

Robinson Helicopter Company

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MANDATORY SERVICE BULLETIN #18

Date: March 12, 1982

To: All owners and operators of Robinson R22 helicopters.

Subject: Inspection of A020-2 Upper Steel Tube Frame.

Rotorcraft affected: All R22 rotorcraft S/N 0002 thru S/N 0260
having A020-2 Steel Tube Frames S/N 0002
thru S/N 0287 installed.

Time of compliance: Every 50 hours.

Background: Fatigue cracks have been found on two A020-2 Upper Steel Tube Frames at the location pictured in Figure 1. The inspection detailed below must be performed every 50 hours to detect possible fatigue cracks. This inspection may be performed by a licensed pilot at the 50 hour interval between 100 hour inspections after careful checkout by a licensed mechanic.

Inspection Procedure:

- 1) Using a 10 power magnifying glass and a high intensity light, visually inspect the welded area on the Upper Steel Tube Frame at the location indicated in Figure 1.
- 2) Make a logbook entry after every 50 hour inspection. The mechanic or pilot must verify the inspection was performed by using his name and Airman's certificate number.
- 3) Pilots must also include a visual check of this area in their daily preflight check. The inspection light and 10 power magnifying glass is not required for the daily preflight check.
- 4) If a crack is found, remove the Steel Tube Frame from service and contact:

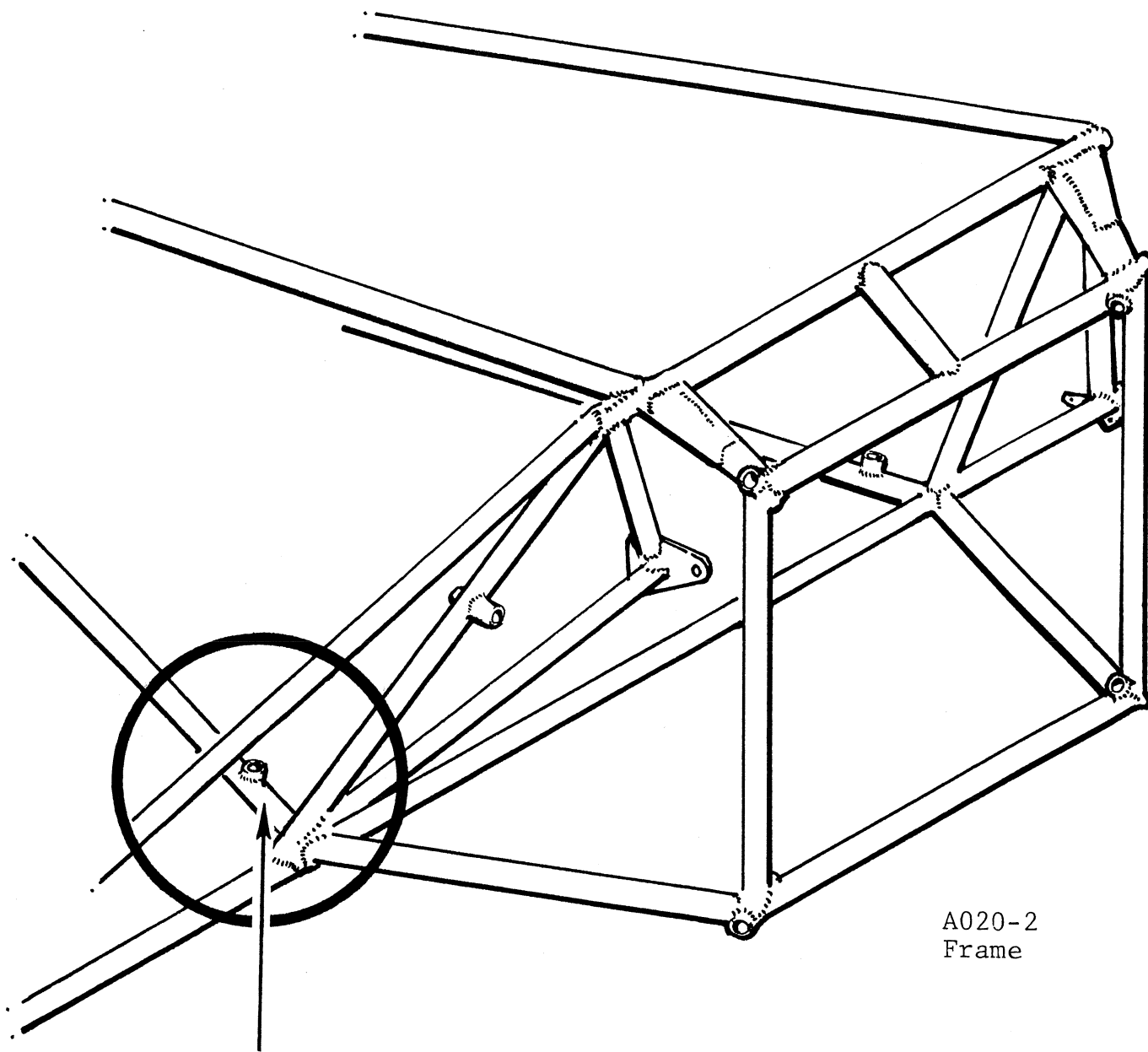
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TELEX 18-2554

TWX 910-347-6240 R H C TRNC

Figure 1



Inspect for Cracks
at this location

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