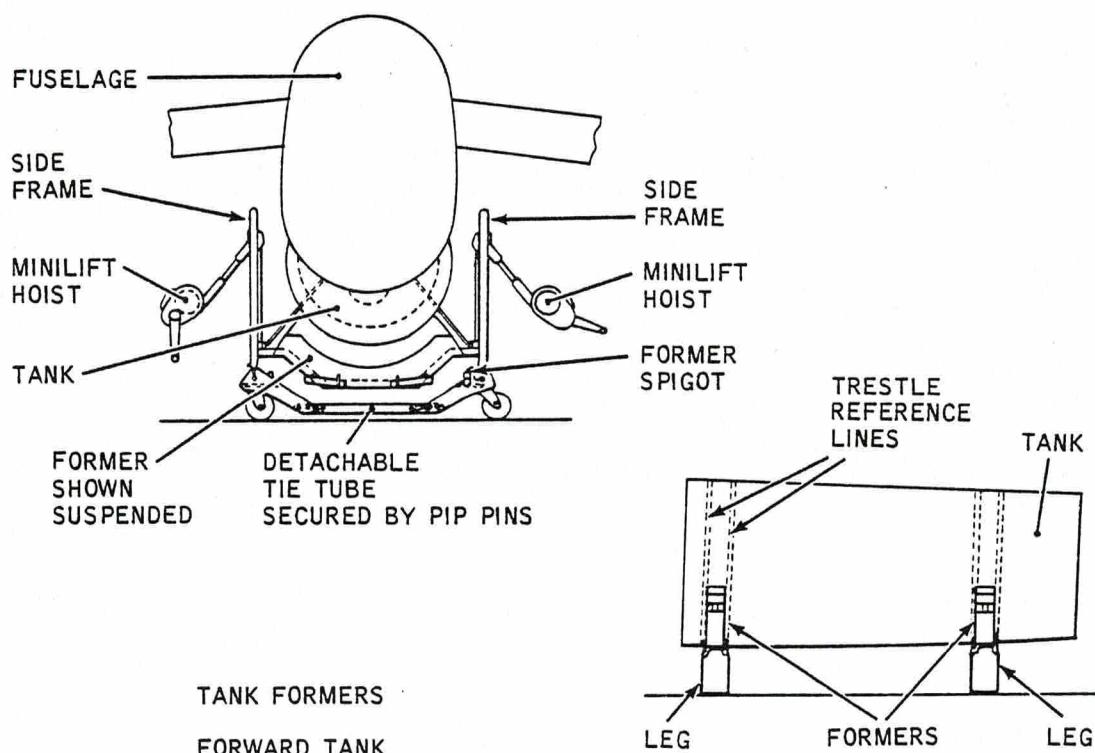
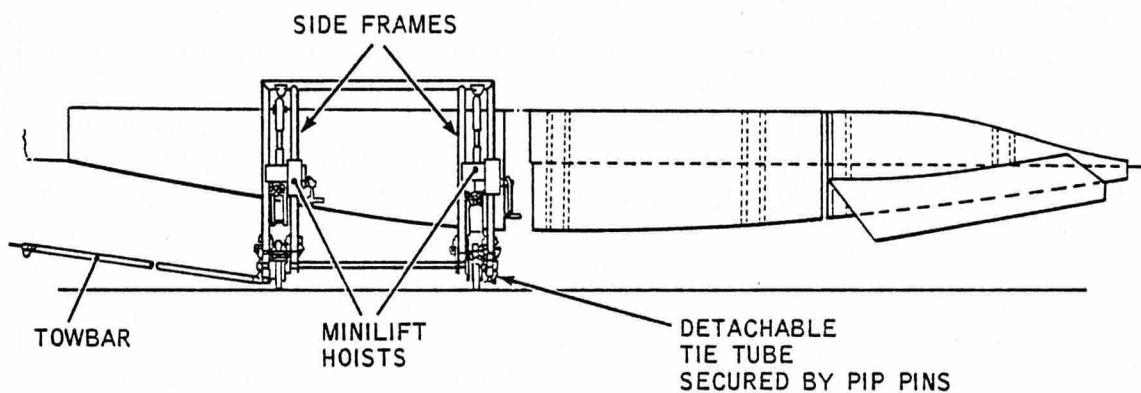


CHAP 1 AIRFRAME SP 58 AL 8 SHEET 1 OF 8	SERVICING PROCEDURE F53 T55	BAC F53 & T55 (SA) 5A3A Section 1 2nd Edition
600 Gallon Ventral Pack Centre Tank - Fitting - Aircraft Fitted with Hatch Tank Gun Pack		AFSC 43151 42450 43171 43270 42350
Safety and Servicing Notes are to be complied with throughout the work detailed on this card.		TIME EST
SPECIAL TOOLS AND EQUIPMENT		
C-spanner (26DK/95909). C-spanner (26DK/95910). C-spanner (Qty 2) (26DK/95911). Allen key (1C/9106070).		
Torque wrench (1C/1202795). Bi-hex socket (1L/9106392). Handling trolley (26DK95866).		
ASSOCIATED PROCEDURES SP129 (EL) 118 (P) 119 (P) 120 (P)		
<u>42350</u>		
1. PREPARATION		
1.1 Aircraft. Check electrical supplies prior to ventral pack fitting (SP 129 (EL)).		
<u>43171 (INSPECTOR)</u>		
2. INSPECTION STAGE		
2.1 Centre tank. Inspect for loose articles prior to fit.		
<u>43151</u>		
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 (26DK/95866) (See Fig.1). Position under fuselage.		
3.2 Aft pick-up cone fitting. Ensure free to float fore and aft.		
3.3 Centre tank. Offer up to pick-up points.		
3.4 Forward pick-up tank spigot. Ensure engaged in fuselage fittings.		
3.5 Aft pick-up cone fitting. Ensure engaged in tank.		
3.6 Locking tube assemblies with spring and locking plates (forward and rear), (See Fig.1). (i) Fit, ensuring minimum of 6.5 complete turns, using fingers. (ii) Torque-tighten to 450 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		

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



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

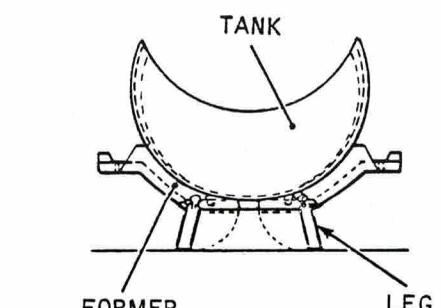


FIGURE 1

Continued

CHAP 1 AIRFRAME SP 58 AL 8 SHEET 3 OF 8	SERVICING PROCEDURE F53 T55	BAC F 53 & T 55 (SA) 5A3A Section 1 2nd Edition
Safety and Servicing Notes are to be complied with throughout the work detailed on this card.		
<u>43151</u>		
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)
SP 58 AL 8	F53 T55	5A3A Section 1
SHEET 4 OF 8		2nd Edition

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

43151

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

CHAP 1 AIRFRAME SP 58 AL 8 SHEET 5 OF 8	SERVICING PROCEDURE F53 T55	B A C F 53 & T 55 (SA) 5A3A Section 1 2nd Edition
---	--------------------------------	---

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

43151

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

CHAP 1 AIRFRAME
SP 58 AL 8
SHEET 6 OF 8

SERVICING PROCEDURE

F53

T55

BAC F53 & T55 (SA)

5A3A Section 1
2nd Edition

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

43151

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

CHAP 1 AIRFRAME
SP 58 AL 8
SHEET 7 OF 8

SERVICING PROCEDURE
F53 T55

B A C F 53 & T 55 (SA)
5A3A Section 1
2nd Edition

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

43151

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

CHAP 1 AIRFRAME	SERVICING PROCEDURE	BAC F53 & T55 (SA)
SP 58 AL 8	F53	5A3A Section 1
SHEET 8 OF 8	T55	2nd Edition

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

43151

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.

This file was downloaded
from the RTFM Library.

Link: www.scottbouch.com/rtfm

Please see site for usage terms,
and more aircraft documents.

