

CHAP. 1 AIRFRAME	SERVICING PROCEDURE	BAC F53 & T55 (SA)
S.P. 10 A.L. 11	F53 T55	5A3A Section 1
SHEET 1 OF 6		2nd Edition

No. 2 Engine Hatch - Fitting	AFSC	TIME EST
	43151 32271	
	43250 42251	
	42350	

<p>Safety and Servicing Notes are to be complied with throughout the work detailed on this card.</p> <p>SPECIAL TOOLS AND EQUIPMENT</p> <p>Socket (1L/NIV 5/16 AF Bi-Hex extra deep). Brace spanner (26DK/95084). Spanner (26DK/95424). Lifting beam (26DK/95435). Multi purpose servicing hoist (4G/4232366). Jib No.3 (4GC/4232396). Torque wrench (1C/1202793). Torque wrench (1C/1202795).</p> <p style="text-align: center;"><u>43151</u></p> <p>1. PREPARATION</p> <p>1.1 Standby generator air pipe (fitted over air intake access panel). Ensure packing interposes pipe and clamp and pipe is held rigid.</p> <p>2. FITTING</p> <p>2.1 Spine cover access panels. Ensure removed.</p> <p>2.2 Slingsing point access panel. Ensure open.</p> <p>2.3 End-bolt cover plates. Ensure open.</p> <p>2.4 Hinge bolts. Ensure retracted fully.</p> <p>2.5 End-bolt spigots. Ensure retracted fully.</p> <p>2.6 Jacking bolts. Ensure retracted fully.</p> <p>2.7 Lifting beam (26DK/95435). (i) Support. (ii) Fit.</p> <p>2.8 Multi purpose servicing hoist with No.3 jib. Connect to lifting beam.</p> <p>2.9 Flaps. Ensure lowered.</p> <p>2.10 Hatch. Position, ensuring that electrical cables are guided into place during lowering.</p> <p>2.11 Lifting beam (26DK/95435). Remove.</p> <p>2.12 Side bolts (See Fig.1). Screw in until nipped, using spanner (26DK/95084).</p>	<p>ASSOCIATED PROCEDURES</p> <p>SP101 (RAD 109 (P) 117 (EL) 139 (EL))</p>
---	--

Continued Overleaf

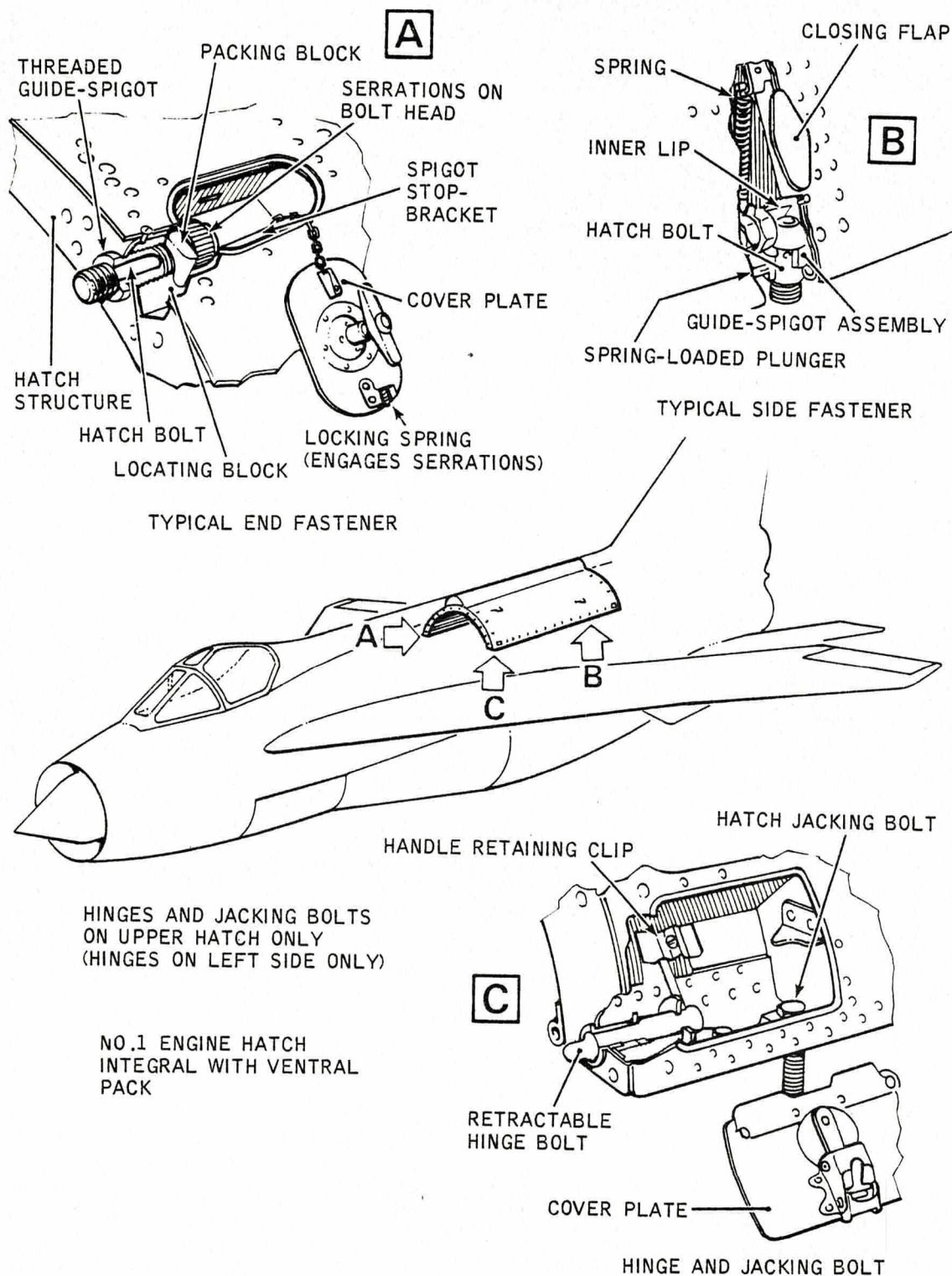
SERVICING PROCEDURE INSPECTION STAGES DO NOT EXCLUDE ADDITIONAL INSPECTION STAGES INCORPORATED AS NECESSARY IN MAINTENANCE CERTIFICATION DOCUMENTS

CHAP. 1 AIRFRAME
S.P. 10 A.L. 11
SHEET 2 OF 6

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.



ENGINE HATCHES REMOVAL/FITTING
FIGURE 1

Continued

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	10	AL 11	F53 T55	5A3A Section 1
SHEET	3	OF 6		2nd Edition

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

43151

2. FITTING (Contd)

- 2.13 End-bolts spigots (See Fig.1).
 (i) Screw in, working from centre bolt outwards using spanner (26DK/95425) and torque wrench (1C/1202795).
 (ii) Torque-tighten to between 40 and 45 lbf ft.
- 2.14 Hatch. Ensure aligned with fuselage.
- 2.15 Side bolts. Tighten, working from centre bolt outwards using spanner (26DK/95084)
- 2.16 Side-bolt cover plates. Ensure fitting flush.
- 2.17 End bolts.
 (i) Fit, working from centre bolt outwards using spanner (26DK/95625) and torque wrench (1C/1202795).
 (ii) Torque-tighten to between 40 and 45 lbf ft.
- 2.18 End-bolt cover plates.
 (i) Fit.
 (ii) Ensure screw slots align with indicator marks.
- 2.19 Hatch. Check that gap between each end and fuselage is 0.12 in.
- 2.20 No.2 Engine air bleed valve operating ram body (043209). Examine SP433 (P).

42350

3. GENERAL

- 3.1 Igniter plug HT leads (Access panel 67P (left)).
 (i) Connect left lead to igniter plug.
 (ii) Connect right lead to T-joint on No.2 engine compartment floor.
- 3.2 HE unit LT lead. Connect.
- NOTE: Ensure igniter HT leads and HE unit LT lead when connected are securely tied clear of No.2 engine throttle control linkage.
- 3.3 Electrical and AI 23S recorder plugs. Connect.

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 10	AL 11	F53 T55	5A3A Section 1
SHEET 4	OF 6		2nd Edition

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

42251/43151

4. GENERAL

4.1 Split panel. Refit, joint disposed left and right.

4.2 Bleed air turbine bellows/air pipe assembly. Refit (SP 109(P)).

4.3 Forward air pipe connexion. Torque-tighten clamp to between 65 and 70 lbf in.

NOTE: Sub-item 4.4 must be carried out using probelite and mirror viewing through access panel 56S (right) aperture.

4.4 Air pipe bellow assembly (AVICA DE8504)

- (i) Check that minimum clearance of 0.20 in exists between bellows and LP fuel pipe Part No. EF3-57-1571 (See Fig. 2).
- (ii) Ensure adequate clearance exists to adjacent hydraulic pipes.

NOTE 1: Correct clamping and positioning of air pipe over air intake duct access panel will maintain adequate air pipe bellows/fuel pipe clearance.

NOTE 2: Item 5 is applicable only when the minimum clearance of 0.20 in. between air pipe bellows and fuel pipe cannot be obtained.

5. ADJUSTMENT

5.1 Air pipe assembly. Adjust (SP 109 (P)).

43151

6. GENERAL

6.1 Spine cover (Bleed air turbine). Refit.

6.2 Spine cover (Forward). Refit.

6.3 Spine cover (Rear). Refit.

6.4 Slings point Access Panel. Close.

32271

6.5 AI 23 Recorder Test (SP 101 (RAD)).

6.6 Spine cover (Vis Recorder). Refit.

Continued

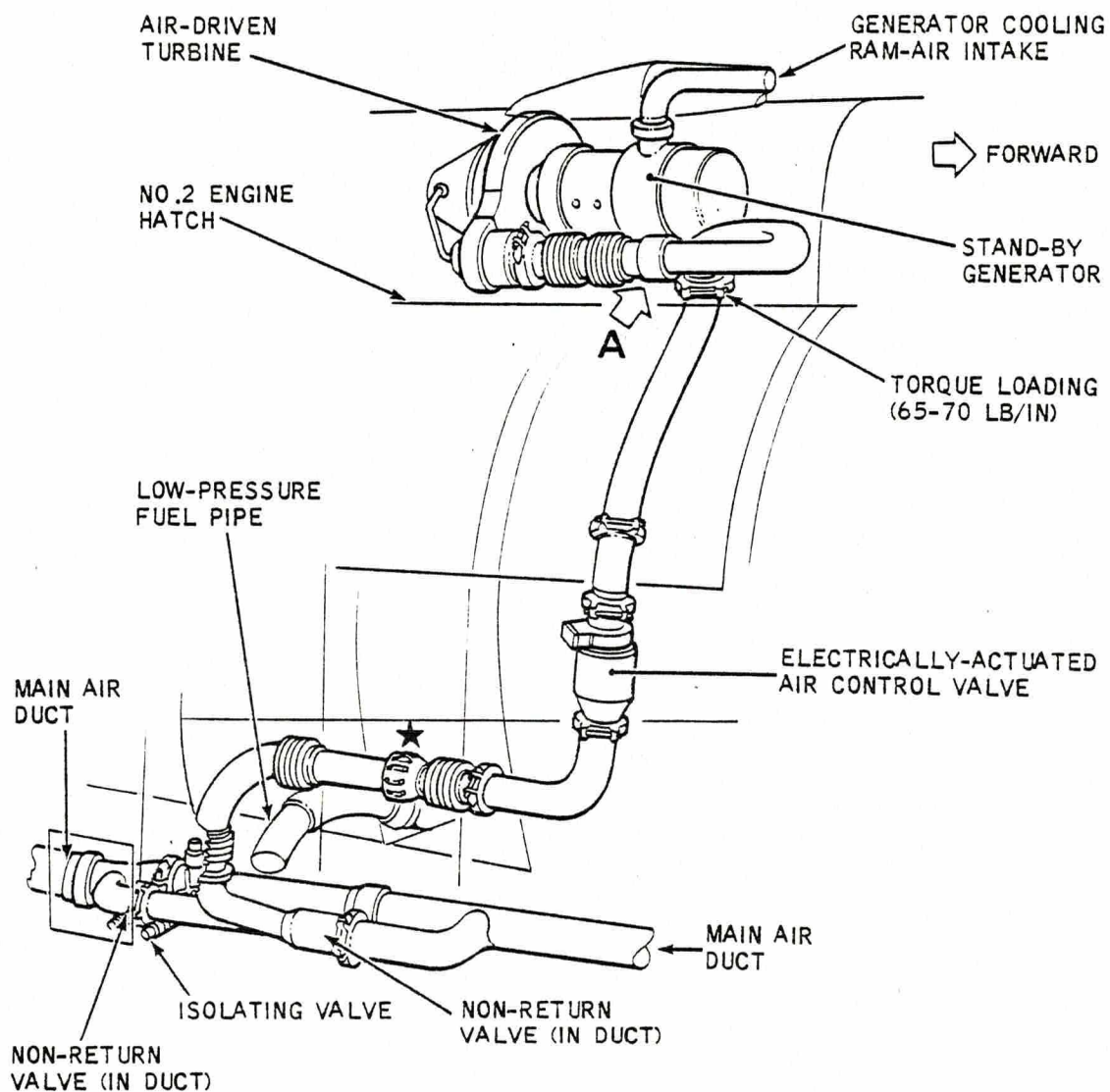
SERVICING PROCEDURE INSPECTION STAGES DO NOT EXCLUDE ADDITIONAL INSPECTION STAGES INCORPORATED AS NECESSARY IN MAINTENANCE CERTIFICATION DOCUMENTS

CHAP 1 AIRFRAME
SP 10 AL 11
SHEET 5 OF 6

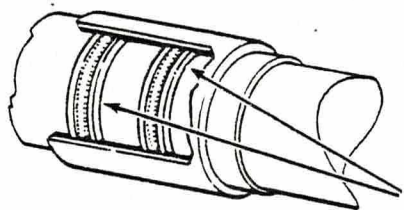
SERVICING PROCEDURE
F53 T55

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.



NOTE: THE MINIMUM PERMISSIBLE CLEARANCE BETWEEN THE AIR DUCT BELLOWS, WHEN COLD, AND THE ADJACENT LOW-PRESSURE FUEL PIPE, IS 0.20 IN. IF ADJUSTMENT IS NECESSARY, SLACKEN THE LOCKNUT AT ★, SUITABLY ADJUST THE PIPE RUN AND RE-TIGHTEN THE LOCKNUT.



SEALING RING CAPS
TO BE STAGGERED

SECTION OF EXPANSION JOINT



AIR PIPE BELLOWS - CLEARANCES

FIGURE 2

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 10	AL 11	F53 T55	5A3A Section 1
SHEET 6	OF 6		2nd Edition

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

42350

7. COMPLETION

- | | |
|------------------------------|--|
| 7.1 Standby generator system | Test SP 117 (EL) or SP 139 (EL) as applicable, for STANDBY and NORMAL modes. |
| 7.2 Anti collision light | Check operation. |
| 7.3 No.2 engine ignitors | Test SP 140 (EL). |

PRINTED IN ENGLAND

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.

