

CHAP 1 AIRFRAME SP 42 AL 4 SHEET 1 OF 5	SERVICING PROCEDURE F53 T55	BAC F53 & T55 (SA) 5A3A Section 1 2nd Edition
600 Gallon Ventral Pack Centre Tank - Removal Aircraft With Long Range Hatch Tank	AFSC 43151	TIME EST
Safety and Servicing Notes are to be complied with throughout the work detailed on this card.		
SPECIAL TOOLS AND EQUIPMENT		ASSOCIATED PROCEDURES
C-Spanner (26DK/95909). C-Spanner (26DK/95910). C-Spanner (quantity 2) (26DK/95911). Handling trolley (26DK/95866) 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 nuts (quantity 2) (26DK/95869). Allen key (1C/9106070).		SP 429 (AF)
<u>43151</u>		
<p>1. PREPARATION</p> <p>NOTE: Ensure Ventral Pack is Defuelled.</p> <p>1.1 Aircraft. (i) Raise on jacks. (ii) Trestle.</p> <p>1.2 Access doors (Hatch to centre tanks, left & right). (i) Unfasten toggle fasteners at tank centre line. (ii) Swivel up and unhook. (iii) Remove.</p> <p>1.3 Fairing (Between centre and rear tank). Remove.</p> <p>1.4 Hydraulic drains. Remove.</p> <p>1.5 Access panel (Rear tank left side). Remove.</p> <p>2. FUEL AND AIR CONNEXIONS</p> <p>2.1 Centre lower connexions. (i) Fit C-Spanner (26DK/95909). (ii) Rotate in direction indicated to SHUT position.</p> <p>2.2 King clamps. Remove.</p> <p>2.3 Bellows assembly. Remove complete with O-ring seals.</p>		
		Continued Overleaf

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2. FUEL AND AIR CONNEXIONS (Contd)

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 turning link assembly.
 - (i) Remove wirelocking.
 - (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 (26DK/95870). Fit.
- d) Retaining nut (26DK/95869). Fit and tighten using C-Spanner (26DK/95911) whilst reacting on blanking cap with allen key (1C/9106070).

Continued

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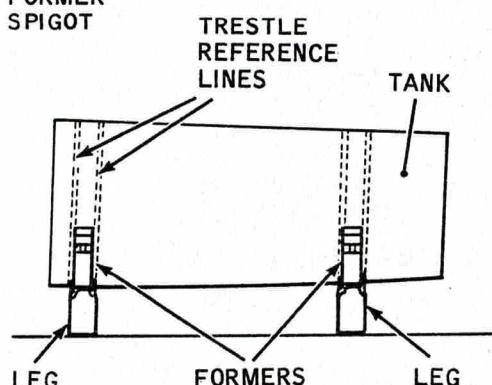
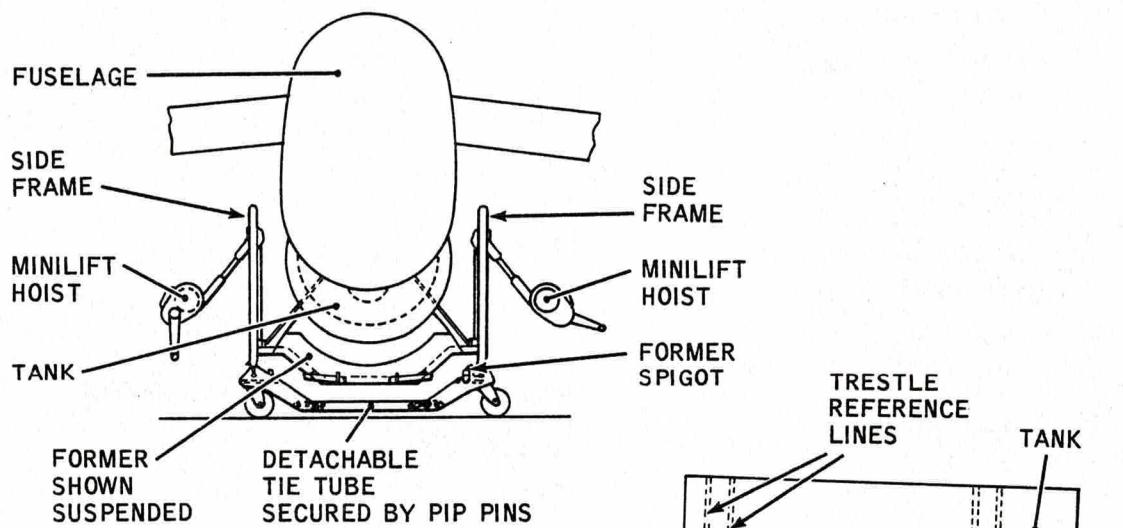
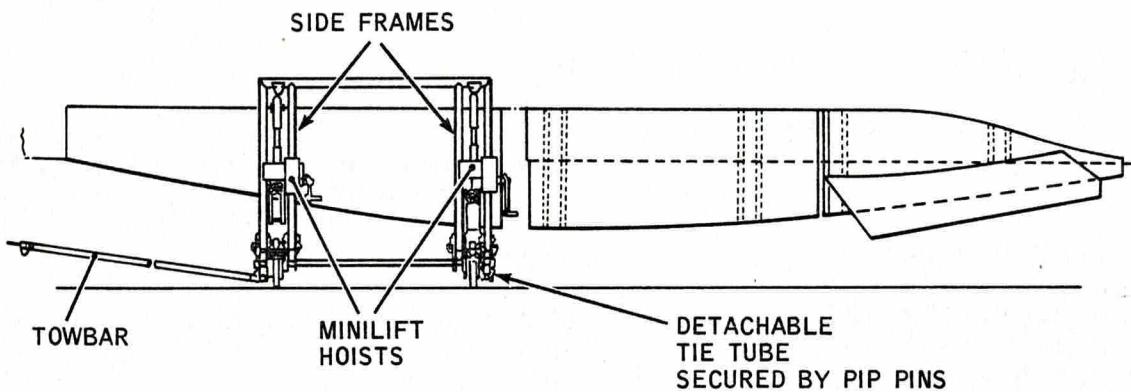
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2. FUEL AND AIR CONNEXIONS (Contd)

- 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 seals.
- 2.14 Hatch Tank:
- a) O-ring seal. Fit.
 - b) Blanking cap (26DK/95863). Fit.
 - c) King clamp. Fit.
- 2.15 Centre tank:
- a) Detachable turning link assembly. (i) Remove wirelocking.
(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 (26DK/95870). Fit.
 - d) Retaining Nut (26DK/95869). 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, IF FITTED)
- 3.1 Special clip. Remove.
- 3.2 Pipe Joint. Slide into centre tank portion.
- 3.3 Pipe ends. Blank off.
4. AIR CONNEXION
- 4.1 Pipe connector (Part No. FRS/650/H/7). Remove.
- 4.2 Rubber sleeve. Remove.

Continued Overleaf

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TANK FORMERS

FORWARD TANK

FORWARD POSITION - FORMER EF 3-88-2251

REAR POSITION - FORMER EF3-88-2249

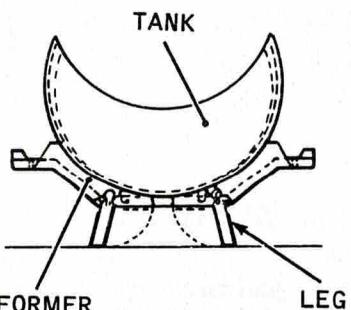
CENTRE TANK

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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4.	AIR CONNEXION (Contd)			
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.		
9.	REAR FUSELAGE			
9.1	Longitudinal drain channel (Aft of Frame 44).	Examine (SP 429 (AF)).		

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