



FOR GOLF CARTS

Product Code #3KGLFRD

Golf cart windshields are made today from either acrylic or polycarbonate. This kit is designed to remove light surface damage from both and will restore approximately 100 square feet of plastic. You will be able to remove light surface haze, swirl marks and scratches and your windshield will become clearer and brighter with each subsequent use. If you are uncertain what type of plastic your windshield is made of, test as outlined in Section D, prior to using this kit.

A. TOOLS REQUIRED:

1. Drill - cordless, air or electric (Rated at no more than 3,000 RPM)
2. (1) Spray bottle - approximately 10 ounce capacity (For clean water)

B. LIST OF CONTENTS:

1. (1) Back-Up Pad 4.75 inch diameter
2. (1) 5" diameter TufBuf black natural wool polishing pad
3. (1) 8 ounce Bug Blaster Spray
4. (1) 8 ounce BLUE label Micro-Gloss Liquid Abrasive & Polish
5. (1) 8 ounce GREEN label Micro-Gloss#5 Liquid Abrasive
6. (2) Flannel Cloths
7. (2) 1500 grade Micro-Mesh® 5" Loop back discs
8. (2) 2400 grade Micro-Mesh® 5" Loop back discs
9. (2) 3600 grade Micro-Mesh® 5" Loop back discs
10. (1) Pink/White/Gray Buffing Stick for testing the plastic
11. (1) 8 ounce YELLOW label Final Finish Protectant
12. (1) 5" sponge polishing pad
13. (1) Laminated Instructions

C. PREPARING FOR THE BEST RESULTS:

1. To avoid scratching plastic surfaces, do not wear watches, rings or bracelets. Long fingernails should be covered with gloves.
2. Always keep the work surface and restoral materials clean. Contamination can cause scratches.
3. Work with adequate light. Set a bright light on the side opposite your restoral side. Place the light at an angle.
4. Read the restoral instructions carefully and review the kit contents before starting.
5. Restore one side of the window thoroughly prior to doing the other side.
6. **Remove all bug residue from your windscreen using BUG BLASTER spray prior to beginning this procedure.**
 - Spray onto bug residue.
 - Let soak in 1-4 minutes: if the surface dries during this time, re-wet with Bug Blaster
 - Simply wipe off residue with clean, soft flannel

D. DETERMINING WINDOW TYPE, DAMAGE AND STARTING POINT:

To determine whether or not your windshield is acrylic or polycarbonate perform the following procedure in an inconspicuous area of the windshield. Using the Pink portion of the 3-way buffing stick included with this kit, sand by hand a 2" square area using a straight line sanding motion. Sand in only one direction. You should see white dust (plastic residue) appearing as a result of sanding. Next, using the White portion of the buffing stick and sanding in the opposite direction as the previous step – you should be able to remove the scratch pattern left from the Pink sanding step if your windshield is acrylic. The only thing remaining should be scratches from the white abrasive step going the opposite direction. Next use the gray portion of the buffing stick to remove the scratches left from the white abrasive step. By now your test area should be nearly clear. If so – your windshield is acrylic. **Follow all the instructions below except where noted otherwise.**

If you still see the previous scratches, and there was no residue coming off as you were sanding, your windscreen is polycarbonate. We do not suggest performing the sanding steps. Instead, SKIP TO THE BUFFING PORTION, STEP F.

E. THE SANDING PROCESS TO REMOVE DAMAGE:

Please note: the sanding process will initially appear to make the appearance of your windscreen worse than it was prior to using. This is expected. As you progress thru the steps, the windscreen will become clearer and clearer. Do not perform these steps if your window is polycarbonate, but instead skip to Step F below.

1. Make sure the power drill is fully charged prior to beginning. Attach the soft back-up pad into the drill and secure tightly. Attach the white loop backing of the 1500 grade Micro-Mesh sanding disc to the hook of the back-up pad in the drill making certain it is centered properly on the pad.
2. Spray the surface with water. Start the drill after making contact with the windscreen. Cover the entire surface of the windshield using long, sweeping motions. At regular intervals, change the directions of the sweep to perpendicular of the previous motion. The damage is removed when all that can be seen is the pattern left by this Micro-Mesh step. You should spend approximately 5 minutes per square foot of windshield. DO NOT work on both sides of the window at the same time. Completely restore 1 side before going to the next.
3. Change sanding discs, using the 2400 grade Micro-Mesh and repeat using the above process until you have removed the 1500 grade Micro-Mesh scratch pattern. Be sure to spend the same amount of time in each area of the windshield to ensure consistency.
4. Change sanding discs, using the 3600 grade Micro-Mesh and repeat using the above process until the 2400 previous scratch is removed.

F. THE BUFFING PROCESS TO RESTORE CLARITY:

If your windscreen is polycarbonate begin with **STEP #1** below:

If your windscreen is acrylic and the above sanding steps have been completed, begin with **STEP #2**.

1. Remove the sanding disc and replace it with the black lambswool pad, making sure to center it on the back-up pad. Wet the surface with water. Apply approximately 1 tablespoon of the GREEN labeled Micro-Gloss #5. Shake the Micro-Gloss well before using. Start the drill after making contact with the windscreen. Adjust the speed of the drill for ease of use. Using long, sweeping motions, buff the windscreen in an up and down, left to right, corner to corner process, spending approximately 5 minutes per square foot. If the windscreen becomes dry, stop and apply more water – do not buff on a dry surface.
2. Rinse the windscreen and dry. Thoroughly rinse out the abrasive from the lambswool pad. Re-wet the plastic with clean water and repeat the above, but using the BLUE labeled Micro-Gloss. Make sure to shake the Micro-Gloss well prior to using. Apply approximately 1 tablespoon of the Micro-Gloss BLUE label to the window and repeat the above process.
3. Rinse the windscreen and dry. Remove the lambswool pad and replace it with the soft sponge pad. Re-wet the plastic with clean water and repeat the above, again using the BLUE labeled Micro-Gloss. Apply approximately 1 tablespoon of the Micro-Gloss BLUE label to the window and buff 3-5 minutes per square foot. Rinse any abrasive residue from the sponge pad.
4. Rinse and dry the windscreen with the enclosed flannel cloth. Lightly mist the window with clean water. Apply 1 tablespoon of the YELLOW labeled FINAL FINISH to the windscreen and buff in completely, using the sponge pad. Wipe surface clean with a dry flannel cloth and check for any missed areas by visually inspecting the surface. If damage is still visible, repeat the buffing process again, spending more time.

G. PROPER STORAGE FOR FUTURE USE:

1. Rinse the lambswool, sponge pad and sanding discs thoroughly with clean water and a few drops of mild dish soap. Do not soak for extended periods of time or process thru an automatic washer and dryer. Air dry the pad completely before storing away.
2. Rinse the flannel cloth being careful to remove any abrasive grit and then thoroughly dry before storing.

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