

Service Bulletin No. SB-AG-18

January 07, 1985

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REINFORCE OF ENGINE CONTROL BELLCRANK SUPPORTS

MODELS AFFECTED: Model S2R-R1820 S/N R1820-001DC through R1820-032DC

REASON FOR PUBLICATION: REINFORCE ENGINE CONTROL SUPPORTS TO PREVENT POSSIBLE METAL FATIGUE FAILURE OF THE BELLCRANK BRACKETS

COMPLIANCE: INSPECT FOR CRACKS EVERY 10 HOURS OF FLIGHT TIME UNTIL THIS MODIFICATION IS COMPLETED. COMPLETE THIS MODIFICATION NO LATER THAN 3 MONTHS AFTER RECEIPT OF THIS BULLETIN.

BY WHOM WORK WILL BE ACCOMPLISHED: AIRFRAME MECHANIC

APPROVAL: FAA APPROVED

ESTIMATED MAN HOURS: 6 HOURS

SPECIAL TOOLS: NONE

ACCOMPLISHMENT INSTRUCTIONS:

INSPECTION

Immediately after receipt of this bulletin and within each 10 hour period of flight time until modification, inspect the 19703-1 and -2 control rod support assemblies for cracks in the bellcrank brackets. (See Figure 1). If cracks are found in the bellcrank brackets or their weld beads, immediately report this discrepancy to Ayres Corporation and complete this modification of the bellcrank brackets prior to further flight.

MODIFICATION

1. Remove the 19703-1 and -2 control rod support assemblies from the airplane.
2. Remove the paint and clean the metal surrounding the bellcrank brackets.
3. Weld closed any cracks found. Weld on the 19703-11 and -13 brackets reinforcements supplied with this kit. Prior to welding, clamp these brackets into position as shown on Figure 1.
4. Prime and paint the affected area with aircraft quality materials.
5. Reinstall the support assemblies and rereg the engine controls.

ELECTRICAL LOAD: No Change

WEIGHT AND BALANCE: No Change

RECORD COMPLIANCE: Make appropriate entry in aircraft records as follows: Service Bulletin No. SB-AG-18 dated January 07, 1985, entitled "Reinforcement of Engine Control Bellcrank Supports," accomplished _____ (date) _____.

Fill out compliance card and return to Ayres Corporation.

PARTS LIST:

- 1 ea P/N 19703-11 Bracket Reinforcement (lower)
- 1 ea P/N 19703-13 Bracket Reinforcement (upper)

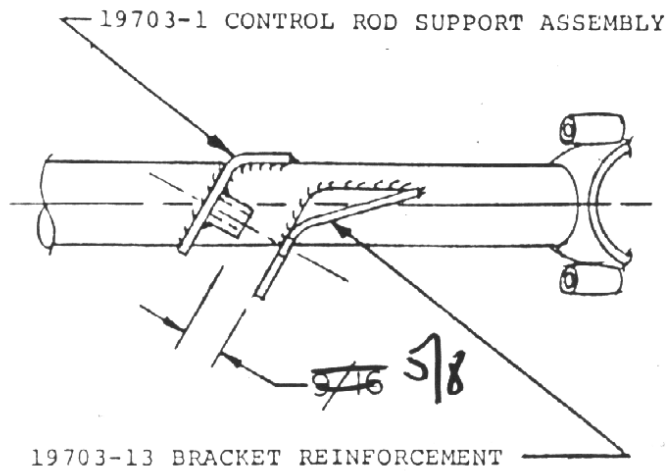
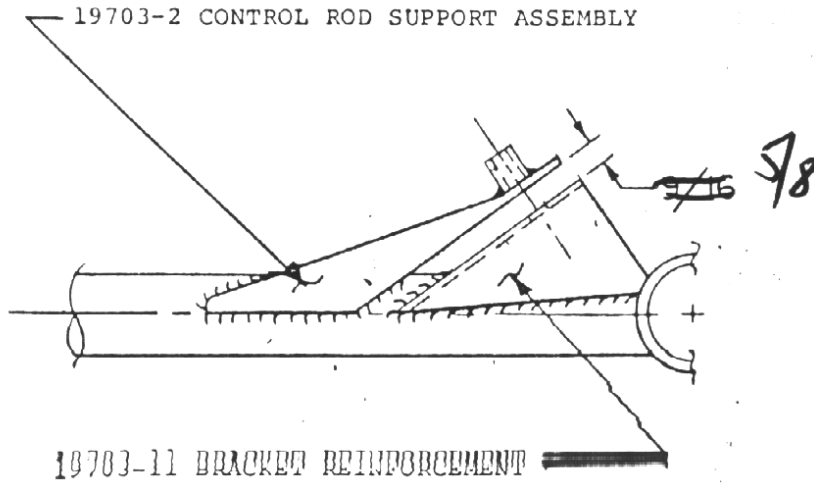


FIGURE 1