

30 January 1976

SERVICE BULLETIN - 105

RALLY VENT MODIFICATION

A partial circumferential load tape should be installed, according to instructions contained herein, on the outside of the envelope to reinforce the vent area. The tape should run horizontal at the top of the maneuvering vent. It should be installed on your Rally hot air balloon immediately if your balloon has more than 50 hours of flight time, or within one month or 50 hours total flight time, whichever comes first.

Sew the one inch wide nylon tape, which is enclosed, circumferentially starting at seam 2A and sew continuously across seams 1C, 1B, and up to vent opening, Seam 1A. (Be careful to hold vent flaps out of the way.) The circumferential tape should cross the vent opening at the extreme top of the opening as shown in Drawing B-14527. At the very top of the vent opening lay the vent edge tapes one on top of the other as would be the case with the vent closed. Move the inner vent flaps out of the way and starting on the right hand side of seam 1A sew to seam 12A crossing seams 12C and 12B. Terminate and back stitch 1/2 inch on seam 12A. Cut off excess tape and loose threads.

The tape should be sewn using two rows of lock stitches with 1/2 to 3/8 inch between rows. Polyester thread having a minimum breaking strength of 8.0 lbs should be used. (Thread type MIL-T-285, Type I or II, Class 1 or 2, size "E" or "F" is approved.)

The final step in securing the circumferential tape consists of sewing a box "X" stitch pattern, as shown, over the area where the circumferential tapes cross the vent edge tapes. Again, use caution NOT to include the internal vent flaps in the stitching.

After making the above change, make appropriate entry into aircraft log book, and complete the enclosed form which must be returned to Raven.

**RAVEN**

industries, inc.

BOX 1007 SIOUX FALLS SOUTH DAKOTA 57101 PHONE 605-336-2750

SERVICE BULLETIN 105

When the requirements of Raven Service Bulletin 105 have been completed, please fill in the information requested below and return to Raven.

Serial Number: RX6-

Registration Number: N.

Owners Name: \_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_

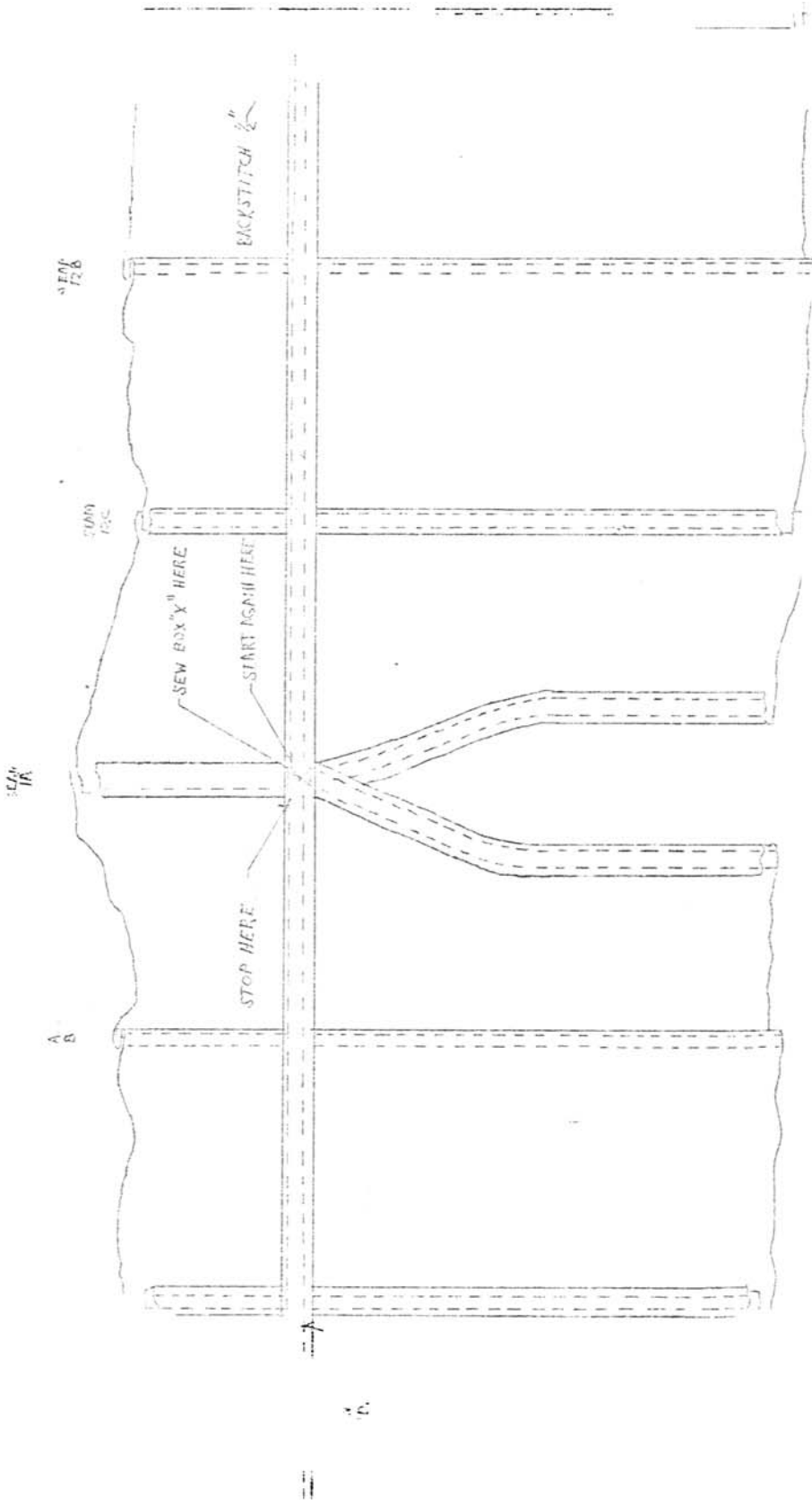
\_\_\_\_\_ Zip \_\_\_\_\_

Number of Hours on Aircraft When Work Was Completed: \_\_\_\_\_

Date Work Completed: \_\_\_\_\_

Signature of Person Performing the Work: \_\_\_\_\_

\_\_\_\_\_



O T ' D F O O W R O S ' E N T ' A L ' E T I D I A T

**RAVEN**

industries, inc.

1007 SIOUX FALLS SOUTH DAKOTA 57101 PHONE 605-336-2750

I M P O R T A N T

RX6-\_\_\_\_\_

records indicate that you are the registered owner of this aircraft.

If you are no longer the owner of this aircraft, please complete the bottom portion of this notice and return the Service Bulletins and load tape to Raven immediately.

Thank you.

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Name: \_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

I am no longer the owner of Rally RX6-\_\_\_\_\_

To the best of my knowledge the current owner is:

Name: \_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_