GLASTAR SERVICE BULLETIN 37

MANDATORY

Subject: Aileron cable interference

Applicability: All GlaStar kits shipped prior to the publication of *GlaStar Assembly Manual* Revision D

Discussion: It has come to our attention that interference may exist between the crimped NicoPress sleeve at the outboard end of each aileron crossover cable and the forward edge of the aftmost lightening hole in Main Rib 4. Because this interference is slight and is likely to occur only at the extreme up aileron position, it is easy to miss on initial rigging and even on later inspection of the completed installation. However, any interference between control cables and the airframe is unacceptable and must be corrected.

Required Action: For **completed aircraft**, the following inspection and remediation procedures are mandatory **prior to further flight**. For **aircraft still under construction**, the following procedures should be incorporated into the assembly process at an appropriate time **prior to first flight**.

Remove the inspection hole covers under the aileron bellcranks on both wings. While an assistant moves the stick from one extreme of aileron travel to the other, use a flashlight to inspect for interference between Main Rib 4 and the cable coming off the **forward** arm of the bellcrank. (See Flag 1 in Figure 1.) There should be no contact whatsoever at any point in the aileron travel between the rib and the cable or the NicoPress sleeve. If no interference is found, no further action is required.

If interference is discovered, the solution is simply to relieve the rib web at the forward edge of the aftmost lightening hole to eliminate the interference. As indicated by the shaded area in Figure 1, use a file or a grinder to cut away a crescent-shaped piece of the rib web as necessary to allow complete clearance for the cable and NicoPress sleeve. Smooth the cut edges.

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MAIN RIB 4

AFT SPAR

NOTE: UPPER AILERON
BELLCRANK BRACKET, AILERON
COVE RIB, AILERON SKINS
AND WING SKINS OMITTED
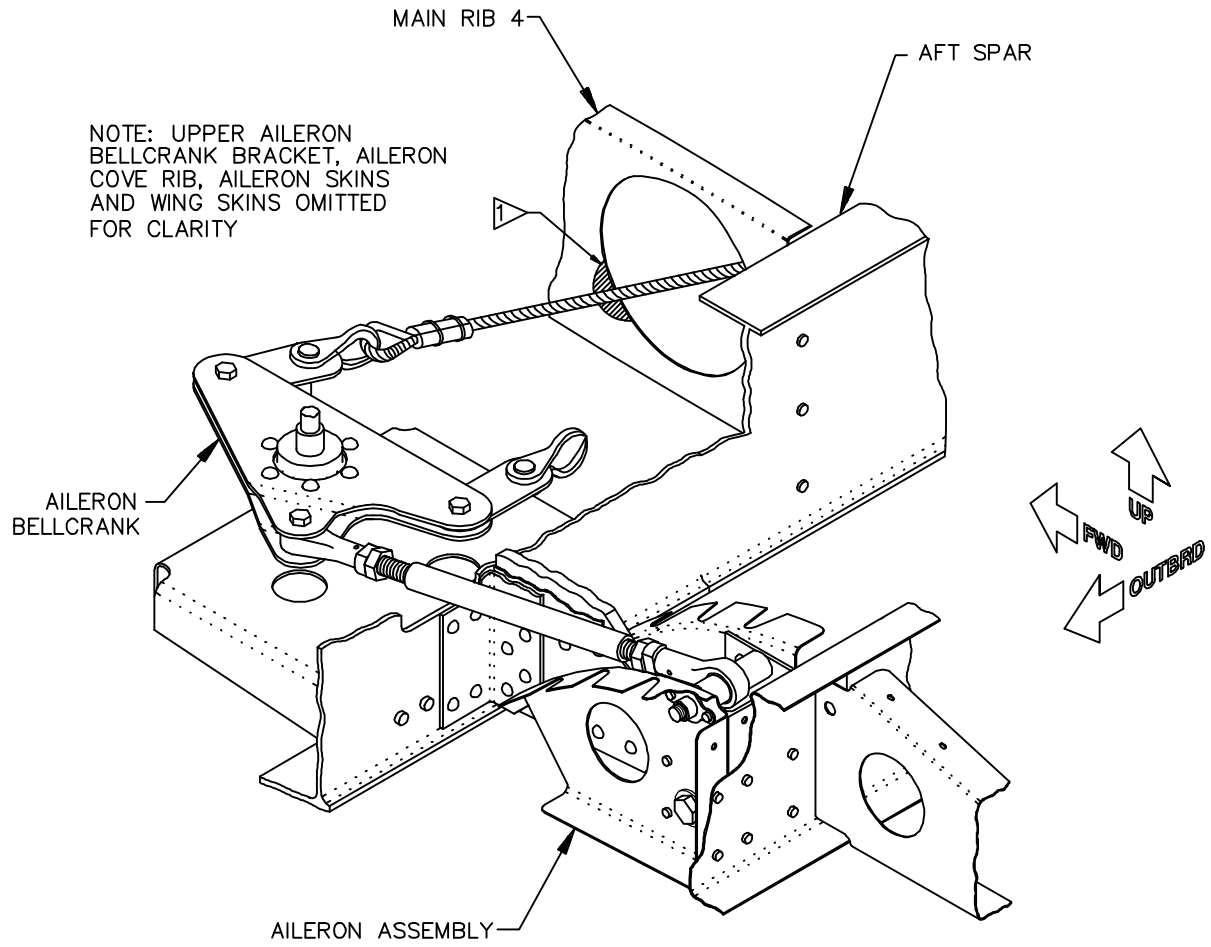FOR CLARITY

AILERON
BELLCRANK

AILERON ASSEMBLY

UP

FWD

OUTBRD

Figure 1: Possible Aileron Cable Interference