

CHAP 4 AIRFRAME SP 419 AL 4 SHEET 1 OF 4	SERVICING PROCEDURE F53 T55	BAC F53 & T55 (SA) 5A3A Section 1 2nd Edition
Arrestor Hook Operating Mechanism - Lubrication And Adjustment		AFSC 43151
Safety and Servicing Notes are to be complied with throughout the work detailed on this card.		TIME EST 43171
SPECIAL TOOLS AND EQUIPMENT		ASSOCIATED PROCEDURES
Retraction rig (EF5-88-367). Safety bar (26DK/1439551).		SP140 (AF) 141 (AF) 142 (AF)
NOTE 1 : During this servicing procedure, personnel must keep clear of arrestor hook at all times.		
NOTE 2 : The operating handle, all pulley bearings and levers are prepacked with grease XG287 during assembly.		
NOTE 3 : This servicing procedure must be carried out with No.1 engine, No.1 inter and reheat jet pipes removed.		
NOTE 4 : Ensure no fouling or interaction of operating cable with any other system, particularly the brake parachute stream system.		
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1. PREPARATION		
1.1 Arrestor hook safety bar (26DK/1439551).	Remove.	
1.2 Arrestor hook.	Release from stowed position and lower onto two hard rubber mats prepositioned on ground (Using retraction rig EF5-88-367).	
1.3 Arrestor hook operating handle.	Return to unoperated position (Ball catch engaged).	
1.4 Link plate (At Frame 25).	Check that centre of aft hole is 5 in. PLUS or MINUS 0.50 in. from aft face of Frame 25 (Link plate may be omitted to obtain this dimension).	
2. LUBRICATION		
2.1 Cable turnbarrel (Forward of Frame 57) (See Fig.1).	(i) Slacken to relieve tension.	
Continued Overleaf		
SERVICING PROCEDURE INSPECTION STAGES DO NOT EXCLUDE ADDITIONAL INSPECTION STAGES INCORPORATED AS NECESSARY IN MAINTENANCE CERTIFICATION DOCUMENTS		

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2. LUBRICATION (Contd)

2.1 Cable turnbarrel
(Forward of Frame 57)
(See Fig.1) Contd.

- (ii) Unscrew slotted adapter at aft end of turnbarrel.
- (iii) Disengage nipple end of cable.

2.2 Cable assembly.

- (i) Disconnect at T lever at release unit.
- (ii) Withdraw through cable conduit.
- (iii) Clean.
- (iv) Examine for corrosion and external damage.
- (v) Lubricate (ZX-28).

2.3 Cable conduit.

Clean internally using suitable pull through.

2.4 Cable assembly.

- (i) Slide into conduit.
- (ii) Reconnect to T lever at release unit.
- (iii) Engage nipple end of cable.
- (iv) Screw slotted adapter to aft end of turnbarrel.
- (v) Take up tension.

3. ADJUSTMENT

3.1 Arrestor hook release unit.

- (i) Set jaws to closed position using suitable bar.
- (ii) Push fully forward and check clearance between end of tie-rod and Frame 59 is 0.15 in. to 0.20 in. (adjust on tie-rod until clearance is obtained).
- (iii) Ensure cocking slide is inset, to a maximum of 0.0625 in. relative to outboard face at forward end of unit, using torch and mirror.

3.2 Arrestor hook operating handle.

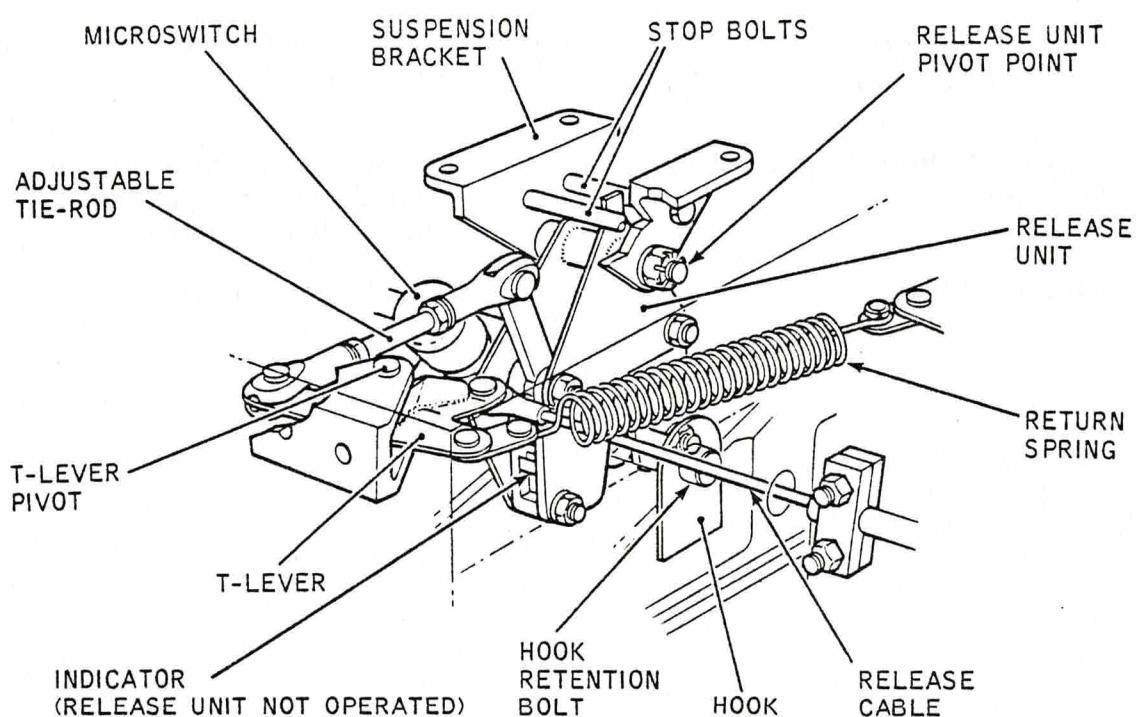
Withdraw 0.90 in and fit distance piece.

3.3 Arrestor hook release unit.

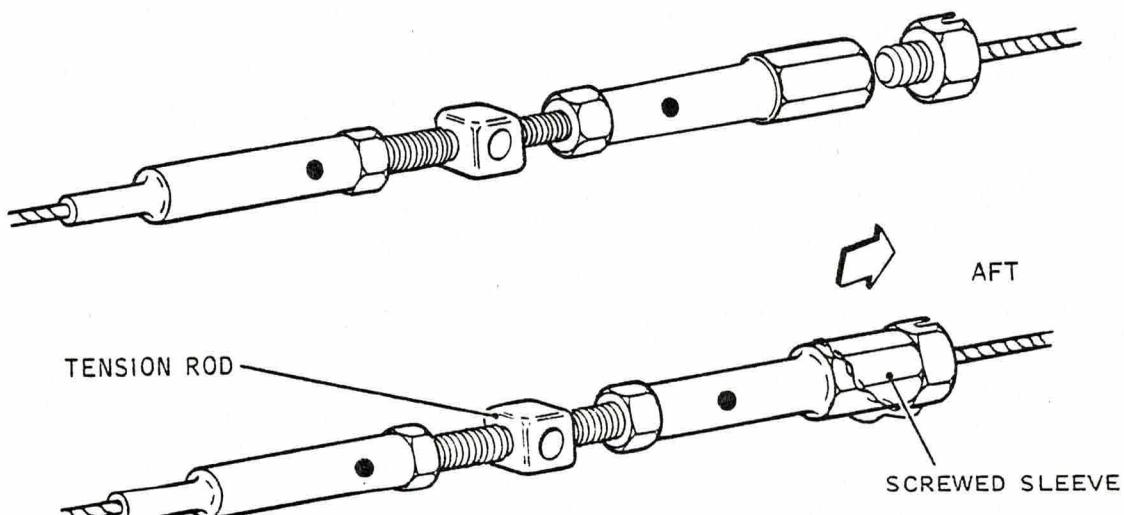
- (i) Ensure jaws locked.
- (ii) Insert suitable bar into jaws of unit.
- (iii) With unit centrally disposed apply slight down load by hand.

Continued

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RELEASE UNIT AND LINKAGE ASSEMBLY



BREAKDOWN/ADJUSTMENT POINT, FRAMES 56-57

BREAKDOWN/ADJUSTMENT POINT FRAMES 56-57
FIGURE 1

Continued Overleaf

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3. ADJUSTMENT (Contd)

3.4 Cable turnbarrel (Forward of Frame 59). Adjust until release unit operates.

3.5 Arrestor hook operating handle. (i) Remove distance piece.
(ii) Reset to unoperated position (Ball catch engaged).

3.6 Cable turnbarrel. (i) Check for safety.
(ii) Wirelock.

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4. INSPECTION STAGE

4.1 Inspect installation. Inspect for:
(i) Correct assembly and locking
(ii) Function.

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5. TESTING

5.1 Arrestor hook. (i) Test (SP 141(AF)).
(ii) Test (SP 140(AF)).

6. COMPLETION

6.1 Arrestor hook. Reset (SP 142(AF)).

NOTE: All wirelocking to be of 22 SWG stainless steel locking unless otherwise stated.

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