

CHAP. 2 AIRFRAME S.P. 126 A.L. 4 SHEET 1 OF 3	SERVICING PROCEDURE F53 T55	BAC F53 & T55 (SA) 5A3A Section 1 2nd Edition
Undercarriage Emergency Selector Valve - Leakage Test		AFSC 42152
Safety and Servicing Notes are to be complied with throughout the work detailed on this card.		TIME EST 42172
SPECIAL TOOLS AND EQUIPMENT		
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).		ASSOCIATED PROCEDURES SP602 (AF) 603 (AF) 106 (AF) 108 (AF)
<u>42152</u>		
<p>1. PREPARATION</p> <p>1.1 Ground air charging/ release connexion (Access panel 63P (left)). Remove blank.</p> <p>1.2 Hydraulic test trolleys. (i) Prime. (ii) Bleed.</p> <p>1.3 No.1 Services and No.1 Controls ground test connexions (Access panel 45P (left)). Connect hydraulic test trolleys.</p> <p>1.4 Hydraulic accumulators (Services and No.1 and No.2 Controls). Check pressures (SP 602 (AF)).</p> <p>1.5 Hydraulic reservoirs (Services and No.1 Controls). Replenish (SP 603 (AF)).</p> <p>1.6 Tyre inflation rig (4G/1050542). (i) Connect to ground charging/release connexion (Access panel 63P (left)). (ii) Set rig to deliver a pressure of between 16 and 18 lbf/in².</p> <p>1.7 Undercarriage ground locks. Ensure fitted.</p> <p>1.8 Undercarriage toggle switch (Cockpit). Ensure set to DOWN.</p> <p>1.9 External d.c. power supply. (i) Connect. (ii) Set to ON.</p>		
Continued Overleaf		

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SERVICING PROCEDURE

F53

T55

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1. PREPARATION (contd)

1.10 Canopy seal guards. Ensure fitted.

2. TESTING

2.1 Services hydraulic system. Pressurize to 3000 lbf/in².

2.2 Undercarriage indicator lamps (green) (F53;
quantity 3, T55:
quantity 6).

2.3 Services hydraulic system. Release pressure by operating brake lever.

2.4 External d.c. power supply. Set to OFF.

2.5 No.1 Controls hydraulic system.

- (i) Pressurize to 3000 lbf/in² for 5 minutes.
- (ii) Release pressure.

2.6 Services system reservoir overflow drain pipe. Position a calibrated container.

2.7 No.1 Control hydraulic system. Pressurize to 3000 lbf/in² for 40 min.

2.8 Calibrated container. Measure quantity of fluid collected.

NOTE: Item 3 is only applicable if quantity of fluid collected in sub-item 2.8 exceeds 50 cc.

3. REPLACEMENT

3.1 Emergency selector valve. Replace.

42172 (INSPECTOR)

4. INSPECTION STAGE

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

Continued

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SERVICING PROCEDURE

F53 T55

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5. TESTING

5.1 No.1 Controls hydraulic system. (i) Pressurize to 3000 lbf/in² for 5 minutes.
(ii) Release pressure.

5.2 Services system reservoir overflow drain pipe. Position a calibrated container.

5.3 No.1 Control hydraulic system. Pressurize to 3000 lbf/in² for 40 min.

5.4 Calibrated container. Measure quantity of fluid collected.

6. COMPLETION

6.1 Undercarriage hydraulic system. Carry out SP 106(AF), SP 108(AF).

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

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TELEBRIEF
CONNECTIONS

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