

HEADLIGHT RESTORATION ESSENTIALS

RESTORE | MAINTAIN | PROTECT

PLEASE READ INSTRUCTIONS COMPLETELY PRIOR TO STARTING THE RESTORATION PROCESS

The SYLVANIA Headlight Restoration Essentials Kit will provide excellent restoration results. Just follow these instructions and you will be amazed at the like-new clarity of your headlights. Throughout the process, don't worry if you notice that the headlight lens is still a bit hazy. Only after the UV Block Clear Coat is applied will the headlight lens return to its like-new clarity.

USER PROVIDED MATERIAL - Tips for Success

TAPE - The best tape remains adhered throughout the project and does not harm painted surfaces. Vinyl (electrical) tape may be used to ensure proper adherence throughout all steps. If damage to weathered or marginal paint surfaces (which may include any after-factory paint repairs or touch ups) is a concern, choose a weaker bonding masking tape, but check for tape looseness throughout the sanding steps.

DO NOT USE duct tape, strapping tape or clear cellophane tape. Also, keep the tape on the painted surface for the shortest time possible and apply only to room temperature (or lower) paint surfaces.

SANDPAPER - A waterproof grade of sandpaper is best - but not required. Grit ranges - Coarse (320 to 400 grit) Medium (800 -1000) Fine (1800-2000)

Kit Contents:

- **1.25 OZ. UV Block Clear Coat**
- **1.25 OZ. Surface Activator**
- **Blue Applicator Towels**

You Supply: (see USER PROVIDED MATERIAL section)

- **Tape**
- **Sandpaper** (400, 1000, and 2000 grit) **Rubbing Compound**
- **Glove** (non porous, lint free, mineral oil compatible)

RUBBING/POLISH COMPOUND - Choose a medium grit rubbing or polishing compound that does not contain silicones or oils (these will interfere with UV Block Clear Coat adherence). If you are unsure about compound contents, it is better to omit the polish step and thoroughly sand with a very fine sandpaper (3000 - 3500 grit). Even if your finest available grit size is 2000 grit, it is better to omit rubbing compounds if silicone or oils are a risk.

GLOVE - Choose a glove that is non porous, lint free and designed for exposure to mineral spirits.

NOTE - When used as directed, UV Block Clear Coat can be used with any other restoration kit to provide up to 9X UV blocking results. Other restoration kit replaces Step 2 in these instructions. Avoid using kit polish compounds unless you are sure they are silicone or oil free.

PREPARATION - Start with a clean, dry headlight lens. Pick a location that is out of direct sunlight and is above freezing (32 °F). To protect surrounding areas, apply tape to the car surfaces adjacent to the headlight lens being restored.

STEP ONE: APPLY SURFACE ACTIVATOR

WHAT IT DOES - Surface Activator prepares the surface in 2 ways: it removes the yellow staining and it softens the degraded original UV clear coat that still may be on the headlight lenses.

PROCEDURE - Apply 10 pump sprays of Surface Activator onto each headlight lens as uniformly as possible. Let this liquid sit on each lens for about 30 seconds. Wash completely with water.

STEP TWO: SAND AND POLISH

WHAT IT DOES - Sanding with coarse (320 - 400 grit) sandpaper removes all haze, oxidation, and failed UV coating. The medium (800 - 1000 grit) and fine (1800 - 2000 grit) sandpapers, along with the very fine (3000 - 3500) sandpaper or rubbing compound, will polish the headlight lens surface and prepare it for the new protective UV Block Clear Coat.

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1 Cut or fold your sandpaper into a size suitable for hand sanding. A 4" to 5" square works well.

2 Begin sanding with the coarse grit sandpaper. Fully wet the headlight lens and sandpaper with clean water. Sand the surface with a vigorous circular motion under medium pressure. Keep the headlight and sandpaper wet by adding water frequently. Sand until all lens surfaces feel smooth to the touch. Check for completion periodically by rinsing with water and then drying the headlight lens with a paper towel or clean cloth (NOT the blue towels provided with the kit). The coarse grit sanding step is done when a dry headlight lens has a uniform, light, white haziness with no yellow or clear spots.

3 (Important - Before proceeding to Step Three (UV Block Clear Coat Application) please complete 'Step One' and 'Step Two' on BOTH headlights. This will help ensure that the coating process is not disturbed on the first headlight while restoring the second one.)

Using the medium (800 - 1000 grit) sandpaper and medium pressure, sand all headlight lens surfaces multiple times adding water frequently, for approximately 5 minutes.

4 Using the fine (1800 - 2000 grit) sandpaper and firm pressure, sand all headlight lens surfaces multiple times adding water frequently, for approximately 5 minutes.

5 Using the very fine (3000 - 3500 grit) sandpaper or rubbing compound, polish over the entire lens using even circular motions and firm pressure (water frequently if using sandpaper). Rub all surfaces multiple times for approximately 5 minutes. When complete, rinse the lens thoroughly and dry completely. You will still see a light, white haze to the lens. This is normal.

6 Reapply 20 pumps of the Surface Activator to the lens and let it sit for 30 seconds and then thoroughly rinse with water. This provides a clean surface for the coating process that follows.

7 Remove the protective tape. Completely dry the headlight lens surface and all surrounding surfaces, making sure moisture is removed from all areas, including hidden edges. This will ensure optimal bonding of the UV Block Clear Coat.

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STEP THREE: UV BLOCK CLEAR COAT APPLICATION

WHAT IT DOES - The UV Block Clear Coat provides immediate clarity and dries to a hard, durable coating. It contains active and passive UV blockers for long lasting protection to your restored headlight lens.

PROCEDURE

Check to be sure all moisture is removed from all areas on and around the headlight lens.

Tear off one of the blue applicator towels and fold it in half 3 times. The folded edge will be your coating applicator. Put the vinyl glove on your application hand. Thoroughly soak the entire folded edge of the blue towel with UV Block Clear Coat until the liquid extends 1/2" from folded edge. NOTE: The thicker the coating the better. Take care to thoroughly soak the entire folded edge of the blue applicator and to re-soak often to ensure uniform thickness across the headlight surface. Starting in one of the upper corners of the headlight lens, wipe the moistened edge of the towel across the lens from side to side in a smooth and continuous motion using medium pressure. Working from the top down, repeat the same motion, slightly overlapping the previous stroke. Re-moisten the towel edge with the UV Block Clear Coat often to ensure a thick application. For best results, move in a continuous motion across the headlight lens on each stroke, applying only once, and do not repeat or re-apply to treated areas. If you missed a spot then quickly reapply only to that area. Repeat procedure on 2nd headlight.

DRYING / CURING TIME

After coating, allow at least one full hour before touching the headlight lens and allow 4 to 6 hours for a full cure. Avoid driving and water exposure (rain or condensation) until cured.

Instructional videos, based on the SYLVANIA Headlight Restoration Kit, are available at www.sylvania-automotive.com/hrk