Headlight Restoration System

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 restores 63-69 sets of headlights, while the Ice-9 Standard Kit restores 21-23 sets. Some headlights cannot be restored regardless of the method used. About 80% of the headlights you see coming through your shop on a daily basis can be restored with the Ice-9 System. Some lights will have internal haze on the inside of the light caused by dirt, moisture or "bulb burn." Internal haze cannot be removed by any method. The good news is that with Ice-9 it only takes a few minutes to determine if a light has internal haze. Some lights will have small internal stress cracks called "crazing." Crazing cannot be removed. The Ice-9 glaze is designed to last for about 12 months and can be re-applied very easily, making an Ice-9 restoration a yearly maintenance item for regular customers. Prepping the light for the Ice-9 Glaze: When using the Ice-9 system, the goal is to get the surface of the light smooth. Smoothness=gloss. After prepping the light it generally should be smooth with a universal "haze" over the entire light. (Note: Ice-9 sanding sponges are very durable and can usually be used twice. Save all of your used sponges in a separate bag for future use.

Step 1. Liquid Sandpaper - Squirt or spray about 2 half dollar size amounts of Liquid Sandpaper onto a clean rag, sponge, or towel. Scrub the lens with heavy pressure. The nano-scrubbing power of Liquid Sandpaper will remove the first layer of haze & yellowing. You will notice the clarity of the lens improve which will vary by vehicle. Do not allow Liquid Sandpaper to dry on lens. Rinse lens with water spray bottle.

Step 2. Sanding Sponges - Always wet the lens and the sanding sponge with water before sanding. Do not sand the light dry. The sanding sponge grit needed is determined by the degree of oxidation the light has. Many lights can be restored using the **3000 grit sponge alone**. Others will need to be refinished using a **combination** of the 2000 grit sponge and the 3000 grit sponge. Wet the lens and sponge. Using the **2000 grit sponge first**, use short back and forth, left to right, east to west motions with medium pressure until you have sanded the entire light. Do not sand north and south and do not sand in circles but in uniform left to right, east to west motions. **Next, follow up with the 3000 grit sponge** using the exact same method you used with the 2000 grit sponge being sure that the light is wet. **(With a little experience, you will begin to immediately recognize which grit of sanding sponge or sponges to use with different levels of oxidation.)**

FOR HEADLIGHTS WITH EXTREME OXIDATION - For lights with extreme oxidation and some mild clear coat peeling. After using step 1 with the Liquid Sandpaper, **dry the light** and then sand **the light DRY with the 800 grit sponge first followed by the 1000 grit sponge DRY** as well, then with the **2000 grit WET**, followed by the **3000 grit WET**. (Be cautious with the 800 grit and 1000 grit sponge as they are very sharp and have the potential to scratch the light more than is needed.)

Step 3. Rinse & dry the lens - Thoroughly rinse lens with water to completely remove any liquid sandpaper or sanding residue. (optionally, you may use Spray-Way foaming glass cleaner.) Carefully and thoroughly dry the lens being sure to dry around edges where water can get trapped. If you have a air pressure hose, blow the lens dry. Once dry, the light should have a uniform haze and perhaps some slight scratches on the surface. This is normal.

Step 4. Apply Ice-9 UV Glaze - (Apply slowly with relatively light pressure) If temperature is below 40 degrees, we recommend slightly warming the lens with a blow dryer or heat gun. Fold applicator pad into quarters. Shake Ice-9 glaze bottle. Remove cap and saturate the smooth edge of the applicator pad-not dripping but saturated. Wipe on the glaze slowly with light pressure going around perimeter of lens first. Now apply a bit more of glaze to the edge of pad. Starting at top of lens, apply in long, smooth, east to west strokes. Dropping down, repeat, overlapping previous stroke by 1/8th of an inch. As you work down the lens, re-coat applicator as needed. If you feel the applicator dragging it needs more glaze on it. Once the lens is coated you have about 60 to 90 seconds to make any corrections. Check your work. Ice-9 glaze is self-leveling. Any streaks should level out. However, if you have bubbles or have missed a spot, lightly re-coat applicator pad and touch up-smooth out the run or bubbles. Applying glaze too fast or with too much pressure can cause streaking. "Dry to the touch" drive off time is generally 10 to 15 minutes. To fully cure, lights need to stay dry for a minimum of 6 hours. Advise customer to not get the car wet or wash car for 12 hours hours. Do not perform restorations on foggy or rainy days.

Proper care & storage of Ice-9 UV Glaze- Unopened shelf life of UV Glaze is 12 months. Once opened, shelf life depends on oxygen, moisture and heat exposure. Do not store in temperatures above 90 degrees or high humidity environments. Do not expose to freezing temperatures. Only open and work out of one bottle of Glaze at a time. Keep lid secure/airtight when not in use and keep all glaze bottles, including your working bottle, in stay fresh mylar bag. Keep Ice-9 Glaze away from flame or heat.