

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
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)
<u>43151</u>		
<p>1. PREPARATION</p> <p>1.1 Outboard mainplane leading edges (left and right). Remove SP 45 (AF) and SP 46 (AF).</p> <p>1.2 Turnbarrels EB2.45.647. (i) Disconnect from outboard end of cradle lever assemblies.</p> <p>1.3 Ball race end fittings EB2.45.2761. (i) Remove split pins, nuts, washers and 2BA bolts. (ii) Remove ball race end fittings.</p>		
<p>2. EXAMINATION</p> <p>2.1 Cradle levers, upper and lower. (i) Clean. (ii) Look for cracks near each 2BA bolt hole, using ardrox dye penetrant kit.</p>		
<p>3. RECTIFICATION</p> <p>NOTE: Sub-item 3.1 is applicable only if cracks are found in sub-item 2.1</p> <p>3.1 Cradle levers, upper and lower. Replace.</p> <p>3.2 Cradle levers, upper and lower. Check for mal-alignment.</p> <p>NOTE: Sub-item 3.3 is applicable only if mal-alignment is found during item 3.2.</p> <p>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.</p>		
Continued Overleaf		

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NOTE: If no cracks are found in sub-item 2.1 remove Ardrox 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.
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6. TESTING

6.1 Ailerons.	Test SP 113 (AF).
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7. COMPLETION

7.1 Outboard mainplane leading edges (left and right).	Refit SP 45 (AF) and SP 46 (AF).
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CHAP. 1 AIRFRAME
S.P. 450 A.L. 8
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SERVICING PROCEDURE

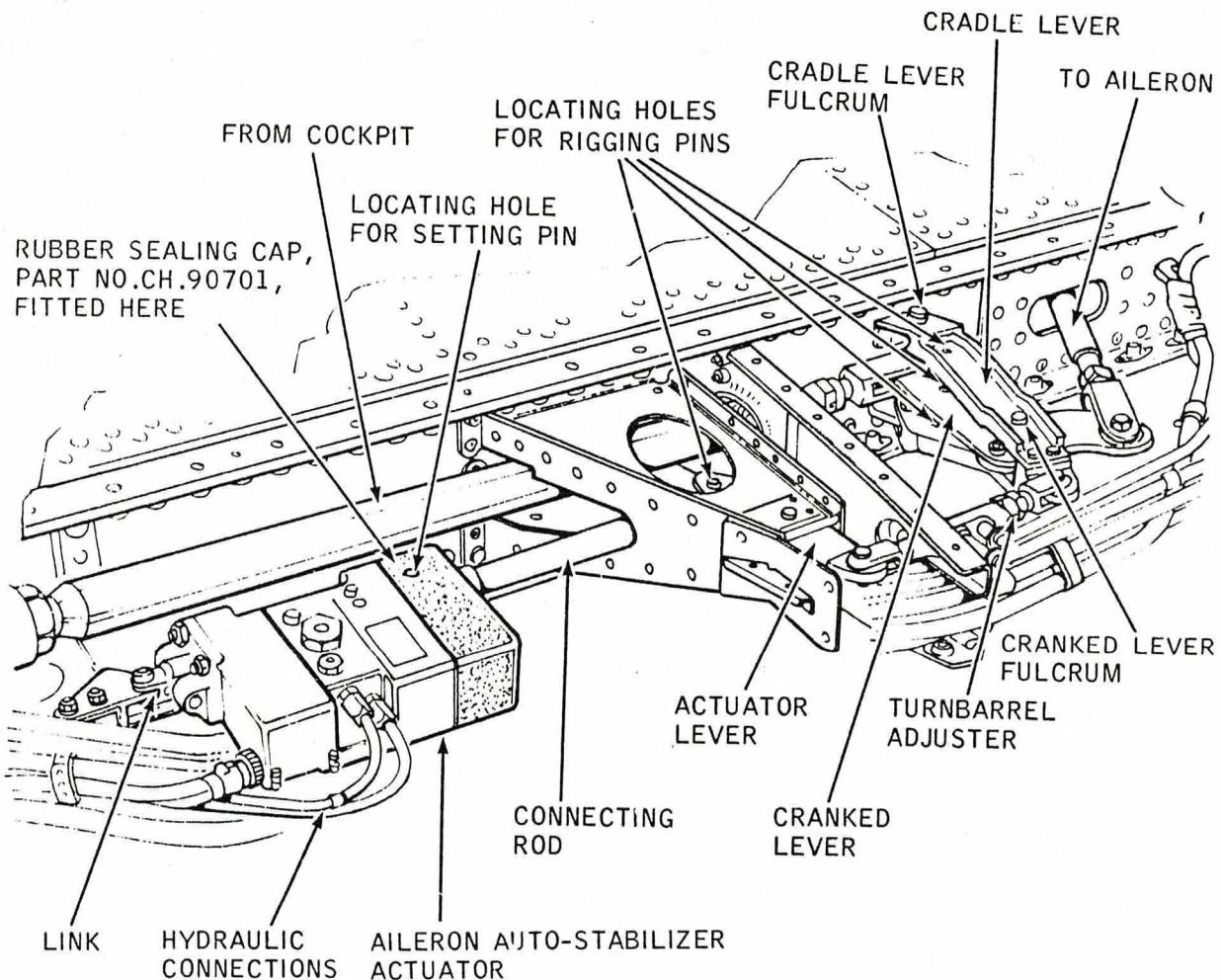
F53 T55

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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

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