

CHAP. 1 AIRFRAME	SERVICING PROCEDURE	BAC F53 & T55 (SA)
S.P. 14 A.L. 4	F53 T55	5A3A Section 1
SHEET 1 OF 4		2nd Edition
Cold Air Unit (CAU)	AFSC 43171 42251 42271 43151	TIME EST
Safety and Servicing Notes are to be complied with throughout the work detailed on this card.		
SPECIAL TOOLS AND EQUIPMENT		ASSOCIATED PROCEDURE
Torque wrench (1C/1202793)		SP 100(P)
<u>42251/43151</u>		
1. PREPARATION		
1.1 Access Panel	Remove.	
26S (right, F53)		
20S (right, T55).		
1.2 CAU bearing cooling pipe.	Remove.	
1.3 Venturi pipe:		
(a) Clamp-joint at turbine outlet.	} Remove.	
(b) Clamp-joint at forward Frame 25.		
1.4 Water trap drain pipe.	Disconnect.	
1.5 Water trap, clamp-joints at CAU and intercooler.	Disconnect.	
1.6 Pipe assembly compressor outlet to intercooler inlet:		
(a) Clamp-joint at compressor outlet.	} Remove.	
(b) Screwed joint at intercooler inlet.		
1.7 Pipe assembly to compressor inlet, clamp-joint at CAU.	Disconnect.	
		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	14	AL 4	F53	T55
SHEET	2	OF 4		5A3A Section 1 2nd Edition

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

42251/43151

2. REMOVAL

2.1 Securing bolts (quantity 2). Remove.

2.2 CAU. Remove.

3. FITTING

NOTE: Ensure CAU is not inverted.

3.1 CAU. Position.

3.2 Securing bolts. Fit.

3.3 Pipe assembly to compressor inlet. Connect.

3.4 Pipe assembly compressor outlet intercooler inlet. Refit.

3.5 Water trap. Refit.

3.6 Water trap drain pipe. Connect.

3.7 Venturi pipe. Refit.

3.8 CAU bearing cooling pipe. Refit.

NOTE: Torque limitation of clamped joints:
10 UNF - 35 lbf in.
1/4 UNF - 85 lbf in.

43171

4. TESTING

NOTE: Item 4.2 to be carried out during sub-item 4.1.

4.1 Engines. Ground run (SP 100 (P)).

4.2 CAU. (i) Ensure no air leaks.
(ii) Functions correctly.

Continued

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

CHAP. 1 AIRFRAME

S.P. 14 A.L. 4

SHEET 3 OF 4

SERVICING PROCEDURE

F53

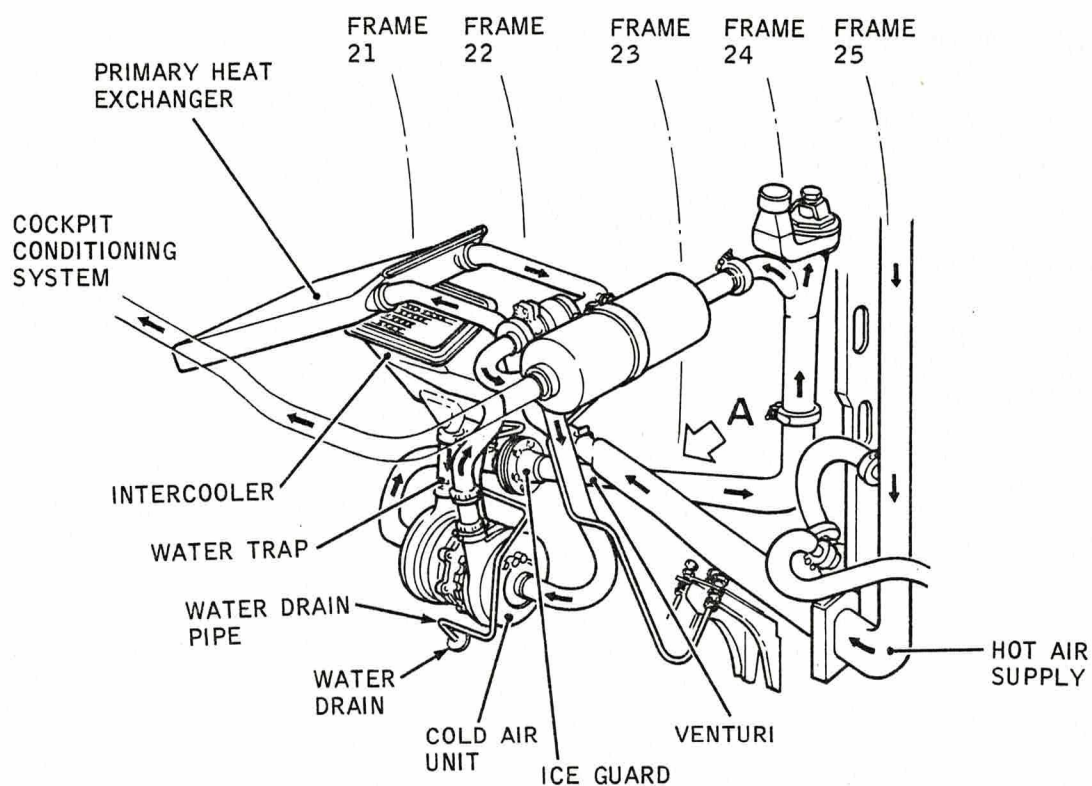
T55

BAC F53 & T55 (SA)

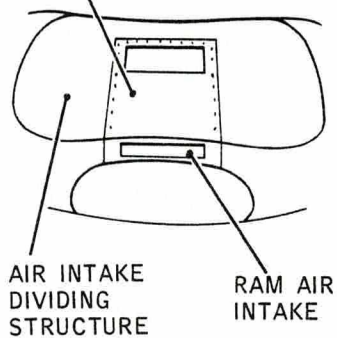
5A3A Section 1

2nd Edition

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



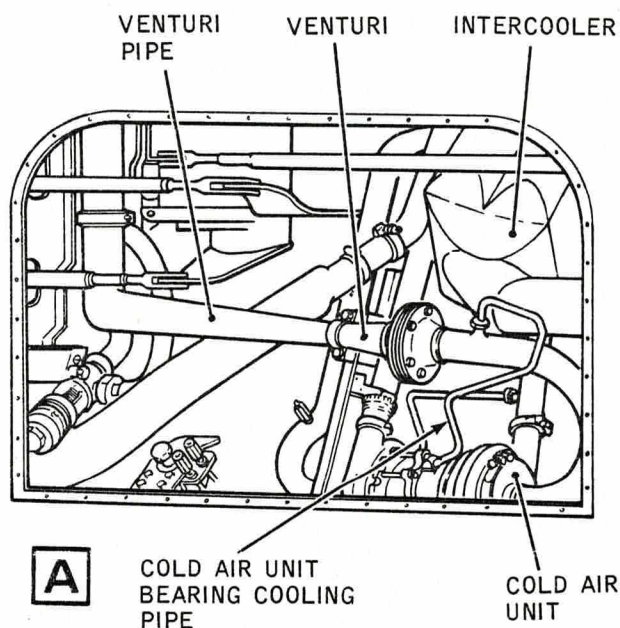
PRIMARY HEAT EXCHANGER ACCESS PANEL



AIR INTAKE DIVIDING STRUCTURE

RAM AIR INTAKE

VIEW LOOKING AFT



REFRIGERATION SYSTEM

FIGURE 1

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 14	AL 4	F53 T55	5A3A Section 1
SHEET 4	OF 4		2nd Edition

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

4 2 2 7 1 / 4 3 1 7 1 (INSPECTOR)

5. INSPECTION STAGE

5.1 Inspect. Item 3 and 4.

4 2 2 7 1 / 4 3 1 5 1

6. COMPLETION

6.1 Access panels
26S (right F53) Fit.
20S (right T55).

NOTE: All wirelocking to be of 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.