



## 10 Minute Headlight Restoration Instructions

### Always wear protective gloves and safety glasses/eye protection when using Ice-9 products

The Ice-9 Pro Shop kit is capable of restoring 63 to 69 sets of headlights, while the Ice-9 Standard Kit restores 21 to 23 sets. Typically, the Ice-9 System can restore about 75% to 85% of the headlights that come through your shop daily. Some lights may have internal haze caused by dirt & moisture when the gasket on the light is compromised. Some lights will have "bulb burn." "Internal haze" & "bulb burn" cannot be removed by any method. Some lights may exhibit small internal stress cracks known as "crazing," which also cannot be removed. No headlight restoration lasts forever regardless of exaggerated claims by some companies. By design, an Ice-9 restoration is intended to last approximately 12 months & can be quickly and easily re-done at the end of its life span, making it a great yearly maintenance option for regular customers. **Preparing the Light for Ice-9 Glaze** - When using the Ice-9 system, the goal is to achieve a smooth surface on the light. Smoothness equals gloss. After prepping, the light should appear smooth with a uniform "haze" across its entire surface. Ice-9 sanding sponges are highly durable and can often be used twice. Remember to save all used sponges in a separate bag for future use.

### **Step 1: Liquid Sandpaper**

- Apply about two half-dollar-sized amounts of Liquid Sandpaper onto a clean rag, sponge, or towel.
- Scrub the lens with heavy pressure. The nano-scrubbing power will eliminate the first layer of haze and yellowing, improving clarity, which may vary by vehicle.
- Avoid allowing Liquid Sandpaper to dry on the lens or on paint and bumpers. Rinse the lens using a water spray bottle.

### **Step 2: Sanding Sponges**

- Always wet the lens and sanding sponge before sanding; Determine which grit or grits needed
- The grit needed depends on the extent of oxidation:
  - Many lights can be restored using the 3000-grit sponge alone.
  - Others may need the 2000-grit followed by the 3000-grit
  - Others may require a combination of 1000-grit, 2000-grit and 3000-grit sponges.
- Wet both the lens and the sponge. Using short, fast, left-to-right, back & forth motions with medium pressure until the entire light is sanded. **Do not sand in circles or up & down.** Only left to right, back & forth.
- Regardless of which grit you start with always finish with the 3000-grit.

**FOR HEADLIGHTS WITH SEVERE OXIDATION**- For lights with severe oxidation and mild clear coat peeling, after using Liquid Sandpaper, **dry the light** and then sand the light with the **800 grit sponge DRY** followed by the **1000 grit sponge wet**. Then continue with the **2000 grit wet** and finally the **3000 grit wet**. Then continue to step 3 and 4.

### **Step 3: Rinse & Dry the Lens**

- Thoroughly rinse lens with water to eliminate any Liquid Sandpaper or sanding residue.
- Carefully dry lens, especially around the edges where water may be trapped. If possible, blow the light dry with an air hose or blower. After drying, the light should have a uniform haze and possibly some slight scratches, which is normal.
- **\*Before going to the next step, WIPE THE LENS DOWN with rubbing alcohol using a clean microfiber towel.**

### **Step 4: Apply Ice-9 UV Glaze**

- Apply slowly with light pressure. In temperature is below 40 degrees, warm lens slightly with a blow dryer or heat gun.
- Fold the applicator pad into quarters. Shake the Ice-9 glaze bottle, remove the cap, and saturate the smooth edge of the applicator pad (it should be saturated, not dripping).
- Start by applying glaze around the perimeter of the lens, then use long, smooth east-to-west strokes, overlapping by 1/8th of an inch. Re-coat the applicator as needed.
- Once the lens is coated, you have about 60 to 90 seconds to make any corrections. Ice-9 glaze is self-leveling, so any streaks should smooth out. If there are bubbles or missed spots, lightly re-coat the applicator pad to touch up.
- Dry to the touch drive-off time is generally 10 to 15 minutes and to fully cure, the lights should stay dry for a minimum of 6 hours. Advise customers to avoid washing it for 24 hours. Do not perform restorations on foggy or rainy days.
- If light becomes contaminated with rain/moisture during application, completely wipe down with 91% alcohol & start over
- If necessary, a second coat of Glaze can be applied. Allow to dry at least 20 minutes and blow dry first.

**Proper Care & Storage of Ice-9 UV Glaze** - The unopened shelf life of the UV Glaze is 12 months. Once opened, the shelf life depends on exposure to oxygen, moisture, & heat. Store in environments between 40-80 degrees. Avoid high humidity or freezing temperatures. Only open and work from one bottle of Glaze at a time, keeping the lid secure and airtight when not in use. Store all glaze bottles, including your working bottle, in a stay-fresh mylar bag, and keep Ice-9 Glaze away from flame or heat. If tip of glaze bottle becomes clogged, simply use a sewing needle to un-clog it.