

CHAP 4 AIRFRAME SP 450 AL 8 SHEET 1 OF 3	SERVICING PROCEDURE F53 T55	BAC F53 & T55 (SA) 5A3A Section 1 2nd Edition	
Aileron Controls Cradle Levers at Mainplane Leading Edges - Cracking		AFSC	TIME EST
Safety and Servicing Notes are to be complied with throughout the work detailed on this card.		43151 43171	
SPECIAL TOOLS AND EQUIPMENT			ASSOCIATED PROCEDURES
Ardrox dye-penetrant kit.			SP45 (AF) SP46 (AF) SP113 (AF)
43151			
1. PREPARATION			
1.1 Outboard mainplane leading edges (left and right).			Remove SP 45 (AF) and SP 46 (AF).
1.2 Turnbarrels EB2.45.647.			(i) Disconnect from outboard end of cradle lever assemblies.
1.3 Ball race end fittings EB2.45.2761.			(i) Remove split pins, nuts, washers and 2BA bolts. (ii) Remove ball race end fittings.
2. EXAMINATION			
2.1 Cradle levers, upper and lower.			(i) Clean. (ii) Look for cracks near each 2BA bolt hole, using ardrox dye pentrant kit.
3. RECTIFICATION			
NOTE: Sub-item 3.1 is applicable only if cracks are found in sub-item 2.1			
3.1 Cradle levers, upper and lower.			Replace.
3.2 Cradle levers, upper and lower.			Check for mal-alignment.
NOTE: Sub-item 3.3 is applicable only if mal-alignment is found during item 3.2.			
3.3 Ball race end fitting EB2-45-2761.			Reassemble to cradle levers. Fit locally manufactured shim between ballrace end fitting and the cradle lever half, as necessary, to correct any malalignment.
Continued Overleaf			
SERVICING PROCEDURE INSPECTION STAGES DO NOT EXCLUDE ADDITIONAL INSPECTION STAGES INCORPORATED AS NECESSARY IN MAINTENANCE CERTIFICATION DOCUMENTS			

CHAP 4 AIRFRAME  
SP 450 AL 8  
SHEET 2 OF 3

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

NOTE: If no cracks are found in sub-item 2.1 remove Ardrex  
and apply anti-corrosion treatment to cradle levers.

4. FITTING

4.1 Ballrace end fitting  
EB2.45.2761.

Refit to cradle lever assembly  
using original 2BA bolts, washers  
and nuts together with new  
split-pins SP 90/C6.

4.2 Turnbarrell  
EB2.45.647.

Reconnect.

43171 (INSPECTOR)

5. INSPECTION STAGE

5.1 Inspect.

Independent check of:  
(i) Assembly and locking.  
(ii) Function.

43151

6. TESTING

6.1 Ailerons.

Test SP 113 (AF).

7. COMPLETION

7.1 Outboard mainplane leading  
edges (left and right).

Refit SP 45 (AF) and SP 46 (AF).

Continued

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

CHAP. 1 AIRFRAME  
S.P. 450 A.L. 8  
SHEET 3 OF 3

# SERVICING PROCEDURE

F53

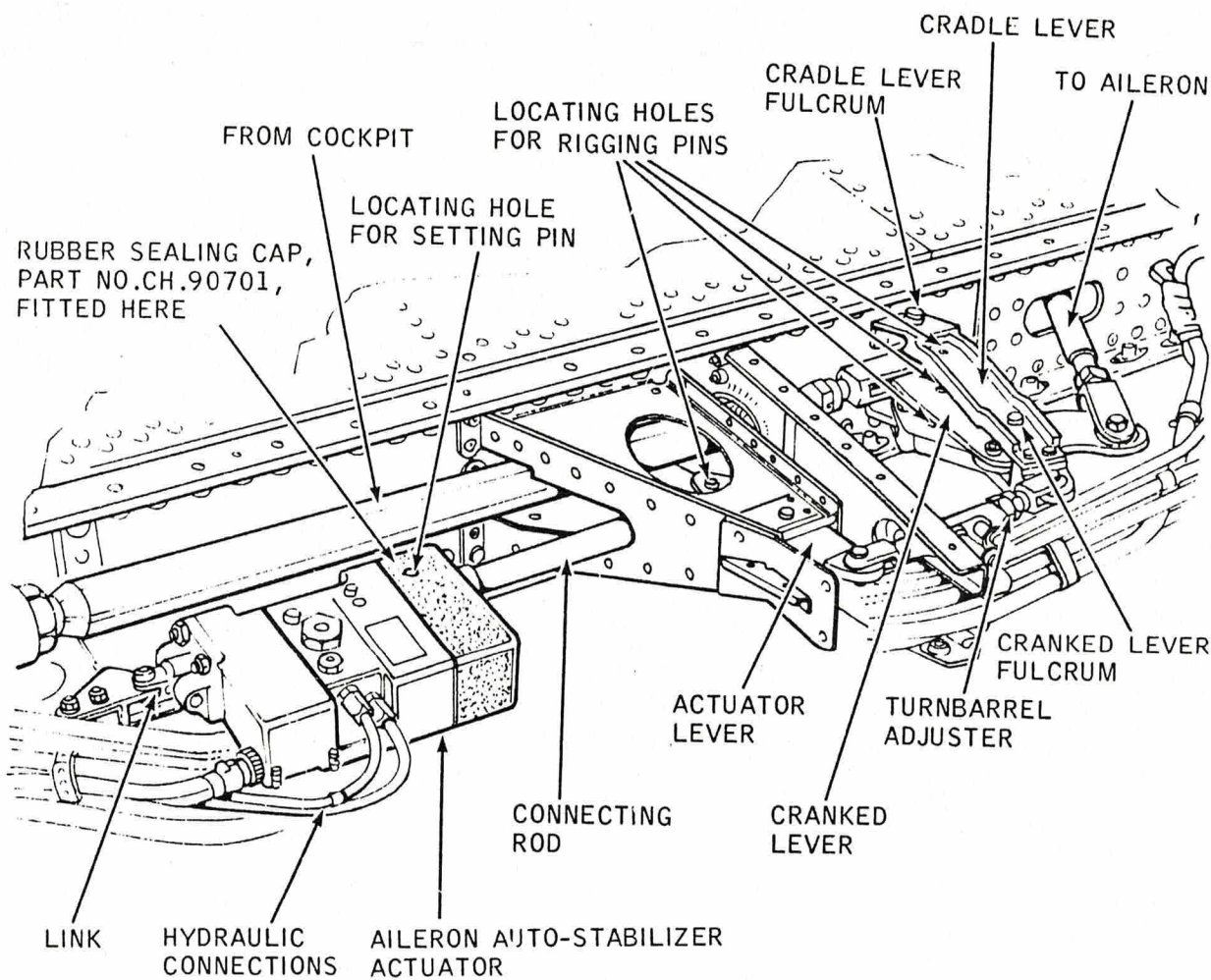
T55

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.



LEFT WING SHOWN:  
RIGHT WING SIMILAR

AUTO-STABILIZER - ACTUATOR INSTALLATION  
FIGURE 1

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

1960

THE UNIVERSITY OF CHICAGO

THE UNIVERSITY OF CHICAGO

THE UNIVERSITY OF CHICAGO

THE UNIVERSITY OF CHICAGO

THE UNIVERSITY OF CHICAGO

THE UNIVERSITY OF CHICAGO

THE UNIVERSITY OF CHICAGO

THE UNIVERSITY OF CHICAGO

THE UNIVERSITY OF CHICAGO

THE UNIVERSITY OF CHICAGO

THE UNIVERSITY OF CHICAGO

THE UNIVERSITY OF CHICAGO

THE UNIVERSITY OF CHICAGO

THE UNIVERSITY OF CHICAGO

THE UNIVERSITY OF CHICAGO

THE UNIVERSITY OF CHICAGO

THE UNIVERSITY OF CHICAGO

THE UNIVERSITY OF CHICAGO

THE UNIVERSITY OF CHICAGO

THE UNIVERSITY OF CHICAGO

THE UNIVERSITY OF CHICAGO

THE UNIVERSITY OF CHICAGO

THE UNIVERSITY OF CHICAGO



This file was downloaded  
from the RTFM Library.

Link: [www.scottbouch.com/rtfm](http://www.scottbouch.com/rtfm)

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

