

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	TIME EST
Safety and Servicing Notes are to be complied with throughout the work detailed on this card.			
SPECIAL TOOLS AND EQUIPMENT  Locking key (26DK/95118). Spring balance (1A/4273). Tyre inflation rig (4G/1050542).  NOTE: This servicing procedure must be carried out with the brake parachute removed.  <div style="text-align: center;"><u>43151/42152</u></div>			ASSOCIATED PROCEDURES  SP 603 (AF)
1. PREPARATION  1.1 Ground air charging/ release connexion (Access panel 63P (left)). Remove blank.  1.2 Hydraulic test trolley. (i) Prime. (ii) Bleed.  1.3 No.1 controls ground test connexions (Access panel 45P (left)). Connect hydraulic test trolley.  1.4 Hydraulic reservoir (No.1 controls system). Replenish (SP 603(AF)).  1.5 Tyre inflation rig (4G/1050542). (i) Connect to ground air charging/release connexion. (ii) Set rig to deliver a pressure of between 16 & 18 lbf/in2.  1.6 Mechanism. Ensure pre-set (parachute doors closed).  1.7 No.1 controls sytem. Pressurize to 3000 lbf/in2 with hydraulic test trolley running at 3750 rev/min.  2. TESTING (See Fig.1 F53; Fig.2 T55)  2.1 Braking parachute stream handle (See Fig.1). (i) Operate. (ii) Chock force required is between 35 & 45 lbf/in2 using spring balance (1A/4273).			
			Continued Overleaf
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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.<br>(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.<br>(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/<br>release connexion<br>(Access panel 63P).                                  | (i) Remove tyre inflation rig (4G/1050542).<br>(ii) Refit blank. |
| 3.3 Hydraulic pump quick<br>release connexions (No.1<br>controls system; Access<br>panel 45P (left)). | (i) Reconnect to aircraft.<br>(ii) Wirelock.                     |

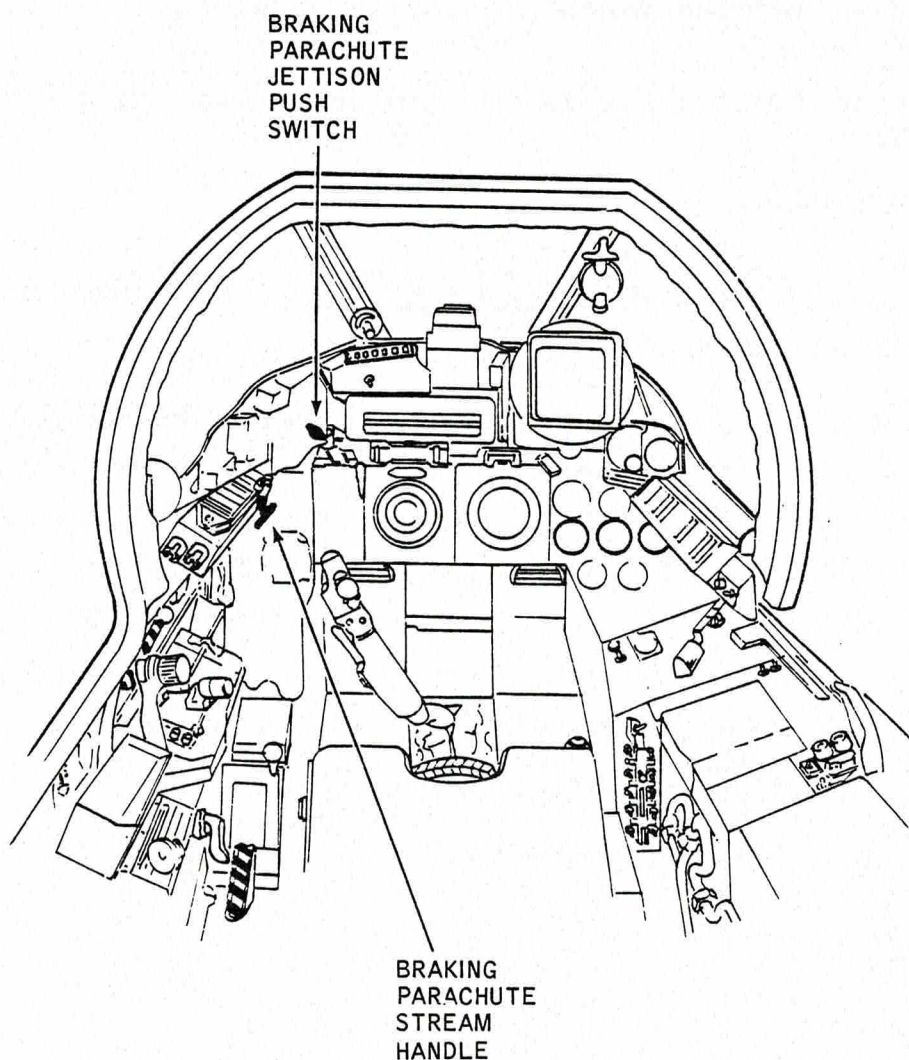
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BRAKE PARACHUTE CONTROLS - F53  
FIGURE 1

Continued Overleaf

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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 (AF)).  
 system).
- 3.6 Access panels. Refit.

43171/42172 (INSPECTOR)

4. INSPECTION STAGE

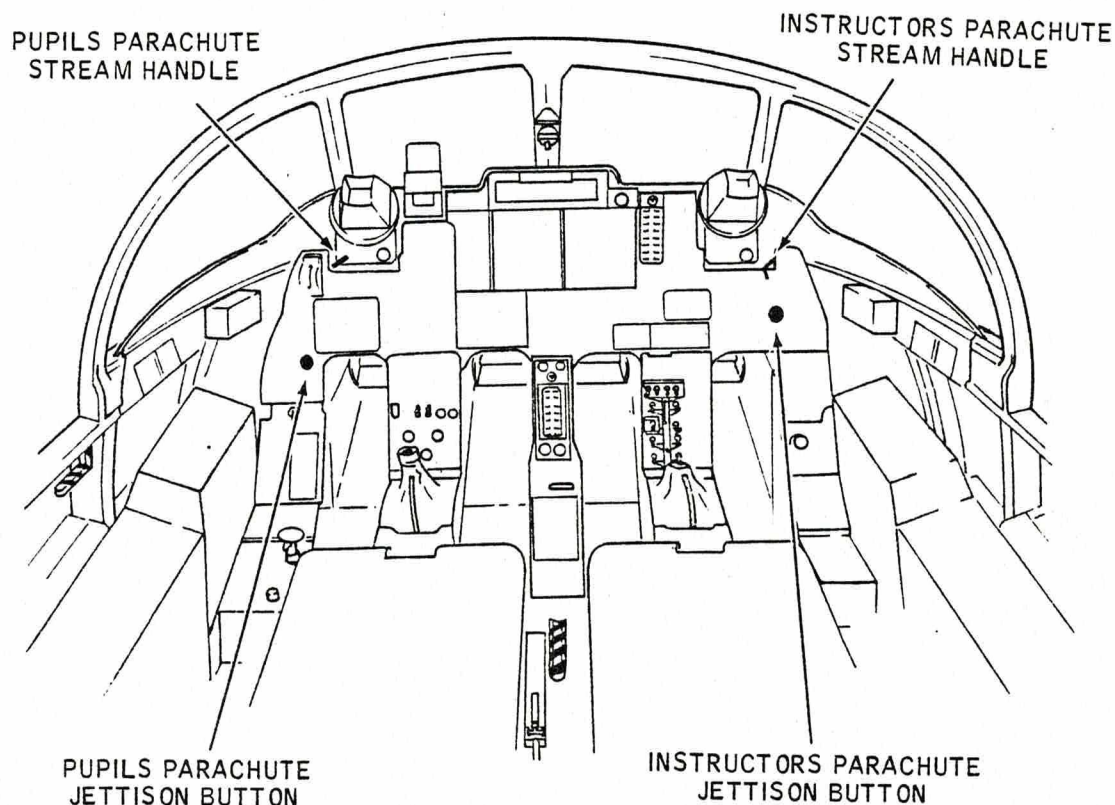
- 4.1 Inspect. After component replacement or  
 if system has been disassembled.

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BRAKE PARACHUTE CONTROLS - F53, T55  
FIGURE 2

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