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Service Bulletin No. SB-AG-15

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April 24, 1979

RUDDER UPPER HINGE INSPECTION

MODELS AFFECTED: Model S2-R, S/N 1416 thru 2439: S/N 5000 thru 5100.  
REASON FOR PUBLICATION: Inspect for possible cracks in rudder upper hinge.  
COMPLIANCE: Within 25 flight hours upon receipt of this service bulletin and every 100 hours there after up to 300 hours; then annually thereafter.

NOTE

IF ANY PROBLEMS ARE ENCOUNTERED WHILE COMPLYING WITH THIS SERVICE BULLETIN, CONTACT YOUR NEAREST AYRES THRUSH DEALER.

BY WHOM WORK WILL BE ACCOMPLISHED: A & P Mechanic or equivalent

APPROVAL: FAA DER Approved

ESTIMATED MAN HOURS: Three (3) Hours

SPECIAL TOOLS: None

INSTRUCTIONS:

1. Remove rudder assembly from airplane. Remove rudder as outlined in the AYRES THRUSH MAINTENANCE MANUAL, SECTION VII.
2. Strip fabric and dope from area around rudder hinge to facilitate inspection.

3. Inspect in and around weld bead on rudder hinge bushing for cracks. (See Figure 1).
4. If no cracks are found, proceed to Step 7.
5. If cracks are found, order replacement Rudder Part Number 54030-987 through the nearest Ayres Thrush Dealer and install per Section VII of the Maintenance Manual – PRIOR TO FURTHER FLIGHT.
6. Fill out and mail Compliance Card noting rudder replaced.
7. Repaint and recover rudder assembly in area around hinge with new fabric in accordance with FAA Advisory Circular AC 43.13-1, Chapter 3.
8. Re-install rudder assembly per Section VII of the maintenance manual.
9. Fill out and mail Compliance Card noting that no cracks were found.

ELECTRICAL LOAD:                      NO CHANGE

WEIGHT AND BALANCE:                NO CHANGE

AIRCRAFT RECORDS:    Make appropriate entry in aircraft permanent records as follows:  
Service Bulletin No. SB-AG-15, dated October 9, 1978, entitled "rudder Upper Hinge Inspection", accomplished \_\_\_\_\_(date)\_\_\_\_\_.

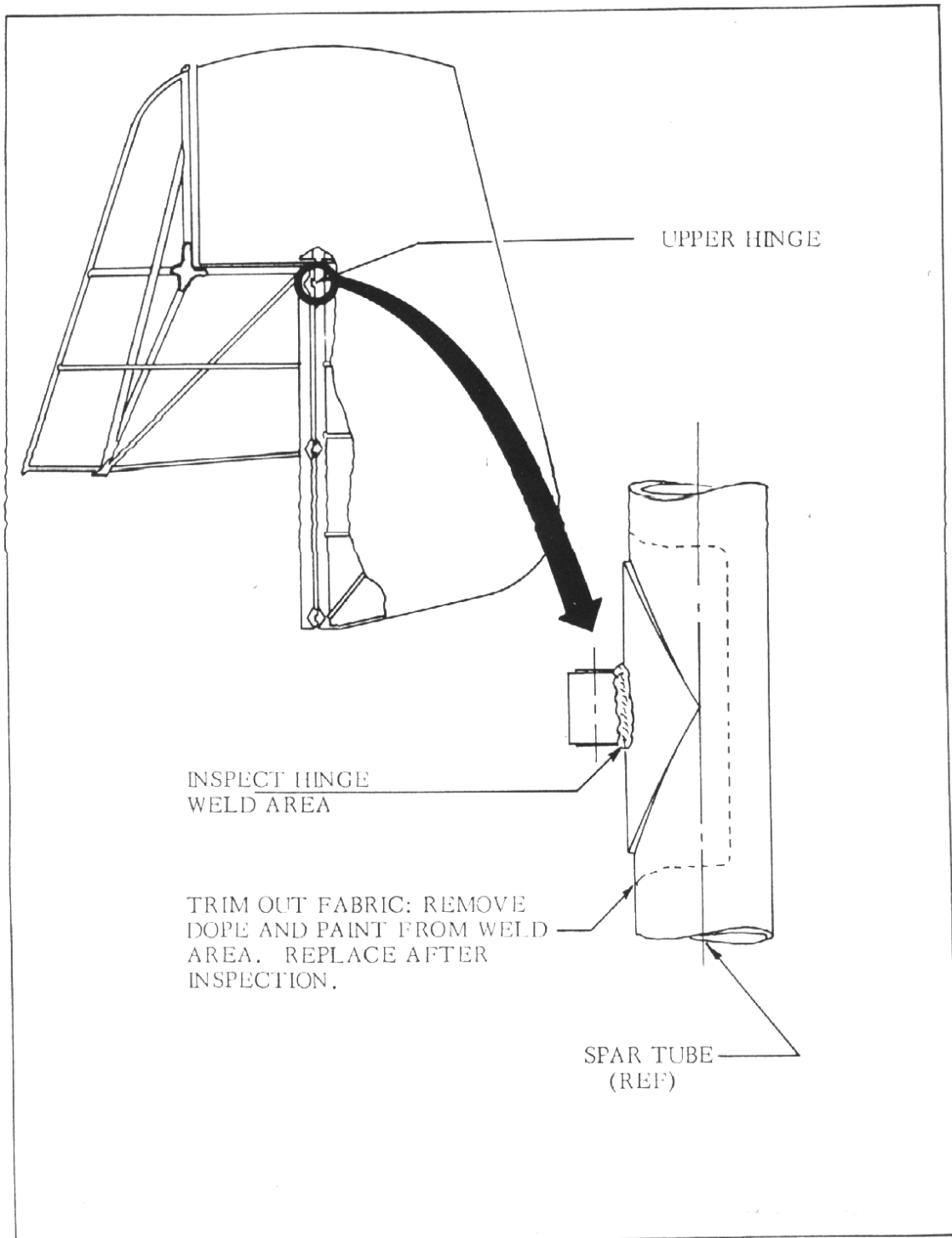


Figure 1

