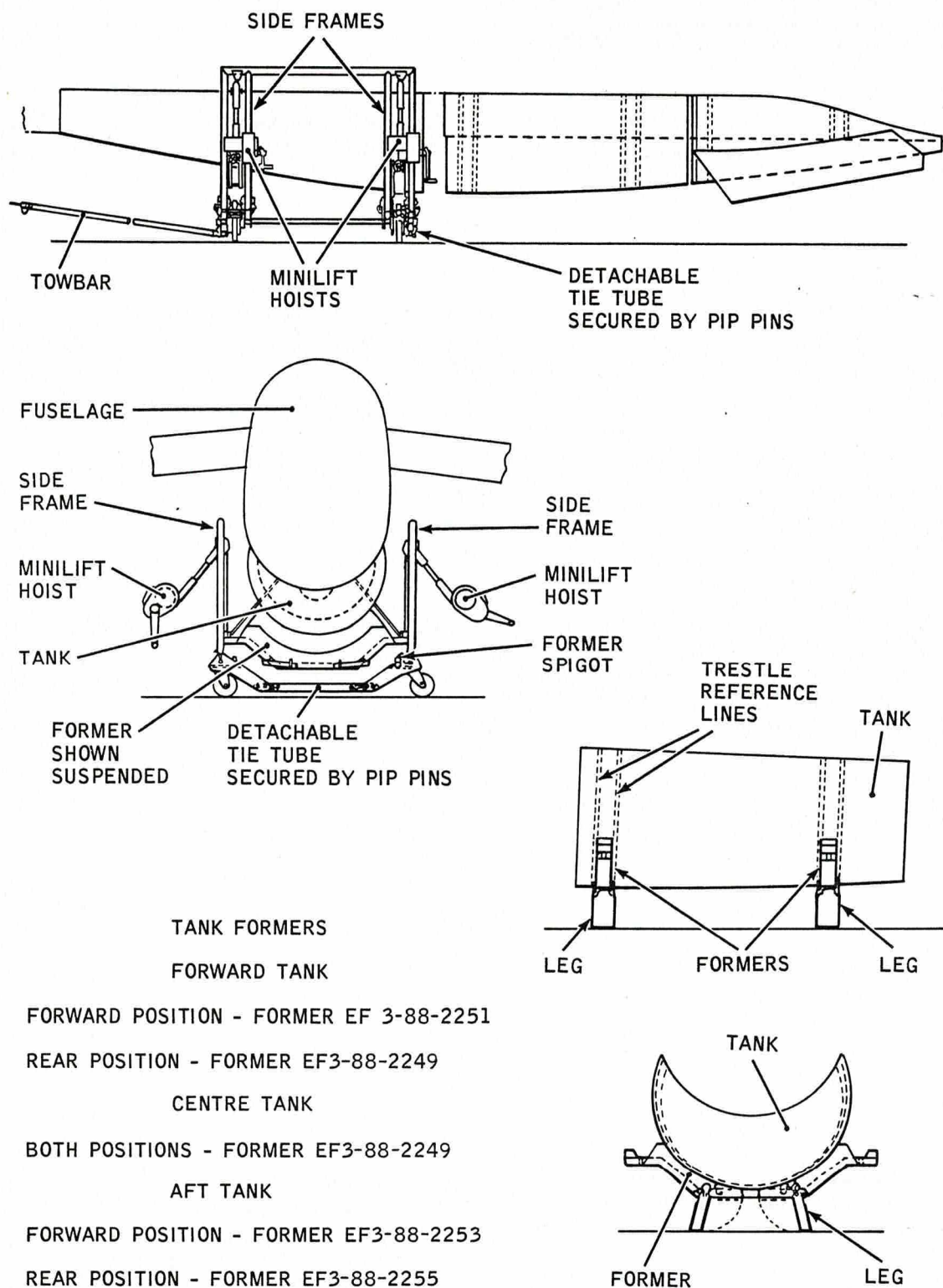


CHAP 1 AIRFRAME	SERVICING PROCEDURE	BAC F53 & T55 (SA)	
SP 43 AL 8	F53 T55	5A3A Section 1	
SHEET 1 OF 8		2nd Edition	
600 Gallon Ventral Pack Centre Tank - Fitting - Aircraft Fitted With Long Range Hatch Tank		AFSC	TIME EST
		43151 42470	
Safety and Servicing Notes are to be complied with throughout the work detailed on this card.		42350 43270	
		43171	
SPECIAL TOOLS AND EQUIPMENT			ASSOCIATED PROCEDURES
C-Spanner (26DK/95909). Allen key (1C/9106070).			SP129(EL)
C-Spanner (26DK/95910). Bi-hex socket (1L/9106392).			118(P)
C-Spanner - (qty 2) (26DK/95911). Torque wrench (1C/1202795).			119(P)
Handling trolley (26DK/95868).			120(P)
<u>4 2 3 5 0</u>			
1. PREPARATION.			
1.1 Aircraft. Check electrical supplies prior to ventral pack fitting (SP 129 (EL)).			
<u>4 3 1 7 1</u> (INSPECTOR)			
2. INSPECTION STAGE			
2.1 Centre tank. Inspect for loose articles prior to fit.			
<u>4 3 1 5 1</u>			
3. PREPARATION.			
NOTE: Centre to rear tank sliding tube - ensure new O-ring seals fitted and slide into centre tank prior to raising.			
3.1 Handling trolley Position under fuselage. (26DK/95866), (See Fig.1).			
3.2 Aft pick-up cone Ensure free to float fore and fitting. aft.			
3.3 Centre tank. Offer up to pick-up points.			
3.4 Forward pick-up Ensure engaged fuselage tank spigot. fittings.			
3.5 Aft pick-up cone Ensure engaged in tank. fitting.			
3.6 Locking tube (i) Fit, ensuring minimum assemblies with of 6.5 complete turns spring and locking fingers. plates (Forward and (ii) Torque-tighten to 450 rear). PLUS 50 MINUS 0 lbf/in. using torque wrench (1C/1202795) and bi-hex socket (1L/9106392).			
			Continued Overleaf
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VENTRAL PACK - REMOVAL AND ASSEMBLY

FIGURE 1

Continued

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### 3. PREPARATION (Contd)

- 3.7 Trolley handling.
- (i) Lower.
  - (ii) Remove from vicinity of aircraft.

### 4. FUEL AND AIR CONNEXIONS

4.1 Hatch tank connexions. Ensure in SHUT position.

4.2 Centre tank connexions. Ensure in SHUT position.

4.3 Centre lower connexion, hatch tank:

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

4.4 Centre lower connexion, centre tank:

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

4.5 Bellows assembly.

- (i) Examine for signs of the following:
  - (a) Insecure (unsafe) attachment.
  - (b) Cracks and fractures.
  - (c) Corrosion, contamination and deterioration.
  - (d) Distortion.
  - (e) Loose and missing rivets.
  - (f) Chafing, fraying, scoring and wear.

Continued Overleaf

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4. FUEL AND AIR CONNEXIONS (Contd)

4.5 Bellows assembly. (Contd)

- (g) Faulty and broken locking devices.
- (h) Loose clips, loose packing, obstruction.
- (i) External damage.
- (j) Overheating and leaking of fluids. There may be discolouration.

- (ii) Position complete with new O-ring seals, ensuring compressed as little as possible.

4.6 King clamps.

Fit and lock toggle linkage positioned at bottom centre.

4.7 Connexion.

- (i) Fit C-spanner (26DK/95909).
- (ii) Rotate in direction indicated to the OPEN position.

4.8 Upper right connexion:

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

4.9 Centre tank blanking cap (26DK/95870).

Fit allen key (1C/9106070).

4.10 Retaining nut (26DK/95869).

Slacken using C-spanner (26DK/95911) whilst reacting on blanking cap with allen key (1C/9106070).

4.11 Blanking cap (26DK/95870).

Remove.

4.12 Detachable turning link assembly.

- (i) Locate in dogs.
- (ii) Hand-tighten retaining nut.
- (iii) Tighten using C-spanner (26DK/95911) whilst reacting on turning link with C-spanner (26DK/95911).
- (iv) Wirelock.

Continued

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#### 4. FUEL AND AIR CONNEXIONS (Contd)

##### 4.13 Bellows assembly.

- (i) Examine for signs of the following:
  - (a) Insecure (unsafe) attachment.
  - (b) Cracks and fractures.
  - (c) Corrosion, contamination and deterioration.
  - (d) Distortion.
  - (e) Loose and missing rivets.
  - (f) Chafing, fraying, scoring and wear.
  - (g) Faulty and broken locking devices.
  - (h) Loose clips, loose packing, obstruction of pipelines, leaks from pipelines.
  - (i) External damage.
  - (j) Overheating and leaking of fluids. There may be discolouration.
- (ii) Position, complete with new O-ring seals ensuring compressed as little as possible.

##### 4.14 King clamps.

Fit and lock, toggle linkage on outboard side.

##### 4.15 Connexion.

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

#### 5. FUEL AND AIR CONNEXIONS

##### 5.1 Upper left connexion:

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

Continued Overleaf

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5. FUEL AND AIR CONNEXIONS (Contd)

5.2 Centre tank blanking cap (26DK/95870).

Fit allen key (1C/9106070).

5.3 Retaining nut (26DK/95869).

Slacken using C-spanner (26DK/95911) whilst reacting on blanking cap with allen key (1C/9106070).

5.4 Blanking cap (26DK/95870).

Remove.

5.5 Detachable turning link assembly.

- (i) Locate in dogs.
- (ii) Hand-tighten retaining nut.
- (iii) Tighten using C-spanner (26DK/95911) whilst reacting on turning link with C-spanner (26DK/95911).
- (iv) Wirelock.

5.6 Bellows assembly.

- (i) Examine for signs of the following:
  - (a) Insecure (unsafe) attachment.
  - (b) Cracks and fractures.
  - (c) Corrosion, contamination or deterioration.
  - (d) Distortion.
  - (e) Loose and missing rivets.
  - (f) Chafing, fraying, scoring and wear.
  - (g) Faulty and broken locking devices.
  - (h) Loose clips, loose packing, obstruction.
  - (i) External damage.
  - (j) Overheating and leaking of fluids. There may be discolouration.
- (ii) Position, complete with new O-ring seals ensuring compressed as little as possible.

Continued

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5. FUEL AND AIR CONNEXIONS (Contd)

- 5.7 King clamps. Fit and lock, toggle linkage on outboard side.
- 5.8 Connexion. (i) Fit C-spanner (26DK/95910).  
(ii) Rotate in direction indicated to the OPEN position.

6. FUEL CONNEXION (CENTRE TO REAR TANK).

- 6.1 Pipe joints. (i) Remove blanks.  
(ii) Slide into position in rear tank.
- 6.2 Special clip. Fit.

7. AIR CONNEXION

- 7.1 Pipe ends. Remove blanks.
- 7.2 Rubber sleeve. Position.
- 7.3 Pipe connector (Part No.FRS/650/H/7). Fit and lock.

8. CENTRE TANK

- 8.1 MK 6 connectors. Reconnect.
- 8.2 Aft fairing. Refit.
- 8.3 Aft centre fairing. Refit.
- 8.4 Forward centre fairing. Refit.
- 8.5 Forward fairing. Refit.

9. CENTRE TANK (FORWARD BULKHEAD)

- 9.1 Cable (Contents gauging). (i) Remove from stowage on hatch tank.  
(ii) Reconnect.

Continued Overleaf

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# 10. CENTRE TANK (REAR BULKHEAD)

10.1 Cable (Contents gauging). Reconnect.

# 11. GENERAL

11.1 Fairing, between centre and rear tanks. Fit.

11.2 Hydraulic drains. Refit.

11.3 Access panel (Rear tank left side). Refit.

11.4 Aircraft. (i) Remove trestles.  
(ii) Lower off jacks.

43171/43270

# 12. TESTING

12.1 Fuel flow test. Check (SP 118 (P)).

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# 13. TESTING

13.1 Fuel flow test. Check (SP 119 (P)).

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# 14. TESTING

14.1 Fuel transfer. Check (SP 120 (P)).

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# 15. COMPLETION

15.1 Access doors (Hatch to centre tank, left and right). (i) Hook onto Tank.  
(ii) Swivel down.  
(iii) Secure toggle fasteners at tank centre line.

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

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