Adjustments and Replacements for the Kodak Ektalite L6 and L8 OVERHEAD PROJECTORS

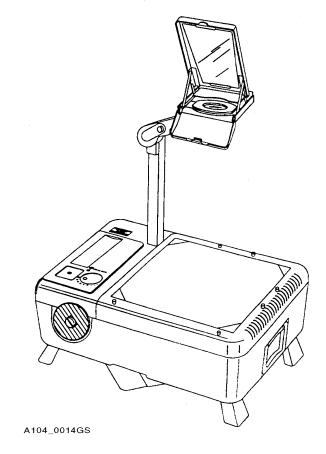


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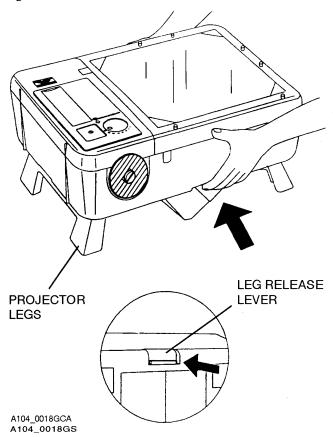
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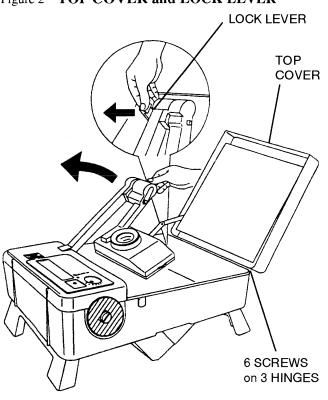
Section 1: Moving the PROJECTION ARM to the Project Position

Figure 1 PROJECTOR LEGS/RELEASE LEVER



[1] Lift the PROJECTOR up and press the LEG RELEASE LEVER to release the PROJECTOR LEGS.

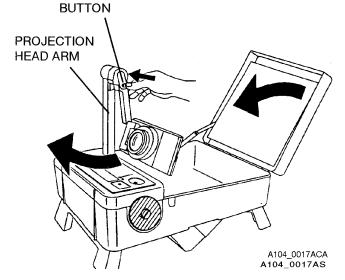
Figure 2 TOP COVER and LOCK LEVER



- [2] Open the TOP COVER.
- [3] Pull the LOCK LEVER back from the PROJECTION HEAD ARM to release the LEVER. Follow the direction of the arrow.
- [4] Lift the PROJECTION ARM up until it locks.

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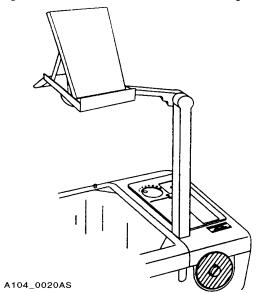
Figure 3 **Opening the PROJECTION HEAD ARM**ORANGE



[5] Push the ORANGE BUTTON on the PROJECTOR HEAD then move the PROJECTOR HEAD counterclockwise until it stops at the project position.

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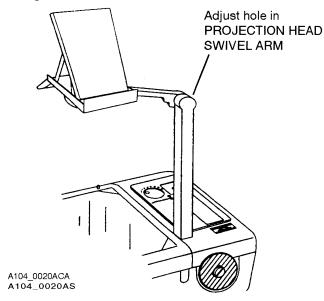
Figure 4 PROJECTION ARM in Project Position



[6] Open the PROJECTION MIRROR until it is fully open.

Section 2: Adjusting the Horizontal Position of the PROJECTION HEAD

Figure 5 Adjusting the Horizontal Position of the **PROJECTION HEAD**



- [1] Do the "Moving the PROJECTION ARM to the Project Position" procedure.
- [2] Energize the LAMP.
- [3] Adjust the MIRROR.
- [4] Observe the image on the screen. If the image is out of balance, insert an *Allen* WRENCH through the hole and adjust the PROJECTION HEAD SWIVEL ARM until the image is correct.

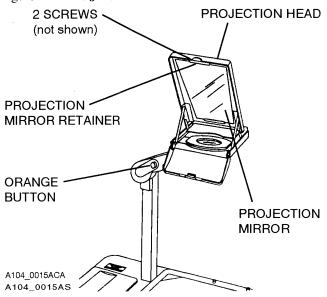
Section 3: Adjusting PROJECTOR Illumination

- [1] Do the "Moving the PROJECTION ARM to the Project Position" procedure.
- [2] Move the FOLD MIRROR until it is completely down.
- [3] Open the PROJECTION MIRROR COVER.
- [4] Adjust the PROJECTION MIRROR until it is 45° above the horizon.
- [5] Aim the PROJECTOR at the screen.
- [6] To adjust for even illumination, loosen the 2 SCREWS under the CORPORATE SYMBOL on the PROJECTION HEAD and move the PROJECTION HEAD left or right until the light from the FRESNEL LENS can go through the center of the PROJECTION LENS.
- [7] After you have obtained the correct illumination, tighten the 2 SCREWS under the CORPORATE SYMBOL on the PROJECTION HEAD.
- [8] If the illumination is still not correct, see the LAMP diagnostics in the Diagnostic section.

Section 4: Replacing the PROJECTION MIRROR

Removing the PROJECTION MIRROR

Figure 6 **PROJECTION MIRROR**



- [1] Do the "Moving the PROJECTION ARM to the Project Position" procedure.
- [2] Remove the 2 small SCREWS from the PROJECTION MIRROR RETAINER then remove the RETAINER.
- [3] Remove the PROJECTION MIRROR.

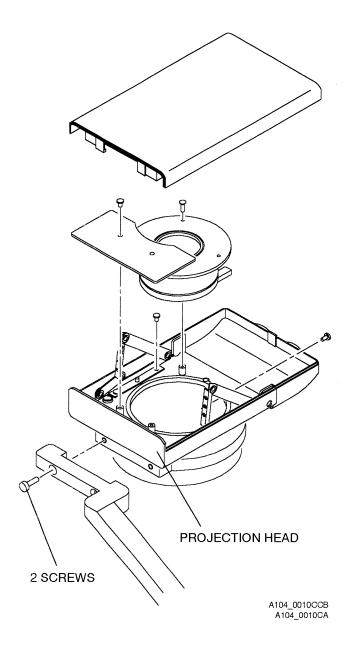
Installing the PROJECTION MIRROR

[1] Do the "Removing the PROJECTION MIRROR" procedure above in reverse order.

Section 5: Replacing the PROJECTION LENS

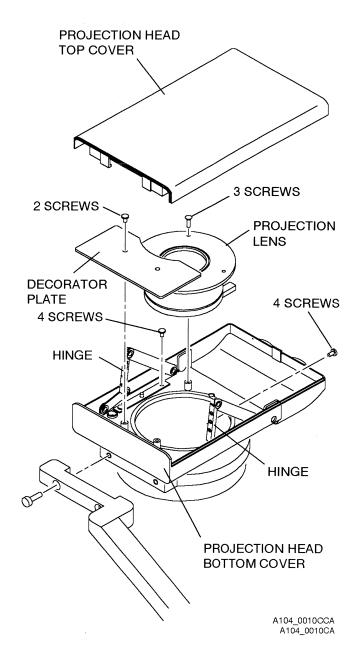
Removing the PROJECTION LENS

Figure 7 PROJECTION HEAD



- [1] Do the "Moving the PROJECTION ARM to the Project Position" procedure.
- [2] Remove the 2 large SCREWS on the back of the PROJECTION HEAD under the corporate symbol.

Figure 8 PROJECTION HEAD





Caution

Do not make scratches or cause damage to the PROJECTION LENS.

- [3] Set the PROJECTION HEAD on a flat surface with the LENS down.
- [4] Open the PROJECTION HEAD TOP COVER.
- [5] Remove the 4 SCREWS through the 4 HINGES on the bottom of the PROJECTION HEAD.
- [6] Turn the PROJECTION HEAD over.
- [7] Lift the PROJECTION HEAD TOP COVER and MIRROR up and move out of the way.
- [8] Remove 2 SCREWS from the DECORATOR PLATE then remove the DECORATOR PLATE.
- [9] Remove the 3 SCREWS from the PROJECTION LENS.
- [10] Pull the PROJECTION LENS up and out.
- [11] Remove the PROJECTION LENS.

Note

If the HINGES on the PROJECTION HEAD BOTTOM COVER are bent, remove the SCREWS from both the LEFT (2 SCREWS) and RIGHT (2 SCREWS) HINGES then remove the HINGES.

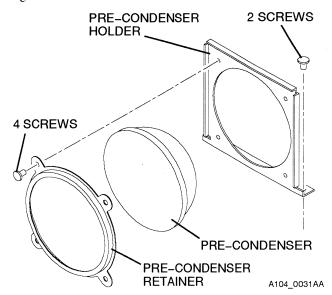
Installing the PROJECTION LENS

[1] Do the "Removing the PROJECTION LENS" procedure above in reverse order.

Section 6: Replacing the PRE-CONDENSER

Removing the PRE-CONDENSER

Figure 9 **PRE-CONDENSER**





Warning

The LAMP might be hot. Use caution.

- [1] Open the TOP COVER and the LAMP COMPARTMENT COVER.
- [2] Remove:
 - 2 SCREWS from the bottom of the PRE-CONDENSER HOLDER on the LAMP ASSEMBLY
 - PRE-CONDENSER HOLDER
 - 4 SCREWS from the PRE-CONDENSER RETAINER
 - PRE-CONDENSER

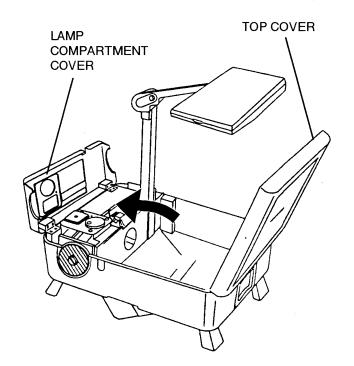
Installing the PRE-CONDENSER

Do the "Removing the PRE-CONDENSER" procedure above in reverse order.

Section 7: LAMP and TERMINAL ASSEMBLY and LAMP SOCKETS

Removing the LAMP and TERMINAL ASSEMBLY and LAMP SOCKETS

Figure 10 TOP COVER and LAMP COMPARTMENT COVER



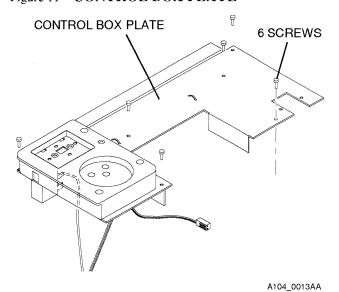


The LAMP are might be hot. Use caution.

[1] Open the TOP COVER and the LAMP COMPARTMENT COVER.

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Figure 11 **CONTROL BOX PLATE**



- [2] Remove the 6 SCREWS and the GROUNDING SCREW from the CONTROL BOX PLATE then lift the CONTROL BOX PLATE up.
- [3] Do the "Removing the PRE-CONDENSER" procedure.



Warning

The LAMPS might be hot. Use caution.

- [4] Remove:
 - 2 LAMPS
 - · 4 SCREWS from the LAMP and TERMINAL ASSEMBLY
 - 2 SCREWS from the MICROSWITCH PLATE
 - POWER SUPPLY and INSULATOR
- [5] Move the LAMP and TERMINAL ASSEMBLY forward then lift the POWER SUPPLY and POWER SUPPLY BRACKET up and out of the way.
- [6] Disconnect the 2 white wires on the POWER SUPPLY BOARD (CON 7).
- [7] Cut the WIRE TIE on the INSULATOR connected to the BOTTOM PLATE.
- [8] Remove the LAMP and TERMINAL ASSEMBLY.

Figure 12 LAMP and TERMINAL ASSEMBLY

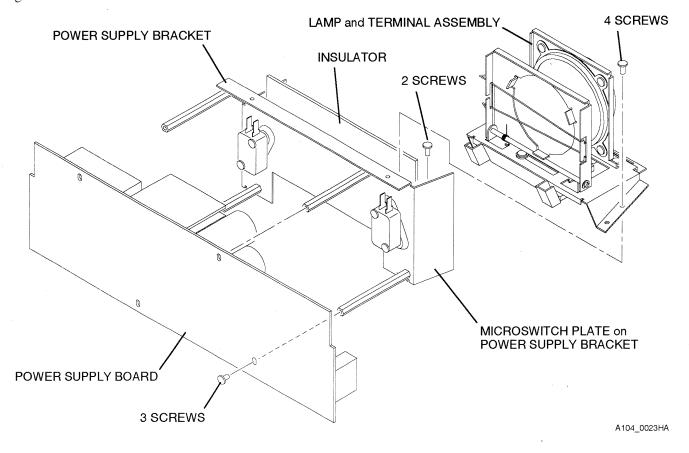
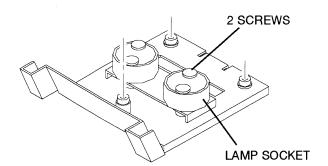


Figure 13 LAMP SOCKETS



To install a new LAMP SOCKET, remove the 2 SCREWS on each LAMP SOCKET.



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Installing a LAMP and TERMINAL ASSEMBLY and LAMP SOCKETS

Do the "Removing the LAMP and TERMINAL ASSEMBLY and LAMP SOCKETS" procedure in reverse order.

Adjustment Specification

Voltage across LAMP = 36.6 V AC for an EVD LAMP

PC BOARD output voltage between CN7 and CN8 in True RMS V AC for 220/240 V model = 38.4 V AC

Adjusting the LAMP (TRIMMER SVR 1) Voltage, Model L8 Only



Important

It is not usually necessary to adjust the voltage of the LAMP after repair, even if the POWER TRANSISTORS have been replaced. If a new TRIMMER SVR 1 has been installed, it is necessary to adjust it to the correct LAMP voltage. Do not attempt to adjust the TRIMMER SVR 1 if a new TRIMMER SVR 1 has not been installed. SVR 1 is pre-set during manufacturing and is difficult to rotate.

- [1] De-energize the PROJECTOR.
- [2] Connect the PC BOARD output terminals (CN7 and CN8) to the LAMP SOCKET.



Important

Use a True RMS DVM only. Do not use a conventional DVM or V.O.M. for the test.

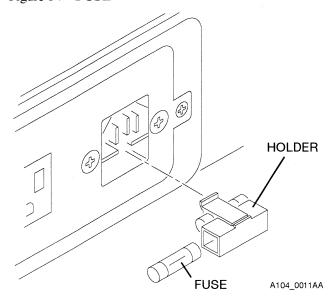
- [3] Connect the test probes of a True RMS DVM to the LAMP SOCKET.
- [4] Install a new TRIMMER (SVR 200 ohm) then rotate the TRIMMER fully counterclockwise for the minimum setting.
- [5] Energize the PROJECTOR.
- [6] Adjust the TRIMMER SVR 1 slowly until you obtain the correct lamp voltage of 36.6 V AC.
- [7] If it is not possible to reach the LAMP SOCKET using the test probes, measure the output voltage of the PC BOARD between CN7 and CN8. The output voltage should be as listed below.
 - 220 V to 240 V = 38.4 V AC (this voltage reflects the voltage decrease of the LAMP CABLE). The actual voltage across the LAMP is equivalent to 36.6 V AC for an EVD LAMP. See the Diagram Package, Publication DG6823-1.

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Section 8: Replacing the FUSE

Removing the FUSE

Figure 14 FUSE



- [1] Use a small FLAT BLADE SCREWDRIVER to remove the MAINS 10 AMP FUSE from the FUSE HOLDER.
- [2] Push the FUSE out of the HOLDER and remove the FUSE.

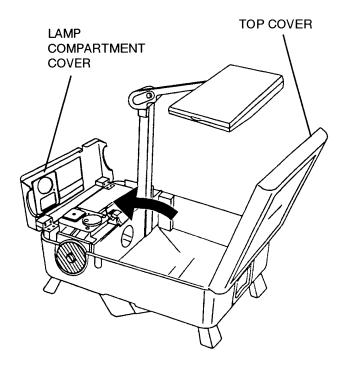
Installing the FUSE

Do the "Removing the FUSE" procedure above in reverse order.

Section 9: Replacing the THERMOSTAT

Removing the THERMOSTAT

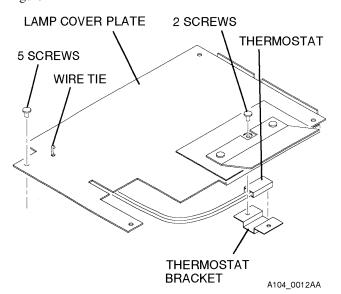
Figure 15 TOP COVER and LAMP COMPARTMENT COVER



[1] Open the TOP COVER and LAMP COMPARTMENT COVER.

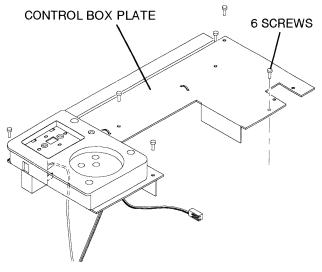
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Figure 16 LAMP COVER PLATE



- [2] Remove the 5 SCREWS from the LAMP COVER PLATE then remove the LAMP COVER PLATE.
- [3] Loosen the 2 SCREWS on the THERMOSTAT BRACKET then slide the THERMOSTAT out from under the BRACKET.
- [4] Cut the WIRE TIE on the LAMP COVER PLATE.

Figure 17 **CONTROL BOX PLATE**



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- [5] Remove the 6 SCREWS from the CONTROL BOX PLATE then lift the CONTROL BOX PLATE up.
- [6] Do the "Removing the POWER SUPPLY" procedure.
- [7] Do the "Removing the LAMP and TERMINAL ASSEMBLY and LAMP SOCKETS" procedure.
- [8] Pull the THERMOSTAT wire up and out of the PROJECTOR LOWER HOUSING.
- [9] Disconnect the THERMOSTAT wire behind the POWER SUPPLY from the SAFETY MICROSWITCH and POWER SWITCH on the CONTROL BOX.
- [10] Remove the THERMOSTAT.

Installing the THERMOSTAT

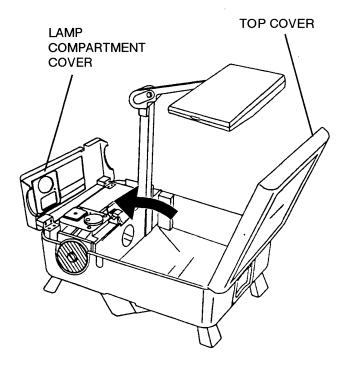
Do the "Removing the THERMOSTAT" procedure above in reverse order.

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Section 10: Replacing the POWER SUPPLY

Removing the POWER SUPPLY

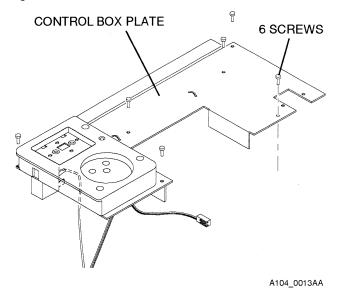
Figure 18 TOP COVER and LAMP COMPARTMENT COVER



[1] Open the TOP COVER and the LAMP COMPARTMENT COVER.

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Figure 19 CONTROL BOX PLATE



- [2] Remove the 6 SCREWS and GROUNDING SCREW from the CONTROL BOX PLATE then lift the CONTROL BOX PLATE up.
- [3] Do the "Removing the PRE-CONDENSER" procedure.

[4] Remove:

- the 2 SCREWS from each side of the LAMP and TERMINAL ASSEMBLY
- POWER SUPPLY INSULATOR
- [5] Move the LAMP and TERMINAL ASSEMBLY forward.
- [6] Remove the 2 SCREWS on the POWER SUPPLY BRACKET.
- [7] Lift the POWER SUPPLY, CONTROL BOX, and POWER SUPPLY BOARD up and out of the way.
- [8] Disconnect the 2 white CONNECTORS coming from the LAMP and TERMINAL ASSEMBLY going to the POWER SUPPLY BOARD (CON 7).



Important

If you remove all 3 SCREWS in the step below, the SPACER POSTS will fall off.

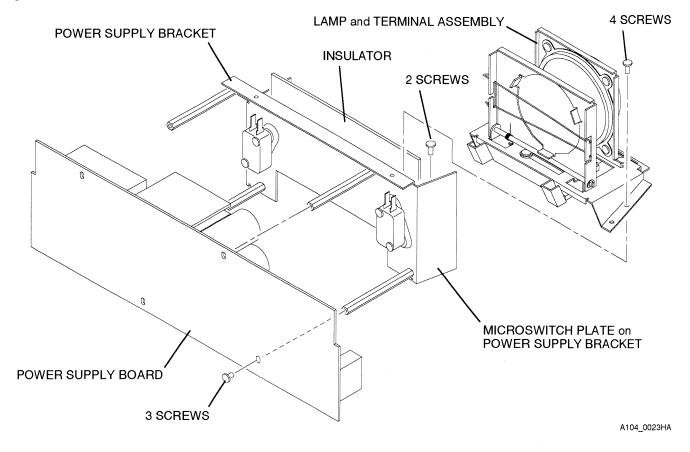
- [9] Remove the 2 front SCREWS form the top of the MICROSWITCH PLATE.
- [10] Rotate the MICROSWITCH PLATE 180°.
- [11] Remove the 2 SCREWS from the 2 SPACER POSTS on the POWER SUPPLY BOARD.
- [12] Disconnect on the POWER SUPPLY BOARD:
 - the LAMP DIMMER POTENTIOMETER (D21) on the POWER SUPPLY BOARD
 - POWER SWITCH (CON 1)
 - MICROSWITCH HARNESS (CON 8)



If it is necessary to install new LAMP MICROSWITCHES, remove the 2 SCREWS on each MICROSWITCH on the POWER SUPPLY BRACKET.

- [13] Disconnect: the yellow and blue wires from the LED on the POWER SUPPLY BOARD
 - the yellow and blue wires from the LED on the POWER SUPPLY BOARD
 - 2 black and red CONNECTORS from the 2 FAN ASSEMBLIES
- [14] Remove the POWER SUPPLY BOARD. See the Figure on the next page.

Figure 20 **POWER SUPPLY**



Installing the POWER SUPPLY

Do the "Removing the POWER SUPPLY" procedure above in reverse order.

Section 11: Replacing the FAN ASSEMBLIES

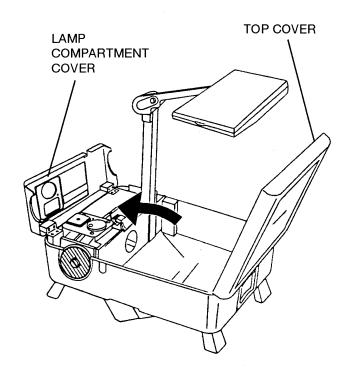
FAN ASSEMBLY Voltage

The voltage for the FAN VOLTAGE TRANSFORMER PINS 17 and 18 is 30.4 V DC.

Removing the FAN ASSEMBLY on the PROJECTION ARM Side

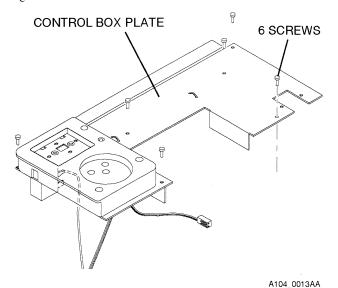
Figure 21 TOP COVER and LAMP COMPARTMENT COVER

[1] Open the TOP COVER and the LAMP COMPARTMENT COVER.



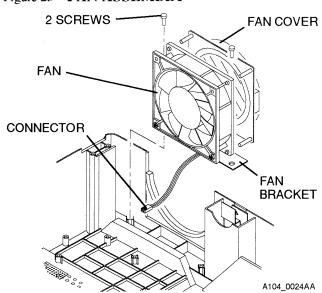
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Figure 22 **CONTROL BOX PLATE**



[2] Remove the 6 SCREWS and GROUNDING SCREW from the CONTROL BOX PLATE then lift the CONTROL BOX PLATE up.

Figure 23 FAN ASSEMBLY



- [3] Remove the 2 SCREWS from the FAN BRACKET on the BOTTOM HOUSING then lift the FAN ASSEMBLY up.
- [4] Remove:
 - FAN COVER
 - 2 SCREWS on the FAN BRACKET
 - FAN
- [5] Disconnect the black and red FAN CONNECTOR from the POWER SUPPLY BOARD.
- [6] Remove the FAN.

Installing the FAN ASSEMBLY on the PROJECTION ARM Side

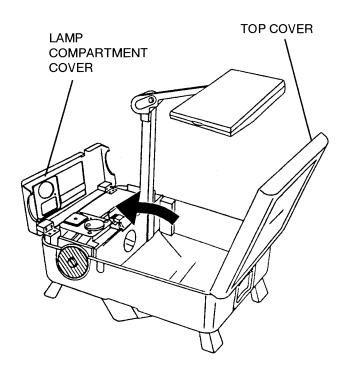
Do the "Removing the FAN ASSEMBLY on the PROJECTION ARM Side" procedure in reverse order.

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Removing the FAN ASSEMBLY on the POWER SWITCH Side

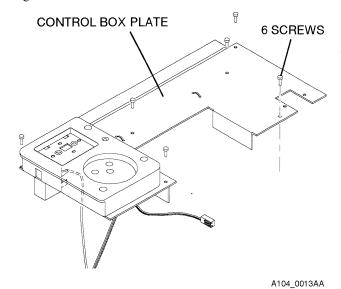
Figure 24 TOP COVER and LAMP COMPARTMENT COVER





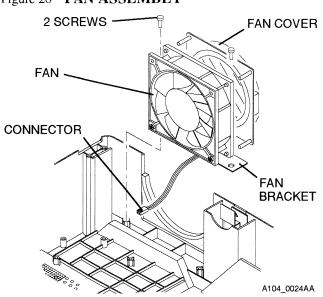
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Figure 25 CONTROL BOX PLATE



[2] Remove the 6 SCREWS and GROUNDING SCREW from the CONTROL BOX PLATE then lift the CONTROL BOX PLATE up.

Figure 26 FAN ASSEMBLY



- [3] Remove the 2 SCREWS form the FAN BRACKET on the BOTTOM HOUSING then lift the FAN ASSEMBLY up.
- [4] Do the "Removing the PRE-CONDENSER",
 "Removing the LAMP and TERMINAL
 ASSEMBLY and LAMP SOCKETS", and
 "Removing the POWER SUPPLY" procedures.
- [5] Remove the 2 SCREWS from the FAN BRACKET on the LOWER HOUSING then pull the FAN BRACKET up.
- [6] Remove the FAN COVER.
- [7] Remove the 2 SCREWS on the FAN BRACKET holding the FAN to the FAN BRACKET.
- [8] Disconnect the black and red FAN CONNECTOR going to the POWER SUPPLY.
- [9] Remove the FAN.

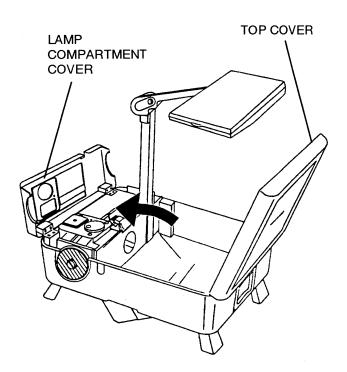
Installing the FAN ASSEMBLY on the POWER SWITCH Side

Do the "Removing the FAN ASSEMBLY on the POWER SWITCH Side" procedure above in reverse order.

Section 12: Replacing the REFLECTOR

Removing the REFLECTOR

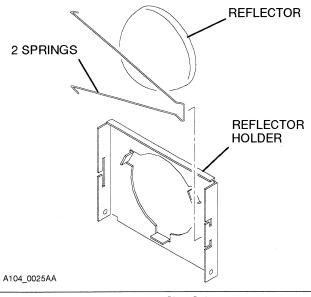
Figure 27 TOP COVER and LAMP COMPARTMENT COVER



[1] Open the TOP COVER and the LAMP COMPARTMENT COVER.

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Figure 28 **REFLECTOR**



- [2] Slide the 2 SPRINGS down and to the center of the REFLECTOR HOLDER, which releases the REFLECTOR.
- [3] Remove the REFLECTOR.

Installing the REFLECTOR

Do the "Removing the REFLECTOR" procedure above in reverse order.

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Section 13: Replacing the STAGE GLASS

Removing the STAGE GLASS



Caution

Do not make scratches or cause damage to the FRESNEL LENS or STAGE GLASS. Carefully handle the parts with caution.

[1] Remove:

- FRESNEL LENS
- 2 SCREWS from the STAGE GLASS BRACKET



Warning

After you remove the 2 SCREWS in the step below, the STAGE should fall down. Handle the STAGE with caution.

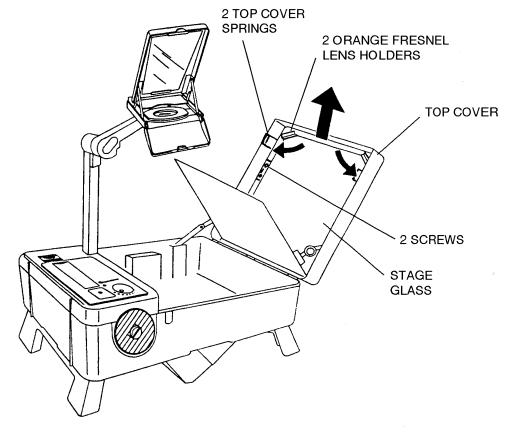


Caution

Do not make scratches or cause damage to the STAGE GLASS. Carefully handle the STAGE GLASS with caution.

- [2] Place the STAGE GLASS on a flat surface.
- [3] Lift the MIRROR BRACKET up and out of the way.
- [4] Remove:
- 2 SCREWS from the STAGE GLASS
- STAGE GLASS

Figure 29 STAGE GLASS



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Installing the STAGE GLASS



Clean the STAGE GLASS with a LINT FREE CLOTH and ALCOHOL before installing the FRESNEL LENS. Check that the STAGE GLASS is locked in the correct position.

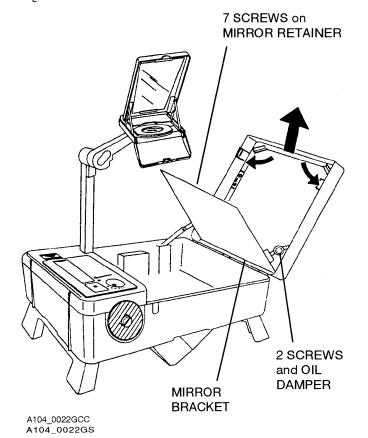
Check that the STAGE GLASS is locked in position.

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Section 14: Replacing the MIRROR

Removing the MIRROR

Figure 30 MIRROR





Caution

To clean the STAGE MIRROR, use a LINT-FREE CLOTH and mild soap and water. Do not use alcohol.

[1] Open the TOP COVER.



Caution

After you remove the 2 SCREWS from the OIL DAMPER, the MIRROR BRACKET will fall backward.

[2] Remove:

- 2 SCREWS from the OIL DAMPER on the MIRROR BRACKET
- 4 SCREWS from the top of the MIRROR RETAINER
- [3] Loosen the 3 SCREWS from the bottom of the MIRROR RETAINER.
- [4] Remove the MIRROR.

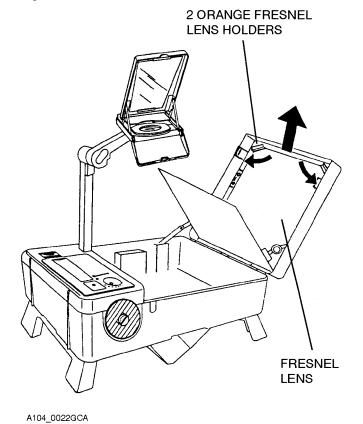
Installing the MIRROR

Do the "Removing the STAGE MIRROR" procedure above in reverse order.

Section 15: Replacing the FRESNEL LENS

Removing the FRESNEL LENS

Figure 31 FRESNEL LENS



- [1] Open the TOP COVER.
- [2] Rotate the 2 ORANGE FRESNEL LENS HOLDERS to release the FRESNEL LENS.
- [3] Remove the FRESNEL LENS.

Installing the FRESNEL LENS

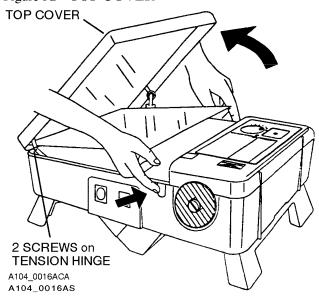
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Do the "Removing the FRESNEL LENS" procedure above in reverse order.

Section 16: Replacing the TOP COVER

Removing the TOP COVER

Figure 32 **TOP COVER**





Caution

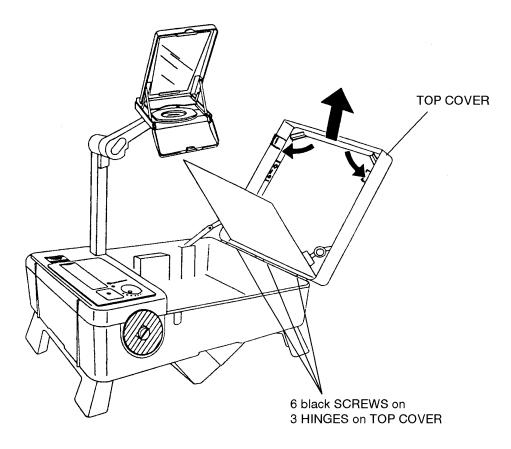
Do not make scratches or cause damage to the STAGE GLASS. Handle

- [1] Open the TOP COVER.
- [2] Remove the 2 SCREWS from the TENSION HINGE on the TOP COVER BRACKET.

[3] Remove:

- 6 black SCREWS from the 3 HINGES on the TOP COVER
 - 2 left
 - 2 right
 - 2 center

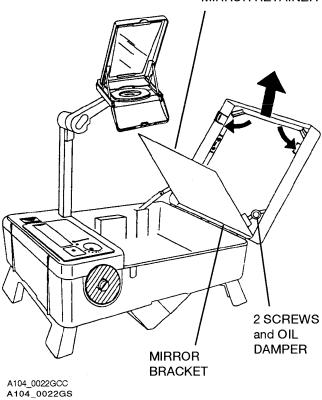
Figure 33 TOP COVER and HINGES



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Figure 34 MIRROR BRACKET and RETAINER



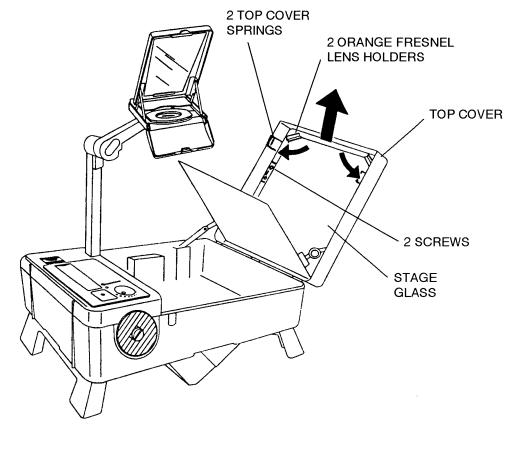


- [4] Lift the TOP COVER and STAGE GLASS off the PROJECTOR. Set the STAGE GLASS on a flat surface.
- [5] Remove:
 - 2 SCREWS from the OIL DAMPER ASSEMBLY
 - 4 lower SCREWS from the MIRROR BRACKET HINGE
 - 2 left
 - 2 right
- [6] Remove the MIRROR BRACKET.
- [7] Do the "Removing the FRESNEL LENS" and "Removing the STAGE GLASS" procedures.

[8] Remove:

- 4 SCREWS from the TOP COVER SPRINGS (2 each SPRING)
- 2 TOP COVER SPRINGS
- 2 SCREWS from the ORANGE FRESNEL LENS HOLDERS
- 2 FRESNELS LENS HOLDERS
- TOP COVER

Figure 35 TOP COVER



Installing the TOP COVER

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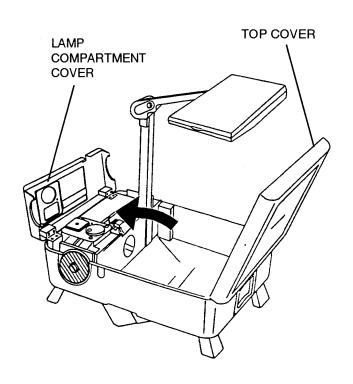
Do the "Removing the TOP COVER" procedure above in reverse order.

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Section 17: Replacing the PROJECTION HEAD ARM

Removing the PROJECTION HEAD ARM

Figure 36 TOP COVER and LAMP COMPARTMENT COVER



[1] Do the "Moving the PROJECTION ARM to the Project Position" procedure.



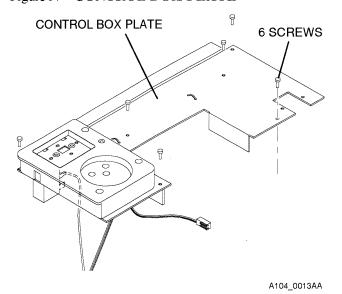
Caution

There is a SPRING under tension behind the SILVER BUTTON on the SWIVEL ARM. Before you remove the 2 SCREWS from the SWIVEL ARM and pull the SWIVEL ARM up, move the PROJECTOR on its side so the SPRING does not fall into the POLE.

- [2] Remove the 2 SCREWS from the SWIVEL ARM.
- [3] Open the LAMP COMPARTMENT COVER.

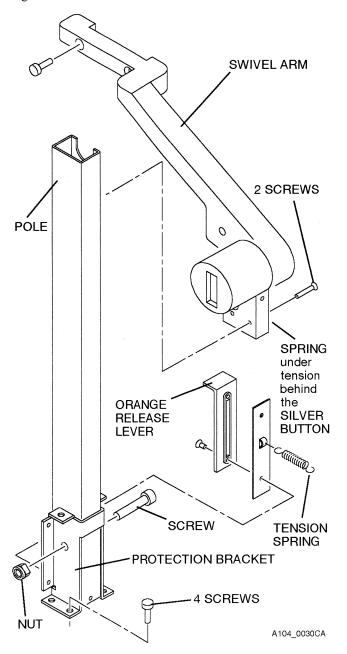
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Figure 37 **CONTROL BOX PLATE**



[4] Remove the 6 SCREWS and GROUNDING SCREW from the CONTROL BOX PLATE then lift the CONTROL BOX PLATE up.

Figure 38 **PROJECTION HEAD ARM**



- [5] Remove the 4 SCREWS from the PROJECTION ARM BRACKET then lift the PROJECTION HEAD ARM BRACKET up and out of the LOWER HOUSING.
- [6] Disconnect the TENSION SPRING from the ORANGE RELEASE LEVER at the bottom of the PROJECTION ARM.
- [7] Remove the TENSION SPRING.
- [8] Remove the SCREW and NUT from the BRACKET and POLE.
- [9] Pull the PROJECTION HEAD ARM out of the PROJECTION BRACKET.
- [10] Remove:
 - 2 SCREWS from the ORANGE RELEASE LEVER
 - PROJECTION HEAD ARM

Installing the PROJECTION HEAD ARM

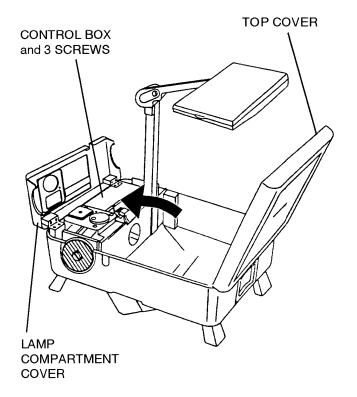
Do the "Removing the PROJECTION HEAD ARM" procedure above in reverse order.

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Section 18: Replacing the POWER SWITCH

Removing the POWER SWITCH

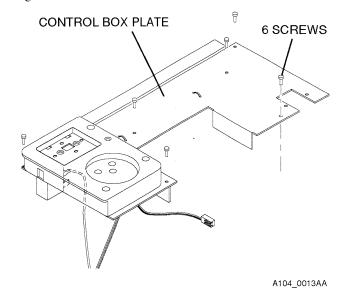
Figure 39 TOP COVER, LAMP COMPARTMENT **COVER and CONTROL BOX**



- [1] Open the TOP COVER and the LAMP COMPARTMENT COVER.
- [2] Remove the 3 SCREWS from the CONTROL BOX.

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Figure 40 **CONTROL BOX PLATE**



Caution

There is a SPRING between the ORANGE BUTTON and POWER SWITCH. Do not drop the SPRING.

[3] Remove the 6 SCREWS and GROUNDING

lift the CONTROL BOX PLATE up. [4] Disconnect the 2 black power wires from the POWER SWITCH under the CONTROL BOX

SCREW from the CONTROL BOX PLATE then

[5] Remove:

PLATE.

- 2 SCREWS from the POWER SWITCH
- · POWER SWITCH

Installing the POWER SWITCH

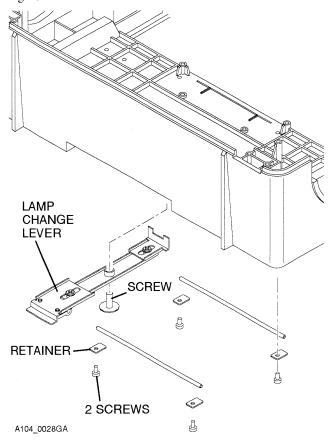
Do the "Removing the POWER SWITCH" procedure above in reverse order.

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Section 19: Replacing the LAMP CHANGE ASSEMBLY

Removing the LAMP CHANGE ASSEMBLY

Figure 41 LAMP CHANGE ASSEMBLY



- [1] Rotate the PROJECTOR 180°.
- [2] Remove the SCREW from the LAMP CHANGE LEVER.
- [3] Loosen the 2 SCREWS on the 2 RETAINERS
- [4] Slide the RETAINER off the SHAFT.
- [5] Lift the LAMP CHANGE ASSEMBLY up and remove.

Installing the LAMP CHANGE ASSEMBLY

Do the "Removing the LAMP CHANGE ASSEMBLY" procedure above in reverse order.

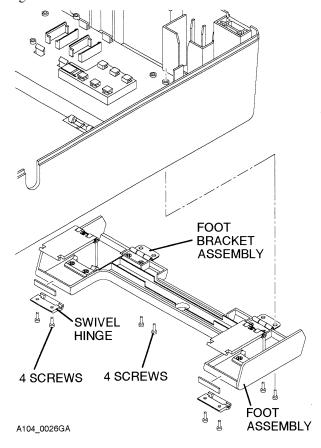
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Section 20: Replacing the FOOT ASSEMBLIES

Removing the FOOT ASSEMBLIES

Figure 42 **FOOT ASSEMBLIES**



- [1] Rotate the PROJECTOR 180°.
- [2] Remove:
 - 4 SCREWS from the FOOT BRACKET ASSEMBLY
 - 2 on left
 - 2 on right
 - 4 SCREWS from the SWIVEL HINGE
 - 2 on left
 - 2 on right
 - · LEFT and RIGHT FEET

Installing the FOOT ASSEMBLIES

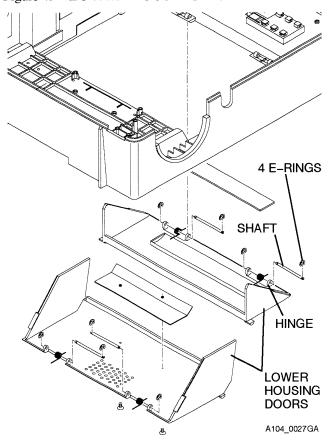
Do the "Replacing the FOOT ASSEMBLIES" procedure above in reverse order.

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Section 21: Replacing the LOWER HOUSING DOORS

Removing the LOWER HOUSING DOORS

Figure 43 LOWER HOUSING DOORS



[1] Do the "Moving the PROJECTION ARM to the Project Position" procedure.



Caution

There is a SPRING under tension on each SHAFT on the LOWER HOUSING HINGES. Do not drop the SPRINGS.

- [2] Remove the 4 E-RINGS from the SHAFT on the LOWER HOUSING HINGE:
 - 2 on left
 - 2 on right
- [3] Move the SHAFT out of the 2 HINGES then remove the LOWER HOUSING DOORS.

Installing the LOWER HOUSING DOORS

Do the "Removing the LOWER HOUSING DOORS" procedure above in reverse order.

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Section 22: Specifications and Features

 Table 1
 Specifications and Features

Description	Model L6	Model L8
Input Voltage	207-253 V AC, 50 HZ	207-253 V AC, 50 HZ
LAMP	EHJ, 250 W, 24 V AC	EVD, 400 W, 36 V AC
PROJECTION LENS	Vari-focal triplet, f=275-320 mm	Vari-focal triplet, f=275-320 mm
Lumen Output	2500	4000
Projection Distance (M)	1.1-3.1 M	1.1-3.1 M
Magnification	2.8-8.6	2.8-8.6
Stage size	285 x 285 mm (11.22 x 11.22 in.)	285 x 285 mm (11.22 x 11.22 in.)
Safety Thermostat	Yes	Yes
Safety Switch	Yes	Yes
Cooling System	Yes	Yes
AC Outlet for LCD PANEL	No	Yes
Brightness Control	No	Yes
Soft Start	Yes	Yes
Voltage Regulator	Yes	Yes
Spare Lamp Indicator	No	Yes
Lamp Changer	Yes	Yes
Adjustable Ventilator	Yes	Yes
Revolving PROJECTION HEAD, 180°	No	Yes
Holder Pin	Yes	Yes
Power Cord Length	4.6 m (15 ft.) orange	4.6 m (15 ft.) orange
PROJECTOR Dimensions	490 x 360 x 126 mm (19.3 x 14.2 x 5.0 in.)	490 x 360 x 126 mm (19.3 x 14.2 x 5.0 in.)
PROJECTOR Weight	8.6 kg (19.1 lbs.)	8.6 kg (19.1 lbs.)
Third LAMP Storage	Yes	Yes
Accessory	Soft Cover	Soft Cover

Section 23: Diagnostics

Table 2 Diagnostics

Malfunction	Possible Cause	Procedure
The POWER SWITCH is on, but the PROJECTOR does not operate.	1. The PROJECTOR is not set up correctly.	Lift the POST completely up then close the STAGE COVER,
	2. The UNDER CARRIAGE DOOR is not open.3. The POWER CORD is not	2. Check that the UNDER CARRIAGE DOOR is completely open.
	connected.4. The STORAGE COVER is not closed completely.	3. Connect the POWER CORD and check that the POWER CORD is connected to a POWER OUTLET.
		4. Close the STAGE COVER completely.
The POWER SWITCH is on but the LAMP does not energize.	The LAMPS are not set correctly in the LAMP	Set the LAMPS in the LAMP HOUSING.
	HOUSING. 2. The LAMP is burnt out.	2. Disconnect the POWER CORD and move the LAMP to the
	3. The SPARE LAMP INDICATOR is on.	SPARE LAMP position. 3. Install new LAMPS.
	4. The LAMP CHANGE LEVER is not in the correct position.	4. Move the LAMP CHANGE LEVER to the correct position.
The POWER SWITCH is on but there is no image projecting on the screen.	The PROJECTION MIRROR is not aimed upward.	Aim the PROJECTION MIRROR upward.
The image is out of focus.	1. The distance between the screen and PROJECTOR is not correct.	1. The distance between the PROJECTOR and screen
	 The STAGE GLASS, PROJECTION MIRROR, PROJECTION LENS, or FRESNEL LENS are dirty. The LABEL "Up" on the 	should be within 1.1 to 3.0 M. 2. Clean the STAGE GLASS, PROJECTION MIRROR, PROJECTION LENS, and FRESNEL LENS.
	FRESNEL LENS is not facing the STAGE GLASS.	3. Check that the "Up" LABEL on the FRESNEL LENS faces the
	4. The PROJECTION MIRROR TAB is not open.	STAGE back inside the PROJECTOR FRAME.
	5. The PROJECTION LENS is out of focus.	4. Open the PROJECTOR LENS TAB.
	6. The TRANSPARENCY is not flat.	5. Adjust the FOCUS DIAL.6. Check that the TRANSPARENCY is flat.

Malfunction	Possible Cause	Procedure
The light is not bright enough.	The BRIGHTNESS CONTROL KNOB is not set at the maximum position.	Check that the BRIGHTNESS CONTROL KNOB is set at the maximum position.
	2. The LAMP is blown.	2. Install a new LAMP CHANGE LEVER.
The illumination is not even.	1. The LAMP is not installed into the SOCKET correctly.	Install the LAMP into the SOCKET correctly.
	2. The LAMP is not aimed in the upward position.	2. Move the LAMP in the upward position.
	3. The PROJECTION ARM is not up completely or the FOLD MIRROR is not completely down.	3. Move the PROJECTION ARM completely up and move the FOLD MIRROR completely down.
	4. The FRESNEL LENS is missing.	4. Install the FRESNEL LENS.

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