

CHAP. 2 AIRFRAME S.P. 107 A.L. 4 SHEET 1 OF 4	SERVICING PROCEDURE F53 T55	BAC F53 & T55 (SA) 5A3A Section 1 2nd Edition
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Undercarriage Emergency Retraction	AFSC	TIME EST
Safety and Servicing Notes are to be complied with throughout the work detailed on this card.	43151 42152 43172 42172	

SPECIAL TOOLS AND EQUIPMENT	ASSOCIATED PROCEDURES
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Pitot/Static Test Set Mk3 (6C/1042139).  
 Setting Pin (Part No. ST 1657/2).  
 Tyre Inflation Rig (4G/1050542).  
 Canopy seal guards F53 (26DK/95129 - Left).  
 Canopy seal guards F53 (26K/95130 - Right).  
 Canopy seal guards T55 (26DK/95252 - Left).  
 Canopy seal guards T55 (26DK/95253 - Right).

NOTE: During this servicing procedure No.2 engine hatch or jury strut must be fitted at all times.

43252

1. PREPARATION

1.1 Aircraft. (i) Raise on jacks until all wheels are clear of ground.  
 (ii) Trestle at FR 59.

NOTE: Ensure ailerons are in the neutral position.

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2. PREPARATION

2.1 Ground air charging Remove blank.  
 release connexion  
 (Access panel 63P (left)).

2.2 Services system. Release pressure by operating  
 brake lever.

2.3 Hydraulic test trolley. (i) Prime.  
 (ii) Bleed.

2.4 No.1 Services ground Connect hydraulic test  
 test connexions (Access trolley.  
 panel 45P (left)).

2.5 Hydraulic reservoir. Replenish (SP 603(AF)).

2.6 Tyre inflation rig (4G/1050542). (i) Connect to ground air  
 charging/release  
 connexion (Access panel  
 63P (left)).

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2. PREPARATION (Contd)

2.6 Tyre inflation rig (4G/1050542) (Contd). (ii) Set rig to deliver a pressure of between 16 and 18 lbf/in<sup>2</sup>.

2.7 Canopy seal guards. Ensure fitted.

2.8 Slave battery. Fit.

2.9 Battery isolating switch. Set to ON.

2.10 Pitot/Static test set. Connect.

2.11 Armament safety break (Right undercarriage wheel well). (i) Remove from lanyard. (ii) Stow lanyard and flag in stowage pocket.

2.12 Undercarriage toggle switch. Ensure set to DOWN.

2.13 Undercarriage ground locks. Remove.

3. TESTING

3.1 Services system. Pressure to 3000 lbf/in<sup>2</sup>.

3.2 Nose undercarriage. Ensure aligned fore and aft.

3.3 Pitot/Static system. Pressurize progressively.

3.4 Undercarriage toggle switch. Ensure inoperative at pitot pressure equivalent to less than 165 Kt.

3.5 Undercarriage toggle switch override. (i) Turn clockwise. (ii) Set to UP.

3.6 Undercarriage indicator lamps. Ensure extinguished.

3.7 Undercarriage toggle switch. Set to DOWN.

3.8 Undercarriage indicator lamps (green), (F53: quantity 3, T55: quantity 6). Ensure lit.

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#### 4. RESETTING

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## 5. INSPECTION STAGE

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

4 3 1 7 1 / 4 2 1 7 2 (INSPECTOR)

## 6. INDEPENDENT CHECKS

6.1 NOTE: The independent checks detailed in this item are to ensure that the undercarriage Hydel selector slide valve is correctly positioned and must be carried out personally by specialist inspectors who have not been directly concerned with the operations detailed in this Servicing Procedure.

- 6.1 Undercarriage toggle switch. Ensure set to DOWN.
- 6.2 Services system. Pressurize to 3000 lbf/in<sup>2</sup>.
- 6.3 Undercarriage indicator lamps (green) (F53: quantity 3, T55: quantity 6). Ensure lit.
- 6.4 Undercarriage ground locks. Fit.
- 6.5 Aircraft job card. Endorse as follows:  
Certified I have personally carried out the independent checks detailed in Servicing Procedure BAC F53 and T55 (SA) 5A3A Section 1 SP 107(AF).

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## 7. COMPLETION

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

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CHAP 2 AIRBRAKES	SERVICING PROCEDURE	BAC F53 & T55 (SA)
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7. COMPLETION (Contd)

7.2 Services system. Release pressure by operating brake lever.

7.3 Battery isolating switch. Set to OFF.

7.4 Slave battery. Remove.

7.5 Ground equipment.
 

- (i) Operate to lower aircraft to ground.
- (ii) Remove from vicinity of aircraft.

7.6 Tyre inflation rig (4G/1050542).
 

- (i) Disconnect at ground air charging/release connexion.
- (ii) Fit blank and wirelock.

7.7 Hydraulic test trolleys.
 

- (i) Disconnect.
- (ii) Remove.

7.8 Hydraulic pump quick release connexions (Services access panel 45P (left)).
 

- (i) Reconnect to aircraft.
- (ii) Wirelock.

7.9 Hydraulic reservoirs. Replenish (SP 603(AF)).

7.10 Access panels. Refit.

7.11 Canopy seal guards. Remove.

7.12 Armament safety brake.
 

- (i) Remove flag and lanyard from stowage.
- (ii) Reconnect lanyard.

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

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