

CHAP	5	SP 501	SERVICING PROCEDURES				AP 101B-1000-5A3E (Section 1 (1st Edition))				TIME	ACT		
TRADE	FLT SYST			LIGHTNING										
SHEET	1	OF	3	SHEET/S		3		5	6	AL NO	12	DATE		EST
TITLE	A.D.S. Static Transducer									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 8A. Test Set Pitot/Static Mk 4 or 5.														
<p>NB This Procedure is applicable only if a serviceable component is replaced in a known serviceable system. ▶▶</p> <p style="text-align: center;">FLT SYST</p> <p>1. <u>Preparation</u></p> <p>1.1 Pitot/Static test set. Connect to aircraft.</p> <p>1.2 Type 8A test set. (i) Connect to aircraft test sockets J, F and L. (ii) Connect to FC5 on FCC. (iii) Connect to AD4 on ADC.</p> <p>1.3 External power supplies.(A.c. and d.c.). (i) Connect to aircraft. (ii) Set to 'ON'.</p> <p>1.4 Instrument master switch.) 1.5 A123B master switch.) Set to 'ON'. 1.6 PCU master switch.)</p> <p>1.7 Height display unit millibar scale. Set to prevailing Barometric Pressure (Q.F.E.)</p>										ASSOCIATED PROCEDURE CARDS	ASSOCIATED TRADES	SP NO	501	
SMS/80/453/12														Continued

CHAP	5	FLT SYST	SERVICING PROCEDURES LIGHTNING		AP101B-1000-5A3 E Section 1 (1st Edition)				
BP NO	501	CONTINUED			AC No DATE				
SHEET	2	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)
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.									
(iii) Set to 'AP HEIGHT'. Set to 'TAS'.									
(b) Switch S2.									
2. <u>Testing</u>									
2.1 Pitot/Static test Set to prevailing Barometric set static 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 air speed to 275 kt. set.									
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				

CHAP	5	FLT SYST	SERVICING PROCEDURES LIGHTNING		AP101B-1000-1A1 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)		
FLT 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 set.			Restore height to ambient.						
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'd.						

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