CHAP 2 AIRFRAME SP 122 AL 4 SHEET 1 OF 3	SERVICING PROCEDURE F53 T55	BAC F53 & T55 (SA) 5A3A Section 1 2nd Edition

Brake Parachute - Geometric Check	AFSC 43151	TIME EST
Safety and Servicing Notes are to be complied with throughout the work detailed on this card.		

SPECIAL TOOLS AND EQUIPMENT

Nil.

ASSOCIATED PROCEDURES

SP 131(AF)

43151

1. PREPARATION

1.1	Access panel 91.	Remove.
1.2	Jettison mechanism (See Fig.1).	Ensure clean, particularly in vicinity of latch and lever bearing.

2. GEOMETRIC CHECK (JETTISON LEVER UNLOCKED)

2.1	Soleniod plunger and stirrup link.	(i) Ensure freedom of movement. (ii) Push fully forward into solenoid.
2.2	Hook lever.	Depress.
2.3	Hook lever and latch assembly.	Check gap is 0.075 in. to 0.085 in.

NOTE: Item 3 is to be carried out if the measurement in sub-item 2.3 is outside limits.

3. ADJUSTMENT

3.1	Solenoid terminal block.	Remove to facilitate adjustment.
3.2	Solenoid plunger linkage.	(i) Remove split pin. (ii) Remove collar and shackle pin.
3.3	Solenoid plunger fork-end.	Rotate until gap in sub-item 2.3 is obtained.
3.4	Solenoid plunger linkage.	(i) Refit shackle pin and collar. (ii) Lock with new split pin.
3.5	Latch assembly.	Press fully aft and ensure latch stop just makes contact.

Continued Overleaf

43151

3. ADJUSTMENT (contd)

NOTE: With latch assembly in this position, latch fork end should be overcentre of ball bearing (See Fig 1, Detail A).

3.6 Solenoid terminal block. Refit.

NOTE: Ensure all connexions and locking are secure.

4. GEOMETRIC CHECK (JETTISON LEVER LOCKED)

4.1 Latch assembly. Check minimum clearance of 0.20 in. exists between aft profile face of latch-fork and forward face of hook channel (See Fig.1, Detail A).

4.2 Latch assembly extension (Pointer). Check minimum clearance of 0.050 in. exists between latch assembly extension and hook lever fairing (See Fig.1, Detail A).

NOTE: Sub-item 4.3 is applicable only if clearance in sub-items 4.1 and 4.2 incorrect.

4.3 Hook lever fairing. Trim to correct clearance.

5. TESTING

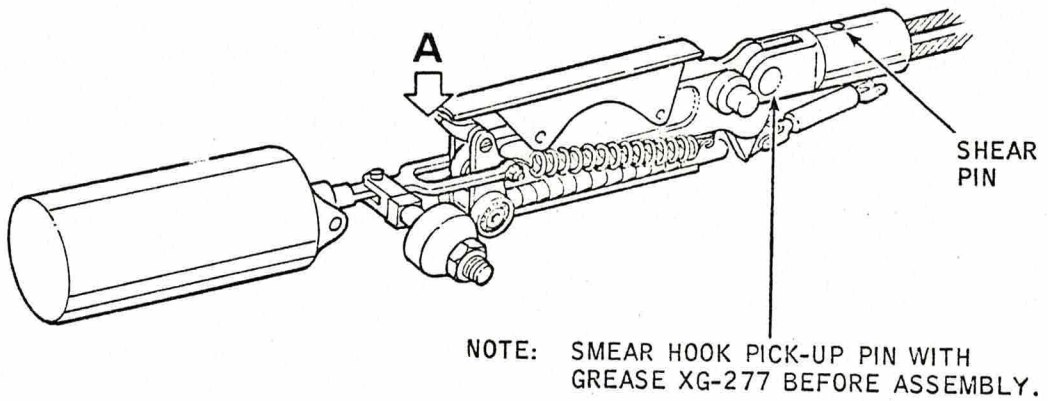
5.1 Jettison mechanism. Test (SP 131(AF)).

6. COMPLETION

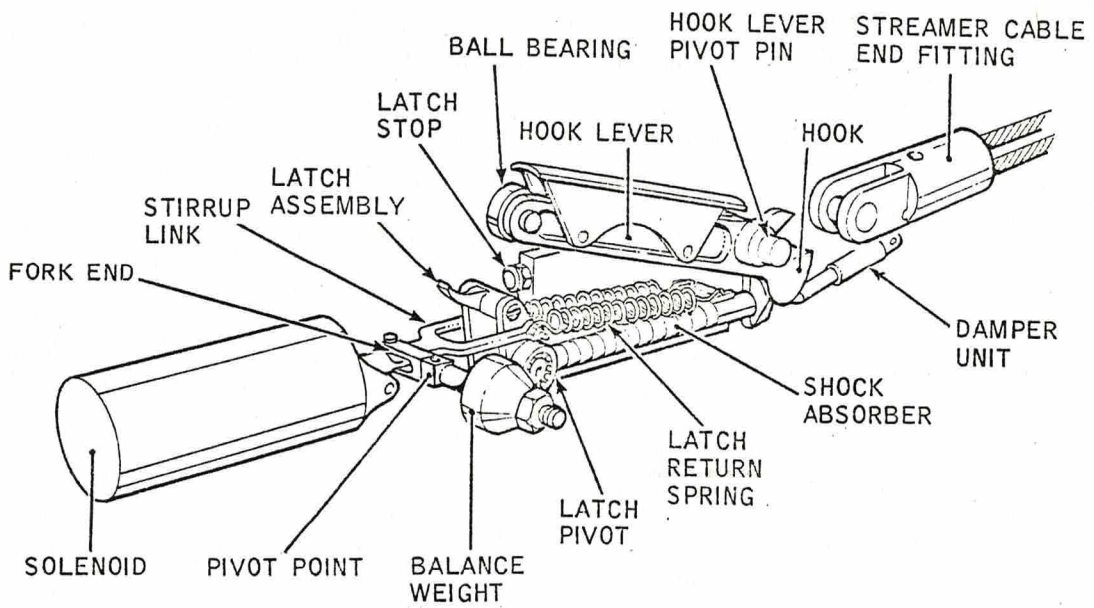
6.1 Access panel 91. (i) Refit.
(ii) Ensure latch assembly extension (pointer) is aligned with guide lines marked on jettison mechanism cover.

Continued

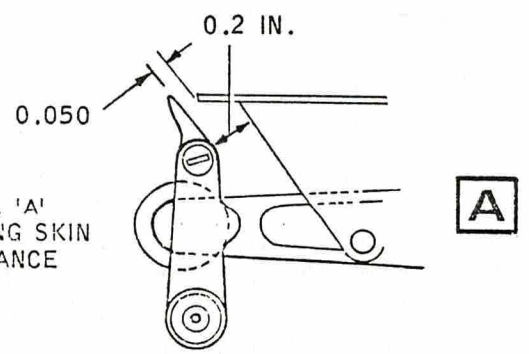
Safety and Servicing Notes are to be complied with throughout the work detailed on this card.



LOCKED



UNLOCKED



BRAKE PARACHUTE JETTISONING MECHANISM

FIGURE 1