

ELECTRICAL  
SP301(1)  
(1 to 3)

SERVICING PROCEDURES  
FUNCTIONAL CHECKS AND TESTS  
JET PROVOST (ALL MARKS)

(2303)  
AP101B-(2304)-5A3  
(2305)

SERVICING RECORD  
Aircraft Ser No:

RAF Form 2988B  
(Revised 1981)

PITOT/STATIC SYSTEM BASIC SENSE AND LEAK TEST

Sect 2  
Chap 3

Date:

SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD						TRADESMAN		Brief Details of Suspected Defect & MOD F720 ORN When Applicable	SUPERVISOR		
TRADE	M/HRS	TRADE	M/HRS	ASSOCIATED PROCEDURE CARDS	ESTIMATED TIME		MAN HRS		INITS	MAN HRS	INITS
EL					ELAPSED	MANHOURS					
						1.5	1	2	3	4	5
<b>Special Tools and Equipment:</b> Pitot/Static Leak Tester, 6C/4350548.											
<b>BLOCK 1</b> <span style="float: right;">ELECTRICAL</span>  1. <u>Preparation</u>  NB. Sub-item 1.1 is applicable only to T3A and T4 aircraft.  1.1 Pitot/static leak tester. <span style="float: right;">Connect to pressure head.</span> (Complete with adapter).  NB. Sub-item 1.2 is applicable only to T5 and T5A aircraft.  1.2 Pitot/static leak tester. <span style="float: right;">Connect to pressure head.</span> (Complete with drain hole seal and adapter).  1.3 External power supplies. <span style="float: right;">(i) Connect. (ii) Switch on.</span>  1.4 Flight instrument switch. <span style="float: right;">Set to 'ON'.</span>											
<b>BLOCK 2</b> <span style="float: right;">ELECTRICAL</span>  2. <u>Pitot System</u>  2.1 Pitot/static leak tester. <span style="float: right;">(i) Set to 'PRESSURE TO PITOT'. (ii) Apply pressure equivalent to 130 knots. (iii) Check time of fall from 130 to 125 knots exceeds 3 minutes.</span>  2.2 Altimeters. <span style="float: right;">)</span> 2.3 Rate of climb indicator. <span style="float: right;">)</span> <span style="float: right;">Ensure indicating zero.</span>											

## PITOT/STATIC SYSTEM BASIC SENSE AND LEAK TEST

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		MAN HRS	INITS		MAN HRS	INITS
BLOCK 1	ELECTRICAL					
2.	<u>Pitot System</u> (Contd)					
2.4	ASI. Ensure positive indication.					
2.5	Pitot/static leak tester. Set to 'RELEASE'.					
2.6	Pitot/static leak tester. Disconnect. (Complete with drain hole seal and adapter).					
BLOCK 2	ELECTRICAL					
3.	<u>Static System</u>					
3.1	Port static vent. Blank off.					
3.2	Pitot/static leak tester. Connect to Starboard static vent. (Complete with adapter).					
3.3	Pitot/static leak tester. (i) Set to 'SUCTION TO STATIC'. (ii) Apply suction equivalent to 130 knots. (iii) Check time of fall from 130 to 125 knots exceeds 3 minutes.					
3.4	Altimeters. )					
3.5	ASI. ) Ensure positive indication.					
3.6	Rate of climb indicator. Ensure pointer indicates 'CLIMB' and then returns to zero.					
3.7	Pitot/static leak tester. Set to 'RELEASE'.					
3.8	Pitot/static leak tester. Disconnect. (Complete with adapter).					
3.9	Port static vent. Remove blank.					
TS A3 (193A)						

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TRADESMAN

Brief Details of  
Suspected Defect  
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When Applicable

SUPERVISOR

BLOCK 1

ELECTRICAL

MAN  
HRS

INITS

MAN  
HRS

INITS

3. Static System (Contd)

3.10 Pitot/static leak tester.  
(Complete with adapter).

Connect to Port static vent.

3.11 Starboard static vent.

Blank off.

3.12 Pitot/static leak tester.

(i) Set to 'SUCTION TO STATIC'.  
(ii) Apply suction equivalent to  
130 knots.  
(iii) Check time of fall from 130 to 125  
knots exceeds 3 minutes.

3.13 Altimeters.

3.14 ASI.

)  
) Ensure positive indication.

3.15 Rate of climb indicator.

Ensure pointer indicates climb and then  
returns to zero.

3.16 Pitot/static leak tester.

Set to 'RELEASE'.

BLOCK 2

ELECTRICAL

4. General

4.1 Pitot/static leak tester.  
(Complete with adapter).

Remove.

4.2 Starboard static vent.

Remove blank.

4.3 Flight instrument switch.

Set to 'OFF'.

4.4 External power supplies.

(i) Switch off.  
(ii) Disconnect.

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