

Service Bulletin No. SB-AG-35
22 February 1994
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NDT INSPECTION OF SPAR CAPS
IN THE NETHERLANDS

MODELS AFFECTED: *	<u>MODEL</u>	<u>SERIAL NUMBERS</u>	<u>DUTCH REG.</u>
	S2R	2441 R	PH-TOG
	S2R	2410 R	PH-TOY
	S2R-T34	T34-085	PH-JYE
	S2R-T34	T34-042 (DC)	PH-HYE
	S2R-T34	T34-073 (DC)	PH-WYE
	S2R-T34	T34-043 (DC)	PH-ZYE

- * In addition to the specific aircraft listed above, this bulletin also applies to any other aircraft of the S2R Series that are in operation in the Netherlands while this bulletin is in effect.

REASON FOR
PUBLICATION:

Model S2R-T34, Serial Number T34-010, Mfg. 1980, TT 3250 hours, suffered a fatigue failure of the lower main spar cap in Holland on 22 July 1993. This is the only aircraft in the Thrush fleet of 2,300 aircraft worldwide to suffer this particular failure. This indicates the possibility of an unusual operating environment or unusual operating practices in Holland.

In order to better predict fatigue life of the Dutch agricultural fleet, the Dutch RLD is starting a flight test survey of the operational fatigue spectrum in Holland. Until this work can be completed, the RLD wishes to mandate a periodic inspection of the wing splice bolt holes of their fleet.

This bulletin has been written at their request to give factory authorization to such an inspection.

DURATION: This bulletin is effective until canceled by the Ayres Factory.

BY WHOM WORK WILL BE ACCOMPLISHED: A properly qualified technician, trained and certified to perform NDT testing of bolt holes.

ESTIMATED MANHOURS: 6

APPROVAL: Technical content is FAA approved.

COMPLIANCE: Prior to next flight and therefore at repeat intervals of 300 flight hours. For any aircraft whose bolt holes have already been inspected for cracks within the past 12 months, the 300-hour interval will start at that inspection.

ACCOMPLISHMENT INSTRUCTIONS: Bolt holes will be inspected for fatigue cracks by NDT (ultrasonic or eddy current) methods that are acceptable to the Netherlands NLR and RLD.

RECORD COMPLIANCE
Enter in aircraft log:
"Service Bulletin SB-AG-35, dated 28 January 1994 titles "NDT Inspection of Spar Caps" accomplished on _____ (Date) _____. Total Airframe Hours _____ Total By _____".