

MAGIC WAND

MAINTENANCE INSTRUCTIONS

GENERAL INFORMATION:

This exhibit consists of two boxes separated by anodized aluminum rails. One box houses a slide projector which is focused on a plane in the space about halfway between the boxes. The other box is a light trap so the visitor can't see the image of the slide. Two magic wands are loosely connected by red parachute cord to the rails that separate the boxes.

Initial Setup:

The two rails are fastened to the cabinets with socket head cap screws. The screws which affix the rails to the cabinet containing the projector CANNOT be removed from the cabinet. Leave them in and secure them with a piece of tape upon removal of the rails. Remove the fasteners from the other cabinet, remove the rail and thread the screws back into the rails. Gently tighten these so they will not vibrate loose during shipping.

The Projector is packaged separately. It sets into the projector cabinet and located with masonite circles that the projector feet set into. Check that a slide is inserted into the projector. (A carousel is not needed.) Power up the exhibit and check that the image focuses between the two cabinets. Have a second person hold a sheet of paper about halfway between the boxes and focus the slide image on the sheet of paper. Place a pair of footprint stencils on the floor where he was standing. They are held in place by peeling the paper off the adhesive and pressing them to the floor.

General Cleaning:

The finished or painted surfaces of the exhibit may be cleaned with a mild soap solution or general purpose cleaner. The plexiglass panels should be cleaned with a plexi cleaner and a soft wipe that will not leave scratches, (we suggest Wype-All™).

Projector access:

Access to the projector is obtained by opening the door at the rear of the projector box. To change the light bulb, lift the projector from the shelf, turn it upside down and open the door marked "LAMP". The light bulb flips out with the wire lever. Installation is the reverse of disassembly. Note that the projector feet sit in three masonite circles on the shelf. Always recheck the focus after changing a bulb. The projector should be focused at a point about halfway between the two boxes.

Filter cleaning & replacement:

The filter is located in the lower back and accessed for cleaning or replacing by opening the rear door. The filter should be vacuumed or changed whenever it becomes dirty.

Wand maintainance:

When replacing the wands, allow enough cord so that tall people can pick up the wand, make the loop around the pole loose enough that the wand can slide easily along the pole, and put a couple of drops of cyanoacrylate adhesive (Permabond, Eastman 910, or Crazy Glue) on the knot.

115 Vac to 230 Vac conversion:

This exhibit has a step down transformer to allow 115 Vac or 230 Vac. A line voltage switch labeled 230 (or 115 depending upon the position) is located in the bottom of the projector cabinet behind the filter. The filter is accessed by removing the locking rear panel. Check the line-voltage switch during initial set-up before plugging it in. The circuit breaker will protect most accidental improper connections, however some circuits may sustain damage if connected to 230 Vac if the line voltage switch is left at 115 Vac.