

CHAP 4 AIRFRAME	SERVICING PROCEDURE	BAC F53 & T55 (SA)
SP 422 AL 11	F53 T55	5A3A Section 1
SHEET 1 OF 3		2nd Edition
Rudder Top Hinge - Defects (Post Mod 4702)	AFSC	TIME EST
	43151	
Safety and Servicing Notes are to be complied with throughout the work detailed on this card.	43171	
SPECIAL TOOLS AND EQUIPMENT Gauge Part No EF2-88-341 (26DK/95786). <div style="text-align: center;"><u>43151</u></div>		ASSOCIATED PROCEDURES SP 18 (AF) SP 19 (AF) SP158 (AF)
1. PREPARATION 1.1 Rudder. Remove SP 18 (AF). <div style="text-align: center;"><u>43171</u></div>		
2. EXAMINATION 2.1 Fin structure (Through the two 0.75 in inspection holes). (i) Ensure Rib 4 cleats secure. (ii) Examine cleat fasteners particularly for deformation. 2.2 Top hinge bracket. Examine the bracket/fin and brackets/shearwall fasteners, particularly for evidence of movement or deformation. NOTE: If bracket/fin skin or bracket/shearwall fasteners are defective, repairs are to be carried out I.A.W. SRO/32/31, access gained I.A.W. SRO/32/38. 2.3 Shearwall. Examine for cracks and loose rivets. NOTE: If shearwall is cracked, repairs are to be carried out I.A.W. SRO/32/49 access gained if required I.A.W. SRO.32.38. 2.4 Hinge arm and hinge bolt. Ensure that the clearance between the hinge arm and hinge bolt does not exceed 0.002 in. over a depth of 0.15 in. in the hinge arm (Bell mouthing).		
		Continued Overleaf
SERVICING PROCEDURE INSPECTION STAGES DO NOT EXCLUDE ADDITIONAL INSPECTION STAGES INCORPORATED AS NECESSARY IN MAINTENANCE CERTIFICATION DOCUMENTS		

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2. EXAMINATION (CONTD)

- 2.5 Top hinge attachment bracket (See Figure 1).
- (i) Ensure bushes are not loose. (Fit may vary from perfect to a light drive fit).
  - (ii) Ensure internal diameter of each bush does not exceed 0.376 in with hinge bolt diameter NOT less than 0.374 in.
- 2.6 Rudder Damper.
- (i) Examine.
  - (ii) Carry out SP158 (AF).

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3. COMPLETION

- 3.1 Rudder Refit SP 19 (AF).

Continued

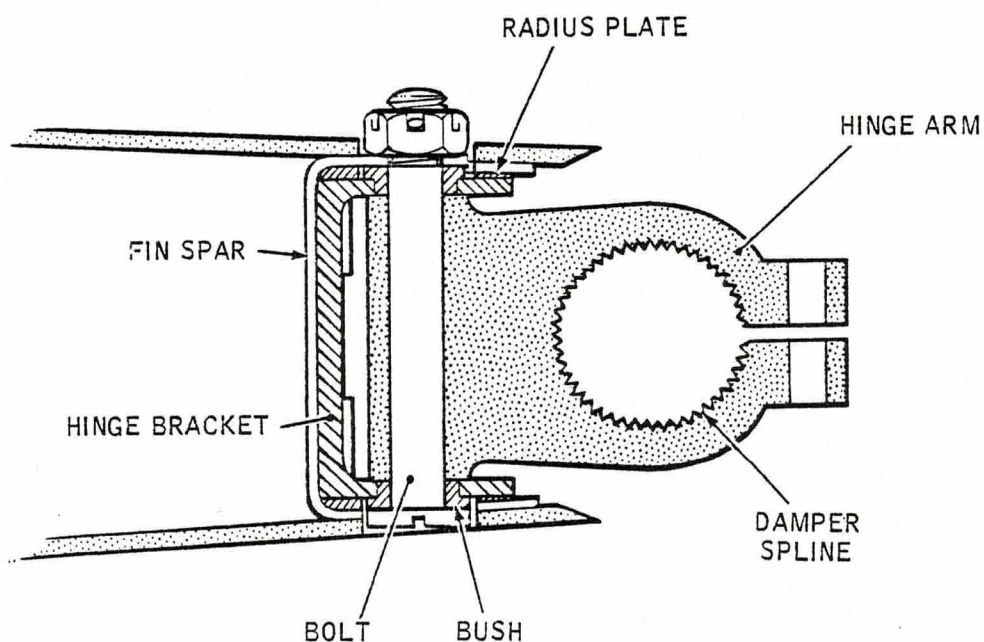
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SHEET 3 OF 3

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PLAN VIEW OF UPPER HINGE  
(POST MOD/LIT/4702)  
FIGURE 1

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