

CHAP	2	SP 115	SERVICING PROCEDURES				AP 101B-1000-5A3E (Section 1 (1st Edition))				TIME	ACT			
TRADE	FLT SYST		LIGHTNING												
SHEET	1	OF	4	SHEET/S		3		5	6	AL NO	//	DATE		EST	
TITLE	Tailplane Autostab 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)	
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 Tyro deflection box 6C/2201 Gauge Incidence Tailplane Port 26DK/95572 Gauge Incidence Tailplane Starboard 26DK/95573															
<p style="text-align: center;">FLT SYST</p> <p>1. <u>Preparation</u></p> <p>1.1 Test set Type 11 gyro deflection box. Connect to aircraft test sockets. F L and J.</p> <p>1.2 Electrical power supplies (AC and DC). (i) Connect. (ii) Switch 'ON'.</p>															
<p style="text-align: center;">AIRFRAME</p> <p>2. <u>Preparation</u></p> <p>2.1 Hydraulic reservoirs No 1 controls.)</p> <p>2.2 Hydraulic reservoir services system.) Replenish. SP 604 (AF).</p> <p>2.3 Hydraulic accumulators No 1 controls.)</p> <p>2.4 Hydraulic accumulators services system.) Check pressures. SP 603 (AF).</p> <p>2.5 Hydraulic servicing trolleys. (i) Connect to No 1 controls system test connexions. (Access panel 45P). (ii) Connect to No 2 controls system test connexions. (Access panel 67P).</p>															
SMS/80/92/10										Continued				SP NO	115
										ASSOCIATED TRADES				AF	
										ASSOCIATED PROCEDURE CARDS				SP 603(AF), 604(AF), 107(FS).	

CHAP	2	FLT SYST	SERVICING PROCEDURES LIGHTNING		AP101B-1000-5A3E Section (1st Edition)				
SP NO	115	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)
<p style="text-align: center;"><u>AIRFRAME</u></p> <p>2. <u>Preparation</u> (Contd)</p> <p>2.5 Hydraulic servicing trolleys. (Contd) (iii) Connect to services system test connexions. (Access panel 45P).</p> <p>2.6 Tailplane incidence gauge Port.) 2.7 Tailplane incidence gauge Starboard.) Fit.</p> <p>2.8 No 1 and 2 controls system.) 2.9 Services system.) Pressurize to 3000 lbf/in2.</p> <p>2.10 Tailplane. Set to neutral.</p>									
<p style="text-align: center;"><u>FLT SYST</u></p> <p>3. <u>General</u></p> <p>3.1 Instrument master switch. Set to 'ON'.</p> <p>3.2 MRG switch. (i) Set to 'ON'. (ii) Allow to complete starting cycle.</p> <p>3.3 Nav display heading pointer. Ensure set to lubber line.</p> <p>3.4 Pilot's control unit master switch. Set to 'ON'.</p> <p>3.5 Pilot's control unit stab switch. Set to 'STAB'.</p>									
SMS/80/92/10A					Continued				

CHAP	2	FLT SYST	SERVICING PROCEDURES LIGHTNING		AP101B-1000-5A3E Section (1st Edition)				
SP NO	115	CONTINUED			AC NO DATE				
SHEET	3	AL 11			SERVICING RECORD				
Safety and Servicing Notes are to be complied with throughout the work detailed on this card.				(1)	(2)	(3)	(4)	(5)	
<p style="text-align: center;">FLT SYST</p> <p>3. <u>General</u> (Contd)</p> <p>▶ 3.6 Pilot's control Ensure shows Black. unit supply magnetic inciator.</p> <p>3.7 Test set red Ensure lit. indicator lamp.</p> <p>3.8 Test set Set to maximum. deflection control.</p>									
<p style="text-align: center;">FLT SYST</p> <p>4. <u>Testing</u></p> <p>4.1 Test set rate Set to 'PITCH'. gyro switch.</p> <p>4.2 Test set Depress. deflection switch.</p> <p>4.3 Tailplane. Ensure moves up approximately 1° degree and decays to neutral.</p> <p>4.4 Test set Release. deflection switch.</p> <p>4.5 Tailplane. Ensure moves down approximately 1 degree and decays to neutral.</p> <p>▶ 4.6 Pilots control Select 'TRACK'. unit.</p> <p>4.7 AP/FD switch. Set to 'AP'.</p> <p>4.8 Test set Depress. deflection switch.</p> <p>4.9 Tailplane. Ensure moves up approximately 3.3 degrees and decays to neutral.</p> <p>4.10 Test set Release. deflection switch.</p>									
SMS/80/92/11				Continued					

CHAP	2	FLT SYST	SERVICING PROCEDURES		AP101B-1000-5A3E	
SP NO	115	CONTINUED	LIGHTNING		Section	
SHEET	4	AL 11			(1st Edition)	
					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)	
<p style="text-align: center;">FLT SYST</p> <p>4. <u>Testing (Contd)</u></p> <p>▶ 4.11 Tailplane. Ensure moves down approximately 3.3 degrees and decays to neutral. ◀</p> <p>5. <u>Dither Test</u></p> <p>5.1 Dither setting. Test SP 107 (FS).</p> <p>6. <u>Completion</u></p> <p>6.1 AD/FP switch.)</p> <p>6.2 Pilot's control)</p> <p>6.3 Pilot's control) Set to 'OFF'.</p> <p>6.4 MRG master)</p> <p>6.5 Instrument)</p> <p>6.6 Test set gyro (i) Disconnect.</p> <p>6.6 deflection box. (ii) Remove.</p> <p>6.9 External (i) Switch off.</p> <p>6.9 electrical power (ii) Disconnect.</p> <p>6.9 supplies.</p> <p>6.10 Test sockets and (i) Refit shorting plug</p> <p>6.10 shorting plug. (ii) Fit blanks.</p>						
<p style="text-align: center;">AIRFRAME</p> <p>7. <u>Completion</u></p> <p>7.1 Hydraulic) (i) Disconnect.</p> <p>7.1 servicing) (ii) Remove.</p> <p>7.1 trolleys.</p> <p>7.2 Tailplane Remove.</p> <p>7.2 incidence</p> <p>7.2 gauges.</p> <p>7.3 Servicing Ensure relevant entries</p> <p>7.3 documents. are made for Independent</p> <p>7.3 Checks.</p>						
SMS/80/92/11A					Continued	

SMS 17A

This file was downloaded
from the RTFM Library.

Link: www.scottbouch.com/rtfm

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

