

Service Bulletin No. SB-AG-17
November 11, 1984
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AFT COCKPIT BULKHEAD REINFORCEMENT

MODELS AFFECTED: Model S2R, S/N 1416 thru 2240

REASON FOR PUBLICATION: NTSB SAFETY RECOMMENDATION NO. A-84-64. THIS INSTALLATION WILL PREVENT THE SHOULDER STRAPS FROM TEARING DOWN THE COCKPIT BULKHEAD DURING CRASH LOAD CONDITIONS.

COMPLIANCE: WITHIN 2 MONTHS AFTER RECEIPT OF THIS BULLETIN. THE MANUFACTURER CONSIDERS THIS TO BE A MANDATORY MODIFICATION.

BY WHOM WORK WILL BE ACCOMPLISHED: AIRFRAME MECHANIC

APPROVAL: FAA APPROVED

ESTIMATE MAN HOURS: 3 HOURS

SPECIAL TOOLS: NONE

ACCOMPLISHMENT INSTRUCTIONS:

1. Remove the pilot seat from the aircraft.
2. Laterally center the P/N 10932-2 doubler plate on the forward face of the aft cockpit bulkhead immediately below (touching) the shoulder harness guide block (P/N 10932-1). Mark the outline of the doubler plate on the bulkhead.
3. Only in the area of overlap, drill the AD-4 rivets out of the P/N 10919-1 angle that attaches the bulkhead to the diagonal fuselage tube directly behind the pilot seat.
4. Clamp the doubler in place and backdrill No. 30 through the existing diagonal holes and through the doubler plate.

5. Mark and drill (No. 30) a rivet pattern around the perimeter of the doubler plate. Use one inch rivet spacing and one inch edge distance. Omit the hole positions that would interfere with the diagonal fuselage tube.
6. Prime and paint the doubler plate with aircraft quality materials.
7. Rivet the doubler plate into position with MS 20470-AD-4 or CR 2249-4 blind rivets.

ELECTRICAL LOAD: No Charge

WEIGHT AND BALANCE: No Charge

RECORD COMPLIANCE: Make appropriate entry in aircraft records as follows: Service Bulletin No. SB-AG-17, Dated November 30, 1984, titled "Aft Cockpit Bulkhead Reinforcement", Accomplished _____ (Date)

Fill out compliance card, return to Ayres Corporation.

PARTS LIST:

1. Doubler plate – Rectangular plate of .080 inch 2024T3 alclad 5-0 inches by 20-0 inches. Ayres P/N 10932-2.
2. 50 each rivets: MS 20470 AD-4 or CR 2249-4 (cherry locks)