

CHAP	5	SP 509	SERVICING PROCEDURES						AP. 101B-1000-5A3 E 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	FCS Throttle Servo Actuator											SERVICING RECORD 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	TRADESMAN INIT	BRIEF DETAILS OF DEFECT OR SUSPECTED DEFECT	F. 720B NO	N.C.O. INITIALS
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;">✠</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 External power supplies. (A.c. and d.c.). (i) Connect to aircraft. (ii) Set to 'ON'.</p> <p>1.3 Instrument master switch. ) 1.4 MRG On/Off switch. ) Set to 'ON'.</p> <p>2. <u>Testing</u></p> <p>2.1 PCU. (a) Master switch. ) (b) Stab switch. ) Set to 'OFF'.</p> <p>2.2 FD/AP switch. Set to 'OFF'.</p> <p>2.3 FD bead. Ensure in parking position.</p> <p>2.4 PCU. (a) Master switch. Set to 'ON'. (b) Stab switch. Set to 'STAB'. (c) Track switch. Select.</p>												ASSOCIATED PROCEDURE CARDS				
SMS/80/453/34																
Continued																

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CHAP	5	FLT SYST	SERVICING PROCEDURES LIGHTNING	AP101B-1000-5A3 E Section 1 (1st Edition)			
SP NO	509	CONTINUED					
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)
<p style="text-align: center;">FLT SYST</p> <p>2.    <u>Testing</u>    (Contd)</p> <p>2.5   Navigation display unit.</p> <p>      (a) Compass system.        Ensure synchronized.</p> <p>      (b) Selected heading pointer.    Align with lubber.</p> <p>2.6   FD/AP switch.        Set to 'AP'.</p> <p>2.7   PCU.</p> <p>      (a) Supplies M1.        Ensure shows Black.</p> <p>      (b) Mode M1.        Ensure shows Auto.</p> <p>2.8   FD bead.        Ensure at centre of presentation.</p> <p>2.9   P-S test set.        Set airspeed to 175 kt.</p> <p>2.10   Throttles.        Set to mid-position and engage clutch.</p> <p>2.11   P-S test set.        Increase airspeed to 185 kt.</p> <p>2.12   Throttles.        Ensure move backward.</p> <p>2.13   P-S test set.        Decrease airspeed to 165 kt.</p> <p>2.14   Throttles.        Ensure move forward.</p> <p>2.15   PCU.</p> <p>      (a) Master switch.        )        Set to 'OFF'.</p> <p>      (b) Stab switch.)</p> <p>2.16   FD/AP switch.        Set to 'OFF'.</p> <p>2.17   Throttles.        Disengage clutch and close.</p>							
SMS/80 / 453 / 34 A			Continued				

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CHAP	5	FLT SYST	SERVICING PROCEDURES LIGHTNING		AP101B-1000-5A3 E Section 1 (1st Edition)				
SP NO	509	CONTINUED							
SHEET	3	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)
<p style="text-align: center;">FLT SYST</p> <p>3.    <u>General</u></p> <p>3.1   MRG On/Off    )       switch.        )</p> <p>3.2   Instrument    )       master switch.)    Set to 'OFF'.</p> <p>3.3   P-S test set.    Disconnect and remove                               from aircraft.</p> <p>3.4   External power    (i)   Set to 'OFF'.       supplies.        (ii)   Disconnect and                               remove from                               aircraft.</p>									
SMS/80/453/35									





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