



SERVICE INSTRUCTION **SI0028** Rev C Page 1 of 5

This Service Instruction is issued per the requirements of ASTM F2295 and falls under the category of Service Notification.

EFFECTIVE DATE: This Service Instruction is effective **November 9, 2012.**

SUBJECT: *DOOR AND WINDOW SEAL INSTALLATION*

MODELS AFFECTED: *CC11-100,CC11-160*

COMPLIANCE TIME: *Compliance with this Service Instruction is optional*

CONTINUED INSPECTION: *100 Hour/Condition Inspection*

PURPOSE: *To provide seals for various gaps to prevent excessive drafts in the cabin.*

PARTS LIST:

<u>PART</u>	<u>DESCRIPTION</u>	<u>QTY*</u>
RM4905-002	3M Acrylic Foam Tape, 1/2" – Black	80 in.
RM7740-003	Ensolute Foam Seal, .250	144 in.
RM7740-005	Ensolute Foam Seal, .125	216 in.
SP23001-001	D-Profile Sponge Rubber Seal	120 in.
Customer Supplied	Silicone (preferably black)	AR

**Note: Quantities are approximate and should exceed actual lengths required.*

NOTES:

- A. Verify a tight seal by shining a light around the edges of the closed door / windows. Where light shines through, adjust the seal thickness by selecting RM7740-003 or RM7740-005 as required for proper fit. Thickness adjustments may also be made by adding layers of double sided foam tape (RM4905-002) under the seal or trimming the top of the seal with a razor. Trim the width of any foam tape as required to match seal.
- B. All cut lengths are reference only. Use as a guide but cut to fit.
- C. Do not apply foam seal in a curve or around a corner. Each piece of foam seal should go in a straight line. If it turns a corner it needs to be cut at that point as the backing is too stiff and will unstick itself in a short period of time.

INSTRUCTIONS:

1. Read all instructions before beginning any work. Ensure any areas where the foam seal will be applied are free of any oil, dirt, grease etc. If necessary clean using rubbing alcohol or other light cleaners that won't damage the finish.
2. Install foam seal (RM7740-003 or RM7740-005) on lower door as shown in Figure 1.



FIGURE 1 – Foam Seal on Door

3. Close one window at a time and mark a line where the top edge of the door (right side) and interior panel (left side) meet the window. You can reach across the cabin from the opposite open window or do it from the inside of the airplane (see Figure 2).



FIGURE 2 – Window Marking

4. Install seals on the left and right side windows per Figure 3.

The D-profile seal (SP23001-001) should be applied along the top of the window and approximately 1/4"-3/8" back from the forward edge of the window.

Apply the foam seal at the bottom of the window so it just covers the line drawn in step 3. The goal is to have the foam seal JUST above the top edge of the door (right side) or interior panel (left side), too high and it won't do its job, too low and it will interfere with closing the window. On the right side, the lower door has a joggle in the top edge. Stop the foam seal at the joggles and put a piece stepped down, overlapping the ends as shown in Figure 4.

Install the foam seal along the aft edge of the left and right side windows using the same method as described for the bottom edge of the windows.

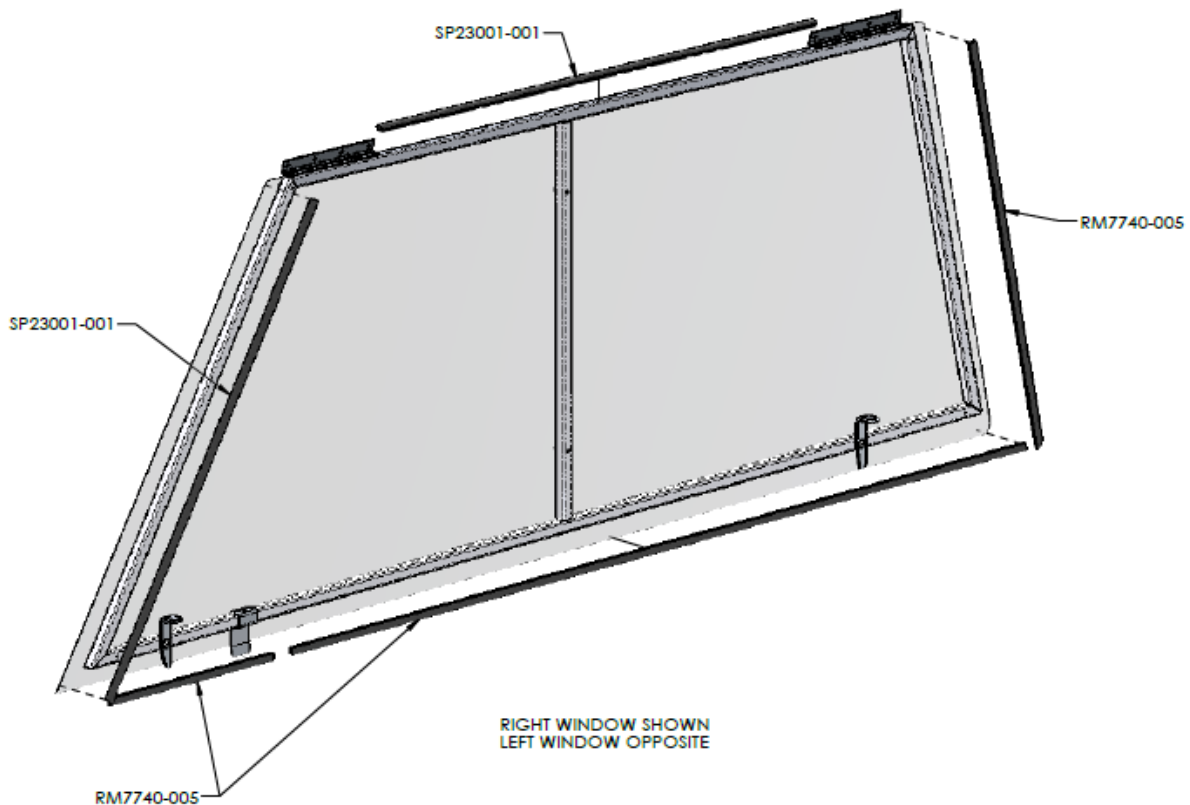


FIGURE 3 – Window Seals

NOTE: The part numbers provided for the foam seals in Figure 3 are the expected thicknesses, and these should be adjusted as needed.

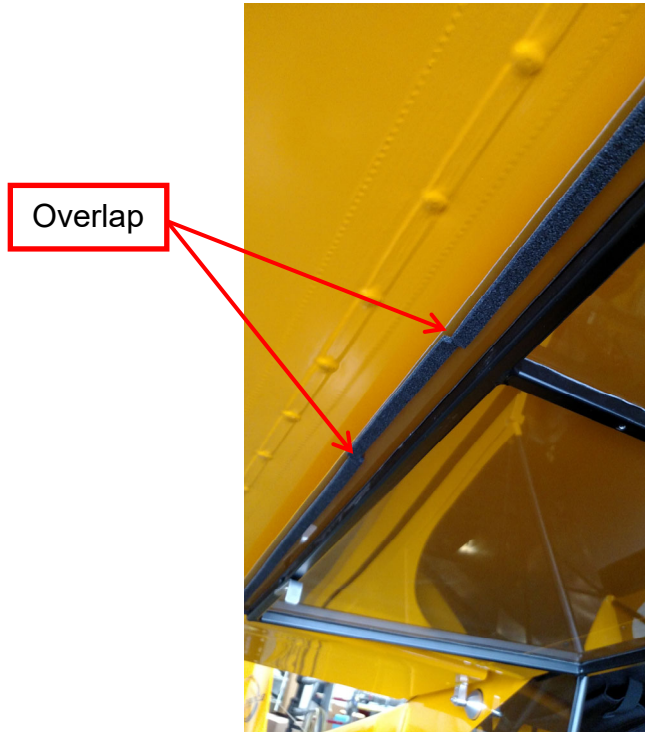


FIGURE 4 – Foam Seal (RH Window Shown)

5. Install (RM7740-005) foam seal on all four upper window hinges as shown in Figure 5 (Optional).



FIGURE 5 – Foam Seal on Window Hinges

6. Tape off aft edges of the windshield and windshield channel along the left and right door post and seal with silicone, preferably black (see Figure 6).

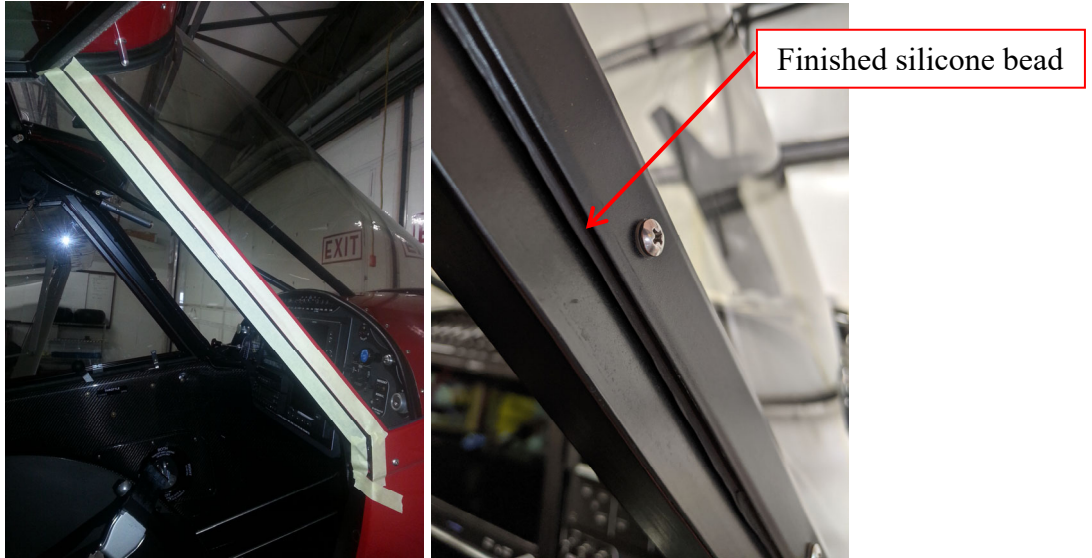


FIGURE 6 – Silicone Seal

7. Make logbook entry that SI0028 Rev C was complied with. Changes to weight & balance are considered negligible.

If you are no longer in possession of this aircraft, please forward this information to the present owner/operator and notify Cub Crafters, Inc. Contact the customer service department at:

Cub Crafters, Inc.
1918 S. 16th Avenue
Yakima, WA 98903
1-877-484-7865 or 1-509-248-9491
support@cubcrafters.com

Please include the aircraft registration number, serial number, current name, and address of the owner and/or operator.