

CHAP. 1 AIRFRAME		SERVICING PROCEDURE		BAC F53 & T55 (SA)	
S.P. 1 A.L. 3		F53 T55		5A3A Section 1	
SHEET 1 OF 4				2nd Edition	
Mainwheel - Removal and Fitting				AFSC	
				43151	
Safety and Servicing Notes are to be complied with throughout the work detailed on this card.				42152	
				43171	
SPECIAL TOOLS AND EQUIPMENT				ASSOCIATED PROCEDURES	
Spanner (26DK/95082). Bracket (26DK/1503984) - (Post Mod.GE 8141/SA). Jack, pillar 15 Ton (4Q/1045837). Adapter (4Q/2663). Extractor (26DK/95708). Locally manufactured axle thread protector. Brake Unit Alignment rig (27G/6804).					
43151/42152					
1. PREPARATION					
1.1 Main leg jacking bracket and adapter (26DK/1503984 and 4Q/2663).				Fit.	
1.2 Mainwheel.				Raise, using jack (4Q/1045837).	
1.3 Brake system accumulators.				Pressurize, using aircraft hand-pump.	
1.4 Brake control lever.				Set to PARKED.	
2. REMOVAL					
2.1 Axle:-					
(a) Split pins (2).				Remove.	
(b) Axle nut.				Remove, using spanner (26DK/95082).	
(c) Keyed washer.				Remove.	
2.2 Axle thread protector.				Fit to stub axle threads.	
2.3 Mainwheel.				Remove, using extractor (26DK/95708).	
3. PREPARATION					
3.1 Brake unit.				(i) Clean (ii) Examine for signs of the following:- (a) Insecure (unsafe) attachment.	
				Continued Overleaf	
SERVICING PROCEDURE INSPECTION STAGES DO NOT EXCLUDE ADDITIONAL INSPECTION STAGES INCORPORATED AS NECESSARY IN MAINTENANCE CERTIFICATION DOCUMENTS					

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4. FITTING (contd)

4.5 Axle:-

- | | |
|-----------------------|----------|
| (a) Thread protector. | Remove. |
| (b) Keyed washer. | } Refit. |
| (c) Axle nut. | |

5. AXLE NUT END-FLOAT ADJUSTMENT

5.1 Axle nut.

- (i) Tighten to take up all clearance.
- (ii) Slacken axle nut to give end-float of 0.005 to 0.01 in. following the procedure in Operations (iii) and (iv).
- (iii) If slots and pairs of holes align, unscrew axle nut until next pair of slots align with holes.
- (iv) If no slots and holes are aligned unscrew axle nut minimum amount to achieve alignment. Then unscrew axle nut until next pair of slots align with same holes.
- (v) Total movement of axle nut must be between 30 and 60 degrees.
- (vi) Lock axle nut with two new split pins.(28P/19176).

6. MAXARET ADJUSTMENT

6.1 Maxaret unit.

Adjust to give flat on tyre of between 0.75 and 1.0 in.

43171 (INSPECTOR)

7. INSPECTION STAGE

7.1 Inspect.

Items 4, 5 and 6.

Continued Overleaf

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8. COMPLETION

8.1 Aircraft. Lower to ground.

8.2 Jacking adapter. }

8.3 Jacking bracket and jack. } Remove.



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