



Your plane, your pride

3M™ Aviation Paint Restoration Kit Notes

Read All Notes Before Starting Work on your Aircraft!

Buffing Notes

- This paint restoration kit was designed to improve the quality and appearance of cured paint systems. The system is designed for buffable paints and clear coats and has not been evaluated on all paint systems. Please refer to the paint manufacturers instructions to determine buffability. We suggest you trial the system first on some 2 foot by 2 foot panels painted with your system. This will provide familiarization with the tools and products in the kit before starting on your aircraft.
- Insure the aircraft is clean before proceeding with the paint restoration process.
- Do not use the product on dark blue, black etc, unless the paint has a clearcoat on top of the paint basecoat. Buffing directly on a dark color may change the color of the paint.
- 3M™ Perfect-It™ Detailing Cloths (Yellow) may be washed, do not use fabric softener.
- The 3M™ Perfect-It™ Wool Buffing Pads are not designed to washed.

Cautions

Do NOT allow the compounds to freeze! The compounds will be rendered ineffective if frozen.

- Use Caution when buffing on flexible substrates. Substrate flexibility may allow the compounds to cut through the paint.
- Read product label and MSDS before using. Follow all precautions and directions for use.
- Do not buff on rivets or screw heads that are not flush with the surface. Contacting rivets, screw heads or other small upset items may result in paint removal from these items. In addition, Caution must be excersized when buffing over raised rib stitching or fixtures. Insure all button head rivets and raised elements are covered with 3M™ Vinyl Tape 471 before buffing.
- Caution: Insure 3M™ Buff Pad Adapter is installed on the buffer shaft BEFORE attaching wool head or foam backup pad. Failure to utilize this adapter may result in damage to the aircraft.
- Use Caution when working on control surfaces with sharp edges, buffing heads may catch these edges and cause injury to personnel and potential damage to equipment.

Disposal Instructions

- Disposal of used buff heads, compound and empty containers must be in accordance with local rules and U.S. EPA regulations.

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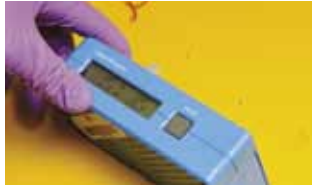
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3M™ Aviation Paint Restoration Kit Instructions



Note: Work small areas or as sections. Approximately an 18 square inch area is recommended.

A. Clean the paint surfaces to be buffed.

B. Cover all universal (buttonhead) rivets with small pieces of the 3M™ Vinyl Tape 471 in your kit.

Rivets “as is” before taping



Rivet Taped



C. Buff the area with 3M™ Aviation Rubbing Compound. Apply enough compound (approx 3/8 inch by 8 inch ribbon) to work an 18 inch square area. For best results, use enough polish to leave a thin wet film on the surface during the buffing process.



D. Use a buffer, 3M™ Buff Pad Adapter and 3M™ Wool Buffing Pad. Buff at 1400-1800 RPM. Use medium pressure to start, approximately 5 LBS, then reduce to almost no pressure as you finish. Buff for approximately 10-15 seconds or until you see the luster of the finish return. Do not over buff the paint, the goal above is to remove oxidation, small scratches, and otherwise improve the appearance of the paint finish.



E. Remove the small pieces of vinyl tape covering the button head rivets.

F. Remove excess 3M Rubbing Compound from the polished and surrounding area. Use a folded 3M™ Perfect-It Detailing Cloth and an acceptable solvent. Use only ONE of the wipes for this product and keep it separate.



G. Remove the swirl marks created in Step A above by using 3M™ Finishing Compound. Apply enough Compound (approx 3/8 inch by 8 inch ribbon) to work a 18 inch square area.



H. Using a 3M™ Perfect-It™ Backup Pad and 3M™ Buff Pad Adapter and the 3M™ Perfect-It™ Foam Polishing Pad, polish using medium pressure on 2-3 passes over the work area for approximately 10-15 seconds. Utilize an electric buffer at 1000 RPM.



I. Remove excess 3M Finishing Compound from the polished and surrounding area. Use a clean folded 3M Perfect-It Detailing Cloth and an acceptable solvent insuring surging (sewn edges) do not rub the skin. Surging may leave an undesirable rag mark.



Do NOT reuse the cloth used for wiping the 3M Rubbing Compound. This may cause scratching on the polished area.

J. You may now apply wax to protect the finish, if so desired.



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