

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.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)	ASSOCIATED PROCEDURE CARDS			
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											ASSOCIATED TRADES			
FLT SYST														
<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>											ASSOCIATED TRADES			
AIRFRAME														
<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>											ASSOCIATED TRADES			
<p>SMS/80/92/10</p>														
						Continued								

SP 603(AF), 604(AF), 107(FS).

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

SMS 17A

CHAP	2	FLT SYST	SERVICING PROCEDURES		AP101B-1000-5A3E				
SP NO	115	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)
FLT SYST									
3.	<u>General</u> (Contd)								
▶ 3.6	Pilot's control unit supply magnetic inciator.	Ensure shows Black.							
3.7	Test set red indicator lamp.	Ensure lit.							
3.8	Test set deflection control.	Set to maximum.							
FLT SYST									
4.	<u>Testing</u>								
4.1	Test set rate gyro switch.	Set to 'PITCH'.							
4.2	Test set deflection switch.	Depress.							
4.3	Tailplane.	Ensure moves up approximately 1° degree and decays to neutral.							
4.4	Test set deflection switch.	Release.							
4.5	Tailplane.	Ensure moves down approximately 1 degree and decays to neutral.							
▶ 4.6	Pilots control unit.	Select 'TRACK'.							
4.7	AP/FD switch.	Set to 'AP'.							
4.8	Test set deflection switch.	Depress.							
4.9	Tailplane.	Ensure moves up approximately 3.3 degrees and decays to neutral.							
4.10	Test set deflection switch.	Release.							
SMS/80/92/11					Continued				

SMS 17A

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

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.

