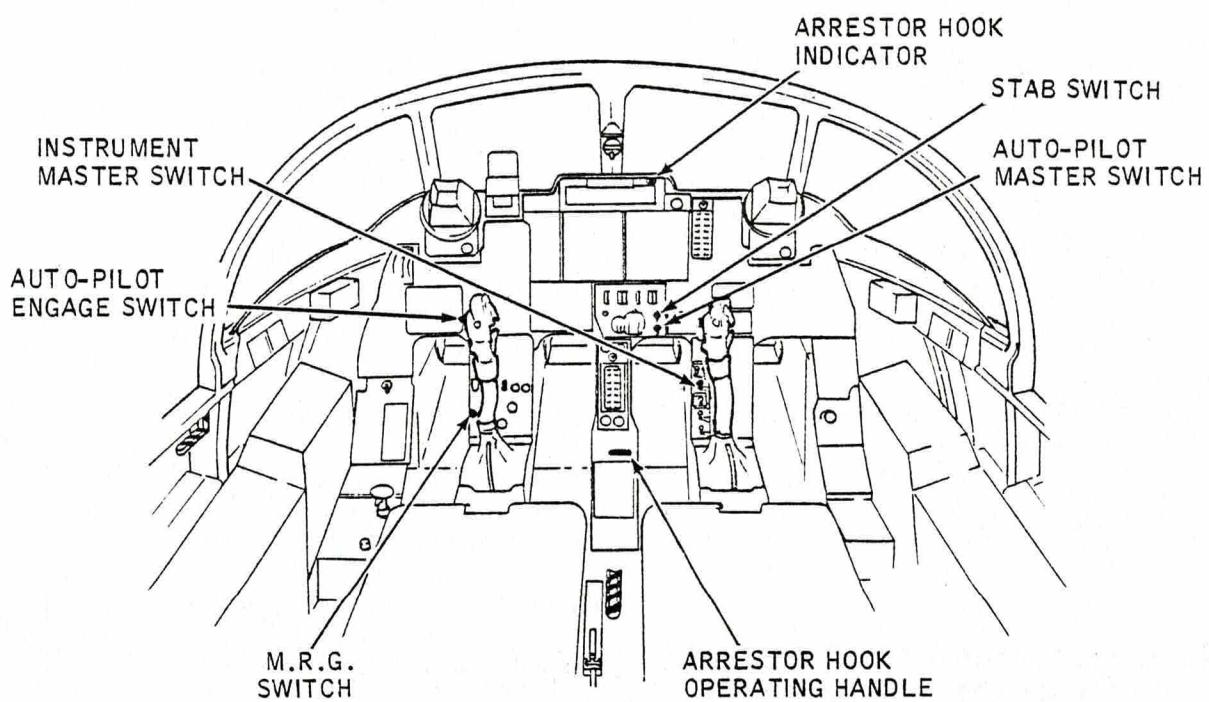
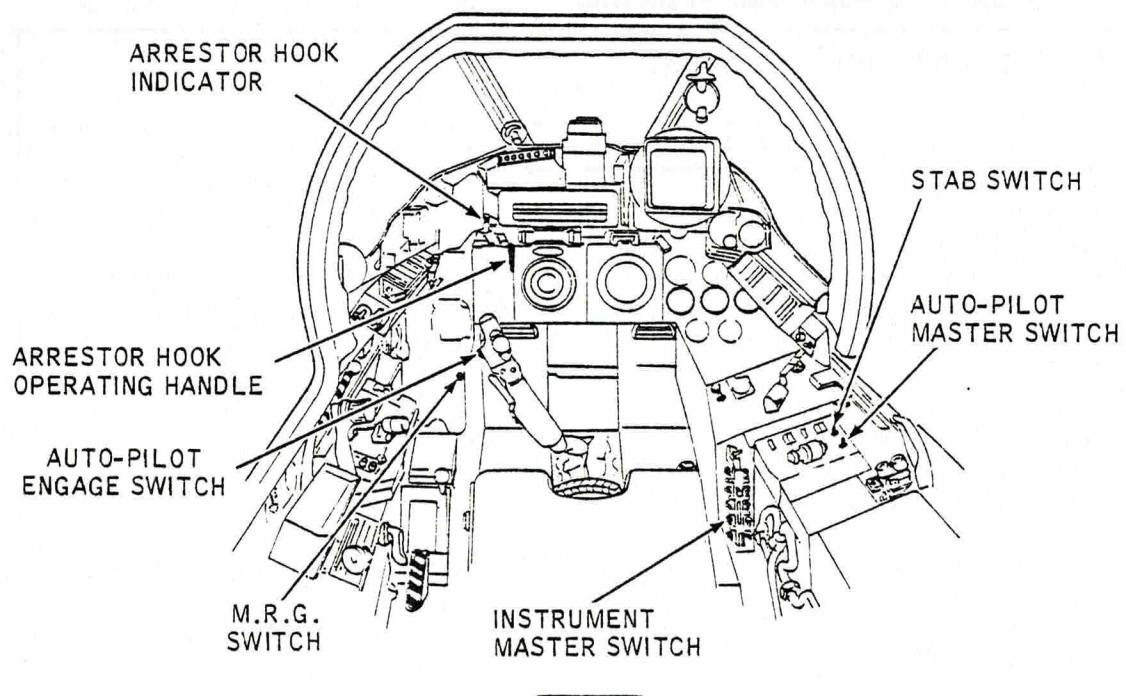


CHAP. 1 AIRFRAME S.P. 8 A.L. 4 SHEET 1 OF 4	SERVICING PROCEDURE F53 T55	BAC F53 & T55 (SA) 5A3A Section 1 2nd Edition
Tailplane Auto-Stabilizer Actuator - Fitting		AFSC 42152 42172 43151 43171 43250 32550
Safety and Servicing Notes are to be complied with throughout the work detailed on this card.		TIME EST
SPECIAL TOOLS AND EQUIPMENT Nil.		ASSOCIATED PROCEDURES
<u>42152 / 43151</u>		SP114 (AF) 142 (AF) 151 (AF) 6 (P) 119 (INS) 402 (AF)
<p>1. FITTING</p> <p>1.1 Auto-stabilizer actuator hydraulic pressure banjo. Fit, complete with new bonded seals to torque values reference in SP402 (AF).</p> <p>1.2 Front actuator mounting bolts, (quantity 3). Engage.</p> <p>1.3 Actuator rear mounting. (i) Engage hinge pin. (ii) Engage retaining pin</p> <p>1.4 Front actuator mounting bolts. (i) Tighten. (ii) Lock with wire.</p> <p>1.5 Fork end. Insert into springbox eye-end differential lever.</p> <p>1.6 Springbox support link. (i) Offer into position. (ii) Insert bolt and fit nut. (iii) Tighten. (iv) Fit split pin.</p> <p>1.7 Fork end. (i) Fit tab washer. (ii) Fit nut. (iii) Tighten and lock tab washer.</p> <p>1.8 Hydraulic pressure connexion. (i) Remove blanks. (ii) Connect. (iii) Tighten and wirelock.</p> <p>1.9 Hydraulic return connexion. (i) Remove blanks. (ii) Connect. (iii) Tighten and wirelock.</p> <p>1.10 Auto-stabilizer actuator electrical connections. Connect.</p>		
Continued Overleaf		

Safety and Servicing Notes are to be complied with throughout the work detailed on this card.



INSTRUMENT AND AUTO-PILOT SWITCHES
FIGURE 1

Continued

CHAP 1 AIRFRAME	SERVICING PROCEDURE	BAC F53 & T55 (SA)
SP 8 AL 4	F53	T55
SHEET 3 OF 4		5A3A Section 1 2nd Edition

Safety and Servicing Notes are to be complied with throughout the work detailed on this card.

42152 / 43151

2. GENERAL

2.1 Services system. Pressurize to 3000 lbf/in².

2.2 No.1 controls system. Pressurize to 3000 lbf/in².

2.3 Tailplane. Ensure remains neutral.

2.4 External d.c. power supply. (i) Connect.
(ii) Switch to ON.

2.5 External a.c. power supply. (i) Connect.
(ii) Switch to ON.

2.6 Instrument master switch. Set to ON (See Fig.1).

2.7 Autopilot master switch. Set to ON (See Fig.1).

2.8 Tailplane. Ensure remains neutral.

2.9 Autopilot master switch. Set to OFF (See Fig.1).

2.10 Instrument master switch. Set to OFF (See Fig.1).

2.11 External d.c. power supply. (i) Set to OFF.
(ii) Disconnect.

2.12 External a.c. power supply. (i) Set to OFF.
(ii) Disconnect.

2.13 No.1 services and No.1 controls test trolley. Stop.

2.14 No.1 services and No.1 controls hydraulic systems. Exhaust pressure.

2.15 Tailplane auto-stabilizer system. Bleed (SP 151(AF)).

3. TESTING

3.1 Tailplane control system. Test (SP 114(AF)).

Continued Overleaf

CHAP 1 AIRFRAME
SP 8 A L 4
SHEET 4 OF 4

SERVICING PROCEDURE
F53 T55

BAC F53 & T55 (SA)
5A3A Section 1
2nd Edition

Safety and Servicing Notes are to be complied with
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32550

4. TESTING

4.1 Tailplane control system. Test (SP 119(INS)).

42172 / 43171 (INSPECTOR)

5. INSPECTION STAGE

5.1 Installation.

Independent check of:-
(i) Assembly and locking.
(ii) Function.

42152 / 43151

6. GENERAL

6.1 Protection cover. Refit.

6.2 Heat shields (quantity 3). Refit.

6.3 Access panels 93 and 103. Refit.

6.4 Arrestor hook bolster. Refit.

6.5 Drain channels. Refit.

43250

7. COMPLETION

7.1 No.1 reheat jet pipe. Refit (SP 6(P)).

43151

8. COMPLETION

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

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



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