

CHAP SP SHEET	1 AIRFRAME 15 AL 4 1 OF 4	SERVICING PROCEDURE F53 T55	BAC F53 & T55 (SA) 5A3A Section 1 2nd Edition
	Auto-Stabilizer Filters (Aileron, Rudder and Tailplane) - Removal and Fitting		AFSC 43151 32550 43250 42152 42172 43171
	Safety and Servicing Notes are to be complied with throughout the work detailed on this card.		TIME EST
<b>SPECIAL TOOLS AND EQUIPMENT</b>			
Retraction rig(EF5 - 88 - 367).			
<u>43151</u>			
1.	PREPARATION		ASSOCIATED PROCEDURES
1.1	Arrestor hook safety Bar (26DK/1439551).	Remove from aircraft.	SP 45 (AF) 46 (AF) 151 (AF) 603 (AF) 5 (P) 6 (P) 119 (INS) 142 (AF)
1.2	Arrestor hook.	Release from stowed position and, using retraction rig (EF5 - 88 - 367) lower onto hard rubber mat, pre-positioned on ground.	
1.3	Arrestor hook operating handle (Cockpit).	Reset to unoperated position (Ball catch engaged).	
1.4	Bolster.	Remove.	
1.5	Drain channels.	Remove.	
1.6	Access panel 93.	Remove.	
1.7	Mainplane leading edges (left and right).	Remove as required (SP 45 (AF) and SP 46 (AF)).	
<u>43250</u>			
2.	PREPARATION		
2.1	No.1 Reheat jet pipe.	Remove (SP 5 (P)).	
<u>43151</u>			
3.	PREPARATION		
3.1	Services system pressure.	Release pressure by operating brake lever.	
			Continued Overleaf
<b>SERVICING PROCEDURE INSPECTION STAGES DO NOT EXCLUDE ADDITIONAL INSPECTION STAGES INCORPORATED AS NECESSARY IN MAINTENANCE CERTIFICATION DOCUMENTS</b>			

CHAP 1 AIRFRAME	SERVICING PROCEDURE	BAC F53 & T55 (SA)
SP 15 AL 4	F53 T55	5A3A Section 1
SHEET 2 OF 4		2nd Edition

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43151

3. PREPARATION (contd)

3.2 Hydraulic reservoirs (Services & No.1 controls systems). Replenish (SP 603 (AF)).

3.3 Hydraulic test trolleys. (i) Prime.  
(ii) Bleed.

3.4 No.1 Services ground test connexions (Access panel 45P (left)). Connect hydraulic test trolley.

3.5 No.1 Controls ground test connexions (Access panel 45P (left)). Connect hydraulic test trolley.

42152 / 43151

4. REMOVAL

4.1 Aileron auto-stabilizer filters (left and right) (Leading edge ribs 12 and 13). Remove.

4.2 Rudder auto-stabilizer filter (Frames 55 and 56 right). Remove.

4.3 Tailplane auto-stabilizer (Frames 55 and 56 aircraft lower control line). Remove.

NOTE: All broken hydraulic pipelines to be suitably blanked off.

5. FITTING

5.1 Aileron auto-stabilizer filters (left and right). (i) Fit new or bay serviced item.  
(ii) Lock unions with wire.

5.2 Rudder auto-stabilizer filter. (i) Fit new or bay serviced item.  
(ii) Lock unions with wire.

Continued

CHAP 1 AIRFRAME  
SP 15 AL 4  
SHEET 3 OF 4

SERVICING PROCEDURE  
F53 T55

B A C F 53 & T 55 (SA)  
5A3A Section 1  
2nd Edition

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42152/43151

5. FITTING (contd)

5.3 Tailplane auto-stabilizer filter. (i) Fit new or bay serviced item. (ii) Lock unions with wire.

42152

6. BLEEDING

6.1 Services system. Bleed (SP 151 (AF)).  
6.2 Filters and pipelines. Ensure no leaks.

42172/43171 (INSPECTOR)

7. INSPECTION STAGE

7.1 Inspect installation. Independent check of assembly and locking.

32550

8. TESTING

8.1 Auto-stabilizer system. Test (SP 119 (INS)).

43151

9. GENERAL

9.1 Mainplane leading edges (left and right). Refit (SP 45 (AF) and SP 46 (AF)).

43250

10. GENERAL

10.1 No.1 Reheat jet pipe. Refit (SP 6 (P)).

Continued Overleaf

CHAP 1 AIRFRAME SP 15 AL 4 SHEET 4 OF 4	SERVICING PROCEDURE F53 T55	BAC F53 & T55 (SA) 5A3A Section 1 2nd Edition
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43151

11. GENERAL

11.1 Access Panel 93. Refit.

11.2 Drain channels. Refit.

11.3 Bolster. Refit.

12. GENERAL

12.1 Arrestor hook. Reset (SP 142 (AF)).

13. GENERAL

13.1 Hydraulic system. Release pressure.

13.2 Hydraulic test trolleys. Remove.

13.3 Hydraulic pump quick release connexions  
(Services and No.1 Controls systems, Access panel 45P (Left)).

(i) Reconnect to Aircraft.  
(ii) Lock with wire.

14. COMPLETION

14.1 Hydraulic reservoirs. Replenish (SP 603 (AF)).

NOTE: All wirelocking to be of 22 SWG stainless steel wire unless otherwise stated.

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A close-up photograph of an aircraft's fuselage. The upper portion is painted red with several small, dark rivets visible. A vertical strip of blue material, possibly a cover or a different panel, runs diagonally across the frame. On this blue panel, the text 'LIGHTNING MK. 1', 'COVER PILOT HEAD', and 'EB2-88-5711' is printed in black. To the right of the blue panel is a small, dark, rectangular metal plaque with four small holes, likely a placeholder for a serial number. The overall condition of the aircraft's skin appears aged and slightly worn.

LIGHTNING MK. 1  
COVER PILOT HEAD  
EB2-88-5711