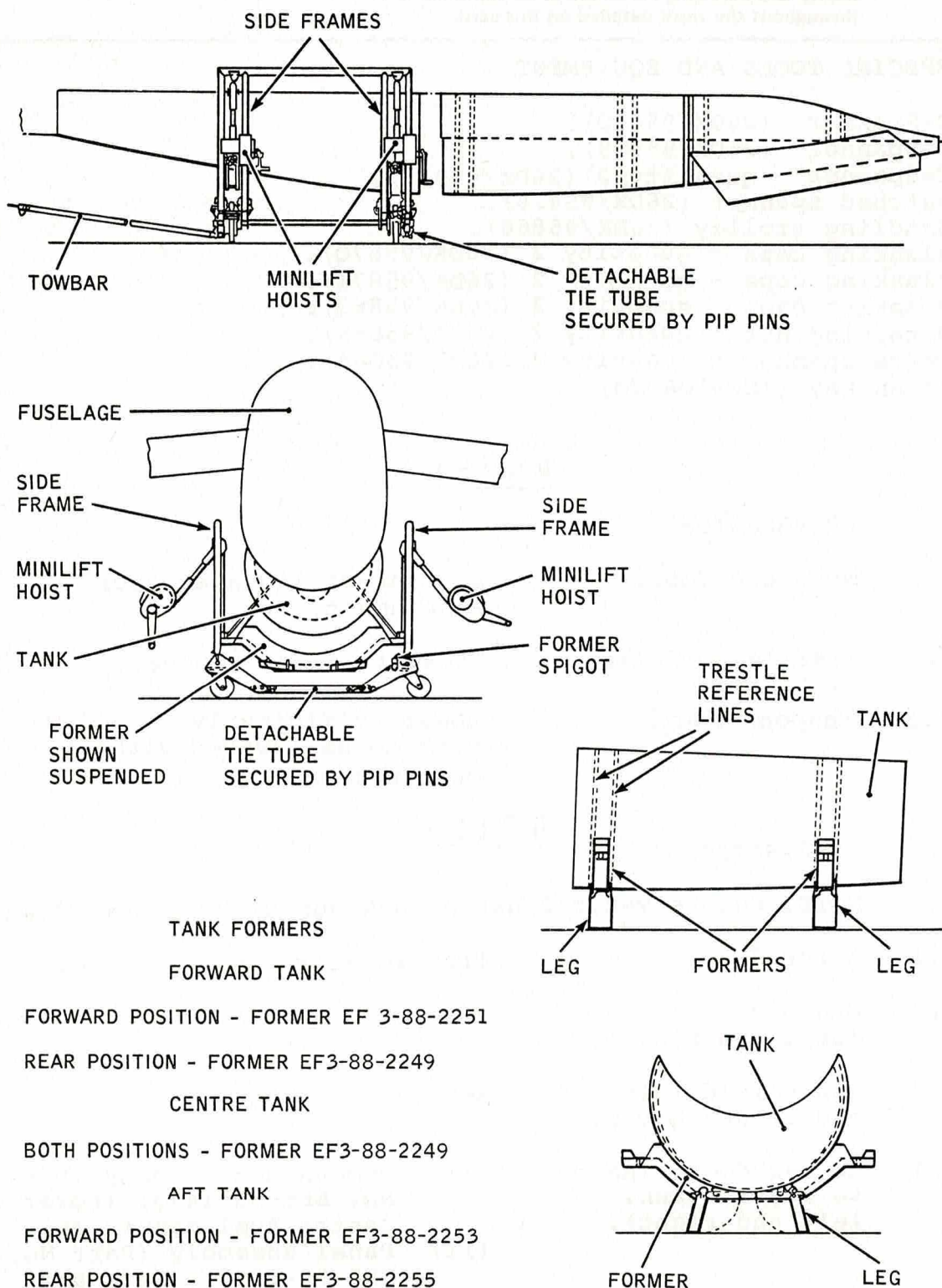


CHAP 1 AIRFRAME			SERVICING PROCEDURE		BAC F53 & T55 (SA)			
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600 Gallon Ventral Pack Engine Hatch Tank Gun Pack - Removal					AFSC		TIME	EST
					43151			
Safety and Servicing Notes are to be complied with throughout the work detailed on this card.					46250			
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).								
46250								
1. PREPARATION								
1.1 Nose u/c door. Disconnect links at door attachment.								
1.2 Missile pack (If (fitted). Inner fairings remove.								
1.3 Weapons pack. Lower sufficiently to allow tank to be lowered without obstruction.								
43151								
2. PREPARATION								
NOTE: Ensure ventral hatch tank gun pack is defuelled.								
2.1 Aircraft. Trestle at FR 59.								
2.2 Gun bay doors (Left and right). Remove.								
2.3 Gas shield (Aft end of gun bays). Remove.								
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).								
Continued Overleaf								
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VENTRAL PACK - REMOVAL AND ASSEMBLY

FIGURE 1

Continued

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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), re-acting at flange of turning link with C-Spanner (26DK/95911).
 - (iii) Remove.

Continued Overleaf

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CHAP. 1 AIRFRAME

S.P. 49 A.L. 8

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SERVICING PROCEDURE

F53

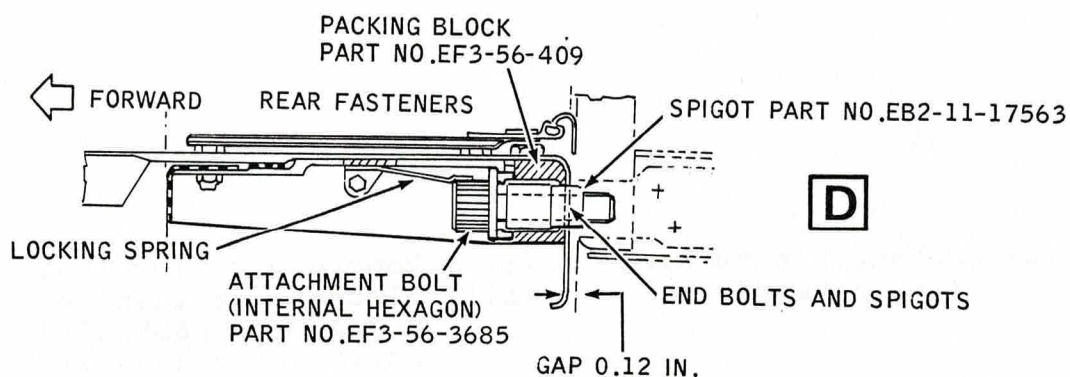
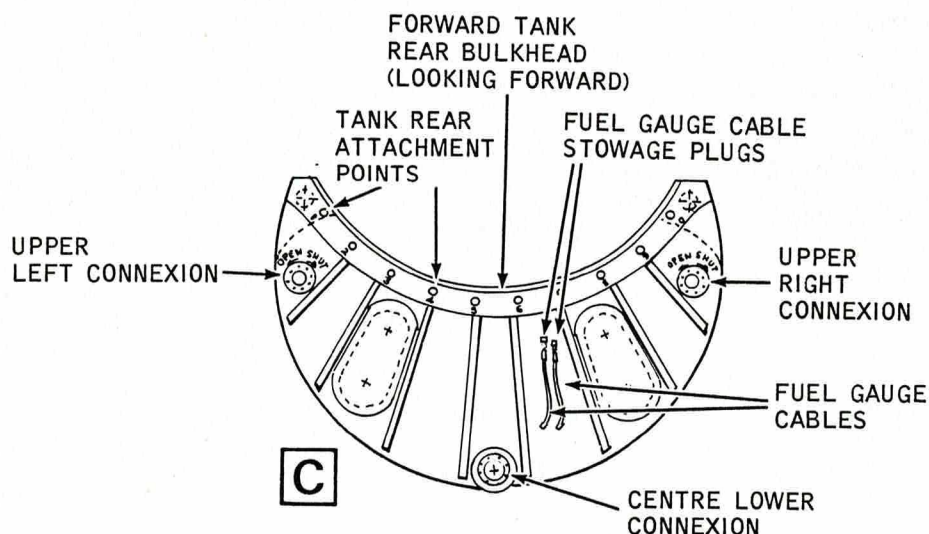
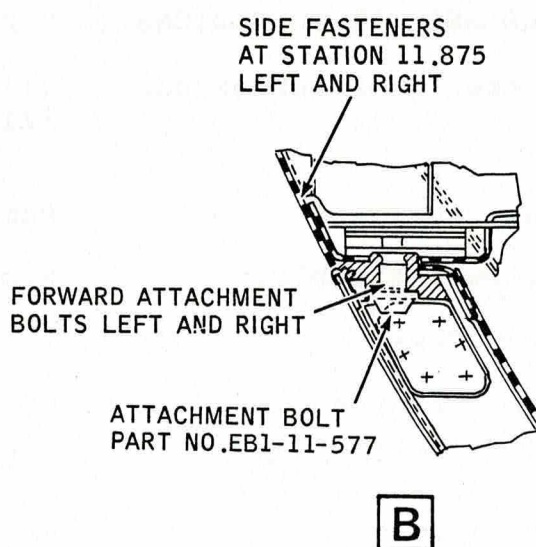
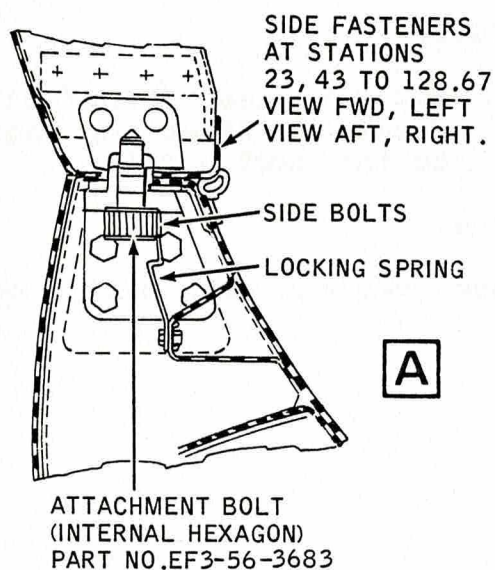
T55

BAC F53 & T55 (SA)

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FORWARD TANK ATTACHMENT

FIGURE 2

Continued

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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

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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

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4 3 1 5 1

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.

4 6 2 5 0

6. GENERAL

- 6.1 Weapons pack. (i) Raise.
(ii) Refit.

4 3 2 5 0

7. EXAMINATION

- 7.1 Air inlet pipe to reheat pump assembly 26DK/10571 (043614). Reheat System No. Engine Compartment.
Examine particularly for security of circlips (2 OFF) See Fig.3.
- 7.2 GW pack heating flexible pipe protective tape (045401). Equipment Cooling and Heating Systems
Examine particularly for chafing.

4 2 3 5 0

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.

4 3 1 7 1

9. COMPLETION

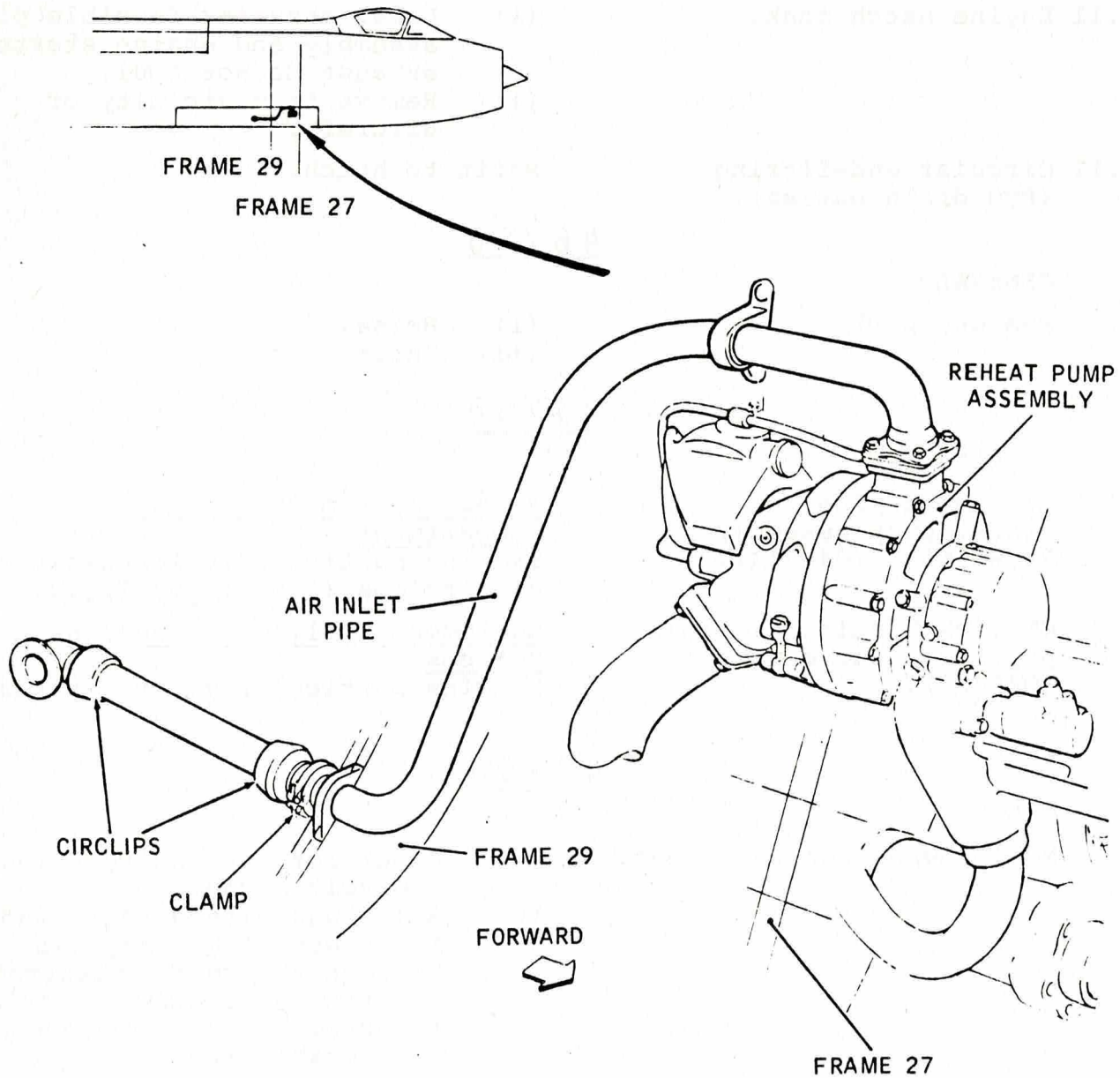
- 9.1 Engine hatch tank. Complete Serviceable label to AFTO 350 as applicable.

Continued Overleaf

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AIR INLET PIPE
FIGURE 3

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