

CHAP	2	SP 116	SERVICING PROCEDURES				AP 101B-1000-5A3E (Section 1 (1st Edition))			TIME	ACT		
TRADE		FLT SYST	LIGHTNING										
SHEET	1	OF	3	SHEET/S		3	5	6	AL NO	11	DATE		EST
TITLE	Rudder autostabiliser actuator test - After fitment.						SERVICING RECORD - RAF F.29888 AC NO ..... DATE .....						
Safety and Servicing Notes are to be complied with throughout the work detailed on this Card.						(1)	(2)	(3)	(4)	(5)			
<u>Special Tools and Equipment</u>						MAN HOURS	TRADESMEN INIT	BRIEF DETAILS OF OR SUSPECTED DEFECT	F. 720B NO	N.C.O. INITIALS	ASSOCIATED PROCEDURE CARDS		
Test Set Type 11 Gyro deflection box 6C/2201 Gauge Rudder Travel 26DK/95286													
<u>FLT SYST</u>											ASSOCIATED TRADES		
1. <u>Preparation</u>													
1.1 Test set Type 11 gyro deflection box. Connect to aircraft test sockets F, J and L.											ASSOCIATED TRADES		
1.2 External power supplies (AC and DC). (i) Connect to aircraft. (ii) Switch 'ON'.													
<u>AIRFRAME</u>											ASSOCIATED TRADES		
2. <u>Preparation</u>													
2.1 Hydraulic reservoir No 1 controls sytem. } Replenish SP 604(AF).											ASSOCIATED TRADES		
2.2 Hydraulic reservoir No 1 services system. }													
2.3 Hydraulic accumulators, No 1 control system. } Check pressures. SP 603 (AF).											ASSOCIATED TRADES		
2.4 Hydraulic accumulators, No 1 services system. }													
2.5 Hydraulic servicing trolleys. (i) Connect to No 1 control system test connections. (Access panel 45P). (ii) Connect to No 1 services system test connexions. (Access panel 45P).											ASSOCIATED TRADES		
2.6 Rudder travel gauge. Fit.													
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SP 603 (AF) 604 (AF) 107 (NI).

CHAP	2	FLT SYST	SERVICING PROCEDURES		AP101B-1000-5A3E				
SP NO	116	CONTINUED	LIGHTNING		Section I (1st Edition)				
SHEET	2	AL 11			AC NO . . . . . DATE . . . . .				
Safety and Servicing Notes are to be complied with throughout the work detailed on this card.					SERVICING RECORD				
					(1)	(2)	(3)	(4)	(5)
<b>AIRFRAME</b>									
2.	<u>Preparation</u> (Contd)								
2.7	No 1 controls system.	}	Pressurise to 300 lbs/in <sup>2</sup> .						
2.8	No 1 services system.								
2.9	Rudder.		Set to neutral.						
<b>FLT SYST</b>									
3.	<u>General</u>								
3.1	Instrument master switch.		Set to 'ON'.						
3.2	Pilots control unit master switch.		Set to 'ON'.						
3.3	Pilots control unit stab switch.		Set to 'STAB'.						
3.4	Pilots control unit supply magnetic indicator.		Ensure shows 'BLACK'.						
3.5	Test set gyro deflection box, red indicator lamp.		Ensure lit.						
3.6	Test set gyro deflection control.		Set to maximum.						
4.	<u>Testing</u>								
4.1	Test set rate gyro switch.		Set to 'YAW'.						
4.2	Test set deflection switch.		Depress.						
4.3	Rudder.		Ensure moves to Starboard approximately 3 degrees and decays to neutral.						
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CHAP	2	FLT SYST	SERVICING PROCEDURES		AP101B-1000-5A3E				
SP NO	116	CONTINUED	LIGHTNING		Section (1st Edition)				
SHEET	3	AL 11			AC NO . . . . . DATE . . . . .				
Safety and Servicing Notes are to be complied with throughout the work detailed on this card.					SERVICING RECORD				
					(1)	(2)	(3)	(4)	(5)
<b>FLT SYST</b>									
4.	<u>Testing (Contd)</u>								
4.4	Test set deflection switch.		Release.						
4.5	Rudder.		Ensure moves to Port approximately 3 degrees and decays to neutral.						
5.	<u>Dither Test</u>								
5.1	Dither setting.		Test SP 107 (NI).						
6.	<u>Completion</u>								
6.1	Pilots control unit.		Set to OFF.						
	(a) Master switch.	}	Set to OFF.						
	(b) Stab switch.								
6.2	Instrument master switch.		Set to OFF.						
6.3	External power supplies (AC and DC).		(i)	Set to OFF.					
			(ii)	Disconnect.					
6.4	Test set gyro deflection box.		(i)	Disconnect.					
			(ii)	Remove.					
6.5	Test sockets and shorting plugs.		(i)	Refit shorting plug					
			(ii)	Fit blanks.					
<b>AIRFRAME</b>									
7.	<u>Completion</u>								
7.1	Hydraulic servicing trolleys.		(i)	Release pressure.					
			(ii)	Remove.					
7.2	Rudder travel gauge.		Remove.						
7.3	Servicing documents.		Ensure relevant entries are made for Independent Checks.						
SMS/80/92/13, STC					Continued				

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