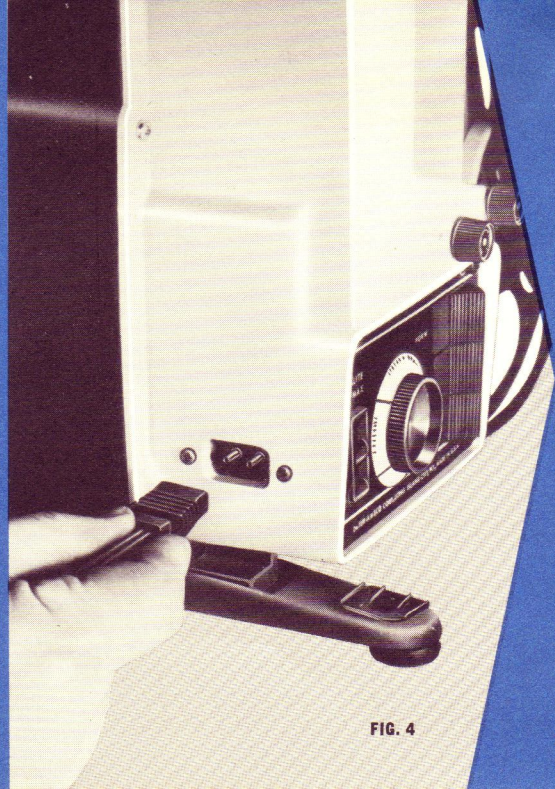


FIG. 4

## SETTING UP

1. Place projector on a steady table of convenient height. Set up screen to receive picture. For projector to screen distance follow table on page 6.
2. Press cover release button on underside of projector. (fig. 3)
3. Remove take-up reel from side cover. Unwind line cord. Place take-up reel on lower spindle and lock safety catch.
4. Plug line cord into receptacle at rear of projector. (fig. 4)
5. Plug room lamp into room lamp receptacle.
6. Set speed control knob to normal speed range.
7. Press "FORWARD" switch.
8. Press "START" switch. Motor will now start.
9. Press "LAMP" switch. Projection lamp will go on, room lamp will go off.
10. Rough focus by turning the focusing knob until the edges of the beam of light on the screen are sharp.
11. Adjust the size of the beam of light on the screen by grasping the outer ring of the zoom lens and moving it forward and back until the desired size is reached. Sharpen focus if necessary.
12. Loosen tilt lock knob and tilt projector until the beam is centered on the screen, then tighten knob.
13. Press "STOP" switch. Projection lamp will go off, motor will stop and room lamp will go on.

### NOTE:

If projector is run too slowly, a film-protection screen drops into the light beam causing a decrease in picture brightness. Increasing the speed of the projector will automatically raise the screen and the picture will return to normal brightness.



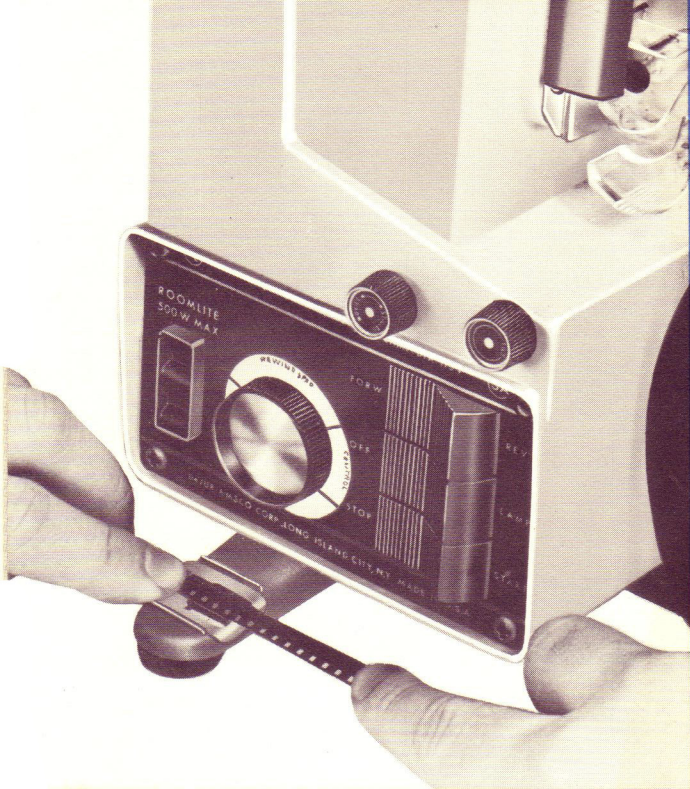


FIG. 5

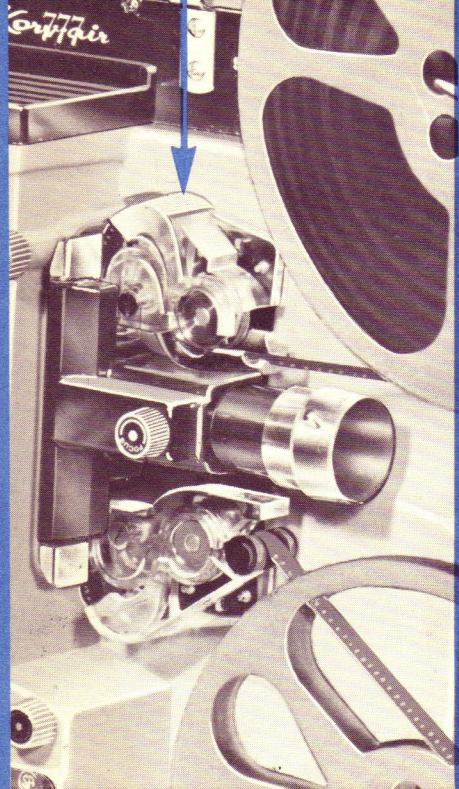


FIG. 6

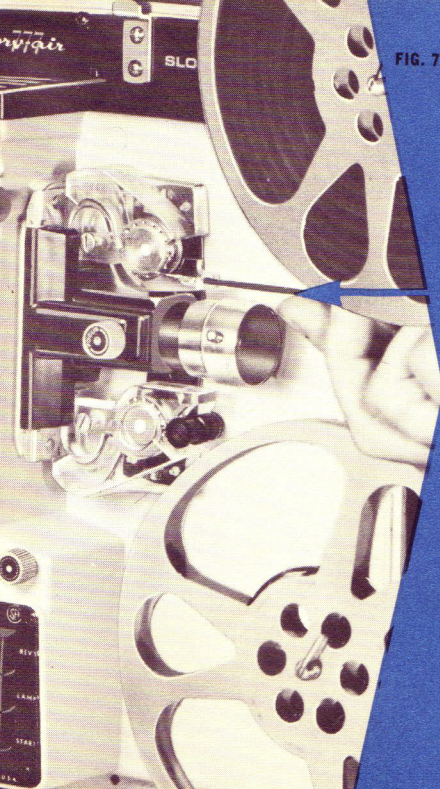


FIG. 7

## THREADING

1. Swing upper reel arm out to operating position.
2. Place reel of film to be projected on upper spindle making sure that the slot in the reel is engaged with the pin on the spindle. Snap safety catch on spindle to secure reel.
3. Make sure that automatic loading reel is secured on lower spindle.
4. If film is being run for the first time on your automatic loading projector or if the leader end is not square, square film on trimmer. (fig. 5)
5. Turn speed control to "NORM". Press the "FORWARD" switch, and the "START" switch.
6. Press down and close loop setters. (fig. 6)
7. Feed the leader end of the film into the film channel. (fig. 7) Film will thread itself completely, loop setters will open automatically and film will attach itself to the take-up reel.

## PROJECTED PICTURE SIZE

DISTANCE FROM PROJECTOR TO SCREEN (feet)	IMAGE SIZE ON SCREEN (inches)	
	Lens at Maximum	Lens at Minimum
5	17 X 23	10 X 13
8	27 X 33	16 X 19
10	34 X 46	20 X 26
12	41 X 50	24 X 29
15	51 X 69	30 X 40
20	68 X 92	40 X 52
25	85 X 115	50 X 65

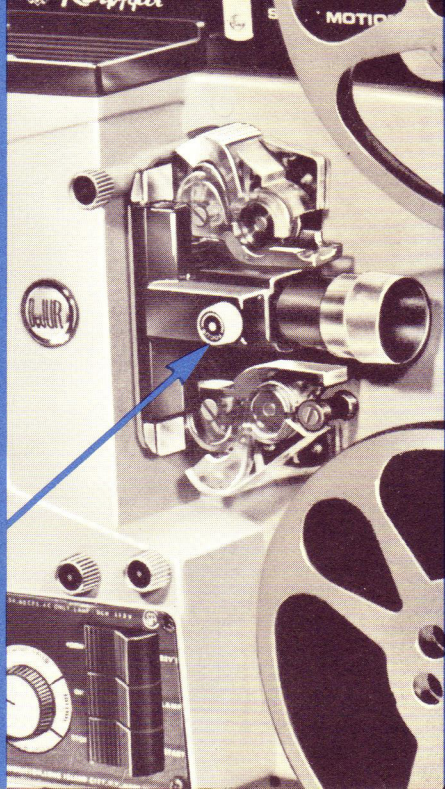


FIG. 9

FIG. 8

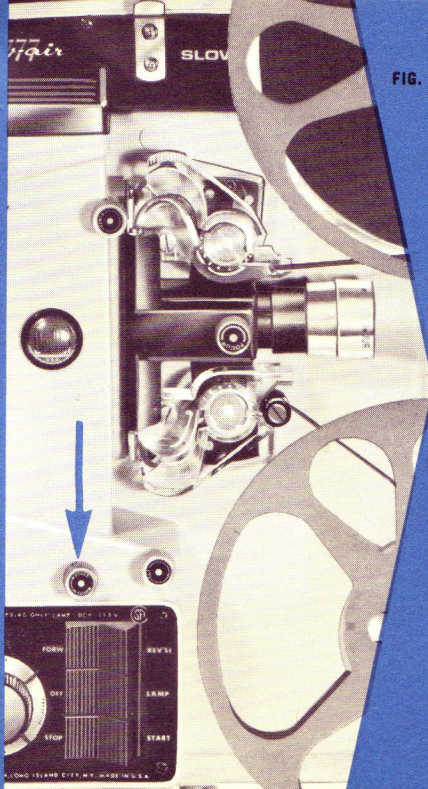


FIG. 10

## PROJECTION

1. Press "LAMP" switch.
2. Turn "FOCUSING KNOB" until the picture on the screen is sharp and clear. (fig. 8)
3. If part of another frame is visible on the top or bottom of the picture. Turn framer knob until picture is centered. (fig. 9)
4. To show a single frame and hold the "STILL" knob. (fig. 10)
5. To reverse the direction in which the film is moving press the REVERSE switch.
6. To increase speed turn the speed control toward rewind speed. To decrease speed turn the speed control toward slow speed.

## SLOW MOTION

For slow motion, turn the speed control to the slow zone range. Slowest motion can be obtained by turning the speed control counter clockwise to the flicker point and then back slowly until the flicker is reduced. This point on the speed control will vary slightly as the line voltage changes.



When the still knob is turned a film protection shutter falls into place. This reduces illumination on the screen. When the knob is released it moves up automatically.

FIG. 12

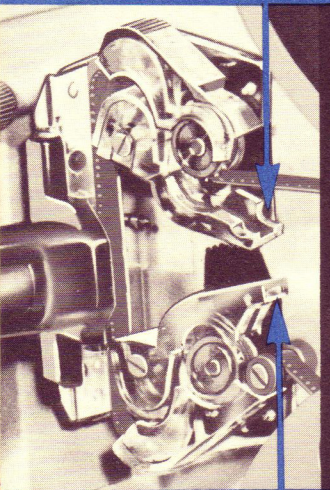
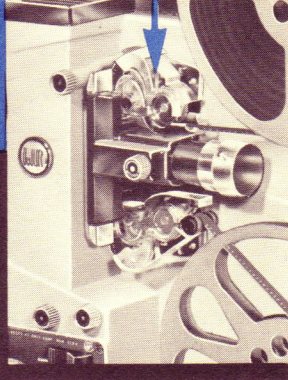


FIG. 11

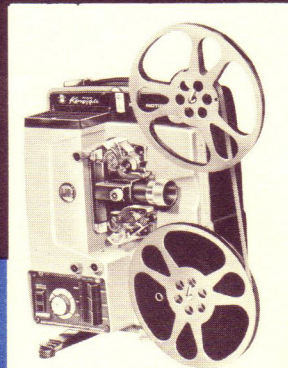


FIG. 13

## OPERATING TIPS

If the film loses its loop it can be reset without stopping the projector by pressing down on the loop setter. (fig. 12)

If loss of loop is due to torn perforations they should be cut out and the film spliced.

If the film breaks press the "OFF" switch. Unthread the projector, splice the film, rewind to the upper reel and rethread the projector.

Film that has not completely run through the projector can be removed as follows:

1. open swing-out lens mount.
2. press down on lower half of upper sprocket wheel guard and up on top half of lower sprocket wheel guard. (fig. 11)
3. slip film out from between sprockets and guards.

## REWINDING

Attach film from the lower reel to the slot in the upper reel. (fig. 13) Turn reel one turn counter clockwise to make sure that film is secured to reel. Set the speed control to the rewind zone. Press "REVERSE" switch.

After the film has been rewound press "STOP" switch.



FIG. 14

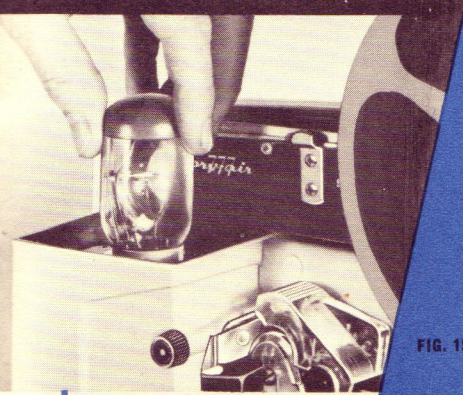


FIG. 15

## LAMP REPLACEMENT

If lamp should burn out during projection, wait for it to cool before touching it. Running projector motor by pressing the "START" button, will help cool the lamp more quickly.

1. After the lamp has cooled, disconnect the cord from the electrical outlet.
2. Remove screw from top of lamphouse cover (fig. 14) and remove cover.
3. Remove lamp by lifting it straight up. (DO NOT TWIST)
4. Insert new DCH projection lamp so that reflecting surface of mirror in the lamp is toward the lens.

Place center post of lamp into center hole of socket and rotate slightly until key on the center post locates in its socket slot. Press lamp all the way down until it seats on socket.

5. Replace lamphouse cover and replace screw.

## CLEANING PROJECTOR

The KORVAIR Automatic Loading Projector has been carefully designed to give long, trouble-free performance, but like any precision mechanism it should be given reasonable care.

With stiff brush remove tiny bits of film emulsion, fibres, and specks of dust that accumulate in the film channel then wipe clean with a soft lint-free cloth.

The tiny aperture in the film channel, through which the light passes to the film, is especially important. Dust specks and other foreign particles accumulate as the film is projected. These particles build up and eventually, if not removed, produce a ragged border on the screen image during projection. Brush aperture free of all such particles at frequent intervals.

All bearings in this projector are self-lubricating and require no oiling.

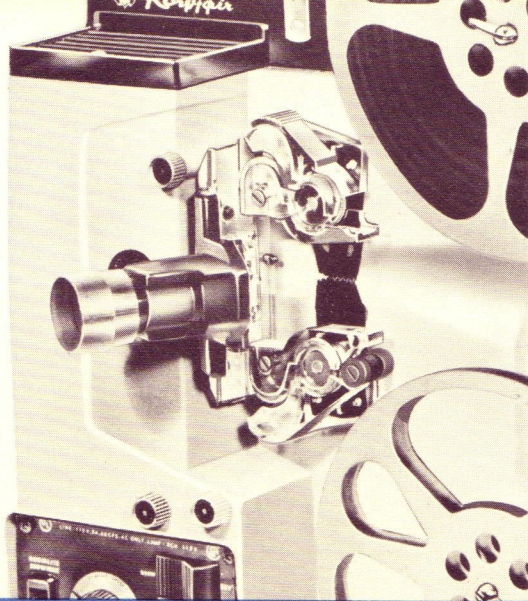


FIG. 16



FIG. 17

Screen Appearance—Clean and Dirty Gate



## CLEANING LENS

To clean the lens, pull focusing knob out and pull lens forward and out of its housing. Blow as much dust from the lenses as possible. Wrap a piece of soft lens-tissue around a pencil and brush the surface of the lenses gently. Breathing upon the lens deposits enough moisture to help the tissue pick up the dust. **DO NOT USE LIQUIDS. NEVER UNSCREW THE GLASS LENSES THEMSELVES FROM THE TUBE.** Clean only the outer surfaces of the front and back lenses.

**SERVICE**—The KORVAIR Automatic Loading Projector requires only ordinary care and attention. With such treatment, there should be no need for repairs, barring accidental damage. Should something go wrong, however, do not attempt repairs yourself! See your dealer or send the projector to the DeJUR service department for repair.

For safety in shipping, the original carton and inserts should be used. In the event these have become lost or destroyed a sturdy carton of at least four inches larger in all dimensions than the unit itself should be secured. Crushed newspaper or corrugated cardboard should be employed to protect the projector on all sides and thus insure its safe arrival at our factory. Shipment should be made via insured parcel post, prepaid.

A letter, bearing first class postage describing in detail your difficulty should be fastened to outside of carton. You will be notified of the receipt of projector and advised if there are any charges for placing it in operating condition.





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