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**SERVICE BULLETIN:** JSB 002-1  
**Issue:** 1  
**Date:** 11<sup>th</sup> Oct 2004  
**Subject:** Jabiru J400 Elevator Drive Arm

1. Applicability:

Jabiru J400 models operating under the certification data package prepared for the Popular Flying Association of the UK.

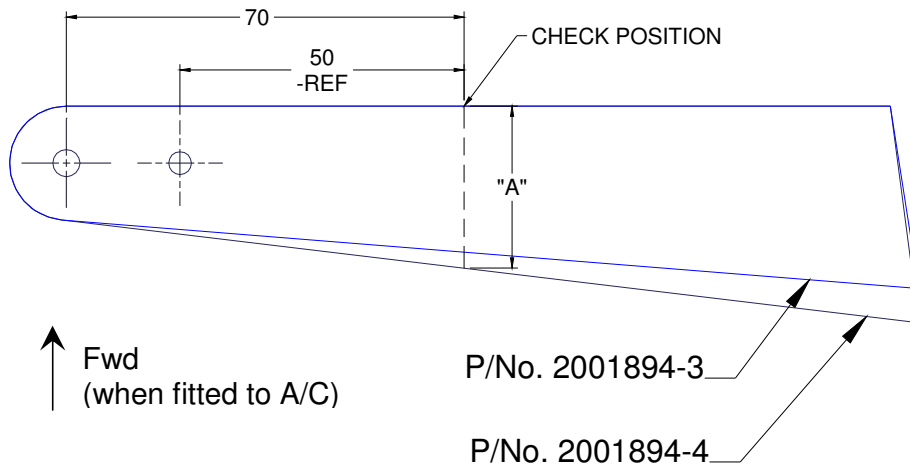
2. Background:

During testing of the J400 to the selected FAR-23 structural requirements the elevator input arm failed at close to the ultimate load (which in this case was equivalent to approximately 8.5g, or approximately a 370kg load on the elevator). A new version of the part was designed, tested and introduced to production, while applicable aircraft fitted with the old type arm were modified to give their elevator's equivalent strength. Since the introduction of the new part, it has been noticed that some new J400 elevators have been manufactured with the old type arm. This Service Bulletin contains information to enable builders of applicable aircraft to determine which arm is fitted to their aircraft and to carry out the corrective work if necessary.

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Jabiru J400 Elevator Drive Arm				

### 3. Arm Check Criteria:

Referring to the Figure below, measure the input arm of the aircraft. Measure to a point on the forward edge (as oriented when fitted to the aircraft) of the arm 70mm (2.76") above the lower hole. At this check position, older type arms (P/No. 2001894-3) will be 25.6mm (1.01") wide, compared to 28.4mm (1.12") for the newer type arms (P/No. 2001894-4).



**Figure 1. Input Arm Comparison**

### 4. Modification:

Aircraft with older style arms must be modified in accordance with the details given in Drawing 2085C43-1, included as Figure 2.

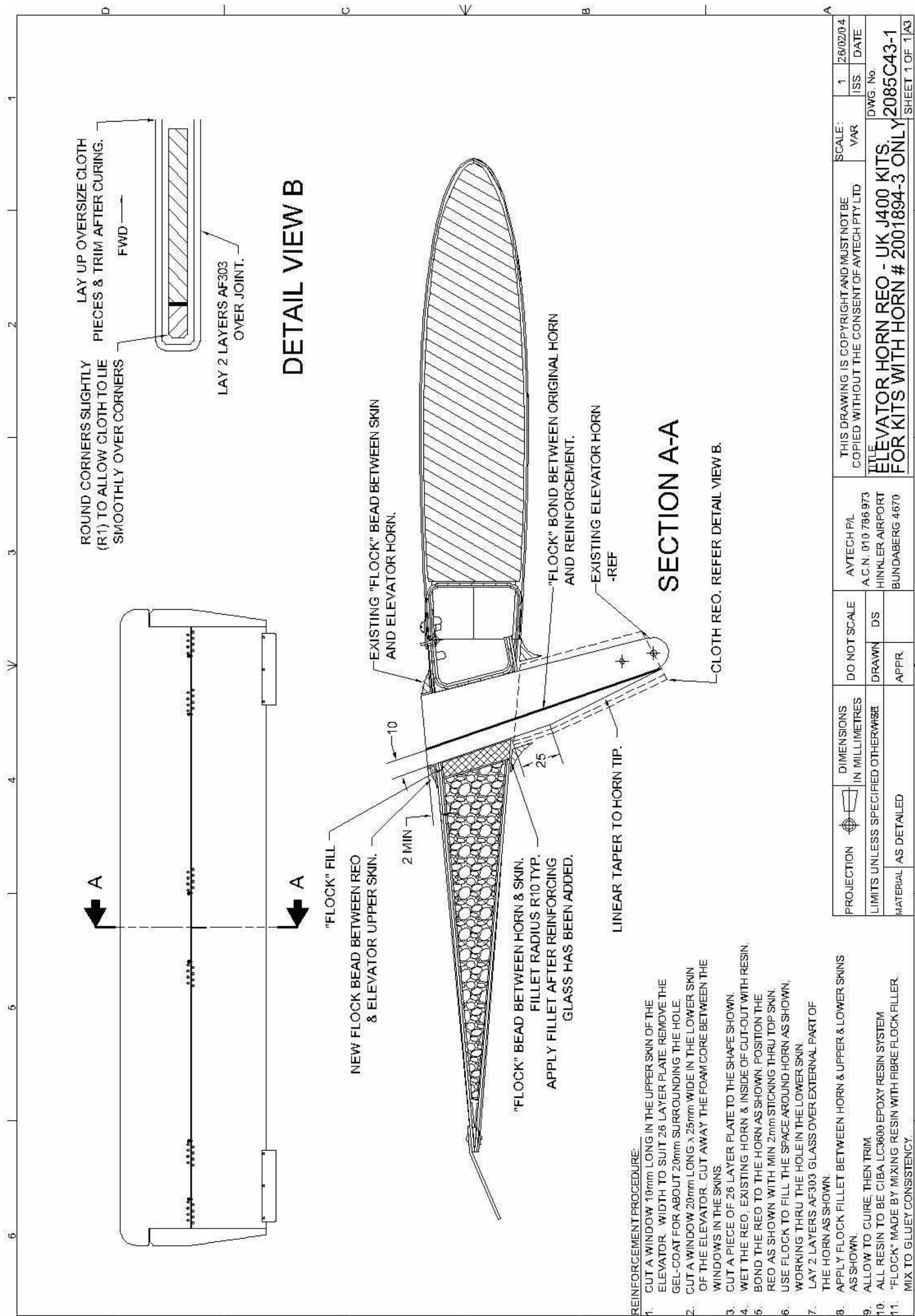


Figure 2 - Modification Procedure

PROJECTION	DIMENSIONS IN MILLIMETRES	DO NOT SCALE	AVTECH P/L	THIS DRAWING IS COPYRIGHT AND MUST NOT BE COPIED WITHOUT THE CONSENT OF AVTECH P/L	SCALE:	ISS.	DATE
LIMITS UNLESS SPECIFIED OTHERWISE	OTHERWISE	DRAWN DS	A.C.N. 010 786 973		VAR	1	28/02/04
MATERIAL AS DETAILED		APPR	HINKLER AIRPORT BUNDABERG 4670				
				TITLE	DWG. No.		
				ELEVATOR HORN REQ - UK J400 KITS, FOR KITS WITH HORN # 2001894-3 ONLY	2085C43-1		
				SHEET 1 OF 1/A3			