

CHAP. 2 AIRFRAME	SERVICING PROCEDURE	BAC F53 & T55 (SA)
S.P. 132 A.L. 4	F53 T55	5A3A Section 1
SHEET 1 OF 3		2nd Edition
Canopy Firing Handle Pull-Off Tests	AFSC	TIME EST
Safety and Servicing Notes are to be complied with throughout the work detailed on this card.	42272	
SPECIAL TOOLS AND EQUIPMENT		ASSOCIATED PROCEDURES
Spring balance 0-56 lb. (1A/1275139).		SP 28A (AF)
NOTE 1: During this servicing procedure, care must be taken to ensure sears do not become loose articles.		28B (AF)
NOTE 2: If any cable adjustment is required, ensure no pre-release tension is put on other cables.		133 (AF)
NOTE 3: This test must be carried out with ejection seats removed.		
<u>42272</u>		
1. PREPARATION		
1.1 Canopy jettison cartridge.	Ensure not fitted.	
1.2 Canopy firing unit.	Fit.	
1.3 Canopy manual operating cable.	(i) Connect to torque shaft lever (T55); connect to linkage on canopy firing unit sear (F53). (ii) Secure with clevis pin and split pin.	
2. CABLE ADJUSTMENTS		
2.1 Internal jettison handle.	Ensure in fully unoperated position.	
2.2 External jettison handle.	Ensure in fully unoperated position.	
2.3 Canopy jettison cable.	(i) Ensure no slack between jettison handle and sear. (ii) Adjust as necessary. (iii) T55 only: Check cable adjuster threaded portion does not protrude beyond adjuster block more than 0.20 in.	
		Continued Overleaf
SERVICING PROCEDURE INSPECTION STAGES DO NOT EXCLUDE ADDITIONAL INSPECTION STAGES. INCORPORATED AS NECESSARY IN MAINTENANCE CERTIFICATION DOCUMENTS		

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4 2 2 7 2

2. CABLE ADJUSTMENTS (Contd)

- 2.4 External jettison cable. Disconnect at lever assembly end on rear pressure bulkhead.

NOTE: Items 3 and 4 must be carried out three times in sequence.

3. TESTING (INTERNAL)

- 3.1 Spring balance (1A/1275139). (i) Attach to internal jettison handle.  
(ii) Pull until sear withdrawn recording pull-off force required during entire operation.

- 3.2 Internal jettison handle. Return to un-operated position with lever assembly end under tension to avoid kinking of cable.

- 3.3 External jettison handle. Reconnect.

4. RESETTING

- 4.1 Firing unit. (i) Recock  
(ii) Fit sear.

- 4.2 Canopy firing unit manual firing cable. Ensure fitted correctly to bracket of sear.

5. OPERATING FORCE CALCULATION

- 5.1 Canopy jettison operating system. Check average of three readings recorded in sub-item 3.1 operation  
(ii) does not exceed 40lbs (F53) 45lbs (T55).

NOTE: If reading is exceeded re-adjust (SP 28A(AF) (F53) and SP 28B(AF) (T55)).

- 5.2 Internal jettison cable. Disconnect at lever assembly end on rear pressure bulkhead.

NOTE: Items 6 and 7 must be carried out three times in sequence.

6. TESTING (EXTERNAL)

- 6.1 Spring balance (1A/1275139). (i) Attach to external jettison handle.

Continued

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6. TESTING (EXTERNAL (Contd))

- 6.1 Spring balance (Contd). (ii) Pull until sear withdrawn recording pull-off force required during entire operation.
- 6.2 External jettison handle. Return to un-operated position ensuring flush with skin, keeping lever assembly end under tension to avoid kinking of cable.
- 6.3 Internal jettison cable. Reconnect.

7. RESETTING

- 7.1 Firing unit. (i) Recock.  
(ii) Fit sear.

8. PULL-OFF FORCE CALCULATION

- 8.1 Canopy jettison operating system. Check average of three readings recorded in sub-items 6.1 operation (ii) does not exceed 45lbs.

NOTE: If reading is exceeded re-adjust (SP 28A(AF) (F53) and SP 28B(AF) (T55)).

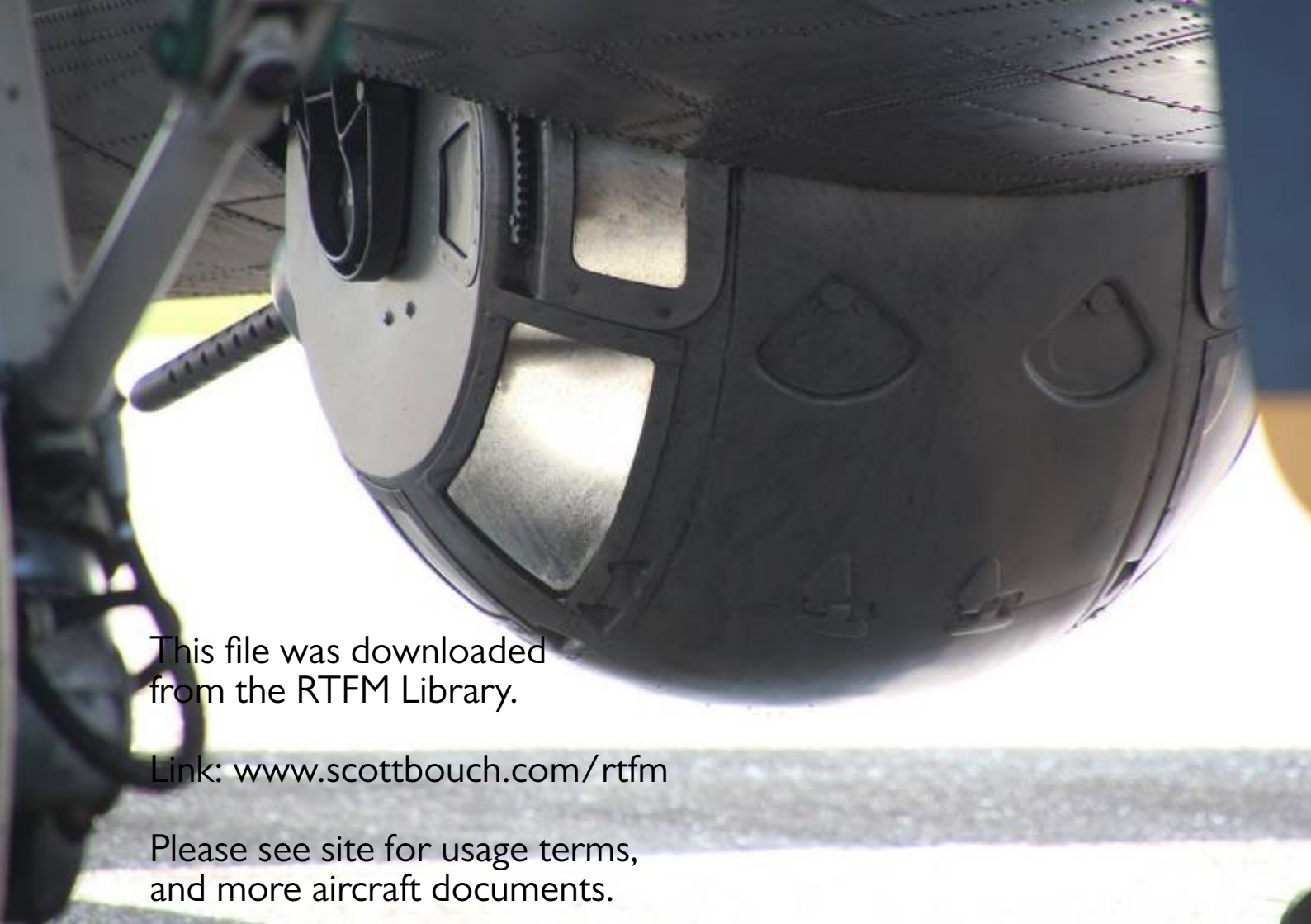
4 2 2 7 2 (INSPECTOR)

9. INDEPENDENT CHECK

- 9.1 Cable assembly. Carry out SP 133(AF)).







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