



SERVICE LETTER

No. 573

Piper Aircraft Corporation

Lock Haven, Pennsylvania, U.S.A.

March 4, 1971

<u>Subject:</u>	Sealer for B. F. Goodrich Propeller De-Icer and Strap (reference attached B. F. Goodrich Service Bulletin No. E-68-36B, Issued 9/26/68, Revised 7/30/70).
<u>Models Affected:</u>	Reference attached B. F. Goodrich Service Bulletin No. E-68-36B; <u>Applicability</u> .
<u>Serial Numbers Affected:</u>	Not applicable.
<u>Compliance Time:</u>	Reference attached B. F. Goodrich Service Bulletin No. E-68-36B; <u>Discussion</u> .
<u>Purpose:</u>	To provide distribution of B. F. Goodrich Service Bulletin No. E-68-36B.
<u>Instructions:</u>	Reference attached B. F. Goodrich Service Bulletin No. E-68-36B.

BALANCE OF SERVICE LETTER FORMAT NOT APPLICABLE.



Subject: Sealer For B.F. Goodrich Propeller De-Icer and Strap

Applicability: Propellers using Mil-G-23827 grease or equivalent

Discussion: Greases conforming to Mil-G-23827 (recommended for use with certain propellers in cold weather) tend to soften the cement holding the De-Icer to the blade. When installing new De-Icers or for protection of already installed De-Icers, the following sealing procedure should be used.

Procedure: 1. New Installations

- a. Install propeller De-Icer per B.F. Goodrich De-Icer Installation Manual Report No. 59-728D through Step 3d. (Subsequent issues of 59-728 contain these sealing instructions.)
- b. Locate masking tape approximately 1/8" beyond cemented area around De-Icer to allow application of filler directly to metal. Apply one even coat of filler over 1/8" of bare metal, cemented area, and about 1/8" of De-Icer. See Fig., Section X-X. Insure that a fillet of filler completely covers area between De-Icer strap and blade. See Figure. Immediately remove masking tape and allow filler to dry for six hours.
- c. Apply new masking tape approximately 1/8" beyond filler to allow application of sealer directly to metal. Either sealer may be used with filler.

- d. Apply one even brush coat of sealer over 1/8" of bare metal, filled area and 1/4" of De-Icer. See Fig., Sections X-X and Y-Y. Insure that sealer completely covers area between De-Icer strap and blade. See Figure. Immediately remove masking tape and allow to dry for 24 hours before starting engine.

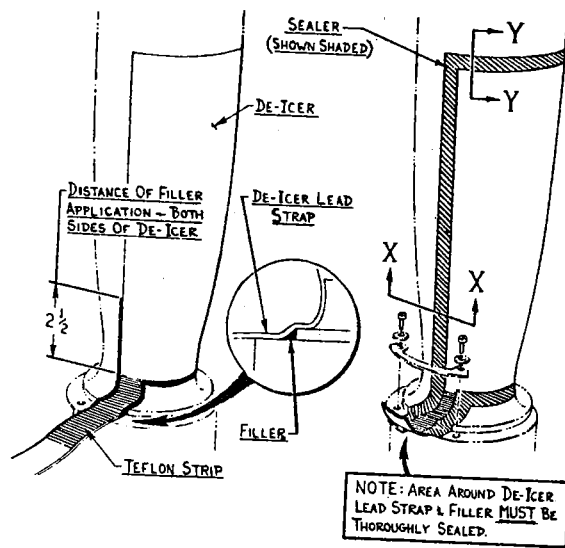
2. Previously Installed De-Icers

- a. Check edges of De-Icers for looseness or peeling. De-Icers loosened due to destruction of adhesive bond by lubricants do not respond well to recementing. Therefore, installation of a new De-Icer or removal, cleaning, and reinstallation of the old one is recommended, but is not mandatory. See Report 59-728D for removal and installation procedure.
- b. Clean an area 1/2" wide around the circumference of the De-Icer down to the bare metal. Clean area thoroughly with MEK or Acetone.
- c. Clean outer 1/2" of all De-Icer edges and back under De-Icer about 1/4" on all sides past loosened areas with MEK or Acetone. For final cleaning, quickly wipe off solvent with a clean, dry, lint-free cloth to avoid leaving a film.
- d. Recement loosened areas (if any) of De-Icer per Report 59-728D, Steps 2b through 3d, and apply filler and sealer per Steps 1b thru 1d.

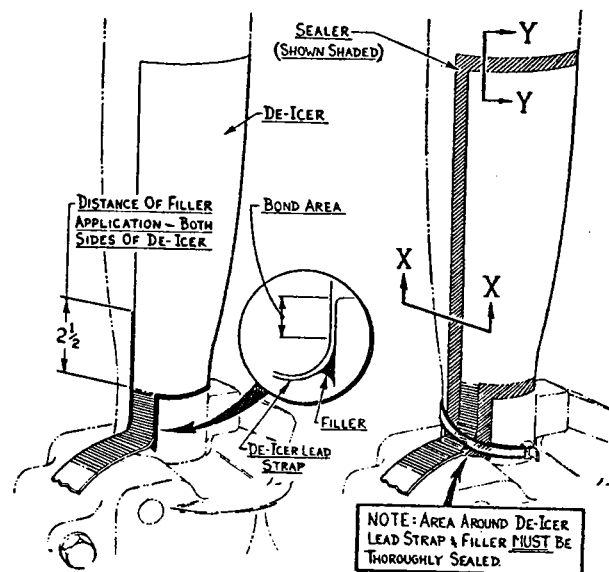
TABLE-SEALING MATERIALS

Mix all materials thoroughly and in the proper proportions

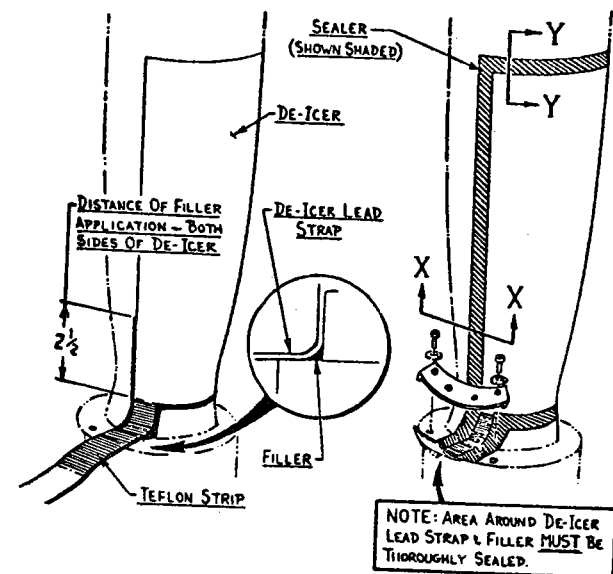
MATERIAL	MANUFACTURER & NO.	MIXING PROPORTIONS
FILLER	3M (Minn. Mining & Mfg.) EC1031 and EC801	Twelve parts EC1031 with one hundred parts EC801
SEALER	BFG 82-076-1 and -2 Lowe Brothers C-19861, C-21871 and C-16176	Twelve parts -1 with one part -2 One part C-19861 with seven parts C-21871 (with up to two and two-thirds parts C-16176 thinner, as needed.)



Typical McCauley Propeller



Typical Compact-Type Hartzell Propeller



Typical Standard-Type Hartzell Propeller

