

CHAP 2 AIRFRAME SP 101 AL 5 SHEET 1 OF 5	SERVICING PROCEDURE F53 T55	BAC F53 & T55 (SA) 5A3A Section 1 2nd Edition
Brake Parachute Stream System		AFSC 43151 42152 43171 42172
Safety and Servicing Notes are to be complied with throughout the work detailed on this card.		TIME EST
SPECIAL TOOLS AND EQUIPMENT		ASSOCIATED PROCEDURES
Locking key (26DK/95118). Spring balance (1A/4273). Tyre inflation rig (4G/1050542).		SP 603 (AF)
NOTE: This servicing procedure must be carried out with the brake parachute removed.		
<u>43151/42152</u>		
<p>1. PREPARATION</p> <p>1.1 Ground air charging/ Remove blank. release connexion (Access panel 63P (left)).</p> <p>1.2 Hydraulic test trolley. (i) Prime. (ii) Bleed.</p> <p>1.3 No.1 controls ground Connect hydraulic test trolley. test connexions (Access panel 45P (left)).</p> <p>1.4 Hydraulic reservoir Replenish (SP 603 (AF)). (No.1 controls system).</p> <p>1.5 Tyre inflation rig (i) Connect to ground air (4G/1050542). charging/release connexion. (ii) Set rig to deliver a pressure of between 16 & 18 lbf/in².</p> <p>1.6 Mechanism. Ensure pre-set (parachute doors closed).</p> <p>1.7 No.1 controls system. Pressurize to 3000 lbf/in² with hydraulic test trolley running at 3750 rev/min.</p> <p>2. TESTING (See Fig.1 F53; Fig.2 T55)</p> <p>2.1 Braking parachute (i) Operate. stream handle (ii) Check force required is (See Fig.1). between 35 & 45 lbf/in² using spring balance (1A/4273).</p>		
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2. TESTING F53 (SEE FIG.1 F53; Fig.2 T55) (contd)

2.2 Parachute doors. Ensure operation is full and free.

2.3 Braking parachute stream handle. (i) Operate to reset. (ii) Allow to return under restraint to keep cable taut throughout operation.

2.4 Door mechanism (left and right). Depress retaining clips and close doors simultaneously using locking key (26DK/95118).

2.5 Stream mechanism. Operate braking parachute stream handle.

2.6 Parachute doors. Ensure operation is full and free.

2.7 Braking parachute stream handle. (i) Operate to reset. (ii) Allow to return under restraint to keep cable taut throughout operation.

2.8 Door mechanism. Depress retaining clips and close doors simultaneously using locking key (26DK/95118).

NOTE: Item 2.9 is only applicable if aircraft is a Mk T55.

2.9 Pupils stream handle. Repeat sub-items 2.2 to 2.8 inclusive.

3. GENERAL

3.1 Hydraulic test trolley. Remove.

3.2 Ground air charging/ release connexion (Access panel 63P). (i) Remove tyre inflation rig (4G/1050542). (ii) Refit blank.

3.3 Hydraulic pump quick release connexions (No.1 controls system; Access panel 45P (left)). (i) Reconnect to aircraft. (ii) Wirelock.

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S.P. 101 A.L. 4
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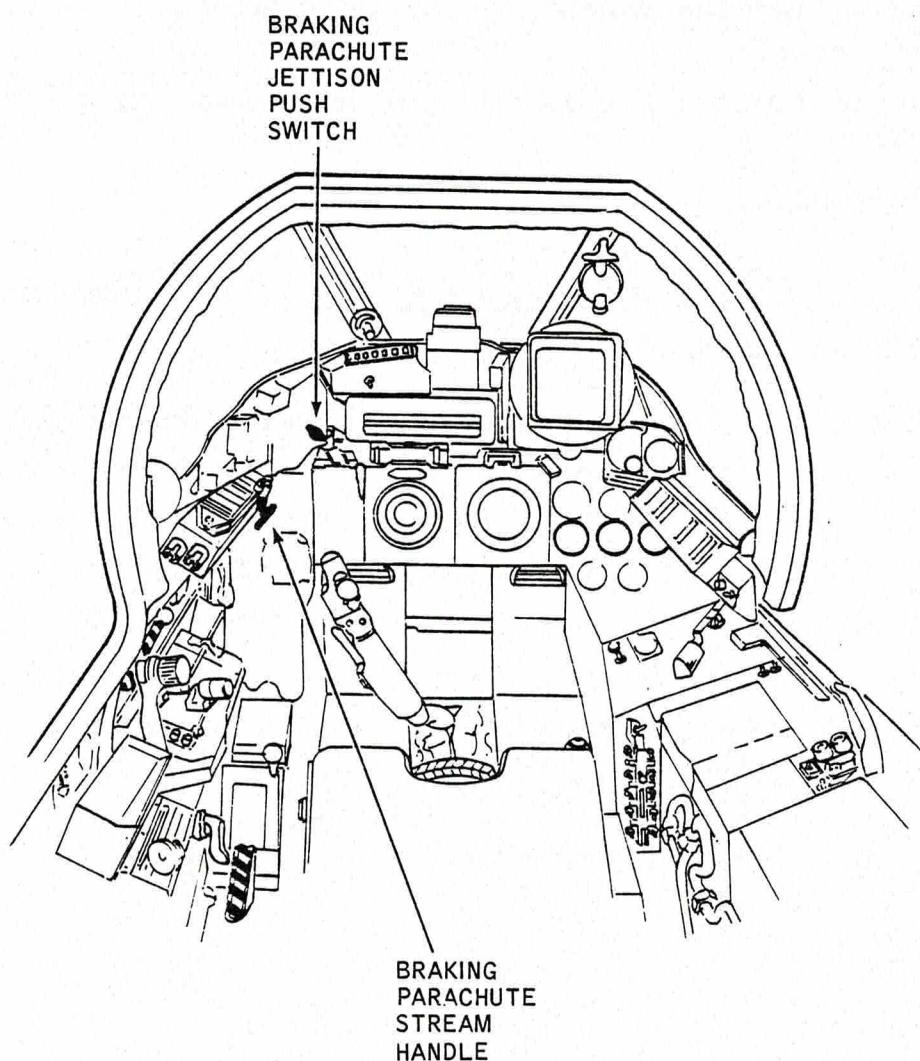
SERVICING PROCEDURE

F53 T55

BAC F53 & T55 (SA)

5A3A Section 1
2nd Edition

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BRAKE PARACHUTE CONTROLS - F53
FIGURE 1

Continued Overleaf

SERVICING PROCEDURE INSPECTION STAGES DO NOT EXCLUDE ADDITIONAL INSPECTION STAGES
INCORPORATED AS NECESSARY IN MAINTENANCE CERTIFICATION DOCUMENTS

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3. GENERAL (contd)

3.4 Reservoir air replenishment (i) Refit blank.
connexion (Access panel (ii) Wirelock.
63P (left)).

3.5 Reservoir (No.1 controls Replenish (SP 603 (AF1)).
system).

3.6 Access panels. Refit.

43171/42172 (INSPECTOR)

4. INSPECTION STAGE

4.1 Inspect. After component replacement or
if system has been disassembled.

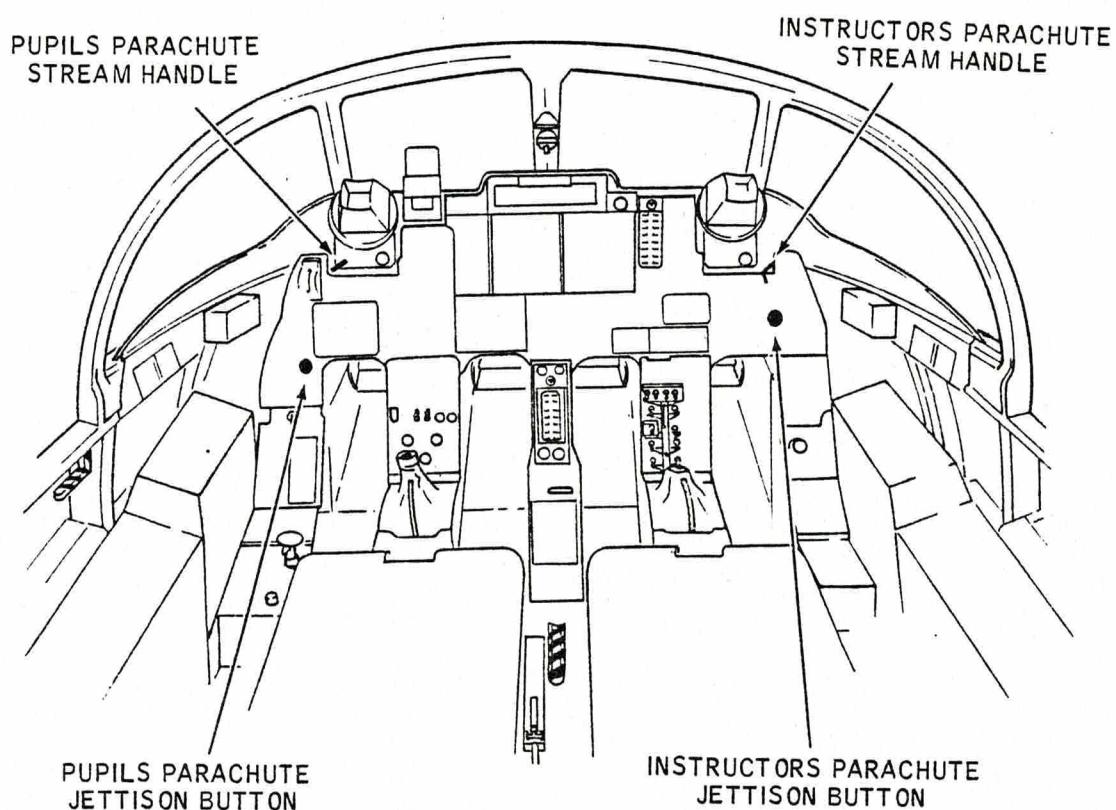
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S.P. 101 A.L. 4
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SERVICING PROCEDURE
F53 T55

BAC F53 & T55 (SA)
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BRAKE PARACHUTE CONTROLS - F53, T55
FIGURE 2

SERVICING PROCEDURE INSPECTION STAGES DO NOT EXCLUDE ADDITIONAL INSPECTION STAGES
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