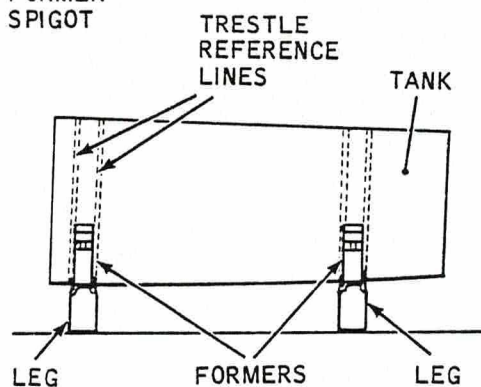
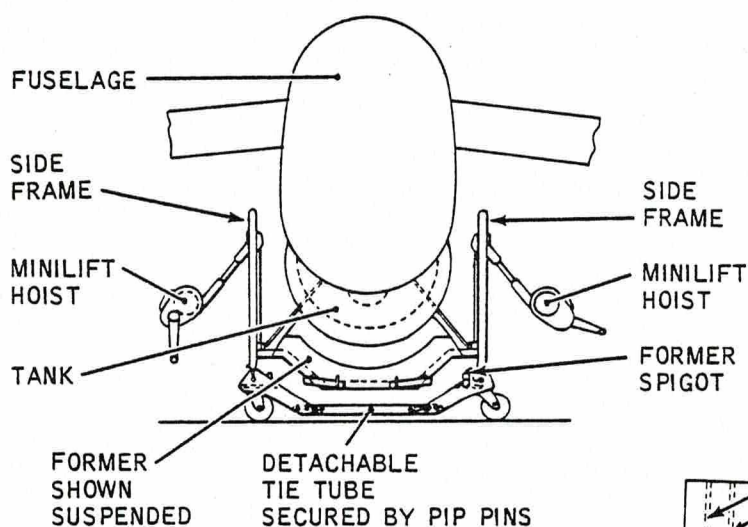
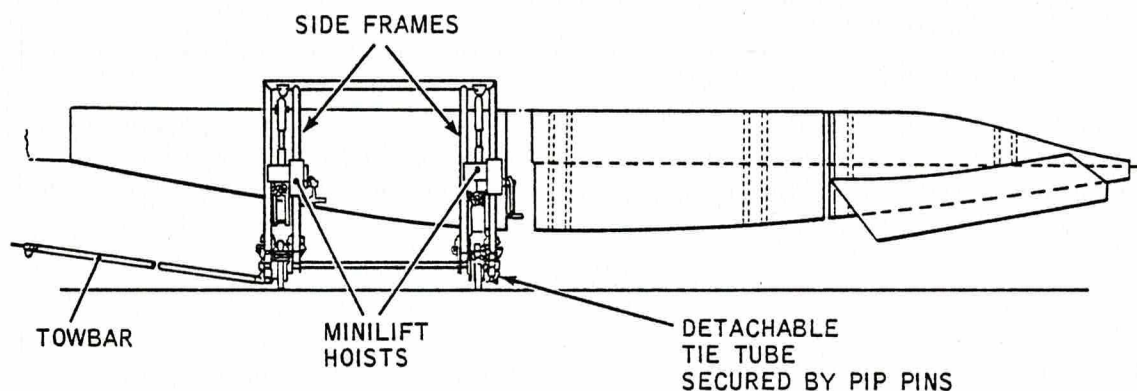


CHAP 1 AIRFRAME	SERVICING PROCEDURE	BAC F53 & T55 (SA)
SP 58 AL 8	F53 T55	5A3A Section 1
SHEET 1 OF 8		2nd Edition
600 Gallon Ventral Pack Centre Tank - Fitting - Aircraft Fitted with Hatch Tank Gun Pack		AFSC
		43151 42450
		43171 43270
		42350
Safety and Servicing Notes are to be complied with throughout the work detailed on this card.		TIME EST
SPECIAL TOOLS AND EQUIPMENT		ASSOCIATED PROCEDURES
C-spanner (26DK/95909). Torque wrench (1C/1202795).		SP129 (EL)
C-spanner (26DK/95910). Bi-hex socket (1L/9106392).		118 (P)
C-spanner (Qty 2) (26DK/95911). Handling trolley (26DK95866).		119 (P)
Allen key (1C/9106070).		120 (P)
42350		
1. PREPARATION		
1.1 Aircraft. Check electrical supplies prior to ventral pack fitting (SP 129 (EL)).		
43171 (INSPECTOR)		
2. INSPECTION STAGE		
2.1 Centre tank. Inspect for loose articles prior to fit.		
43151		
3. PREPARATION		
NOTE: Centre to rear tank sliding tube - ensure new O-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 fitting. and aft.		
3.3 Centre tank. Offer up to pick-up points.		
3.4 Forward pick-up Ensure engaged in 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 using fingers. plates (forward and (ii) Torque-tighten to 450 rear), (See Fig.1). PLUS 50 MINUS 0 lbf in. using torque wrench (1C/1202795) and Bi-hex socket (1L/9106392).		
		Continued Overleaf
SERVICING PROCEDURE INSPECTION STAGES DO NOT EXCLUDE ADDITIONAL INSPECTION STAGES INCORPORATED AS NECESSARY IN MAINTENANCE CERTIFICATION DOCUMENTS		

CHAP 1 AIRFRAME	SERVICING PROCEDURE	BAC F53 & T55 (SA)
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Safety and Servicing Notes are to be complied with throughout the work detailed on this card.



TANK FORMERS
FORWARD TANK

FORWARD POSITION - FORMER EF 3-88-2251

REAR POSITION - FORMER EF3-88-2249

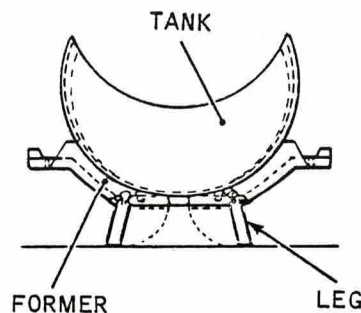
CENTRE TANK

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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SP 58 AL 8	F53 T55	5A3A Section 1
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Safety and Servicing Notes are to be complied with throughout the work detailed on this card.

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3. PREPARATION (contd)

- 3.7 Handling trolley. (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.
(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 Overleaf

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

CHAP	1	AIRFRAME	SERVICING PROCEDURE	BAC F53 & T55 (SA)
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4. FUEL AND AIR CONNEXIONS (contd)

- | | | |
|------|--|--|
| 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) Lock with wire. |
| 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. |

Continued

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

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4. FUEL AND AIR CONNEXIONS (contd)

4.13 Bellows assembly (contd).

- (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.

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.

Continued Overleaf

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CHAP 1 AIRFRAME	SERVICING PROCEDURE	BAC F53 & T55 (SA)
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5. FUEL AND AIR CONNEXION (contd)

- 5.6 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.
- 5.7 King clamps. Fit, with 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 joint.
- (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.

Continued

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7. AIR CONNEXION (contd)

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.
(ii) Reconnect.

10. CENTRE TANK (REAR BULKHEAD)

10.1 Cable (Contents gauging). Reconnect.

11. GENERAL

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

43171/43270

12. TESTING

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

42450

13. TESTING

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

43171/43270

14. TESTING.

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

Continued Overleaf

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15. COMPLETION

- | | |
|--|--|
| 15.1 Access doors (Hatch to centre tank) (Left and right). | (i) Refit door access (Part No. EF5-56-1473), (Lower centre fuel connexion).
(ii) Panel assembly (Part No. EF5-56-2507), (Left and Right) upper fuel air connexion - Refit. |
| 15.2 Gas shield (Aft end of gun bays). | Refit. |
| 15.3 Gun bay doors (Left and right). | Refit. |
| 15.4 Fairing (Between centre and rear tanks). | Refit. |
| 15.5 Hydraulic drains. | Refit. |
| 15.6 Access panel (Rear tank left side). | Refit. |

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

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