



(This Service Letter is FAA Approved)

This Service Letter is reidentified as
Service Bulletin **EM 20-97**
per Service Instruction M20-15.

SUBJECT: Installation of 310141 Sealing Strip Assembly Windshield Cowling

MODELS AFFECTED: M20A, M20B, M20C, Serial Numbers 1201 thru 2296

TIME OF COMPLIANCE: At Owner's Discretion

INTRODUCTION

The purpose of this service letter is to introduce to you the new sealing strip for the windshield cowling. This sealing strip will be standard equipment on our 1963 Model M20C, and we feel it is a far superior method of sealing than the existing arrangement. This sealing strip has proven successful in the tests to which we have subjected it. Although the use of this sealing strip is not mandatory, we recommend the use of it on the M20A, M20B, and M20C aircraft.

INSTRUCTIONS

1. Remove 310046-3 (3251) access panels.
2. Remove 310045 (3250-1 & -2) windshield outer flange.
3. Remove 310047 (3252) windshield center strip.
4. In aft end of 310140 (3524), add a cutout .69" wide by .25" deep, to start .45" from aft end of 310140 (3524).
5. Cut .75" from aft end of 310028 stiffener, located on the under side of 310046-3 (3251) access panel, to clear the drain bead in 310141-1 sealing strip.
6. Align the holes in 310141 and 310046 (3251) and back drill the forward holes in 310046 (3251) to match 310141.
7. Secure 310141 to 310092 (3379) with the original hardware. Drill 310092 (3379) to match 310141 and countersink for AN426AD3 rivet (32 places). Remove 310141 and apply a brush coat of PR1321-B2 sealer to the forward edge of 310029 (3379) cowling and on the rear under side of 310141. Install AN426AD3 rivets (32 places).
8. Drill 310140 (3524) to match 310141 (typ. 2 places) and install AN426AD3 rivets.
9. Remove hardware used to secure 310141 to 310092 (3379) while drilling and riveting.
10. Re-install 310046 (3251) access panels.
11. Drill .250 diameter hole 1.50 up from lower end of 310046-3 (3251) (typ. both sides). Hole to be centered over bead in 310141-1.
12. Wash windshield with soap and water to remove calk used to seal 310045 (3250-1 & -2) and 310047 (3252).
13. Apply a brush coat of PR1321-B2 sealer to the windshield and windshield cowls in the area under 310045 (3250-1 & -2) and 310047 (3252).
14. Apply a brush coat of PR1321-B2 sealer to the under side of 310045 (3250-1 & -2) and 310047 (3252) and re-install.

COMPLIANCE

After installation of this kit, fill out the enclosed compliance card and return it to Mooney Aircraft for our records.

PARTS LIST S.L. Kit 20-97

1. 310141-1 sealing strip assembly (1)
2. AN526-832R6 screws (24)
3. AN530-8R8 screws (6)
4. AN426AD3-3 rivets (40)
5. PR1321-B2 sealer (½ pint)
6. Scotch Calk (1 box)

This kit may be purchased from Mooney Aircraft Spare Parts Department, P. O. Box 72, Kerrville, Texas, at a cost of \$12.50 new.

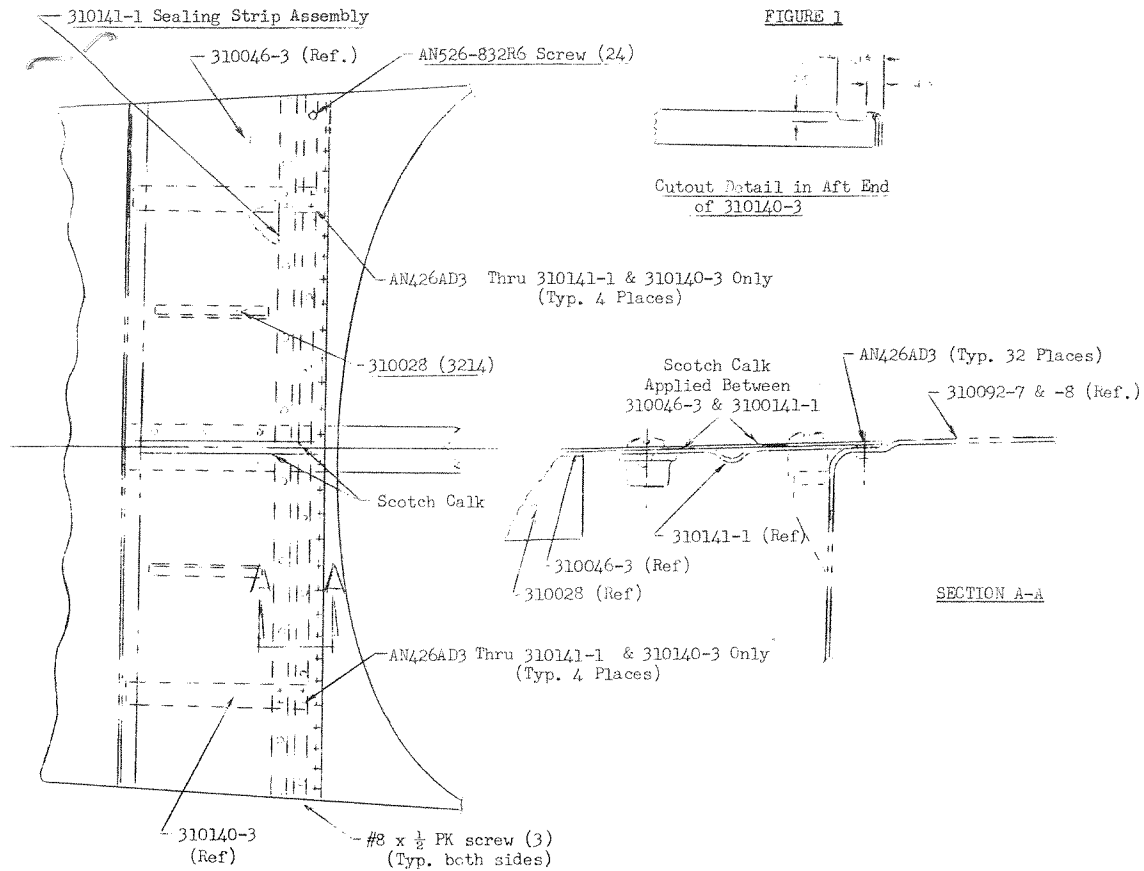


FIGURE 2

