INSTALLATION AND OPERATION

MODEL 65-C1 X-Ray Film Viewer with Transport Case.

ITEMS LIST

1. Shipping Container
2. Film Viewer
3. Iris Diaphragm
4. Foot Switch
5. Spare Lamps.
   1 each BAH
   2 each ELH
7. Transport case keys
8. Heat Glass
9. Transport Case
10. Manual
1.0 Removal from Shipping Case

NOTE: On initial set up the Film Viewer will have the Bulbs packed in bubble rap inside the Viewer. Remove them by opening the Viewer cover and place them aside. Remove the viewer from the Transport Case and install them as instructed below.

1.0 Open the case (Reference Photo)

2.0 Electrical

2.1 The Model 65-C1 Deluxe Viewer operates on 120 Volts AC at 4.8 amps 50/60 hertz. The unit is protected from overload or short circuit by a 7.0 amp circuit breaker located in the rear of the unit. Reference Photo.

2.2 The foot switch must be connected to the viewer in order for either light to work. The foot switch cord plugs into the socket located next to the line cord in the rear of the unit. Reference – Reference Photo
3.0 Set up and Operation

3.1 After removal from the shipping container open the top (Reference Photo) and locate the bulbs within the compartment wrapped in padding and place them in the respective Sockets as follows.

14 x 17 section is a screw in 300 watt BAH bulb. (Reference Photo) unwrap the bulb and screw it into place. Only finger tight.

Removal to replace the bulb is just the reverse, unscrew and discard in an appropriate manner. Reinstall the new bulb per the above.

In the High Intensity spot side unwrap the bulbs but do not touch the reflector or bulb with your fingers. The oil in your skin if you touch the reflector will cause the bulb to burn out prematurely.

To install the bulbs, in their special fixture make sure the wire lever is all the way toward the front of the viewer (Reference Photo), position the bulb so the pins are vertical and merely slide the bulb reflector into the fixture from left to right until it is all the way in (Reference Photo)

To remove the bulb push the wire lever on the bottom of the fixture towards the rear of the viewer. This will slide the bulb out of the socket. Re-position the lever before installing a new bulb.
FILM VIEWER BACK

Foot Switch plug  Circuit Breaker  Power Cord

Iris Diaphragm  Brightness Control
4.0 Operation

4.1. When the foot switch is connected and the master switch is on, the light on the left side (14 x 17 section) is illuminated. When the foot switch is depressed the light on the left will go out and the light in the high intensity spot on the right hand section will go on.

4.2. The light intensity of both lights is controlled by the variable transformer located on the right side (Reference Photo 6) and is indicated in Percent of intensity from 0 to 100. The lower the intensity the lower the light level.

4.3. Note the reflective glass on the High Intensity side of the Viewer is heat reflecting glass and the side toward the bulbs is coated with a special metallic material that is conductive and must be toward the bulbs. If the glass is removed for cleaning, be sure it is re-installed correctly or the heat will not be reflected correctly. **DO NOT OPERATE THE HIGH INTENSITY SPOT WITHOUT THE HEAD GLASS INSTALLED, IT WILL CAUSE DAMAGE TO FILM.**

**DO NOT USE ABRASIVE CLEANER ON THE HEAT GLASS.** Use only mild soap and warm water, wipe with a soft cloth.

HEAT GLASS INSTALLED WITH STICKER “THIS SIDE TOWARDS BULB”
5.0 Maintenance

5.1 The unit should be kept clean at all times to preserve the finish. A good grade automotive wax type cleaner can be used. A static free cleaner should be used on the 14 x 17 viewing side. **DO NOT USE CHEMICALS SUCH AS ACETONE, PAINT THINNERS, OR OTHER SOLVENT OR PETROLEUM BASED CLEANERS.** These chemicals will etch or damage the Plexiglas and cause its destruction.

5.2 Do not attempt to clean the electronics or electrical components.

5.3 Replace any electrical cords that become cracked or frayed.

5.4 Always plug the unit into a grounded electrical outlet.

5.5 Use only the correct bulbs as listed in the spares list.

5.6 Never clean or service the unit when it is connected to a power source.

5.7 Always unplug the unit before service.

5.8 **Make sure the power source conforms to the requirements of this equipment before operation.**

6.0 Lubrication

6.1 The blower had been oiled at the factory. The motor should be oiled every six months with five (5) drops of SAE 10w or 20w non-detergent oil (ML-Type) or with good electric motor oil. Reference Photo Below

**BLOWER MOTOR**
COMPLETE VIEWER KIT

- Foot Switch
- Spare Lamps
- Keys
- Manual
- Heat Glass
- Iris Diaphragm
REPACKING FOR SHIPMENT.

Only the Heat Glass needs to be removed for reshipment. Remove the glass by lifting the Taps about the Glass and lift the glass out of the channel. Place the Glass in the protective envelope and put it into the Transport case slot.

Remove the Iris Diaphragm from the viewer and place in the slot in the Transport Case.

Remove the Foot Switch from the view and Put it in the compartment on the Bottom of the Transport case.

Place the Film Viewer in the Transport Case with the Front of the Viewer to the Back of the Transport case. Make sure the Feet are located in the Holes in the bottom of the case.

NOTE: There are keys for the front latches on the Transport Case and it can be locked if desired. CAUTION they keys must be available at the next location the unit will be set up.

SPARE LAMP INFORMATION

The Spare lamps are located in the cover of the Transport case and held in place with Velcro straps.

The bulbs are manufactured by GE and available from most GE distributors or on line at:

Grainger - www.Grainger.com
Grainger item information.

**Lamp, 300 W, Bah, 115 V**
Projection Lamp, Power Rating 300 Watts, ANSI Code BAH, Bulb A21, Base Medium, Lamp Description Projection, Frosted, Voltage Rating 115 Volts, Rated Average Life 20 Hours, Initial Lumens 9000, Color Temperature 3200 Degrees Fahrenheit, Maximum Overall Length 4 15/16 Inches

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**Lamp, 300 W, Elh, 120 V**
Projection Lamp, Power Rating 300 Watts, ANSI Code ELH, Bulb MR16, Base 2 Pin Oval, Lamp Description Slide Projection, Flat Pins, Voltage Rating 120 Volts, Rated Average Life 35 Hours, Color Temperature 3350 Degrees Fahrenheit, Filament CC-8, Maximum Overall Length 1 3/4 Inches

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## PARTS LIST

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<td>BLOWER</td>
<td>1</td>
<td>60 CFM 120 Volt Blower</td>
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<td>SUPPLY CORD</td>
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<td>18/3 SJO 8’ cord with plug</td>
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<td>POWER SWITCH</td>
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<td>Curvette Rocker Switcher</td>
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<td>CIRCUIT BREAKER</td>
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<td>7 Amp W 58 Series 6-30 Second Trip</td>
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<td>LAMP HOLDER (14 X 17)</td>
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<td>LAMP DIMMER</td>
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<td>Variable Transformer 120 Volt 5 Amp</td>
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<td>LIGHT BULB (14 X 17)</td>
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<td>BAH - 120 Volt 300 watt incandescent lamp</td>
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<td>ELH 120 Volt 300 x 2 watt halogen lamp</td>
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