

CHAP	5	FLT SYST	SERVICING PROCEDURES		AP101B-1000-5A3 E				
SP NO	501	CONTINUED	LIGHTNING		Section 1 (1st Edition)				
SHEET	2	AL 12			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									
1.	Preparation (Contd)								
1.3	Type 8A test set.								
	(a) Switch S1.	(i)	Set to 'TEST 1' and check servo indicator shows 01500 PLUS OR MINUS 00010.						
		(ii)	Set to 'TEST 2' and check servo indicator shows 00000 PLUS OR MINUS 00010.						
	(b) Switch S2.	(iii)	Set to 'AP HEIGHT'. Set to 'TAS'.						
2.	<u>Testing</u>								
2.1	Pitot/Static test set static pressure.		Set to prevailing Barometric pressure (Q.F.E.)						
2.2	Height display.	(i)	Check pointer indicates zero feet PLUS OR MINUS 90 ft.						
		(ii)	Adjust as near as possible to zero.						
2.3	Pitot/Static test set.		Set air speed to 275 kt.						
2.4	Speed display.		Check indicates 275 kt and 0.425 M.						
2.5	Type 8A test set meter M1.		Check indicates an increasing voltage (9V approximately).						
2.6	Pitot/Static test set.	(i)	Restore airspeed to 0 kt.						
		(ii)	Set to 30000 ft.						
2.7	Height display unit.	(i)	Check VSI indicates climb during ascent.						
		(ii)	Check indicated height 30000 ft.						
2.8	Type 8A test set.								
	(a) 30000 ft lamp.		Check lights at 30000 ft PLUS OR MINUS 500 ft.						
	(b) Servo indicator.		Check indication approximately 20547.						
SMS/80/453/12A					Continued				

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CHAP	5	FLIT SYST	SERVICING PROCEDURES LIGHTNING	AP101B-1000-2A/E Section 1 (1st Edition)				
BP NO	501	CONTINUED		AC No DATE				
SHEET	3	AL 12						

Safety and Servicing Notes are to be complied with throughout the work detailed on this card.

SERVICING RECORD

			(1)	(2)	(3)	(4)	(5)
FLIT SYST							
2.	<u>Testing</u>	(Contd)					
2.9	Pitot/Static test	Set to 45000 ft. set.					
2.10	Height display unit.	(i) Check VSI indicates climb during ascent. (ii) Check indicated height 45000 ft.					
2.11	Type 8A test set 45000 ft lamp.	Check lights at 45000 ft PLUS OR MINUS 500 ft.					
2.12	Pitot/Static test	Restore height to ambient. set.					
2.13	Height display unit.	Check VSI indicates dive during descent.					
3.	<u>General</u>						
3.1	Instrument master switch.) Set to 'OFF'.					
3.2	AI23B master switch.						
3.3	PCU master switch)						
3.4	External power supplies. (A.c. and d.c.).	(i) Set to 'OFF' (ii) Disconnect and remove from aircraft.					
3.5	Type 8A test set.) Disconnect and remove from aircraft.					
3.6	Pitot/Static test set.						

SMS/80/453/13

cont.

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LIGHTNING MK. 1
COVER PITOT HEAD
EB2-88-5111