

CHAP	2	FLT SYST	SERVICING PROCEDURES		AP101B-1000-5A3E	
SP NO	114	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)	
AIRFRAME						
2.	<u>Preparation</u>					
2.6	Aileron travel gauge Port.	Fit.				
2.7	Aileron travel gauge Starboard.	Fit.				
2.8	No 1 controls system.	} Pressurize to 3000 lbs/in2.				
2.9	No 1 services system.					
2.10	Ailerons.	Set to neutral.				
FLT SYST						
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 at lubber line.				
3.4	Pilot's control unit master switch.	Set to 'ON'.				
3.5	Pilot's control unit stab switch.	Set to 'STAB'.				
3.6	Pilot's control unit supply magnetic indicator.	Ensure show Black.				
3.7	Test set red indicator lamp.	Ensure lit.				
3.8	Test set rate gyro switch.	Set to maximum.				
SMS/80/92 / 7A					Continued	

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CHAP	2	FLT SYST	SERVICING PROCEDURES		AP101B-1000-5A3E		
SP NO	114	CONTINUED	LIGHTNING		Section (1st Edition)		
SHEET	3	AL 16			AC NO DATE		
Safety and Servicing Notes are to be complied with throughout the work detailed on this card.					SERVICING RECORD		
					(1)	(2)	(3)
FLT SYST							
4.	<u>Testing</u>						
4.1	Test set Type 11 rate gyro switch.	Set to 'ROLL'.					
4.2	Test set Type 11 deflection switch.	Depress.					
4.3	Port aileron, trailing edge.	Ensure moves up approximately 1 degree then decays to neutral.					
4.4	Starboard aileron, trailing edge.	Ensure moves down approximately 1 degree then decays to neutral.					
4.5	Test set Type 11 deflection switch.	Release.					
4.6	Port aileron, trailing edge.	Ensure moves down then decays to neutral.					
4.7	Starboard aileron, trailing edge.	Ensure moves up then decays to neutral.					
4.8	Pilot's control	Select to 'ATTITUDE'.					
4.9	AP/FD switch.	Set to 'AP'.					
▶ 4.10	Pilots control units B.A.C.	Turn fully anti clockwise.					
4.11	Port aileron trailing edge.	Ensure moves up approximately 2.4 degrees.					
4.12	Starboard aileron trailing edge.	Ensure moves down approximately 2.4 degrees.					
4.13	Pilot's control unit B.A.C.	Return to centre.					
4.14	Port aileron trailing edge.	Ensure moves to neutral.					
4.15	Starboard aileron trailing edge.	Ensure moves to neutral.					
SMS/82/166/2					Continued		

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CHAP	2	FLT SYST	SERVICING PROCEDURES		AP101B-1000-5A3E				
SP NO	114	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</u> (Contd)								
4.16	Pilot's control unit B.A.C.		Turn fully clockwise.						
4.17	Port aileron trailing edge.		Ensure moves down approximately 2.4 degrees.						
4.18	Starboard aileron trailing edge.		Ensure moves up approximately 2.4 degrees.						
4.19	Pilot's control unit B.A.C.		Return to centre.						
4.20	Port aileron trailing edge.		Ensure return to neutral.						
4.21	Starboard aileron trailing edge.		Ensure returns to neutral.						
5.	<u>Dither Test</u>								
5.1	Dither setting.		Test SP 107 (NI).						
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.		Set to 'OFF'.						
6.6	External electrical power supplies.		(i)	Switch off.					
			(ii)	Disconnect.					
6.7	Test Set gyro deflection box.		(i)	Disconnect.					
			(ii)	Remove.					
SMS/82/166/2A					Continued				

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