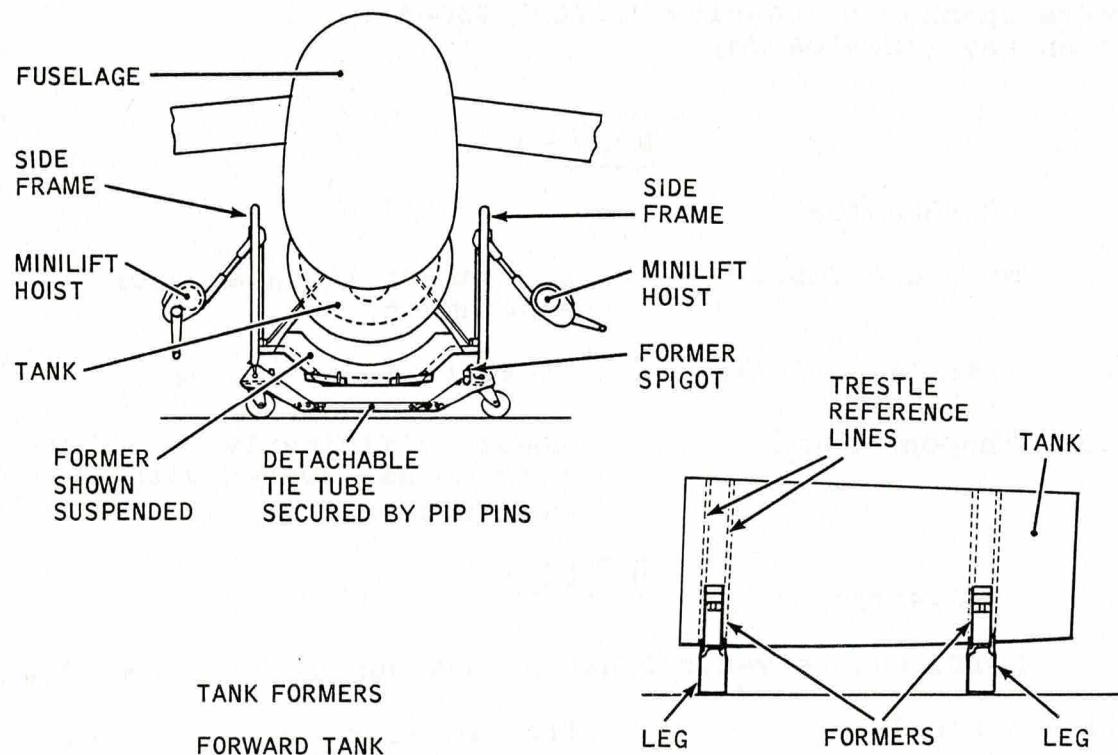
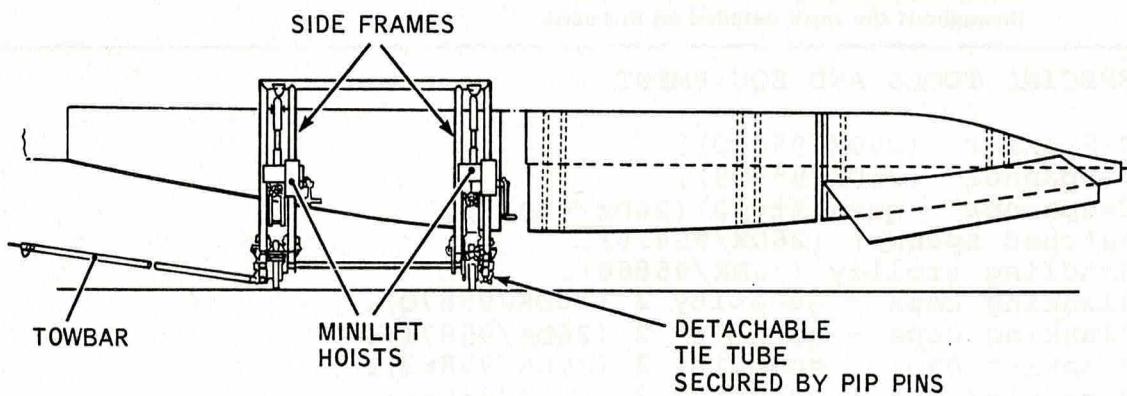


CHAP 1 AIRFRAME SP 49 AL 9 SHEET 1 OF 8	SERVICING PROCEDURE F53 T55	BAC F53 & T55 (SA) 5A3A Section 1 2nd Edition
600 Gallon Ventral Pack Engine Hatch Tank Gun Pack - Removal	AFSC 43151 46250	TIME EST
Safety and Servicing Notes are to be complied with throughout the work detailed on this card.		
SPECIAL TOOLS AND EQUIPMENT		ASSOCIATED PROCEDURES
C-Spanner (26DK/95910). C-Spanner (26DK/95909). C-Spanner - quantity 2 (26DK/95911). Ratched spanner (26DK/95425). Handling trolley (26DK/95866). Blanking caps - quantity 2 (26DK/95870). Blanking caps - quantity 2 (26DK/95871). Blanking caps - quantity 2 (26DK/95863). Retaining nut - quantity 2 (26DK/95869). Brace spanner - quantity 2 (26DK/95084). Allen key (1C/9106070).		
<u>46250</u>		
<p>1. PREPARATION</p> <p>1.1 Nose u/c door. Disconnect links at door attachment.</p> <p>1.2 Missile pack (If fitted). Inner fairings remove.</p> <p>1.3 Weapons pack. Lower sufficiently to allow tank to be lowered without obstruction.</p>		
<u>43151</u>		
<p>2. PREPARATION</p> <p>NOTE: Ensure ventral hatch tank gun pack is defuelled.</p> <p>2.1 Aircraft. Trestle at FR 59.</p> <p>2.2 Gun bay doors (Left and right). Remove.</p> <p>2.3 Gas shield (Aft end of gun bays). Remove.</p> <p>2.4 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 air connexion).</p>		
<div style="border: 1px solid black; padding: 2px; display: inline-block;">Continued Overleaf</div>		

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

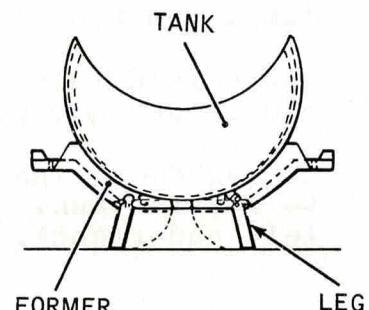
AFT TANK

FORWARD POSITION - FORMER EF3-88-2253

REAR POSITION - FORMER EF3-88-2255

VENTRAL PACK - REMOVAL AND ASSEMBLY

FIGURE 1



Continued

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

43151

3. FUEL AND AIR CONNEXIONS (SEE FIG.2)

3.1 Centre lower connexions. (i) Fit C-Spanner (26DK/95909).
(ii) Rotate in direction indicated to the SHUT position.

3.2 King clamps. Remove.

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

3.4 Hatch Tank:

(a) O-ring seal. Fit.

(b) Blanking cap (26DK/95871). Fit.

(c) King clamp. Fit.

3.5 Centre Tank:

(a) O-ring seal. Fit.

(b) Blanking cap (26DK/95871). Fit.

(c) King clamp. Fit.

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

3.7 King clamps. Remove.

3.8 Bellows assembly. Remove complete with O-ring seal.

3.9 Hatch Tank:

(a) O-ring seal. Fit.

(b) Blanking cap (26DK/95863). Fit.

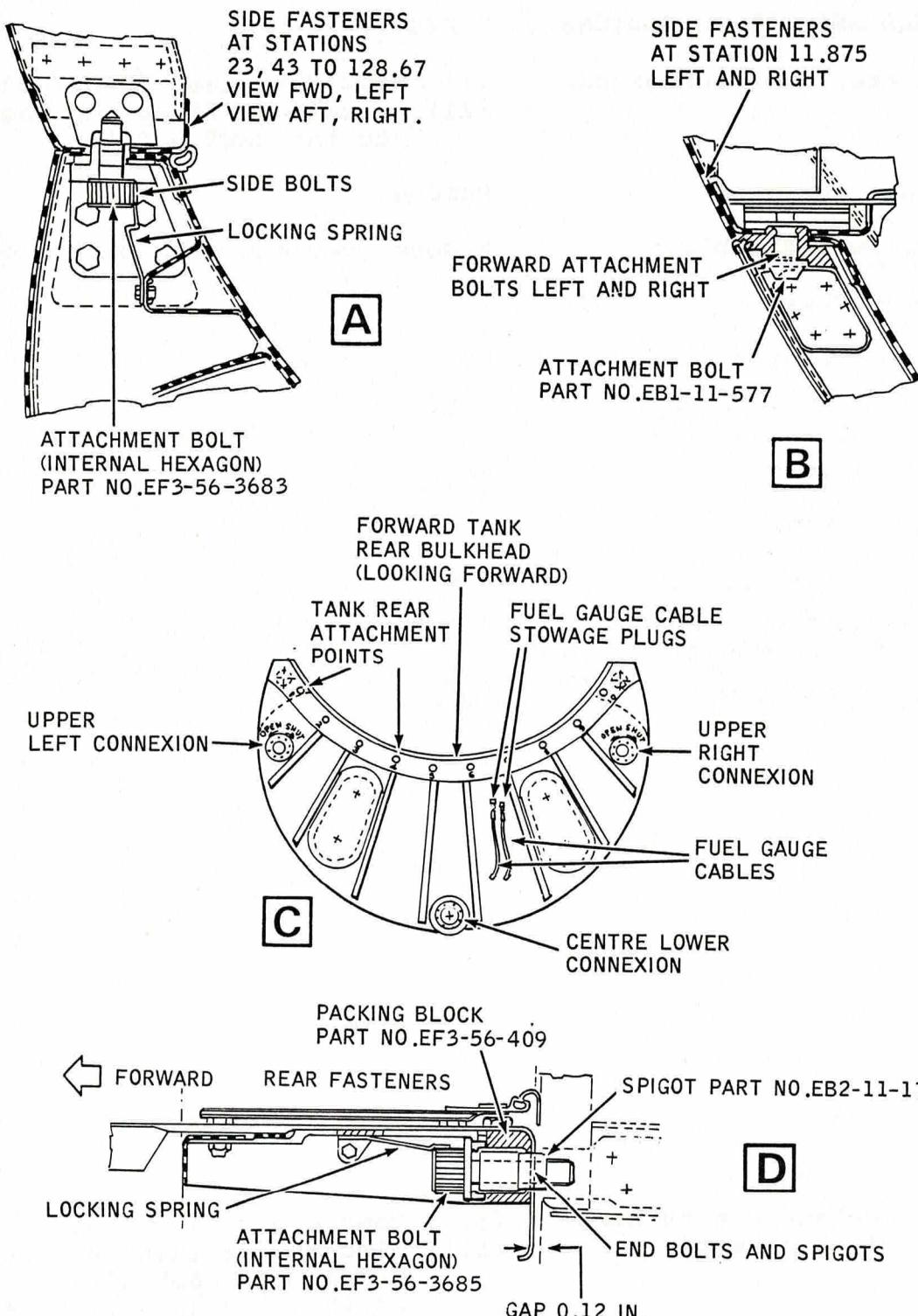
(c) King clamp. Fit.

3.10 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.

Continued Overleaf

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



FORWARD TANK ATTACHMENT

FIGURE 2

Continued

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

CHAP 1 AIRFRAME
SP 49 AL 8
SHEET 5 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

3. FUEL AND AIR CONNEXIONS (Contd)

3.10 Centre Tank: (Contd)

(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).

3.11 Upper left connexion.

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

3.12 King clamps.

Remove.

3.13 Bellows assembly.

Remove complete with O-ring seal.

3.14 Hatch Tank:

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

3.15 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 (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 Overleaf

CHAP 1	AIRFRAME	SERVICING PROCEDURE	BAC F53 & T55 (SA)
SP 49	AL 8	F53 T55	5A3A Section 1
SHEET 6	OF 8		2nd Edition

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

43151

4. CENTRE TANK

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

5. ENGINE HATCH TANK

5.1 Gun pack/aircraft break. Disconnect plug.

NOTE: During Item 5 the tank must not be allowed to hang or swing on its front attachments and force must not be applied to spigots, bolts or tank. Failure to ensure this will result in cracking of parts of the fuselage structure.

5.2 Side bolt cover plates. Remove.

5.3 Side bolts (See Fig.2). Remove side bolts at positions 5 and 9 (left and right) (Counted from front).

5.4 Handling trolley (26DK/95866). (i) Position under tank.
(ii) Raise.

5.5 Circular end-fitting (FCU drain outlet). Remove.

5.6 O-ring seal. Remove from flexible drain (26DK/1485678).

5.7 End bolts (See Fig.2). Remove, working from each side towards centre using ratchet spanner (26DK/95425).

5.8 End bolt spigots (See Fig.2). Unscrew, working from each side towards centre using ratchet spanner (26DK/95425) until each spigot head contacts stop bracket inside cavity.

5.9 Side bolts. Remove remainder using ratchet spanner (26DK/95425).

5.10 Left and right forward attachment bolts (quantity 2), (See Fig.2). Remove using brace spanner (26DK/95084).

Continued

CHAP 1 AIRFRAME	SERVICING PROCEDURE	BAC F53 & T55 (SA)
SP 49 AL 9	F53 T55	5A3A Section 1
SHEET 7 OF 8		2nd Edition

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

43151

5. ENGINE HATCH TANK (Contd)

5.11 Engine hatch tank.

- (i) Lower ensuring flexible pipe assembly and engine starter exhaust do not foul.
- (ii) Remove from vicinity of aircraft.

5.12 Circular end-fitting (FCU drain outlet).

Refit to hatch.

46250

6. GENERAL

6.1 Weapons pack.

- (i) Raise.
- (ii) Refit.

43250

7. EXAMINATION

7.1 Air inlet pipe to reheat pump assembly 26DK/10571 (O43614).

7.2 GW pack heating flexible pipe protective tape (O45401).

Reheat System No. Engine Compartment.

Examine particularly for security of circlips (2 OFF) See Fig.3.

Equipment Cooling and Heating Systems

Examine particularly for chafing.

42350

8. TEST

8.1 No.1 Engine igniter plugs.

- (i) Check for continuity using a 500 volt Megger.
- (ii) All plugs with a test reading in excess of 0.5 Megohms between the centre electrode and the outer body are to be rejected and replaced by a serviceable item.

43171

9. COMPLETION

9.1 Engine hatch tank.

Complete Serviceable label to AFTO 350 as applicable.

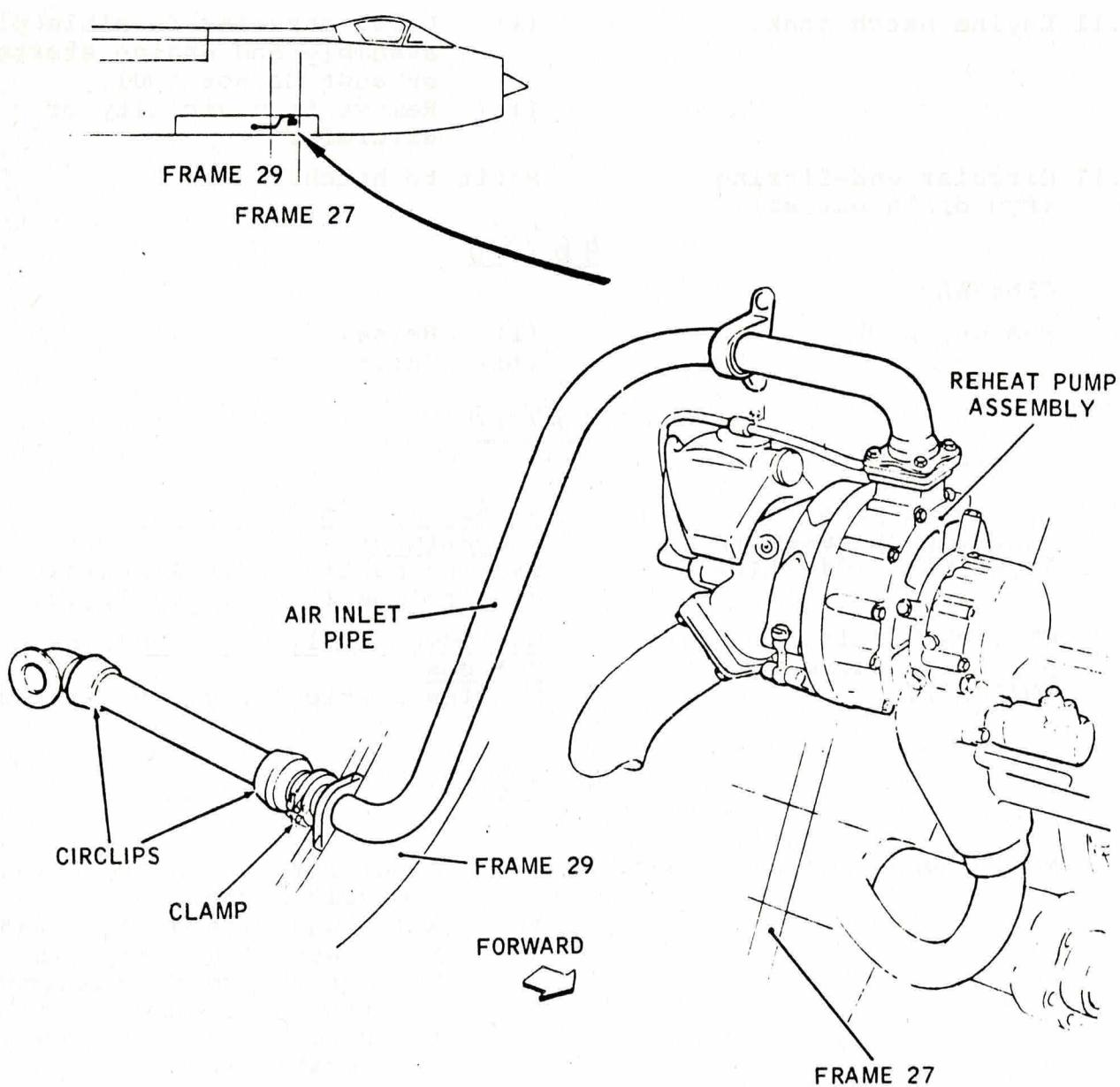
Continued Overleaf

CHAP. 1 AIRFRAME
S.P. 49 A.L. 8
SHEET 8 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.



PRINTED IN ENGLAND

AIR INLET PIPE
FIGURE 3

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

This file was downloaded
from the RTFM Library.

Link: www.scottbouch.com/rtfm

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

