

601S MAINTENANCE AND OPERATING INSTRUCTIONS - SAVE THESE INSTRUCTIONS

CAUTION: Read and understand these entire instructions before using this fixture.

CAUTION: Always wear protective eyewear and gloves when servicing this fixture for any reason.

CAUTION: Some degree of smoke may emanate from this fixture when first used. This is normal and the amount of smoke will decrease with time. It is recommended that the fixture be burned-in for a period of 1 - 2 hours in the horizontal position before actual use.

CAUTION: Disconnect fixture from power supply before servicing, or, installing or removing a lamp.

CAUTION: Allow fixture to sufficiently cool before servicing, or installing or removing a lamp.

CAUTION: Do not touch the glass portion of the lamp with your bare hands. Agents such as sodium, grease and oil can contaminate the glass wall, thereby risking rupture, lamp life or performance. If the lamp should become soiled, immediately and thoroughly wipe with a soft, clean lint free cloth soaked in denatured alcohol (methylated spirits), then wipe dry with a soft, clean lint free cloth.

CAUTION: Do not allow materials to come in contact with the lamp. Scratches and abrasions can cause the lamp to rupture.

CAUTION: This fixture is a source of intense heat and is not meant for residential use. There is a risk of fire or personal injury, therefore avoid contact by persons or materials when in use.

CAUTION: Do not operate in any upside down position or more than +/- 80° from horizontal.

CAUTION: Always use this fixture mounted to an approved stand.

CAUTION: Do not use in wet locations.

CAUTION: Do not use this fixture if the fan is not working properly. Insure that fan guard is clean. Do not block any vent holes in this fixture, or use this fixture in any way other than that for which it was intended.

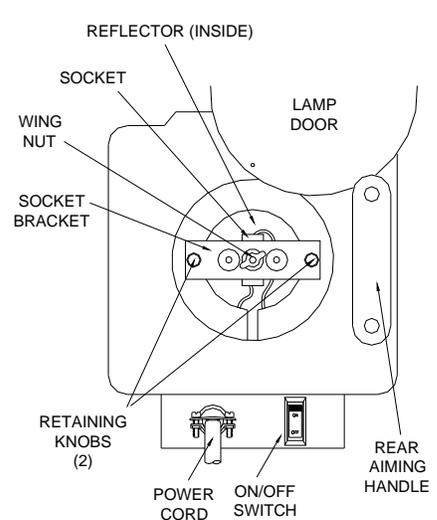
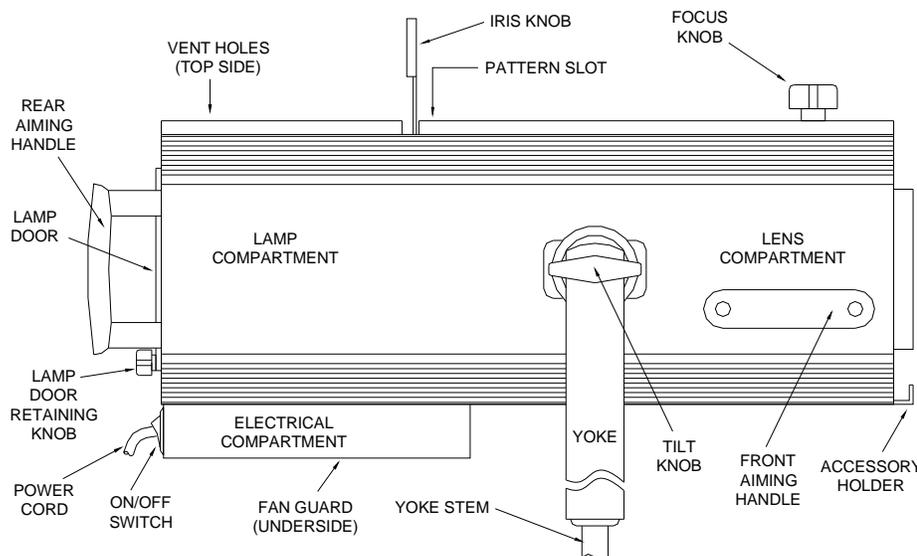
CAUTION: Use only with a grounded power supply. Do not exceed the maximum wattage rating or voltage rating as indicated on the fixture label.

SECTION 1 : MAINTENANCE (PLEASE REFER TO THE DIAGRAMS BELOW)

Lamp Installation / Replacement

NOTE: When handling lamps, do not touch the glass portion of the lamp with your bare hands. Agents such as sodium, grease or oil can contaminate the glass wall, thereby risking rupture, lamp life or performance. If the lamp should become soiled, immediately and thoroughly wipe with a soft, clean lint free cloth soaked in denatured alcohol (methylated spirits), then wipe dry with a soft, clean lint free cloth. New lamps are generally supplied with protective installation covers.

- 1) Unscrew the lamp door retaining knob and pivot the door clockwise until the door rests upon the rear aiming handle.
- 2) Inside the door, remove the two small socket bracket retaining knobs and set them aside, then carefully remove the socket bracket by pulling it straight out of the reflector opening.
- 3) Remove lamp by grasping its base and pulling it straight out of the socket. Discard lamp (NOTE: See local environmental codes for disposal of lamps of this type, and follow lamp manufactures recommendations for disposal).
- 4) With the protective cover over the lamp glass, grasp base of lamp and gently insert into socket until completely seated. Remove protective cover and reverse steps 1-3. NOTE: The lamp is polarized and will only fit into the socket one way.



Lens Care

NOTE: Lenses should be cleaned from time to time as dirt and other contaminants will accumulate and adhere to the lens surfaces, thereby adversely affecting performance. Never use soap, glass or window cleaner as they can leave trace amounts of residue that can bond to the lens surface when the lenses are heated from the lamp. Never use abrasive materials to clean lenses as they can scratch the surface and adversely affect performance.

- 1) Remove the 4 screws on the fixture front, and set these and the fixture front aside.
- 2) Remove the focus knob and washer and set them aside.
- 3) Gently remove the internal focusing lens by carefully pulling it and its holder forward, out of the fixture. Before removing, take note of how the lens holder is situated within the fixture.
- 4) Clean lenses with a soft, clean lint free cloth soaked in denatured alcohol (methylated spirits), then wipe dry with a soft, clean lint free cloth.
- 5) Reverse steps 1-3.

SECTION 2: OPERATION (PLEASE REFER TO THE DIAGRAMS ON PAGE 1)

Yoke and Stand Adjustments

To set up the stand for use with this fixture:

- 1) Loosen the lower stand knob and fully extend the 3 legs, then completely tighten the lower stand knob. NOTE: Always use this equipment on a flat, stable and level surface. Always keep the legs fully extended to prevent accidental tipping over of the fixture. Always keep the lower stand knob fully tightened to prevent personal injury.
- 2) Loosen the upper knob and fully insert the yoke stem. The upper stand knob can be kept loose allowing the user to pan the fixture. Likewise, the tilt handle can also be kept loose. NOTE: There are rubber washers which allow for tension adjustment. This will allow the user to tilt the fixture. NOTE: When panning or tilting an energized fixture, the front and rear aiming handles should be used exclusively for this purpose.

Lens Focusing

- 1) With the fixture energized, loosen the focus knob until the lens moves freely. While observing the projected beam, adjust the lens until the desired beam size has been attained. NOTE: Beam size is a function of distance, the further away the fixture is from the target, the larger the beam will be.
- 2) Tighten the lens knob until snug (do not overtighten this knob).

Lamp Alignment

- 1) With the fixture energized, unscrew the lamp door retaining knob and pivot the door clockwise until the door rests upon the rear aiming handle.
- 2) Inside the door, slightly loosen the center wing nut.
- 3) While observing the projected beam, move the wing nut up, down, left or right until the brightest part of the beam is located at the center.
- 4) Tighten the wing nut until snug, thereby locking the lamp into position.
- 5) Close door and tighten retaining knob.

Iris Adjustment

The iris knob is located on the top of the fixture. Moving the knob to the right (facing the rear of the fixture) will close the iris, thereby reducing the diameter of the projected beam. Moving the iris to the left will enlarge the beam diameter. NOTE: It is not recommended to use the iris in a fully closed position for extended periods of time as this will greatly reduce the life and overall performance of the iris. Repeat the Lens Focusing procedure (top) to fine tune the look of the beam edge.

Pattern Installation

This fixture can be used to project patterns. To do so, simply install the pattern holder fully into the pattern slot. Repeat the Lens Focusing procedure (top) to fine tune the look of the beam edge.

Accessory Holder

The accessory holder is located on the fixture front and will accept 7-3/4" x 7-3/4" (as measured) accessories, such as a color frame or a color box (both sold separately). Make certain that the tilt knob is firmly and completely tightened before adding accessories to the front of this fixture.

SECTION 3: OPTIONAL COLOR BOX

Installing the Color Box

To install the color box, carefully orient the box such that the index hole is down, and facing the front of the fixture. Next slide the mounting frame of the color box downward into the accessory holder of the fixture.

Coloring the Beam

To add color to the beam, simply depress any one of the 4 color handles until the color frame rotates 45° and "clicks" into place. NOTE: More than one color frame may be introduced into the beam if desired.

Blacking Out the Beam

To black out the beam, simply depress the blackout handle until the blackout disk rotates 45° and "clicks" into place. This feature allows for an instantaneous blackout, much more effective than simply turning the fixture off.

Cancelling Color or Blackout

To cancel out a color frame(s) or blackout disk introduced into the beam, simply depress the cancel lever until all items have cleared the beam path.

Color Media Installation:

- 1) Carefully remove the 4 brass fasteners that sandwich the two color frame halves together and set these items aside.
- 2) Remove the unwanted color media, and place the new media between the two color frame halves. NOTE: Insure that the new media is larger than the frames
- 3) reinsert the 4 brass fasteners and carefully trim off the excess media.

