

CHAP 2 AIRFRAME		SERVICING PROCEDURE		BAC F53 & T55 (SA)	
SP 111	AL 4	F53	T55	5A3A Section 1	
SHEET 1	OF 4			2nd Edition	
Trailing Edge Flaps Functional Check				AFSC	
Safety and Servicing Notes are to be complied with throughout the work detailed on this card.				43151 42172	
				43171 42152	
				32551	
SPECIAL TOOLS AND EQUIPMENT				ASSOCIATED PROCEDURES	
Pitot/Static test set Mk 3 (6C/1042139).				SP 603 (AF)	
Tyre inflation rig (4G/1050542).					
Canopy seal guards F53 (26DK/95129 - Left).					
Canopy seal guards F53 (26DK/95130 - Right).					
Canopy seal guards T55 (26DK/95252 - Left).					
Canopy seal guards T55 (26DK/95253 - Right).					
43151/42152					
1. PREPARATION					
1.1		Ground air charging/ release connexion (Access panel 63P(left)).	Remove blank.		
1.2		Services system hydraulic pressure.	Release pressure by operating brake lever.		
1.3		Hydraulic test trolley.	(i) Prime. (ii) Bleed.		
1.4		No.1 Services ground test connexions (Access panel 45P(left)).	Connect hydraulic test trolley.		
1.5		Hydraulic reservoir (Services).	Replenish (SP 603(AF)).		
1.6		Tyre inflation rig (4G/1050542).	(i) Connect to ground air charging/release connexion (Access panel 63P (left)). (ii) Set rig to deliver a pressure of between 16 and 18 lbf/in2.		
1.7		Canopy seal guards.	Ensure fitted.		
1.8		External d.c. power supply.	(i) Connect. (ii) Set to ON.		
1.9		External a.c. power supply.	(i) Connect. (ii) Set to ON.		
1.10		Instrument master switch.	Set to ON.		
1.11		Pitot/Static test set.	Connect.		
				Continued Overleaf	
SERVICING PROCEDURE INSPECTION STAGES DO NOT EXCLUDE ADDITIONAL INSPECTION STAGES INCORPORATED AS NECESSARY IN MAINTENANCE CERTIFICATION DOCUMENTS					

CHAP 2 AIRFRAME
SP 111 AL 4
SHEET 2 OF 4

SERVICING PROCEDURE
F53 T55

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

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throughout the work detailed on this card.

43151/42152

2. TESTING (F53) AND PUPIL'S FLAP SWITCH (T55)

2.1 Services system. Pressurize to 3000 lbf/in2.

NOTE: Sub-items 2.2 & 2.3 must be carried out simultaneously.

2.2 Flaps. (i) Lower.
(ii) Ensure down travel is equal
and correct; 20.3 in. PLUS
OR MINUS 0.25 in. measured
at inboard and outboard
trailing edge.

2.3 Flap gauge. Ensure operating correctly.

NOTE: In Sub-item 2.4 the variation of assymetry between
left and right flaps must not exceed half a second.

2.4 Flaps. (i) Raise, ensuring that time
taken is between 2.5 and 3.5
sec.
(ii) Lower, ensuring that time
taken is between 3 and 4
sec.
(iii) Raise.

2.5 Jack mechanical lock
indicators. Ensure full engagement in up
position, with the tab and
scribed arrow on jack body
aligned, within 3 seconds after
flaps are fully up.

2.6 Flaps. Lower.

32551

3. TESTING

3.1 Pitot system. Pressurize to equivalent of
250 Kt PLUS OR MINUS 10 knots.

3.2 Flaps. Ensure automatically returned
to up position.

3.3 Pitot pressure. Release.

3.4 Flaps. Ensure automatically returned
to down position.

Continued

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CHAP. 2 AIRFRAME	SERVICING PROCEDURE	BAC F53 & T55 (SA)
S.P. 111 A.L. 4	F53 T55	5A3A Section 1
SHEET 3 OF 4		2nd Edition

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43151/42152

4. TESTING

4.1 Flaps. Ensure down.

4.2 Flap selector switch. Set to UP.

5. INSTRUCTOR'S OVERRIDE CHECK (T55)

5.1 Instructor's selector switch. Set to UP.

5.2 Pupil's selector switch. Set to DOWN.

5.3 Flaps. Ensure remain in UP position.

5.4 Instructor's selector switch. Set to DOWN.

5.5 Flaps. Ensure down.

5.6 Pupil's selector switch. Set to UP.

5.7 Flaps. Ensure remain in DOWN position.

5.8 Instructor's selector switch. Set to NEUTRAL.

5.9 Flaps. Ensure return to UP position.

42172/43171 (INSPECTOR)

6. INSPECTION STAGE

6.1 Inspect. After component replacement or if the system has been disassembled.

43151

7. COMPLETION

7.1 Pitot/Static test set. (i) Disconnect.
(ii) Remove.

7.2 Instrument master switch. Set to OFF.

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

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

Continued Overleaf

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SP 111 AL 4	F53 T55	5A3A Section 1
SHEET 4 OF 4		2nd Edition

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7. COMPLETION (Contd)

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| 7.5 Services system hydraulic pressure. | Release pressure by operating brake lever. |
| 7.6 Hydraulic test trolley. | (i) Disconnect.
(ii) Remove. |
| 7.7 Tyre inflation rig (4G/1050542). | (i) Disconnect at ground air charging/release connexion (Access panel 63P (left)).
(ii) Fit blank and wirelock. |
| 7.8 Hydraulic pump quick release connexions (Access panel 45P (Left)). | (i) Reconnect to aircraft.
(ii) Wirelock. |
| 7.9 Services system reservoir. | Replenish (SP 603(AF)). |
| 7.10 Access panels. | Refit. |
| 7.11 Canopy seal guards. | Ensure removed. |

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

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