

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

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.
 $\frac{1}{4}$ UNF - 85 lbf in.

43171

4. TESTING

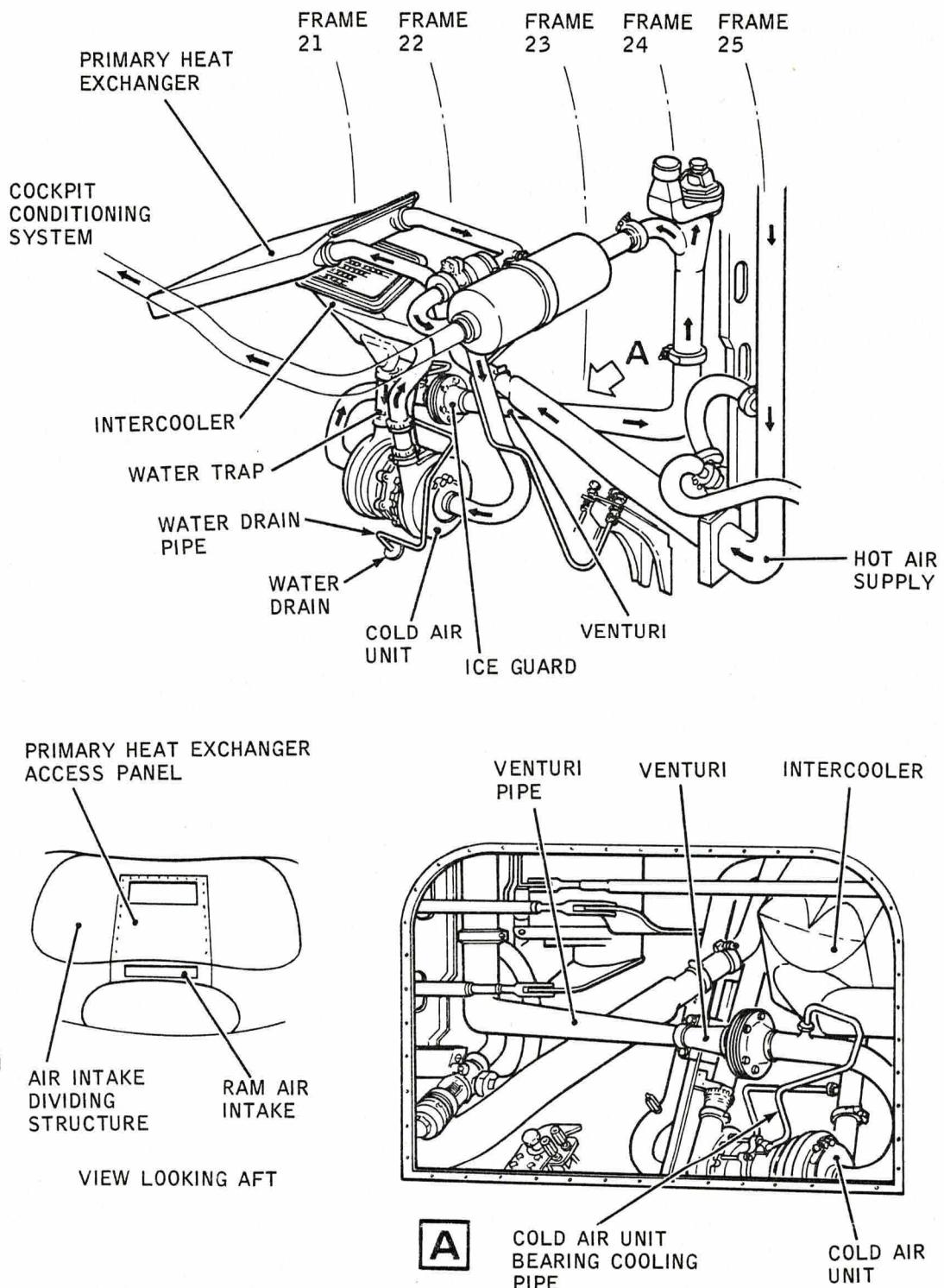
NOTE: Item 4.2 to be carried out during sub-item 4.1.

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

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

Continued

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



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
SP 14 AL 4
SHEET 4 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.

42271 / 43171 (INSPECTOR)

5. INSPECTION STAGE

5.1 Inspect. Item 3 and 4.

42271 / 43151

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.

A close-up photograph of the side of an aircraft. The surface is made of light-colored metal panels with a grid of circular rivets. One panel on the right is partially yellowed and shows some damage, with a small piece of yellow material visible. The lighting is bright, creating highlights and shadows on the metallic surfaces.

This file was downloaded
from the RTFM Library.

Link: www.scottbouch.com/rtfm

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