

CHAP 2 AIRFRAME SP 144 AL 4 SHEET 1 OF 3	SERVICING PROCEDURE F53 T55	BAC F53 & T55 (SA) 5A3A Section 1 2nd Edition
Airbrake Micro Switch Plunger Spindle - Adjustment	AFSC 42152 43151	TIME EST
Safety and Servicing Notes are to be complied with throughout the work detailed on this card.		
SPECIAL TOOLS AND EQUIPMENT Tyre inflation rig (4G/1050542).		ASSOCIATED PROCEDURES SP603 (AF) 112 (AF)
	<u>42152 / 43151</u>	
1. PREPARATION		
1.1 Ground air charging/ release connexion (Access panel 63 (left)).	Remove blank.	
1.2 Services system hydraulic pressure.	Release pressure by operating brake lever.	
1.3 Hydraulic test trolley.	(i) Prime. (ii) Bleed.	
1.4 No.1 Services ground test connexions (Access panel 45P(left)).	Connect hydraulic test trolley.	
1.5 Hydraulic reservoirs.	Replenish (SP 603 (AF)).	
1.6 Tyre inflation rig (4G/1050542).	(i) Connect to ground air charging/release connexion (Access panel 63P(left)). (ii) Set rig to deliver a pressure of between 16 and 18 lbf/in ² .	
1.7 External d.c. power supply.	Connect.	
1.8 Access panels.	Remove.	
1.9 Airbrakes.	Open, using aircraft hand pump.	
2. ADJUSTMENT		
2.1 Micro-switch plunger spindle. (Access panel 111P(left) and 111S(right)).	Slacken off lock nut (See Fig.1).	
		Continued Overleaf

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2. ADJUSTMENT (Contd)

2.2 Operating plunger spindle.	(i) Retract by turning clockwise. (ii) Extend by turning counter-clockwise (See Fig.1).
2.3 Airbrakes	Fully close, ensuring flush fitting to fuselage skin.
2.4 Operating plunger spindle.	(i) Screw in plunger left and right, until contact is felt with toggle linkages. (ii) Screw in plungers half a turn at a time, Left and right together, until locked indicator is showing in cockpit by indicator needle moving behind masked panel to show three white dots. (iii) Give further half turn to both plungers. (iv) Tighten locknut (Left and right).

3. TESTING

3.1 Airbrakes. Test (SP 112(AF)).

4. COMPLETION

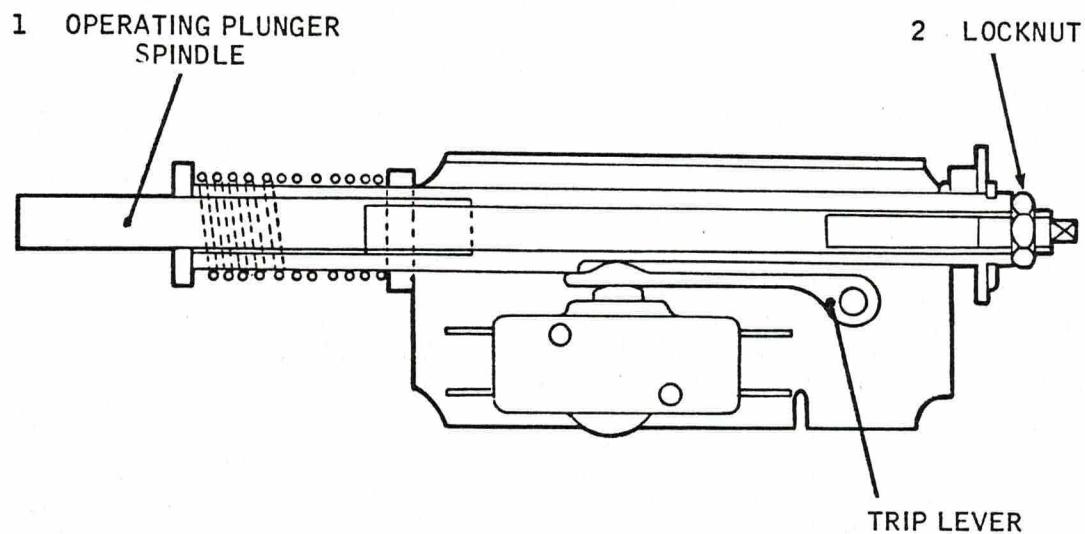
4.1 Access panels. Refit.

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MICRO-SWITCH UNIT ASSEMBLY

FIGURE 1



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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