

CHAP	2	SP 116	SERVICING PROCEDURES				AP 101B-1000-5A3E (Section 1 (1st Edition))				TIME	ACT	EST	
TRADE		FLT SYST		LIGHTNING										
SHEET	1	OF	3	SHEET/S		3		5	6	AL NO	11	DATE		
TITLE	Rudder autostabiliser actuator test - After fitment.									SERVICING RECORD - RAF F.2988B AC NO ..... DATE .....				
Safety and Servicing Notes are to be complied with throughout the work detailed on this Card.										(1)	(2)	(3)	(4)	(5)
Special Tools and Equipment										MAN HOURS	TRADESMEN INIT	BRIEF DETAILS OF OR SUSPECTED DEFECT	F. 720B NO	N.C.O. INITIALS
Test Set Type 11 Gyro deflection box 6C/2201 Gauge Rudder Travel 26DK/95286														
FLT SYST														
1. Preparation														
1.1 Test set Type 11 gyro deflection box. Connect to aircraft test sockets F, J and L.														
1.2 External power supplies (AC and DC). (i) Connect to aircraft. (ii) Switch 'ON'.														
AIRFRAME														
2. Preparation														
2.1 Hydraulic reservoir No 1 controls sytem. } Replenish SP 604(AF).														
2.2 Hydraulic reservoir No 1 services system. }														
2.3 Hydraulic accumulators, No 1 control system. } Check pressures.														
2.4 Hydraulic accumulators, No 1 services system. } SP 603 (AF).														
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).														
2.6 Rudder travel gauge. Fit.														
SMS/80/92/12										Continued				

CHAP	2	FLT SYST	SERVICING PROCEDURES LIGHTNING		AP101B-1000-5A3E Section I (1st Edition)				
SP NO	116	CONTINUED			AC NO . . . . . DATE . . . . .				
SHEET	2	AL 11							
Safety and Servicing Notes are to be complied with throughout the work detailed on this card.					SERVICING RECORD				
					(1)	(2)	(3)	(4)	(5)
AIRFRAME									
2. <u>Preparation</u> (Contd)									
2.7 No 1 controls system.					}				
2.8 No 1 services system.									
Pressurise to 300 lbs/in <sup>2</sup> .									
2.9 Rudder. Set to neutral.									
FLT SYST									
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.									
SMS/80/92/12A					Continued				



CHAP	2	FLT SYST	SERVICING PROCEDURES LIGHTNING		AP101B-1000-5A3E Section (1st Edition)				
SP NO	116	CONTINUED			AC NO . . . . . DATE . . . . .				
SHEET	3	AL 11							
Safety and Servicing Notes are to be complied with throughout the work detailed on this card.					SERVICING RECORD				
					(1)	(2)	(3)	(4)	(5)
<p style="text-align: center;">FLT SYST</p> <p>4.    <u>Testing</u> (Contd)</p> <p>4.4    Test set                      Release. deflection switch.</p> <p>4.5    Rudder.                      Ensure moves to Port approximately 3 degrees and decays to neutral.</p> <p>5.    <u>Dither Test</u></p> <p>5.1    Dither setting.              Test SP 107 (NI).</p> <p>6.    <u>Completion</u></p> <p>▶ 6.1    Pilots control              Set to OFF. unit. (a) Master switch. } Set to OFF. (b) Stab switch. }</p> <p>6.2    Instrument master              Set to OFF. switch.</p> <p>6.3    External power              (i) Set to OFF. supplies (AC and              (ii) Disconnect. DC).</p> <p>6.4    Test set gyro              (i) Disconnect. deflection box.              (ii) Remove.</p> <p>6.5    Test sockets              (i) Refit shorting plug and shorting              (ii) Fit blanks.</p>									
<p style="text-align: center;">AIRFRAME</p> <p>7.    <u>Completion</u></p> <p>7.1    Hydraulic              (i) Release pressure. servicing trolleys.              (ii) Remove.</p> <p>7.2    Rudder travel              Remove. gauge.</p> <p>7.3    Servicing                      Ensure relevant entries documents.                      are made for Independent Checks.</p>									
SMS/80/92/13, 15tc					Continued				

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