

SciDome Lens Cleaning Guideline

How to professionally clean a SciDome Fisheye, Camera and Inset Projector lens

Note: This tool does not repair scratches.

EXTREMELY IMPORTANT! Carefully Read All Detailed Steps Prior to Use

TOOL CARE AND STORAGE:

The Lens Cleaner tool shown in Fig-1 has four components to achieve proper removal of dust or fingerprints on a lens. This tool does not use any liquids nor should any liquids be applied to the lens itself. Do not wash or submerge the tool or microfiber cloth in any liquid. Always keep the tool clean. Avoid dropping the tool and allowing foreign material to collect on the soft brush or polishing tip.

The air nozzle with protective tip (A), soft brush (B) and polishing tip (C) can be wiped clean with the microfiber cloth (D) to remove any major build up of graphite or particulates.

Place this tool and microfiber cloth in a sealed plastic bag and stow in a dry place for the next use.



Fig-1

- 1.** Before cleaning any lens, make certain the projectors are powered off and cooled-down to prevent any injury due to the intense light. Utilize proper task lighting in order to see the lens surface clearly. Removing dust, smudges, smears or fingerprints from the lens surface must be done carefully as to not disturb the lens positioning. Make certain the tool's soft brush and polishing tip are clean prior to touching any lens surface (see tool care above). Never wipe the lens in a large sweeping motion with the microfiber cloth because scratches may occur.
- 2.** The first and most important step is to blow away as much dust as possible from the lens surface to prevent scratches from harsh particles. Unthread the brush tip to expose the air nozzle as shown in Fig-2 and put aside while cleaning. Squeeze the bulb repeatedly to produce jets of air to blow away any dust as shown in Fig-3. Note: Air does not pass through the brush tip.
- 3.** *Securely* thread the brush tip back onto the nozzle end and slide the protective sleeve back to expose the soft bristle brush as shown in Fig-4. Begin brushing slowly and lightly in a small circular motion working from the center out to the edge to remove additional dust as shown in Fig-5. Do not squash the soft bristles flat against the lens. Periodically, clean the brush by lightly sweeping it on the microfiber cloth. Pull the protective sleeve fully outward to cover and protect the brush when complete.
- 4.** To remove smudges, smears or fingerprints, the polishing tip will do the job. Pull the entire dispenser cap off to expose the polishing tip as shown in Fig-1. The dispenser cap holds a sponge where the tip can be coated with graphite. Pop open the lid and press the polishing tip lightly into the dispenser sponge once to apply graphite as shown in Fig-6. Plenty of graphite is available for extended use. Close the dispenser lid and put aside while cleaning the lens surface. The polishing tip has a flexible shaft to maintain contact on curved surfaces as shown in Fig-7. Begin polishing slowly with light pressure in multiple small circles on the affected area. Never sweep the tip across the lens in long strokes because it may cause a scratch. The entire lens may not require a full cleaning therefore, localized spot cleaning can be exercised. Use the microfiber cloth periodically to wipe clean small areas of the lens as necessary to keep it free from any build up of graphite. Snap the dispenser cap back over the polishing tip when complete.
- 5.** Repeat steps 2 to 4 as necessary until the lens surface is clean.

