

Service Bulletin No. SB-AG-25

July 20, 1990

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VERTICAL STABILIZER RUDDER HINGE INSPECTION

MODELS AFFECTED:	<u>Model</u>	<u>Serial Numbers</u>
All models listed that have Ayres 40222 fabric covered empennage installation.	S2R	1416R thru 2579
	S2R-R3S	R3S-001 thru R3S-011
	S2R-R1340	R1340-001 thru R1340-010 R1340-001DC thru R1340-010DC
	S2R-R1820	R1820-001 thru R1820-032 R1820-001DC thru R1820-032DC
	S2R-T11	T11-001 thru T11-005 T11-001DC thru T11-005DC
	S2R-T15	T15-001 thru T15-019 T15-001DC thru T15-019DC
	S2R-T34	T34-001 thru T34-090 T34-001DC thru T34-090DC
		6000 thru 6049

REASON FOR PUBLICATION

This Service Bulletin is being issued to require periodic inspections of the six rudder hinge lugs that are welded to the vertical stabilizer rear spar. Cracks have been found on three aircraft in the weld bead that joins the upper hinge lug to the rear spar of the fin.

COMPLIANCE:

Visual inspection before next flight. Visual inspection at 100-hour intervals thereafter.

BY WHOM WORK WILL BE ACCOMPLISHED:

A & P mechanic or equivalent

APPROVAL: FAA Approval

ESTIMATED MAN HOURS: Inspection – Ten minutes
Record compliance – Ten minutes

SPECIAL TOOLS: NONE

ACCOMPLISHMENT INSTRUCTIONS:

1. Inspect the area around the weld beads that attach the hinge lugs to the vertical stabilizer rear spar. If the weld beads are covered with painted fabric, look for cracks in the paint that would indicate damage under the paint. Remove paint and fabric if any doubt exists.
2. If cracks are found, ground aircraft and notify the Ayres Product Support Department.

Phone: 229-883-1440
Fax: 229-439-9790
Telex: 547629

RECORD COMPLIANCE: If no cracks are found:

Ayres Service Bulletin No. SB-AG-25 complied with on _____ (Date)
and no cracks were found. Aircraft returned to service.
Total Time _____.

Signature, Title, Date