

## PROPELLION

SERVICING PROCEDURES  
FUNCTIONAL CHECKS AND TESTS  
HUNTER ALL MARKSAP101B-1300-5A3B  
Sect 2  
Chap 4

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<p>PROPELLION SP 211B(1) (1 to 15) Amdt 1 ENGINE STARTING, TESTING AND STOPPING (MK 7, 7A and 8B AIRCRAFT)</p> <p>SERVICING PROCEDURES FUNCTIONAL CHECKS AND TESTS HUNTER ALL MARKS</p>					AP101B-1300-5A3B Sect 2 Chap 4	<p>MAINTENANCE RECORD RAF Form 2988B (Revised Apr 89)</p> <p>Aircraft/Equipment:</p> <p>Ser No: _____ Date: _____</p>																																			
<p>SAFETY AND MAINTENANCE NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD</p> <p>TRADE M/HRS TRADE M/HRS ASSOCIATED PROCEDURE CARDS</p>					<p>C o d e</p>	Tradesman		<p>Brief details of suspected fault(s) and SNOW(s)</p> <p>3</p>	Supervisor																																
Prop				Man Hrs 1		Units & TDM 2	Man Hrs 4		Units & TDM 5																																
<p><u>Special Tools and Equipment:</u></p> <p>Air Intake Safety Guards, 26FX/95617 (Port) 26FX/95618 (Starboard). Test Resistor 5CZ/4337552.</p>																																									
<p>NB: During this procedure ground running of engine is to be kept to a minimum and the check detailed are only to be carried out when required.</p> <p>Note: Approx equivalent percentage RPM table for use on Hunter MK T7A and 8B aircraft fitted with percentage RPM indicators.</p> <table border="1"> <tr> <th>RPM</th> <th>%</th> <th>RPM</th> <th>%</th> <th>RPM</th> <th>%</th> <th>RPM</th> <th>%</th> </tr> <tr> <td>1500</td> <td>18</td> <td>4500</td> <td>54</td> <td>6400</td> <td>75</td> <td>7550</td> <td>90</td> </tr> <tr> <td>2750</td> <td>33</td> <td>6000</td> <td>72</td> <td>6500</td> <td>78</td> <td>7800</td> <td>93</td> </tr> <tr> <td>3000</td> <td>36</td> <td>6100</td> <td>72.5</td> <td>7000</td> <td>84</td> <td>8100</td> <td>96.4</td> </tr> </table>					RPM	%	RPM	%	RPM	%	RPM	%	1500	18	4500	54	6400	75	7550	90	2750	33	6000	72	6500	78	7800	93	3000	36	6100	72.5	7000	84	8100	96.4					
RPM	%	RPM	%	RPM	%	RPM	%																																		
1500	18	4500	54	6400	75	7550	90																																		
2750	33	6000	72	6500	78	7800	93																																		
3000	36	6100	72.5	7000	84	8100	96.4																																		
<p>BLOCK 1 PROPULSION</p> <p>1. <u>Preparation</u></p> <p>1.1 Engine oil sump. ) Replenish as necessary. 1.2 Accessory gearbox oil sump. ) (Oil OX-38).</p> <p>1.3 aircraft fuel system. Replenish as necessary. (5A2 Sect 2).</p>																																									
<p>SM 89/1504 (3)</p>					<p>Continued</p>																																				

PROPELLION  
SP 211B(2)  
Amdt 1

SERVICING PROCEDURES  
FUNCTIONAL CHECKS AND TESTS  
HUNTER ALL MARKS

AP101B-1300-5A3B  
Sect 2  
Chap 4

MAINTENANCE RECORD

RAF Form 2988B  
(Revised Apr 89)

ENGINE STARTING, TESTING AND STOPPING (MK 7, 7A and 8B AIRCRAFT)

Aircraft/Equipment:

Ser No: Date:

SAFETY AND MAINTENANCE NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD

C o d e	Tradesman		Brief details of suspected fault(s) and SNOW(s)		Supervisor	
	Man Hrs 1	Inits & TDM 2	3	Man Hrs 4	Inits & TDM 5	

BLOCK 1

PROPELLION

1. Preparation (Contd)

1.4 Brake system pressure. Check.  
(1500 lbf/in.2 minimum).

1.5 Aircraft. Position and secure for ground running.

1.6 Control locks. Remove.

1.7 Air intake blanks. Remove.

1.8 Air intakes. Ensure clear.

1.9 Air intake safety guards. Fit.

BLOCK 2

PROPELLION NCO

2. Preparation

2.1 External power supply. (i) Connect.  
(ii) Switch on.

2.2 Battery master switch. ) Set to 'ON'.

2.3 Starter master switch. )

2.4 Fire warning test button. Operate and ensure fire warning light illuminates.

SM 89/1504 (3A)

PROPULSION SP 211B (3)		SERVICING PROCEDURES FUNCTIONAL CHECKS AND TESTS HUNTER ALL MARKS	AP101B-1300-5A3B Sect 2 Chap 4	SERVICING RECORD Aircraft Ser No: Date:		RAF Form 2988B (Revised Jan 85)			
ENGINE STARTING, TESTING AND STOPPING (MK 7, 7A AND 8B AIRCRAFT)				TRADESMAN		Brief Details of Suspected Defect and SNOW When Applicable		SUPERVISOR	
				Code	MAN HRS 1	INITS & TDM 2	3	MAN HRS 4	INITS 5
SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD									
BLOCK 1		PROPELLION NCO							
2. <u>Preparation</u> (Contd)									
2.5 Relight system.		(i) Operate. (ii) Ensure intermittent and audible.							
2.6 Starter master switch.		) Set to 'OFF'.							
2.7 Battery master switch.		)							
2.8 External power supply.		Switch off.							
BLOCK 2		PROPELLION							
3. <u>Preparation</u>									
3.1 Turbo starter cartridge.		Fit.							
3.2 External power supply.		Switch on.							
BLOCK 3		PROPELLION NCO							
NB: During item 4 if engine fails to start close HP cock immediately.									
4. <u>Starting</u>									
4.1 Throttle.		Set to 'CLOSED'.							
4.2 Battery master switch.		Set to 'ON'.							
4.3 Undercarriage selector.		Ensure set to 'DOWN'.							
4.4 Undercarriage indicator.		Ensure three Greens illuminated.							
SMS/ <b>117</b>		Continued							

PROPELLION SP 211B (4)		SERVICING PROCEDURES FUNCTIONAL CHECKS AND TESTS HUNTER ALL MARKS	AP101B-1300-5A3B Sect 2 Chap 4	SERVICING RECORD		RAF Form 2988B (Revised Jan 85)		
ENGINE STARTING, TESTING AND STOPPING (MK 7, 7A AND 8B AIRCRAFT)				Aircraft Ser No: Date:				
SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD				Code	TRADESMAN	Brief Details of Suspected Defect and SNOW When Applicable		
					MAN HRS 1	INITS & TDM 2	MAN HRS 4	INITS & TDM 5
BLOCK 1		PROPELLION NCO						
4.1	<u>Starting</u> (Contd)							
4.5	Anti-icing system switch.	Ensure set to 'SHUT'.						
4.6	Top temperature control switch.	Ensure set to 'ON'.						
4.7	Aircraft brakes.	Set to locked 'ON'.						
4.8	Cabin pressurization.	Ensure set to 'OFF'.						
4.9	Cabin temperature.	) Ensure set to 'AUTO'.						
4.10	Flood flow.	)						
4.11	Power controls.	Ensure set to 'OFF'.						
4.12	Flaps.	Ensure set to 'UP'.						
4.13	Starter master switch.	)						
4.14	Ignition switch.	) Set to 'ON'.						
4.15	LP fuel cock.	)						
4.16	Fuel pump isolation switch.	Set to 'NORMAL'.						
4.17	Tank pump switches.	Set to 'ON'.						
4.18	Fuel pressure warning indicator.	Ensure Red light goes out.						
NB: To prevent possible over-fuelling and high JPT on engine start. Sub-items 4.19 and 4.20 are to be carried out simultaneously.								
4.19	HP fuel cock.	Set to 'ON'.						
4.20	Starter button.	Press for 2 seconds.						

SMS/ 1171A

Continued

PROPULSION SP 211B (5)		SERVICING PROCEDURES FUNCTIONAL CHECKS AND TESTS HUNTER ALL MARKS	AP101B-1300-5A3B Sect 2 Chap 4	SERVICING RECORD		RAF Form 2988B (Revised Jan 85)		
				Aircraft Ser No: Date:				
ENGINE STARTING, TESTING AND STOPPING (MK 7, 7A AND 8B AIRCRAFT)				TRADESMAN		Brief Details of Suspected Defect and SNOW When Applicable		
SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD		Code	MAN HRS 1	INITS & TDM 2	3		MAN HRS 4	INITS & TDM 5
BLOCK 1 PROPULSION NCO								
4. <u>Starting</u> (Contd)								
4.21 Engine. Ensure accelerates to ground idling rev/min. (3000 PLUS OR MINUS 100).								
Note: During item 4.22 JPT may be allowed to peak to a max of 640 Deg. C for a period not exceeding 3 sec.								
4.22 JPT. Ensure does not exceed 525 Deg C.								
4.23 Oil pressure. Ensure indicating. (10 lbf/in.2 minimum).								
BLOCK 2 PROPULSION NCO								
5. <u>Testing</u>								
5.1 Throttle. Set to obtain 4500 rev/min.								
5.2 Generator warning light. Ensure extinguished at between 2750 & 3000 rev/min.								
5.3 Oil pressure. Ensure indicating. (10 lbf/in.2 minimum).								
5.4 Hydraulic pressure. Ensure indicating. (3000 PLUS OR MINUS 150 lbf/in.2 minimum).								
5.5 Hood control. Set to 'CLOSE'.								
5.6 Hood seal. Ensure inflated.								
5.7 Throttle. Set to 'IDLING'.								
SMS/ 118		Continued						

PROPULSION SP 211B (6)	SERVICING PROCEDURES FUNCTIONAL CHECKS AND TESTS HUNTER ALL MARKS	AP101B-1300-5A3B Sect 2 Chap 4	SERVICING RECORD		RAF Form 2988B (Revised Jan 85)			
			Aircraft Ser No: Date:		TRADESMAN		Brief Details of Suspected Defect and SNOW When Applicable	
ENGINE STARTING, TESTING AND STOPPING (MK 7, 7A AND 8B AIRCRAFT)			Code	MAN HRS 1	INITS & TDM 2	MAN HRS 3	INITS & TDM 4	MAN HRS 5
SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD								
BLOCK 1	PROPELLION NCO							
6. <u>Fuel Pump Isolation Check</u>								
6.1 Throttle.	Set to obtain 6000 rev/min.							
6.2 Fuel pump isolating switch.	Set to 'ISOLATED'.							
6.3 Rev/min.	Note increase of 500 Approx.							
6.4 Warning light.	Ensure illuminated.							
6.5 Fuel pump isolating switch.	Set to 'NORMAL'.							
6.6 Rev/min.	Note return to approximate original reading.							
6.7 Throttle.	Set to 'IDLING'.							
BLOCK 2	PROPELLION NCO							
7. <u>Anti-icing Check</u>								
7.1 Throttle.	Set to obtain 7000 rev/min.							
7.2 Anti-icing system.	Set to 'OPEN'.							
7.3 Rev/min.	Note a change.							
7.4 JPT.	Note slight increase.							
7.5 Anti-icing system switch.	Set to 'SHUT'.							
SMS/ 118A								Continued

PROPELLION SP 211B (7)	SERVICING PROCEDURES FUNCTIONAL CHECKS AND TESTS HUNTER ALL MARKS	AP101B-1300-5A3B Sect 2 Chap 4	SERVICING RECORD		RAF Form 2988B (Revised Jan 85)			
			Aircraft Ser No: Date:		TRADESMAN		Brief Details of Suspected Defect and SNOW When Applicable	
ENGINE STARTING, TESTING AND STOPPING (MK 7, 7A AND 8B AIRCRAFT)			Code	MAN HRS 1	INITS & TDM 2	3	MAN HRS 4	INITS & TDM 5
SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD								
BLOCK 1 PROPULSION NCO								
7. <u>Anti-icing Check</u> (Contd)								
7.6	Rev/min.							
7.7	JPT.	) Note return to original reading.						
7.8	Throttle.	Set to 'IDLING'.						
BLOCK 2 PROPULSION NCO								
8. <u>Intake Guide Vane Ram Check</u>								
NB: When temperature compensator is incorporated, the effect of ambient air temperature is to be taken into account. Add 10 rev/min for each degree above 15 degrees C., subtract 10 rev/min for each degree below 15 degrees C.								
8.1	Throttle.	Move slowly from 'IDLING' to fully 'OPEN'.						
8.2	Intake guide vane ram.	Ensure moves from 40° position at 6400 PLUS OR MINUS 100 rev/min.						
8.3	Throttle.	Close slowly to 'IDLING'.						
8.4	Intake guide vane ram.	Ensure moves from minus 4° position at 7550 PLUS OR MINUS 100 rev/min.						
SMS/ <b>119</b>							Continued	

PROPULSION SP 211B (8)	SERVICING PROCEDURES FUNCTIONAL CHECKS AND TESTS HUNTER ALL MARKS	AP101B-1300-5A3B Sect 2 Chap 4	SERVICING RECORD		RAF Form 2988B (Revised Jan 85)			
			Aircraft Ser No: Date:		TRADESMAN		Brief Details of Suspected Defect and SNOW When Applicable	
ENGINE STARTING, TESTING AND STOPPING (MK 7, 7A AND 8B AIRCRAFT)			Code	MAN HRS 1	INITS & TDM 2	3	MAN HRS 4	INITS & TDM 5
SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD								
BLOCK 1 PROPULSION NCO								
9. <u>Bleed Valve Check</u>								
Note 1. Sub Items 9.1 to 9.4 inclusive to be carried out three times during same ground run.								
Note 2. Refer to Fig 1, obtain RPM settings for ambient temperature (Ambient temperature to be recorded as near to engine as possible).								
Note 3. Fully open and fully closed points to be set not less than 150 RPM apart.								
9.1 Throttle. Move slowly from 'IDLING' to fully 'OPEN'.								
9.2 Bleed valves. Ensure closed within limits shown on Fig. 1.								
9.3 Throttle. Close slowly to 'IDLING'.								
9.4 Bleed valves. Ensure open within limits shown in Fig. 1.								
BLOCK 2 PROPULSION NCO								
10. <u>Governed Rev/Min Check</u>								
10.1 Throttle. Move to fully 'OPEN'.								
10.2 Governed rev/min. Check. (8100 PLUS OR MINUS 50).								
10.3 JPT. Check. (580 to 680 degrees C).								
10.4 Throttle. Move to 'IDLING'.								
SMS/ <u>109A</u>							Continued	

PROPELLION SP 211B (9)		SERVICING PROCEDURES FUNCTIONAL CHECKS AND TESTS HUNTER ALL MARKS	AP101B-1300-5A3B Sect 2 Chap 4	SERVICING RECORD		RAF Form 2988B (Revised Jan 85)		
				Aircraft Ser No: Date:				
				TRADESMAN		Brief Details of Suspected Defect and SNOW When Applicable		
				Code	MAN HRS 1	INITS & TDM 2	MAN HRS 4	INITS & TDM 5
SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD								
BLOCK 1	PROPELLION NCO							
11.	<u>Slam Acceleration Check</u>							
11.1	Throttle.	Move rapidly from 'IDLING' to fully 'OPEN'.						
11.2	Rev/min.	Ensure time taken to obtain governed Rev/min is within limits as shown in Fig. 2.						
11.3	Throttle.	(i) Set to obtain 4500 rev/min. (ii) Move rapidly to fully 'OPEN'.						
11.4	Rev/min.	Check time taken to obtain governed rev/min. (Ensure 5 seconds maximum).						
11.5	Throttle.	Move to 'IDLING'.						
BLOCK 2	PROPELLION NCO							
12.	<u>Fuel and Air Dip Check</u>							
12.1	Throttle.	Set to obtain 7800 rev/min.						
12.2	Fuel and air dip test switch. (Radio compartment).	Set to 'TEST'.						
12.3	Air dip bleed valves.	Ensure air flow.						
12.4	Rev/min.	Check for drop. (300 to 450).						

PROPELLION SP 211B (10)		SERVICING PROCEDURES FUNCTIONAL CHECKS AND TESTS HUNTER ALL MARKS	AP101B-1300-5A3B Sect 2 Chap 4	SERVICING RECORD		RAF Form 2988B (Revised Jan 85)		
ENGINE STARTING, TESTING AND STOPPING (MK 7, 7A AND 8B AIRCRAFT)				Aircraft Ser No: Date:				
				TRADESMAN	Brief Details of Suspected Defect and SNOW When Applicable 3		SUPERVISOR	
				Code	MAN HRS 1	INITS & TDM 2	MAN HRS 4	INITS & TDM 5
BLOCK 1	PROPELLION NCO							
12.	<u>Fuel and Air Dip Check</u> (Contd)							
12.5	Fuel and air dip test switch.	Set to 'NORMAL'.						
12.6	Rev/min.	Ensure returns to 7800.						
12.7	Throttle.	Move to 'IDLING'.						
BLOCK 2	PROPELLION NCO							
13.	<u>Top Temperature Control</u>							
13.1	Micro switch. (Nose undercarriage compartment).	Operate and hold.						
13.2	Temperature resistance. (Normal).	Remove from amplifier.						
13.3	Temperature resistance. (600°C).	Fit to amplifier.						
13.4	Top temperature control switch.	Ensure set to 'ON'.						
13.5	Anti-icing system switch.	Ensure set to 'SHUT'.						
13.6	Throttle.	Move to open position.						
13.7	JPT.	Note controlled at 600°C.						
13.8	Throttle.	Move to 'IDLING'.						
13.9	Top temperature control switch.	Set to 'OFF'.						

SMS/ 1208

|Continued

PROPULSION SP 211B(11)	SERVICING PROCEDURES FUNCTIONAL CHECKS AND TESTS HUNTER ALL MARKS	AP101B-1300-5A3B Sect 2 Chap 4	MAINTENANCE RECORD				RAF Form 2988B (Revised Apr 89)	
			Aircraft/Equipment:					
ENGINE STARTING, TESTING AND STOPPING (MK 7, 7A and 8B AIRCRAFT)			Ser No:		Date:			
SAFETY AND MAINTENANCE NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD			Tradesman		Brief details of suspected fault(s) and SNOW(s)		Supervisor	
BLOCK 1	PROPELLION NCO		C o d e	Man Hrs 1	Inits & TDM 2	3	Man Hrs 4	Inits & TDM 5
	13.	<u>Top Temperature Control</u> (Contd)						
	13.10	Throttle.	Move to fully 'OPEN'.					
	13.11	Rev/min.	) Note increase to normal readings.					
	13.12	JPT.	)					
	13.13	Throttle.	Move to 'IDLING'.					
	13.14	Top temperature control switch.	Set to 'ON'.					
	13.15	Temperature resistance. (600°C).	Remove.					
	13.16	Temperature resistance. (Normal).	Refit.					
	13.17	Micro switch. (Nose undercarriage compartment).	Release.					
BLOCK 2	PROPELLION NCO							
	14.	<u>Checks Before Engine Shut-Down</u>						
	14.1	Flaps.	)					
	14.2	Dive brakes.	)	Ensure correct operation.				
	14.3	Fuel transfer.	)					
14.4	Power controls.	Ensure engagement.						
SM 89/1504 (4)			Continued					

PROPELLION  
SP 211B(12)  
Amdt 1

SERVICING PROCEDURES  
FUNCTIONAL CHECKS AND TESTS  
HUNTER ALL MARKS

AP101B-1300-5A3B  
Sect 2  
Chap 4

MAINTENANCE RECORD

RAF Form 2988B  
(Revised Apr 89)

Aircraft/Equipment:

Ser No: Date:

ENGINE STARTING, TESTING AND STOPPING (MK 7, 7A and 8B AIRCRAFT)

SAFETY AND MAINTENANCE NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD

Tradesman		Brief details of suspected fault(s) and SNOW(s)		Supervisor	
C o d e	Man Hrs 1	Init & TDM 2	3	Man Hrs 4	Init & TDM 5

BLOCK 1

PROPELLION NCO

15. Stopping

Set to 'CLOSED'.

15.1 Throttle.

Set to 'OFF' and allow engine rev/min to fall below 1500.

15.2 HP cock.

Ensure illuminated.

15.3 Generator warning light.

) Set to 'OFF'.

15.4 Tank pump switches.

)

15.5 Ignition switch.

)

15.6 Engine master switch.

)

15.7 Battery master switch.

)

15.8 Engine.

Ensure runs down freely (Minimum time 35 secs).

15.9 Manifold drain.

Ensure fuel ejected on engine run down.

15.10 LP fuel cock.

Set to 'OFF'.

BLOCK 2

PROPELLION

16. Completion

16.1 Air intake safety guards.

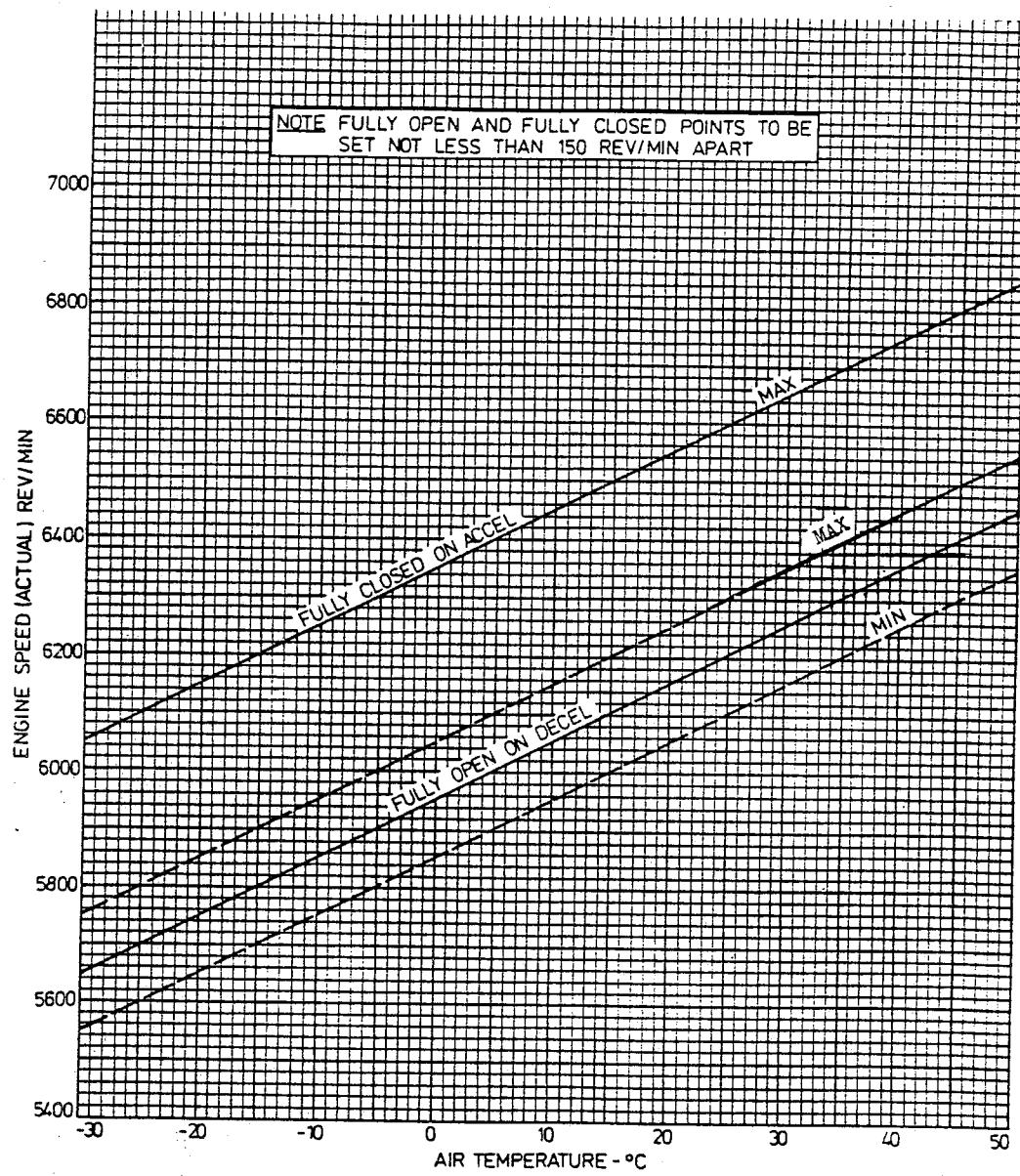
Remove.

16.2 Air intake blanks.

Refit.

SM 89/1504 (4A)





Air bleed valve setting curve — Mk. 121 and 122

SMS/ 103

FIG. 1

SMS 53D

HUN/5A3B/1.209

Continued

PROPELLION  
SP 211B (15)

SERVICING PROCEDURES  
FUNCTIONAL CHECKS AND TESTS  
HUNTER ALL MARKS

AP101B-1300-5A3B  
Sect 2  
Chap 4

ACCELERATION TIME - Seconds

12  
11  
10  
9  
8  
7  
6  
5

-20 -10 0 10 20 30 40

AIR TEMPERATURE - Deg C

ACCELERATION SETTING CURVES - MK 122 AVON ENGINE

MAX

MIN

FIG. 2

SMS/ 

Continued

SMS 530

HUN/5A3B/1.343

PROPELLION SP 212 (1) (1 to 3)		SERVICING PROCEDURES FUNCTIONAL CHECKS AND TESTS HUNTER ALL MARKS		AP101B-1300-5A3B Sect 2 Chap 4	SERVICING RECORD RAF Form 2988B (Revised Jan 85)				
					Aircraft Ser No: Date:				
FUEL TANK TRANSFER AND ENGINE FEED PIPELINES TEST						TRADESMAN	Brief Details of Suspected Defect and SNOW When Applicable	SUPERVISOR	
									MAN HRS 1
TRADE Prop	M/HRS	TRADE	M/HRS	ASSOCIATED PROCEDURE CARDS		Code			
Special Tools and Equipment:									
Bung, Pt No.A207899. Blanking Covers, Pt No.A207818, Qty 2. Adapters, Pt No.A195020, Qty 2. Pressure Gauges, Qty 4. Bung, Pt No.A207563. Pressure Test Control Box, Pt No.B207700. Adapter 211191.									
BLOCK 1		PROPELLION							
1. <u>Preparation</u>									
1.1 Fuel system.		Replenish. (5A2 Sect 2).							
1.2 Forward tank vent pipe.		(i) Remove extension. (ii) Fit bung. (Pt No.A207899).							
1.3 Refuelling pressure relief valves.		Fit blanking covers. (Pt No.A207818).							
1.4 Forward tank relief valves.		(i) Fit adapters. (Pt No.A195020). (ii) Fit pressure gauges.							
1.5 Spine fairing.		Remove.							
SMS/ 						Continued			

PROPELLION SP 212 (2)	SERVICING PROCEDURES FUNCTIONAL CHECKS AND TESTS HUNTER ALL MARKS	AP101B-1300-5A3B Sect 2 Chap 4	SERVICING RECORD				RAF Form 2988B (Revised Jan 85)	
			Aircraft Ser No: Date:					
<u>FUEL TANK TRANSFER AND ENGINE FEED PIPELINES TEST</u>			TRADESMAN		Brief Details of Suspected Defect and SNOW When Applicable		SUPERVISOR	
			Code	MAN HRS 1	INITS & TDM 2	3	MAN HRS 4	INITS & TDM 5
SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD								
BLOCK 1 PROPULSION								
1. <u>Preparation</u> (Contd) 1.6 Rear tank relief valve pipes. Fit pressure gauges. 1.7 Rear tank vent pipe. Fit bung. (Pt No.A207563). 1.8 Ground pressure test connection. (Spine). Fit adapter. (Pt No.A211191). 1.9 Pressure test control box. (i) Connect to rear tank vent pipe bung. (ii) Connect to ground pressure test connection adapter. (iii) Connect to external air supply trolley.								
BLOCK 2 PROPULSION								
2. <u>Testing</u> 2.1 Fuel tank transfer and engine feed pipelines. (i) Pressurize. (13 to 13 1/2 1bf/in <sup>2</sup> ). (ii) Shut off air supply. (iii) Ensure pressure maintained for a period of 10 minutes.								
SMS/ 185A							Continued	

PROPELLION SP 212 (3)		SERVICING PROCEDURES FUNCTIONAL CHECKS AND TESTS HUNTER ALL MARKS	AP101B-1300-5A3B Sect 2 Chap 4	SERVICING RECORD		RAF Form 2988B (Revised Jan 85)		
				Aircraft Ser No: Date:				
				TRADESMAN		Brief Details of Suspected Defect and SNOW When Applicable		
				Code	MAN HRS 1	INITS & TDM 2	MAN HRS 4	INITS & TDM 5
BLOCK 1	PROPELLION							
1. <u>Completion</u>								
3.1 Pressure test control box.	(i) Disconnect from external air supply trolley. (ii) Disconnect from ground pressure test connection adapter. (iii) Disconnect from rear tank vent pipe bung.							
3.2 Ground pressure test connection.	Remove adapter.							
3.3 Rear tank vent pipe.	Remove bung.							
3.4 Rear tank relief valve pipes.	Remove pressure gauges.							
3.5 Spine fairing.	Refit.							
3.6 Forward tank relief valves.	(i) Remove pressure gauges. (ii) Remove adapters.							
3.7 Refuelling pressure relief valves.	Remove blanking covers.							
3.8 Forward tank vent pipes.	(i) Remove bung. (ii) Refit extension.							

SMS/ 126

PROPELLION SP 213 (1) (1 to 2)				SERVICING PROCEDURES FUNCTIONAL CHECKS AND TESTS HUNTER ALL MARKS		AP101B-1300-5A3B Sect 2 Chap 4	SERVICING RECORD RAF Form 2988B (Revised Jan 85)						
FUEL SYSTEM AIR SUPPLY PIPELINES LEAK TEST				Aircraft Ser No: Date:				TRADESMAN		Brief Details of Suspected Defect and SNOW When Applicable		SUPERVISOR	
SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD				MAN HRS 1	INITS & TDM 2			MAN HRS 4	INITS & TDM 5				
TRADE Prop	M/HRS	TRADE	M/HRS	ASSOCIATED PROCEDURE CARDS		Code							
<u>Special Tools and Equipment:</u>													
Adapter, Pt No.A208035. Pressure Gauges, (2 off).													
BLOCK 1				PROPELLION									
1. <u>Preparation</u>													
1.1 Tank vent pipes.		Ensure clear.											
1.2 Pressure gauges.		Fit to rear tank ground test connections.											
BLOCK 2				PROPELLION									
2. <u>Testing</u>													
2.1 Adapter. (Pt No.A208035).		(i) Fit to spine air connection. (ii) Apply air pressure at 120 lbf/in <sup>2</sup> .											
2.2 Fuel system air supply pipelines.		Ensure not leaking.											
2.3 Pressure gauges.		Check pressure indicated. (6 lbf/in <sup>2</sup> maximum).											
SMS/ <b>121</b>												Continued	

PROPELLION SP 213 (2)		SERVICING PROCEDURES FUNCTIONAL CHECKS AND TESTS HUNTER ALL MARKS		AP101B-1300-5A3B Sect 2 Chap 4	SERVICING RECORD Aircraft Ser No: Date:		RAF Form 2988B (Revised Jan 85)			
FUEL SYSTEM AIR SUPPLY PIPELINES LEAK TEST					TRADESMAN		Brief Details of Suspected Defect and SNOW When Applicable		SUPERVISOR	
SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD					Code	MAN HRS 1	INITS & TDM 2	3	MAN HRS 4	INITS & TDM 5
BLOCK 1		PROPELLION								
3. <u>Completion</u>										
3.1 Adapter.		Remove.								
3.2 Pressure gauges.		Remove.								
SMS/ 127A										

PROPELLION SP 218 (1) (1 to 4)				SERVICING PROCEDURES FUNCTIONAL CHECKS AND TESTS HUNTER ALL MARKS		AP101B-1300-5A3B Sect 2 Chap 4	SERVICING RECORD Aircraft Ser No: Date:			RAF Form 2988B (Revised Jan 85)		
FUEL FLOW TEST							TRADESMAN		Brief Details of Suspected Defect and SNOW When Applicable		SUPERVISOR	
							MAN HRS 1	INITS & TDM 2	3	MAN HRS 4	INITS & TDM 5	
TRADE Prop	M/HRS	TRADE	M/HRS	ASSOCIATED PROCEDURE CARDS		Code						
Special Tools and Equipment:												
Locally Manufactured Hose Assembly.												
Locally Manufactured Calibrated Fuel Container (Minimum Capacity 10 Gallons).												
BLOCK 1				PROPELLION								
1. <u>Preparation</u>												
1.1 Front fuselage fuel tanks.				Ensure a minimum of 650 lbs of fuel in each.								
1.2 Battery master switch.				Set to 'OFF'.								
1.3 LP fuel cock.				Set to 'OFF'.								
1.4 Engine master switch.				Set to 'OFF'.								
BLOCK 2				PROPELLION								
NB: This block is applicable only to MK 7, 7A and 8B aircraft.												
2. <u>Preparation</u>												
2.1 Fuel delivery pipe. (Pt No.C18805/10).				(i) Disconnect at flexible couplings. (ii) Remove.								
SMS/ 128												Continued

PROPELLION SP 218 (2)	SERVICING PROCEDURES FUNCTIONAL CHECKS AND TESTS HUNTER ALL MARKS	AP101B-1300-5A3B Sect 2 Chap 4	SERVICING RECORD				RAF Form 2988B (Revised Jan 85)		
			Aircraft Ser No: Date:				TRADESMAN		Brief Details of Suspected Defect and SNOW When Applicable
FUEL FLOW TEST			Code	MAN HRS 1	INITS & TDM 2			MAN HRS 4	INITS & TDM 5
SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD									
BLOCK 1		PROPELLION							
2. <u>Preparation</u> (Contd)									
2.1 Fuel delivery pipe. (Pt No.C18805/10/) (Contd)		(iii) Fit locally manufactured pipe assembly to fuel pipe assembly (Pt No.A212114). (iv) Position locally manufactured calibrated container.							
BLOCK 2		PROPELLION							
This block is applicable only to Mk 7, 7A and 8B aircraft.									
3. <u>Test</u>									
3.1 Battery master switch.		Set to 'ON'.							
3.2 Engine master switch.		Set to 'ON'.							
3.3 Port fuel pump.		Set to 'ON'.							
NOTE: Ensure that the locally manufactured hose assembly and calibrated container is in position.									
3.4 LP Cock.		(i) Open for 5 seconds. (ii) Close. (iii) Check that the minimum quantity of fuel discharged into the calibrated container is 3.125 gallons.							
3.5 Port fuel pump.		Set to 'OFF'.							
SMS/ 108 A									
									Continued

PROPELLION SP 218 (3)	SERVICING PROCEDURES FUNCTIONAL CHECKS AND TESTS HUNTER ALL MARKS	AP101B-1300-5A3B Sect 2 Chap 4	SERVICING RECORD		RAF Form 2988B (Revised Jan 85)			
			Aircraft Ser No: Date:		TRADESMAN		Brief Details of Suspected Defect and SNOW When Applicable	
FUEL FLOW TEST		Code	MAN HRS 1	INITS & TDM 2	3	MAN HRS 4	INITS & TDM 5	
SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD								
BLOCK 1 PROPULSION								
This block is applicable only to Mk 7, 7A and 8B aircraft.								
3. <u>Test</u> (Contd)								
3.6	Starboard fuel pump.	Set to 'ON'.						
3.7	LP cock.	(i) Open for 5 seconds. (ii) Close. (iii) Check the minimum quantity of fuel discharged into the calibrated container is 3.125 gallons.						
3.8	Starboard fuel pump.	Set to 'OFF'.						
3.9	Engine master switch.	Set to 'OFF'.						
3.10	Battery master switch.	Set to 'OFF'.						
BLOCK 2 PROPULSION								
This block is applicable only to Mk 7, 7A and 8B aircraft.								
4. <u>Completion</u>								
4.1	Locally manufactured hose assembly.	Remove.						
4.2	Fuel delivery pipe. (Pt No.18805/10).	Refit.						
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SMS/ 

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