

CHAP. 2 AIRFRAME		SERVICING PROCEDURE		BAC F53 & T55 (SA)	
S.P. 418	A.L. 11	F53	T55	5A3A Section 1	
SHEET 1 OF 2				2nd Edition	
Mainwheel Nut And Stub Axle - Examination Of Mating Threads For Excessive Wear				AFSC 43151	TIME EST
Safety and Servicing Notes are to be complied with throughout the work detailed on this card.					
SPECIAL TOOLS AND EQUIPMENT					ASSOCIATED PROCEDURES
No-Go gauge (Locally manufactured). Dial test indicator (1B/9100090). Magnifying glass (6E/27S). Thread chaser (3B/9103667). Adapter (4Q/2663). Jack pillar 15 ton (4Q/1045837). Bracket (26DK/1503984).					SP1 (AF)
<u>43151</u>					
1. PREPARATION					
1.1 Main leg jacking bracket and adapter (26DK/1503984 and 4Q/2663). Fit.					
1.2 Pillar jack (4Q/1045837). (i) Position under adapter. (ii) Operate to raise mainwheel off ground.					
1.3 Brake control lever. Set to parked position.					
1.4 Brake system. Pressurize using aircraft hand pump.					
NOTE: Measure protrusion of axle through nut and note dimension.					
1.5 Mainwheel. Remove (SP 1 (AF)).					
2. EXAMINATION					
NOTE: Manufacture No-Go plug gauge from mild steel with outside diameter of 2.365 ins PLUS OR MINUS 0.001 in.					
2.1 Axle nut. Check with No-Go gauge. Reject nuts which gauge passes through. Obtain new nut.					
					Continued Overleaf
SERVICING PROCEDURE INSPECTION STAGES DO NOT EXCLUDE ADDITIONAL INSPECTION STAGES. INCORPORATED AS NECESSARY IN MAINTENANCE CERTIFICATION DOCUMENTS					

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SP 418 AL 4	F53 T55	5A3A Section 1
SHEET 2 OF 2		2nd Edition

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43151

2. EXAMINATION (contd)

- 2.2 Stub axle.
- (i) Examine threads with magnifying glass, particularly those either side of the keyway.
 - (ii) If necessary carefully clean out damaged threads using thread chaser (3B/9103667).
- 2.3 Stub axle.
- (i) Engage nut on stub axle and run on to same position as in note after sub-item 1.4
 - (ii) With dial test indicator (1B/9100090) measure the vertical movement of the nut. This must not exceed 0.016 in.

3. COMPLETION

- 3.1 Mainwheel. Refit (SP 1(AF)).

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