

CHAP 2 AIRFRAME SP 111 AL 4 SHEET 1 OF 4	SERVICING PROCEDURE F53 T55	BAC F53 & T55 (SA) 5A3A Section 1 2nd Edition
Trailing Edge Flaps Functional Check	AFSC	TIME EST
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		
Pitot/Static test set Mk 3 (6C/1042139). 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).		
<u>43151/42152</u>		
1. PREPARATION <ol style="list-style-type: none"> 1.1 Ground air charging/ Remove blank. release connexion (Access panel 63P(left)). 1.2 Services system Release pressure by hydraulic pressure. operating brake lever. 1.3 Hydraulic test trolley. (i) Prime. (ii) Bleed. 1.4 No.1 Services ground Connect hydraulic test test connexions trolley. (Access panel 45P(left)). 1.5 Hydraulic reservoir Replenish (SP 603(AF)). (Services). 1.6 Tyre inflation rig (i) Connect to ground air (4G/1050542). 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 (i) Connect. supply. (ii) Set to ON. 1.9 External a.c. power (i) Connect. supply. (ii) Set to ON. 1.10 Instrument master 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	SERVICING PROCEDURE	BAC F53 & T55 (SA)
SP 111 AL 4	F53	T55
SHEET 2 OF 4		5A3A Section 1 2nd Edition

Safety and Servicing Notes are to be complied with 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 assymmetry 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

CHAP. 2 AIRFRAME

S.P. 111 A.L. 4

SHEET 3 OF 4

SERVICING PROCEDURE

F53

T55

BAC F53 & T55 (SA)

5A3A Section 1

2nd Edition

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

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

CHAP 2 AIRFRAME	SERVICING PROCEDURE	BAC F53 & T55 (SA)
SP 111 AL 4	F53 T55	5A3A Section 1
SHEET 4 OF 4		2nd Edition

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

43151

7. COMPLETION (Contd)

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.



This file was downloaded
from the RTFM Library.

Link: www.scottbouch.com/rtfm

Please see site for usage terms,
and more aircraft documents.