



# HEADLIGHT RESTORATION KIT

39084



Before



After

### Kit Includes:

- 1 Orange Foam Pad with Hookit™ Attachment
  - 6 Gold (P500 Grit) Abrasive Discs, 3 in (7,6 cm)
  - 4 White (P800 Grit) Abrasive Discs, 3 in (7,6 cm)
  - 1 Green/Gray (P1000) Abrasive Discs, 3 in (7,6 cm)
  - 1 Green/Gray (P3000) Abrasive Discs, 3 in (7,6 cm)
  - 2 3M™ Rubbing Compound, 1 fl oz (29,5 mL) each
- Step-by-step directions for use

### You Supply:

- 3M™ Microfiber Detail Cloth
- 3M™ Automotive Performance Masking Tape
- Spray bottle and water
- Paper towels

The 3M™ Headlight Restoration Kit is designed to improve the clarity of headlight lenses that have become yellowed, cloudy, or hazed over time. By improving the clarity of the headlight lens, you improve the performance of the headlight and enhance the appearance of the vehicle.

Headlight lenses have either a hard surface layer or a UV resistant coating on the outer surface of the lens. Once a lens has been degraded by the sun (UV light) and becomes yellowed or cloudy, it is necessary to remove that yellowed layer in order to improve the clarity of the lens. The effort required to improve the headlight lenses will vary greatly by vehicle manufacturer, year, make, model, and headlight design.

**Note:** Large or hard-to-sand lenses may require more than one kit.

With this 3M™ Headlight Restoration Kit you will sand by hand to remove the yellowed layer from the headlight lens surface. Three additional sanding steps will follow to refine or reduce the sand scratches that are made when removing the yellowed layer. Finally, 3M™ Rubbing Compound and a foam pad will remove the fine scratches and deliver the final clarity on the headlight lens. This will all be done by hand, no tools required.

## Directions for Use

1. Clean the lens with soap and water.
2. Protect trim and painted surfaces around the headlight lens with masking tape. Damage can occur if these surfaces are not protected.

To reduce the amount of masking and to have better access to the headlight lens, open the hood.

If you hit any painted areas while sanding, stop and add additional masking tape to protect that area.



3. Attach and center a Gold (P500 grit) sanding disc onto the black face of the orange foam pad as shown in the picture below.



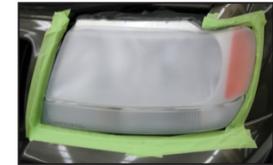
4. Using high pressure, sand to remove the yellowing and surface defects from the lens (see picture below). Sand in a circular or back-and-forth pattern, whichever is most comfortable. Frequently wipe the sanding disc and headlight lens with a paper towel or cloth to remove the excess sanding dust. If the disc is no longer removing material, replace with a new Gold (P500 grit) sanding disc and continue sanding until the yellowed layer on the headlight lens is completely removed.



5. Wipe off the lens and inspect to ensure all the yellowing has been completely removed. If yellowing or portions of the surface layer still exist, continue sanding with Gold (P500 grit) discs until they are completely removed.



Continue Sanding



Proceed to Next Step

**Note:** The lens should have a white, evenly sanded surface that appears to look “frosted.” If any portion of the lens looks clear, glossy, or uneven; continue sanding before moving to the next step.

6. Remove the Gold (P500 grit) sanding disc. Attach and center a White (P800 grit) sanding disc to the orange foam pad. These are the white sanding discs with purple printing on the back.



7. Using medium to high pressure, begin sanding to reduce the sand scratches on the lens. Frequently wipe the sanding disc and headlight lens with a paper towel or cloth to remove excess sanding dust. If the disc is no longer removing material, replace with a new white (P800 grit) disc and continue sanding. Make several passes over the entire lens to be sure the Gold (P500 grit) sand scratches from the previous sanding step are reduced to the finer White (P800 grit) scratches.
8. Wipe the lens, notice the scratches are finer. If any coarse scratches are visible, continue sanding that area with the White (P800 grit) disc until the coarse scratches have been reduced.

**This kit should not be used on Glass. This kit will not remove moisture or defects on the inside of the headlight lens.**

## Directions for Use (continued)

9. Remove the White (P800 grit) sanding disc. **There are two greenish-gray foam sanding discs, they are different. Attach and center the Green/Gray (P1000 grit) foam sanding disc to orange foam pad. This is the darker colored, more aggressive/rougher of the two Green/Gray foam sanding discs that has a 1000 printed on the backside.**



10. Using a spray bottle, apply enough water to dampen the Green/Gray (P1000 grit) foam sanding disc and the lens surface before sanding.



Using medium to high pressure, begin sanding to reduce the White (P800 grit) scratches to Green/Gray (P1000 grit) scratches. **Add a mist of water to the surface if it becomes dry while sanding.**

Make several passes on the surface of the lens. Avoid sharp edges or alignment pins on the lens to extend the life of the discs as this one disc will also be used for the other headlight lens. While sanding, a white residual or slurry on the lens indicates you are reducing the sand scratches.



**Tip:** Extra sanding on this step will make the next step easier and improve the final clarity of the headlight lens.

11. Wipe the lens, you will notice the scratches are much finer and the lens appears somewhat clear. If any coarse scratches are visible, mist the area with water and continue sanding with the Green/Gray (P1000 grit) disc.
12. Remove the Green/Gray (P1000 grit) foam sanding disc.

13. Attach the Green/Gray (P3000 grit) foam sanding disc to the orange foam pad. **This is the lighter colored, less aggressive/smoothier of the two Green/Gray foam sanding discs.**



14. Using a spray bottle, apply enough water to dampen the Green/Gray (3000 grit) foam sanding disc and the lens surface before sanding.



Using medium to high pressure, begin sanding to reduce the Green/Gray (P1000 grit) scratches to the Green/Gray (P3000 grit) scratches. **Add a mist of water to the surface if it becomes dry while sanding.** Make several passes on the surface of the lens. Avoid sharp edges or alignment pins on the lens to extend the life of the discs as this one disc will also be used for the other headlight lens. While sanding, a white residual or slurry on the lens indicates you are reducing the sand scratches.



**Tip:** This is the last sanding step; extra sanding time on this step will significantly improve the final clarity of the headlight lens.

15. Wipe the lens, you will notice the scratches are much finer and the lens appears somewhat clear. If any coarse scratches or hazy areas are visible, mist the area with water and continue sanding with the Green/Gray (P3000 grit) foam sanding disc.
16. Remove the Green/Gray (P3000 grit) foam sanding disc.

17. Flip the orange pad over and use the opposite side (not the side with the black Hookit™ attachment) to polish out the remaining scratches. Dispense a quarter-sized amount of 3M™ Rubbing Compound onto the orange pad as pictured below. Smear the compound around the surface of the headlight lens.



Using high pressure, rub the surface of the lens to remove the sanding scratches. When the orange pad becomes dry, continue by adding another quarter-sized amount of Rubbing Compound until the sand scratches have been removed and the lens is clear. **If additional clarity is needed or desired, add another quarter-size amount of rubbing compound and continue rubbing the headlight lens.**

**Note:** If sanding scratches are still visible on lens, repeat steps 10-17 to remove them.

18. Remove the masking tape and wipe the headlight lens using a soft, clean microfiber cloth.

**⚠ WARNING:** Always wear appropriate personal protective equipment (eye, skin and respiratory). Sanding dust may contain hazardous substances that can cause serious injury from repeated exposure. Provide appropriate local exhaust (or dust capture) while using this product. Minimize dust exposure to bystanders. Do not use with a power tool.

**NOTICE:** To avoid damaging pad, do not use hot water, strong alkaline detergents or solvents. Do not machine wash or dry. Use care around trim or moldings.

**WARNING!** May cause eye and skin irritation. Vapor harmful. May irritate the nose and throat and cause dizziness, headache or nausea. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal. Contains a chemical (s) which can cause cancer.

**CONTAINS:** Rubbing Compound - Water (7732-18-5); Silica (7631-86-9); Hydrotreated Light Petroleum Distillates (64742-47-8); Kaolinite (1318-74-7); Solvent-Refined Heavy Paraffinic Petroleum Distillates (64741-88-4); Oleic Acid (11-82-0-1); Quartz Silica (14808-60-7); Glycerin (56-81-5); Mineral Oil (64741-89-5); Illite (12173-60-3); Poly(oxyethylene) Sorbitan Monostearate (9005-67-8).

**PRECAUTIONS:** Avoid eye and prolonged skin contact. Avoid breathing dust or vapors. Use only with adequate ventilation. Do not swallow. Wash thoroughly after handling. Close container after each use.

**KEEP OUT OF REACH OF CHILDREN.**

**FIRST AID INFORMATION: Eye Contact:** Flush eyes with large amounts of water. If signs/symptoms persist, get medical attention. **Skin Contact:** Wash affected area with soap and water. If signs/symptoms develop, get medical attention. **Inhalation:** Remove person to fresh air. If signs/symptoms develop, get medical attention. **If Swallowed:** Do not induce vomiting. Get medical attention.

**VOC INFORMATION:** Please consult State and Local Regulations. This Product: VOC equal to 15.5% VOC (186 grams/liter, 1.56 lbs/gallon).

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Additional Product Safety and Health Information Source: Material Safety Data Sheet (29-6831-1) or:

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Sanding Discs made in USA with US and globally sourced materials, Foam Pad made in Germany, Compound & Gold Sanding Disc made in Canada.  
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