

CHAP 1 AIRFRAME SP 54 AL 4 SHEET 1 OF 6	SERVICING PROCEDURE F53 T55	BAC F53 & T55 (SA) 5A3A Section 1 2nd Edition
600 Gallon Ventral Pack Centre Tank - Removal - Aircraft Fitted With Hatch Tank Gun Pack		AFSC 43151
Safety and Servicing Notes are to be complied with throughout the work detailed on this card.		TIME EST
SPECIAL TOOLS AND EQUIPMENT		ASSOCIATED PROCEDURES
C-spanner (26DK/95909). C-spanner (26DK/95910). C-spanner (quantity 2) (26DK/95911). Handling trolley (26DK/95866). Allen key (1C/9106070). Torque wrench (1C/1202795). Bi-hex socket (1L/9106392). Blanking Caps (quantity 2) (26DK/95870). Blanking Caps (quantity 2) (26DK/95871). Blanking Caps (quantity 2) (26DK/95863). Retaining Nut (quantity 2) (26DK/95869).		SP 429 (AF)
<u>43151</u>		
<p>1. PREPARATION</p> <p>NOTE: Ensure ventral pack defuelled.</p> <p>1.1 Aircraft. (i) Raise on jacks. (ii) Trestle.</p> <p>1.2 Gun bay doors (Left and right). Remove.</p> <p>1.3 Gas shield (Aft end of gun bays). Remove.</p> <p>1.4 Access doors (Hatch to centre tank, left and right) (i) Remove door access (Part No. EF5-56-1473), (lower centre fuel connexion). (ii) Panel assembly (Part No. EF5-56-2507) (left and right upper fuel connexion).</p> <p>1.5 Fairing (Between centre and rear tank). Remove.</p> <p>1.6 Hydraulic drains. Remove.</p> <p>1.7 Access panel (Rear tank left side). Remove.</p> <p>2. FUEL AND AIR CONNEXIONS</p> <p>2.1 Centre lower connexion. (i) Fit C-spanner (26DK/95909).</p>		
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2. FUEL AND AIR CONNEXIONS (Contd)

2.1 Centre lower connexion (contd) (ii) Rotate in direction indicated to SHUT position.

2.2 King clamps. Remove.

2.3 Bellows assembly. Remove complete with O-ring seals.

2.4 Hatch tank:

- (a) O-ring seal. Fit.
- (b) Blanking cap (26DK/95871). Fit.
- (c) King clamp. Fit.

2.5 Centre tank:

- (a) O-ring seal. Fit.
- (b) Blanking cap (26DK/95871). Fit.
- (c) King clamp. Fit.

2.6 Upper right connexion. (i) Fit C-spanner (26DK/95910). (ii) Rotate in direction indicated to SHUT position.

2.7 King clamps. Remove.

2.8 Bellows assembly. Remove complete with O-ring seals.

2.9 Hatch tank:

- (a) O-ring seal. Fit.
- (b) Blanking cap (26DK/95863). Fit.
- (c) King clamp. Fit.

2.10 Centre tank:

- (a) Detachable link assembly. (i) Remove locking wire. (ii) Slacken retaining nut using C-spanner (26DK/95911) whilst reacting at flange of turning link with C-spanner (26DK/95911). (iii) Remove.
- (b) O-ring seal. Fit.

Continued

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2. FUEL AND AIR CONNEXIONS (Contd)

2.10 Centre tank: (contd)

(c) Blanking cap Fit.
(26DK/95870).

(d) Retaining nut Fit, and tighten using C-spanner
(26DK/95869). (26DK/95911) whilst reacting on
blanking cap with allen key
(1C/9106070).

2.11 Upper left connexion.

(i) Fit C-spanner (26DK/95910).
(ii) Rotate in direction indicated
to SHUT position.

2.12 King clamps.

Remove.

2.13 Bellows assembly.

Remove complete with O-ring seal.

2.14 Hatch tank:

(a) O-ring seal. Fit.
(b) Blanking cap Fit.
(26DK/95863).
(c) King clamp. Fit.

2.15 Centre tank:

(a) Detachable turning link assembly. (i) Remove wire locking.
(ii) Slacken retaining nut using C-spanner (26DK/95911)
reacting at flange of turning link with C-spanner
(26DK/95911).
(iii) Remove

(b) O-ring seal. Fit.

(c) Blanking cap Fit.
(26DK/96870).

(d) Retaining nut Fit and tighten using C-spanner
(26DK/95911) whilst reacting on
blanking cap with allen key
(1C/9106070).

3. FUEL CONNEXIONS (CENTRE TO REAR TANK)

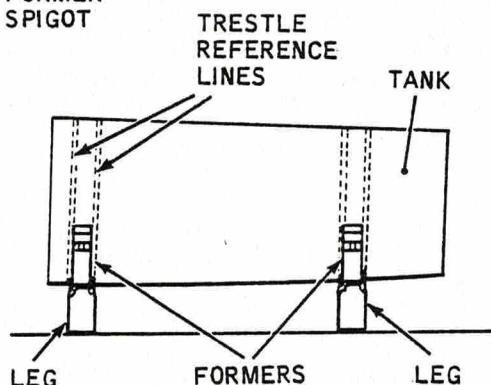
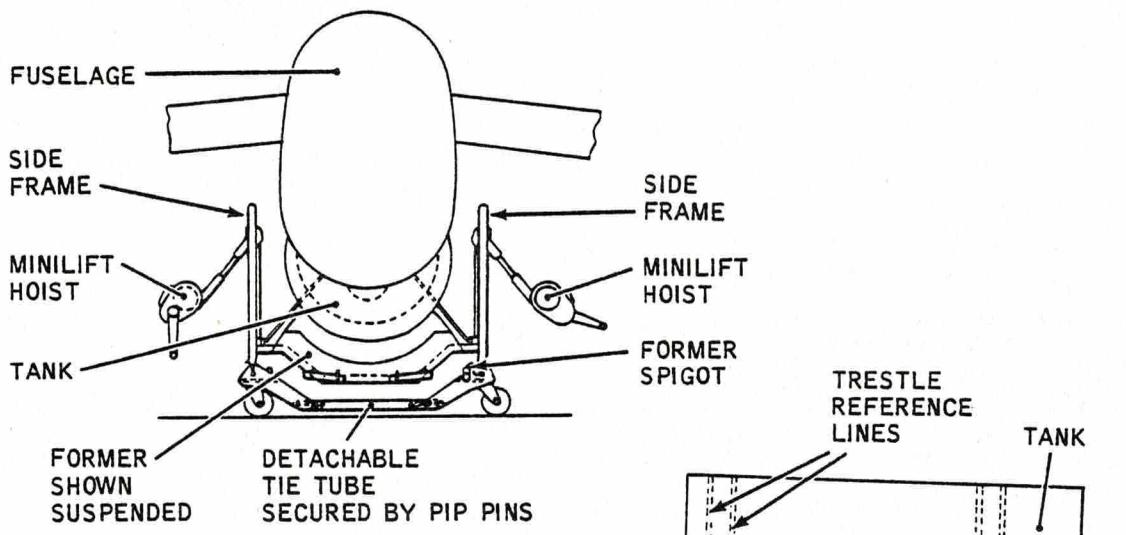
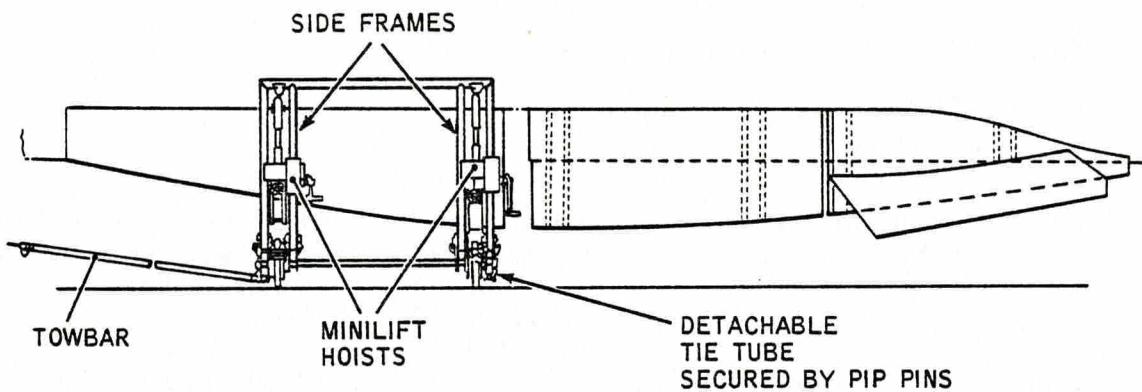
3.1 Special clip. Remove.

3.2 Pipe joint. Slide into centre tank portion.

3.3 Pipe ends. Blank off.

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TANK FORMERS
FORWARD TANK

FORWARD POSITION - FORMER EF 3-88-2251

REAR POSITION - FORMER EF3-88-2249

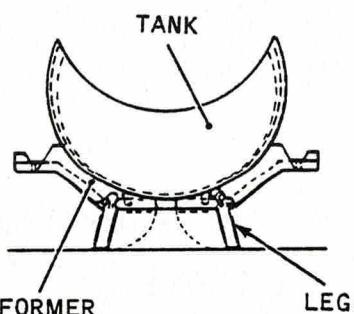
CENTRE TANK

BOTH POSITIONS - FORMER EF3-88-2249

AFT TANK

FORWARD POSITION - FORMER EF3-88-2253

REAR POSITION - FORMER EF3-88-2255



VENTRAL PACK - REMOVAL AND ASSEMBLY
FIGURE 1

Continued

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SERVICING PROCEDURE

F53

T55

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4. AIR CONNEXION

4.1 Pipe connector Remove.
(Part No. FRS/650/H/7).

4.2 Rubber sleeve. Remove.

4.3 Pipe ends. Blank off.

5. CENTRE TANK A.C. PUMP PACK

5.1 Forward fairing. Remove.

5.2 Forward centre fairing. Remove.

5.3 Aft centre fairing. Remove.

5.4 Aft fairing. Remove.

5.5 Mk.6 connector. (i) Disconnect.
(ii) Allow to hang free from rear tank.

6. CENTRE TANK (FORWARD BULKHEAD)

6.1 Cables (Contents gauging). (i) Disconnect.
(ii) Stow in clip on hatch tank.

7. CENTRE TANK (REAR BULKHEAD)

7.1 Cables (Contents gauging). (i) Disconnect.
(ii) Allow to hang free from rear tank.

8. REMOVAL

8.1 Handling trolley (26DK/95866) (See Fig.1). (i) Position under tank.
(ii) Raise to support.

8.2 Locking tube assemblies with springs and locking plates, (Forward and rear). (i) Slacken using torque wrench (1C/1202795) and bi-hex socket (1L/9106392).
(ii) Remove.

8.3 Centre tank. (i) Ensure free.
(ii) Lower onto handling trolley.

8.4 Handling trolley. Remove from vicinity of aircraft.

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SERVICING PROCEDURE INSPECTION STAGES DO NOT EXCLUDE ADDITIONAL INSPECTION STAGES
INCORPORATED AS NECESSARY IN MAINTENANCE CERTIFICATION DOCUMENTS

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9. REAR FUSELAGE

9.1 Longitudinal drain channel Examine (SP 429 (AF)).
(Aft of FR 44).

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