

CHAP 6 AIRFRAME SP 603 A L SHEET 1 OF 4	SERVICING PROCEDURE F53 T55	BAC F53 & T55 (SA) 5A3A Section 1 2nd Edition
Hydraulic Reservoirs (Oil, OM-15) - Replenishment	AFSC 43151	TIME EST
Safety and Servicing Notes are to be complied with throughout the work detailed on this card.	42152	
SPECIAL TOOLS AND EQUIPMENT		ASSOCIATED PROCEDURES
Dispenser Juniper (26DK/95191), or Guns fluid replenishment (Risbridger) (4G/2051077). Pipes overflow (26DK/95368).		
<u>43151/42152</u>		
<p>NOTE: After engines have been run, fluid must be allowed to cool for approximately 30 minutes before reservoirs are replenished. If an abnormal quantity of fluid is required to fully replenish a reservoir, the pump circuit of that particular system is to be bled at the pressure bypass and supply lines.</p>		
<u>43151</u>		
1. PREPARATION		
1.1 External d.c. power supply.	(i) Connect. (ii) Set to ON.	
<u>43151/42152</u>		
2. PREPARATION		
2.1 Undercarriage.	Ensure DOWN.	
2.2 Flaps.	Ensure UP.	
2.3 Airbrakes.	Ensure IN.	
2.4 Brake parachute doors.	Ensure CLOSED.	
2.5 Brake parachute stream handle.	Ensure NORMAL.	
2.6 Canopy.	Ensure OPEN.	
2.7 Undercarriage emergency selector.	Ensure not operated.	
Continued Overleaf		

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throughout the work detailed on this card.

43151 / 42152

2. PREPARATION (contd)

2.8 Hydraulic accumulators:-

- (a) No.1 and 2 controls.
- (b) Wheel brake.
- (c) Front system.
- (d) Rear system.
- (e) Feel system.

} Release hydraulic pressure.

2.9 Feel selector.

Set to FEEL OUT.

2.10 Drain valve outlets:-

- (a) Services and No.1 controls systems.
- (b) Services and No.2 controls systems.

} Fit overflow pipes.

2.11 Access Panels 63P
(left) and 60S (right).

Remove.

43151

3. COMPLETION

3.1 External d.c. power supply

- (i) Set to OFF.
- (ii) Disconnect.

43151 / 42152

4. REPLENISHMENT

NOTE: Sub-item 4.1 is applicable only if using a Juniper Dispenser.

4.1 Reservoir:-

- (a) Services system; Access Panel 63P (left).
- (b) No.1 controls system; Access Panel 63P (left).
- (c) No.2 controls system; Access Panel 60S (right).

} (i) Connect replenishing rig.
(ii) Maintain dispenser pot in vertical position and replenish at not less than 45 lbf/in² until oil free from air flows from overflow pipe.

Continued

CHAP. 6 AIRFRAME S.P. 603 A.L. 1 SHEET 3 OF 4	SERVICING PROCEDURE F53 T55	BAC F53 & T55 (SA) 5A3A Section 1 2nd Edition
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43151/42152		
4. REPLENISHMENT (contd)		
<p>NOTE 1: Sub-item 4.2 is applicable only if using a Risbridger Gun.</p> <p>NOTE 2: When a new can of oil has to be fitted ensure the gun stack-pipe is tight, prime and bleed delivery hose. The oil delivery rate is 18 strokes/pint.</p>		
4.2 Reservoir:-		
(a) Services system. (b) No.1 controls system. (c) No.2 controls system.	}	(i) Connect replenishing gun. (ii) Maintain gun in vertical position and replenish until oil free from air flows from overflow pipe.
4.3 Recording.		<p>Record in F1500-3, quantity of oil required to fill reservoir.</p> <p>NOTE: The quantity of fluid required to replenish each system is to be entered in the appropriate column after due allowance has been made for fluid discharged from system drain. Quantities of fluid required to replenish No.1 controls system in excess of consumption rate of 0.25 pint/flying hour and in excess of 0.125 pint/flying hour for the No.2 controls system or services system is to be investigated. However, consistent replenishments of up to double the quantities stated above may be accepted provided the cause has been investigated and satisfactorily explained.</p>
Continued Overleaf		
SERVICING PROCEDURE INSPECTION STAGES DO NOT EXCLUDE ADDITIONAL INSPECTION STAGES INCORPORATED AS NECESSARY IN MAINTENANCE CERTIFICATION DOCUMENTS		

CHAP 6 AIRFRAME SP 603 AL SHEET 4 OF 4	SERVICING PROCEDURE F53 T55	B A C F 53 & T 55 (SA) 5A3A Section 1 2nd Edition
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43151/42152

5. COMPLETION

- 5.1 Replenishing rig. Remove.
- 5.2 Drain valve outlets. Remove overflow pipes.
- 5.3 Access Panels
63P (left) and
60S (right). Refit.

A close-up photograph of the side of an aircraft. The surface is made of light-colored metal panels with a grid of circular rivets. A vertical strip of orange-yellow material, possibly insulation or a repair panel, is visible on the right side. The lighting is dramatic, with a bright light source on the left creating strong highlights and shadows.

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