

CHAP. 4 AIRFRAME S.P. 434 A.L. 1 SHEET 1 OF 2	SERVICING PROCEDURE F53 T55	BAC F53 & T55 (SA) 5A3A Section 1 2nd Edition
Hydraulic Accumulator - Nitrogen Leaks Past Piston		AFSC 43151 42152
Safety and Servicing Notes are to be complied with throughout the work detailed on this card.		TIME EST

SPECIAL TOOLS AND EQUIPMENT

Adapter, inflation (4G/1050581).  
Gauge (4G/4420034), or  
Gauge (4G/4420032).  
Adapter, charging (26DK/95304).

NOTE: A pressure loss which cannot be attributed to an external leak is hazardous to the safety of the aircraft.

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1. TESTING

1.1 Services aileron, tailplane, brakes and feel unit accumulators. Check nitrogen pressures using adapter (4G/1050581) and gauge (4G/4420034 or 4G/4420032) and compare with pressures in Table 1.

NOTE 1: If at any time a pressure loss is clearly indicated after allowing for any temperature variation as detailed in Table 1 and the accumulator has been replenished in the last 28 days or the pressure loss exceeds 50 lbf/in<sup>2</sup> then the cause is to be investigated.

NOTE 2: The pressure readings obtained by use of the Turner adapter gauge and the dates of any accumulator replenishments are to be entered for reference on a suitable amended form in the F1500 Series, Aircraft Flight Report and Maintenance Record.

CHAP 4 AIRFRAME  
SP 434 A L  
SHEET 2 OF 2

## SERVICING PROCEDURE

F53

T55

B A C F 53 &amp; T 55 (SA)

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	AMBIENT TEMPERATURE (DEGREES C. OR DEGREES F.)						
	-26C.	-10C.	ZERO C.	+15C.	+30C.	+50C.	LIMITS
	-15F.	+14F.	+32F.	+59F.	+86F.	+122F.	
Ailerons No.1 and No.2 controls accumulator.							
Tailplane No.1 and No.2 controls accumulator.	1285	1370	1420	1500	1580	1680	Plus 50 minus zero lbf/in <sup>2</sup>
Front and rear services system accumulator.							
Wheel brakes accumulator.	1455	1550	1610	1700	1790	1905	
Feel unit accumulator.	100	105	110	115	122	130	Plus zero minus 5 lbf/in <sup>2</sup>

TABLE 1

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