

## Service Instruction

No. 21

**Date:** 8.30.1985

**Subject:** Fibreglass Leading Edge

**Description:**

This Service Instruction supplies all instructions to repair the unglued or cracked ribs of fibreglass leading edge.

**Applicable on:** All P68s, P68Bs, P68Cs up to and including S/N 250 with the exception of S/N 243.

P68C-TCs up to S/N 300-22TC.

**Weight and balance change:** //

**Publications attached:** //

**Instructions (Unglued rib):**

1. Remove fibreglass leading edge (Ref. Maintenance Manual);
2. To ascertain the exact entity of damage, carefully inspect leading edge;
3. With reference to the unglued areas of the rib, remove the old gluing bends;
4. Rub down, by medium-grained emery paper, and clean the areas subject to sticking grip;
5. Cut and shape new gluing bends type "VETROFIL CM 631-E 450" (450 gr/sq.mt) or similar;
6. Imbue, by brushwork, the shaped bends, by appropriately catalyzed polyester resin (Specification MIL-R-7575 C), then apply them;
7. Superimpose a fibreglass fabric with fibers at 90 degrees, type "POLY-X-5" or similar, imbue by polyester resin;

CAUTION: AVOID THE FORMING OF AIR BUBBLES BETWEEN THE TWO UNGLUED LAYERS.

8. After drying process, check repaired areas for absence of defects;
9. Reinstall leading edge (Ref. Maintenance Manual).

NOTE:

REPAIR RELIABILITY DEPENDS ON ITS EXECUTION

For cracked ribs, follow the above instructions excluding item 3.

**Time of compliance:**

- A. If the disconnections, in the corner rib area, or the cracks are shorter than 30 mm., number ribs independent, within next FIFTY (50) hours inspection;
- B. If the disconnections, in the corner rib area, or the cracks are longer than 30 mm. and the number of the ribs subject to defect is smaller than FIVE (5), within next FIFTY (50) hours inspection;
- C. For all other cases, IMMEDIATELY.