List of Contents

ELECTRICAL SP 191 (1) (1 to 2)	SERVICING PROCEDURES FUNCTIONAL CHECKS AND TESTS HUNTER ALL MARKS	AP101B-1300-5A3B Sect 2 Chap 3	SERVICING RECORD Aircraft Ser No: Date:	RAF Form 2988B (Revised Jan 85)

BONDING - CHECK

NB: This SP is to be carried out by an Electrical Technician.

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

TRADE Elect	M/HRS	TRADE	M/HRS	ASSOCIATED PROCEDURE CARDS	Code	TRADESMAN MAN HRS 1	TRADESMAN INITS & TDM 2	Brief Details of Suspected Defect and SNOW When Applicable 3	SUPERVISOR MAN HRS 4	SUPERVISOR INITS & TDM 5

Special Tools and Equipment:

Bridge Set Resistance Type 7383 (10S/9532597) (See NB1).
Fairey Safety Ohmmeter Mk 6 (5G/9018429)
OR (See NB2)
Fairey Safety Ohmmeter Mk 7 (5G/0149532)

NB1: Under no circumstances is the Bridge Set Resistance Type 7383 (10S/9532597) to be used for bonding checks in an explosive environment.

NB2: When performing bonding checks in explosive environments, eg fuel tanks, only the Safety Ohmmeter Mk 6 (5G9018429) or Mk 7 (5G/0149532) are permissible for use. Insulated crocodile clips Red (10H/9554769) and Black (10H/9554768) are to be used for terminating the test lead.

BLOCK 1 ELECTRICAL

1. Preparation

1.1	External power supply.	(i)	Ensure switched off.
1.2	Batteries.	(ii)	Disconnect.

BLOCK 2 ELECTRICAL

2. Bonding (Part 1)

2.1	Wing tip to wing tip.	Check bonding. (Maximum 0.1 ohm).
2.2	Nose to tail.	
2.3	Main battery earth point to servicing earth points.	

SMS/ 74

Continued

SERVICING RECORD

RAF Form 2988B
(Revised Jan 85)

Aircraft Ser No:
Date:

BONDING - CHECK

SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD	Code	TRADESMAN MAN HRS 1	TRADESMAN INITS & TDM 2	Brief Details of Suspected Defect and SNOW When Applicable 3	SUPERVISOR MAN HRS 4	SUPERVISOR INITS & TDM 5
BLOCK 1 ELECTRICAL 3. Bonding (Part 2) 3.1 Electrical instrument and radio control, distribution and guidance systems, panels and boxes. 3.2 Screened cables and connectors. Check from main battery earth point. (Maximum 0.1 ohm). 3.3 Metal pipelines flexible hoses and couplings. 3.4 Aerial mountings and brackets. (UHF, VHF and Centimetric bands).						
BLOCK 2 ELECTRICAL 4. Bonding (Part 3) 4.1 Metal doors, panels and metal parts which are joined to the aircraft structure by electrically non-conductive processes. (Bonding strips are to be fitted). Check from main battery earth point. (Maximum 4.5 ohms).						

SMS/ 74A

SERVICING RECORD

RAF Form 2988B
(Revised Jan 85)

Aircraft Ser No:
Date:

GENERATOR CONTROL SYSTEM

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

TRADE Elect Prop	M/HRS	TRADE	M/HRS	ASSOCIATED PROCEDURE CARDS	Code	TRADESMAN MAN HRS 1	TRADESMAN INITS & TDM 2	Brief Details of Suspected Defect and SNOW When Applicable 3	SUPERVISOR MAN HRS 4	SUPERVISOR INITS & TDM 5

Special Tools and Equipment:

Multimeter, Type 12889 5QP/17447.

BLOCK 1 PROPULSION

1. General

1.1 Engine. Run at cruising RPM.

BLOCK 2 ELECTRICAL

2. Generator Output Check

2.1 No 1 generator reset switch. Set to 'RESET'.

2.2 Testmeter.
(i) Connect to No 1 volts test socket.
(ii) Ensure voltage is 28V, if not adjust by means of remote trimmers.
(iii) Remove.

2.3 No 1 generator reset switch. Set to 'NORMAL'.

2.4 No 2 generator system. Repeat Sub-items 2.1 to 2.3 inclusive.

SERVICING RECORD

RAF Form 2988B
(Revised Jan 85)

Aircraft Ser No:
Date:

GENERATOR CONTROL SYSTEM

SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD			Code	TRADESMAN MAN HRS 1	TRADESMAN INITS & TDM 2	Brief Details of Suspected Defect and SNOW When Applicable 3	SUPERVISOR MAN HRS 4	SUPERVISOR INITS & TDM 5
BLOCK 1	PROPULSION							
3.	General							
3.1	Engine.	Run at maximum RPM.						
BLOCK 2	ELECTRICAL							
4.	Generator Output Check							
4.1	No 1 generator reset switch.	Set to 'RESET'.						
4.2	Testmeter.	(i) Connect to No 1 volts test socket. (ii) Ensure voltage is 28V PLUS 0.5, MINUS zero volts, if NOT, adjust by remote trimmer and repeat sequence in block 3, sub-item 3.1. (iii) Disconnect.						
4.3	No 1 generator reset switch.	Set to 'NORMAL'.						
BLOCK 3	ELECTRICAL							
5.	Generator Output Check							
5.1	No 2 generator system.	Repeat Sub-items 4.1 to 4.3 inclusive.						

SMS/ 75A

Continued

SERVICING RECORD

RAF Form 2988B
(Revised Jan 85)

Aircraft Ser No:
Date:

GENERATOR CONTROL SYSTEM

SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD	Code	TRADESMAN MAN HRS 1	TRADESMAN INITS & TDM 2	Brief Details of Suspected Defect and SNOW When Applicable 3	SUPERVISOR MAN HRS 4	SUPERVISOR INITS & TDM 5
BLOCK 1 ELECTRICAL						
6. Completion						
6.1 No 1 and No 2 generator reset switches. — Set to 'NORMAL'.						
6.2 Ammeters. — (i) Connect to ammeter test sockets. (ii) Ensure that the load current difference of No 1 and No 2 Generators does not exceed 10 amp. Where the load current exceeds 10 amps, adjust by means of remote trimmers, ensuring that the voltage limits quoted in sub-item 4.2 (ii) are maintained.						
BLOCK 2 PROPULSION						
7. Completion						
7.1 Engine. — Shut down.						
BLOCK 3 ELECTRICAL						
8. Completion						
8.1 Ammeters. — (i) Ensure reverse current is between 15 and 25 amps. (ii) Remove.						
8.2 Generator failure warning lights.) 8.3 Power failure warning indicator.) — Ensure correct indications during engine run up and run down.						

SMS/ 76

MAINTENANCE RECORD — RAF Form 2988B (Revised Apr 89)

Aircraft/Equipment:

Ser No: | Date:

FUEL CONTENTS ZERO CHECK

NB: This Procedure is applicable only to Mk 7, 7A and 8B Aircraft.

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

TRADE	M/HRS	TRADE	M/HRS	ASSOCIATED PROCEDURE CARDS	Code
Elect Prop					

Special Tools and Equipment:

Nil.

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		ELECTRICAL	
1.	**Preparation**		
1.1	External power supply.	(i)	Connect.
		(ii)	Switch on.
1.2	Amplifiers.	(i)	Switch on.
		(ii)	Allow 5 minute warm up period.
BLOCK 2		PROPULSION	
2.	**Preparation**		
2.1	Tanks.		Replenish.
2.2	Pressurizing rig.		Connect at spine.
2.3	Aircraft fuel system.		Pressurize and maintain at normal working pressure.
2.4	Tanks.		Defuel till gauges indicate approximately 800 lbs.

Continued

ELECTRICAL SP 193B(2)	SERVICING PROCEDURES FUNCTIONAL CHECKS AND TESTS HUNTER ALL MARKS	AP101B-1300-5A3B Sect 2 Chap 3	MAINTENANCE RECORD	RAF Form 2988B (Revised Apr 89)
FUEL CONTENTS ZERO CHECK			Aircraft/Equipment:	
			Ser No:	Date:

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

			Code	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		ELECTRICAL						
3.	Fuel System							
3.1	Engine master start switch.	Set to 'ON'.						
3.2	Port fuel booster pump.	Set to 'ON' and ensure Port fuel gauge indicates on increased rate of flow.						
BLOCK 2		PROPULSION						
4.	Fuel System							
4.1	Tanks.	Defuel to unusable fuel level.						
BLOCK 3		ELECTRICAL						
5.	Fuel System							
5.1	Trim SUM trimmers (Cable boxes JX12 and JX14).	Adjust until gauge indicates zero.						
BLOCK 4		PROPULSION						
6.	General							
6.1	Aircraft fuel system.	Cease pressurizing.						
6.2	Centre and wing tanks.	Depressurize.						

Continued

MAINTENANCE RECORD — RAF Form 2988L (Revised Apr 89)

Aircraft/Equipment:

Ser No: | Date:

FUEL CONTENTS ZERO CHECK

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

			Code	Tradesman Man Hrs 1	Tradesman Inits & TDM 2	Brief details of suspected fault(s) and SNOW(s) 3	Supervisor Man Hrs 4	Supervisor Inits & TDM 5
BLOCK 1		ELECTRICAL						
7.	Fuel System							
7.1	Centre and wing c/o trimmers. (Cable boxes JX13 and JX15).	Adjust until gauge indicates zero.						
BLOCK 2		PROPULSION						
8.	General							
8.1	Internal tanks.	Replenish.						
8.2	Aircraft fuel system.	Pressurize and maintain at normal working pressure.						
BLOCK 3		ELECTRICAL						
9.	General							
9.1	Gauges.	Ensure indicating 'FULL'.						
BLOCK 4		PROPULSION						
NB:	Items 10 and 11 are to be carried out simultaneously.							
10.	Fuel System							
10.1	Internal tanks.	Defuel to unusable fuel level.						

Continued

MAINTENANCE RECORD — RAF Form 2988B (Revised Apr 89)

Aircraft/Equipment:

Ser No: | Date:

FUEL CONTENTS ZERO CHECK

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

			Code	Tradesman Man Hrs 1	Tradesman Inits & TDM 2	Brief details of suspected fault(s) and SNOW(s) 3	Supervisor Man Hrs 4	Supervisor Inits & TDM 5
BLOCK 1	ELECTRICAL							
11.	General							
11.1	Gauges.	(i) During defuel ensure indication throughout range is smooth. (ii) Ensure indicate zero when defuel complete.						
BLOCK 2	PROPULSION							
12.	General							
12.1	Internal tanks.	Replenish.						
12.2	Pressurizing rig.	(i) Depressurize. (ii) Disconnect.						
BLOCK 3	ELECTRICAL							
13.	General							
13.1	Gauges.	Ensure indicating 'FULL'.						
13.2	External power supply.	(i) Switch off. (ii) Disconnect.						

ELECTRICAL SP 195 (1) (1 to 3)	SERVICING PROCEDURES FUNCTIONAL CHECKS AND TESTS HUNTER ALL MARKS	AP101B-1300-5A3B Sect 2 Chap 3	SERVICING RECORD Aircraft Ser No: Date:	RAF Form 2988B (Revised Jan 85)

PITOT/STATIC SYSTEM SENSE CHECK AND LEAK TEST

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

TRADE Elect	M/HRS	TRADE	M/HRS	ASSOCIATED PROCEDURE CARDS	Code	TRADESMAN MAN HRS 1	TRADESMAN INITS & TDM 2	Brief Details of Suspected Defect and SNOW When Applicable 3	SUPERVISOR MAN HRS 4	SUPERVISOR INITS & TDM 5

Special Tools and Equipment:

Nil.

BLOCK 1 ELECTRICAL

1. Preparation

1.1	Pitot/Static leak tester c/w adapter.	Connect to pitot connector and to pressure head, ensuring static slots are left uncovered.
1.2	Selector valve.	Set to 'PRESSURE TO PITOT'.
1.3	Pump.	Apply pressure to 130 knots.

BLOCK 2 ELECTRICAL

2. Sense Check

2.1	Airspeed indicator.	Ensure pointer indicates positive reading.
2.2	Altimeter.	Ensure pointer remains at zero.
2.3	Rate of climb indicator.	
2.4	Selector valve.	Set to 'RELEASE'.

SMS/ 79

Continued

SERVICING RECORD

RAF Form 2988B
(Revised Jan 85)

Aircraft Ser No:
Date:

PITOT/STATIC SYSTEM SENSE CHECK AND LEAK TEST

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 3	SUPERVISOR	
				MAN HRS 1	INITS & TDM 2		MAN HRS 4	INITS & TDM 5
BLOCK 1	ELECTRICAL							
3.	Sense Check							
3.1	External power supply.	(i) Connect. (ii) Switch 'ON'.						
3.2	Engine master switch.	Set to 'ON'.						
3.3	Pitot/Static leak tester c/w adapter.	Connect to static connector and to pressure head, ensuring static slots are covered.						
3.4	Selector valve.	Set to 'SUCTION TO STATIC'.						
3.5	Pump.	Apply suction to 130 knots.						
3.6	Altimeters.	Ensure pointers indicate positive reading.						
3.7	Rate of climb indicator.	Ensure indicates 'UP' whilst suction is applied.						
BLOCK 2	ELECTRICAL							
4.	Leak Test							
4.1	Leak test indicator.	Ensure time of fall from 130 knots to 125 knots exceeds 3 minutes.						

SMS/ 79A

Continued

SERVICING RECORD

RAF Form 2988B
(Revised Jan 85)

Aircraft Ser No:
Date:

PITOT/STATIC SYSTEM SENSE CHECK AND LEAK TEST

SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD	Code	TRADESMAN MAN HRS 1	TRADESMAN INITS & TDM 2	Brief Details of Suspected Defect and SNOW When Applicable 3	SUPERVISOR MAN HRS 4	SUPERVISOR INITS & TDM 5
BLOCK 1 ELECTRICAL						
5. General						
5.1 Selector valve. Set to 'RELEASE'.						
5.2 Leak tester. (i) Disconnect. (ii) Remove.						
5.3 Engine master switch. Set to 'OFF'.						
5.4 External power supply. (i) Switch 'OFF'. (ii) Disconnect.						

SMS/ 8 C)

ELECTRICAL SP 196 (1) (1 to 2)	SERVICING PROCEDURES FUNCTIONAL CHECKS AND TESTS HUNTER ALL MARKS	AP101B-1300-5A3B Sect 2 Chap 3	SERVICING RECORD Aircraft Ser No: Date:	RAF Form 2988B (Revised Jan 85)

STANDBY ARTIFICIAL HORIZON

NB: This Procedure is applicable only to Mk 7A and 8B Aircraft.

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

TRADE Elect	M/HRS	TRADE	M/HRS	ASSOCIATED PROCEDURE CARDS	Code	TRADESMAN MAN HRS 1	TRADESMAN INITS & TDM 2	Brief Details of Suspected Defect and SNOW When Applicable 3	SUPERVISOR MAN HRS 4	SUPERVISOR INITS & TDM 5

Special Tools and Equipment:

Nil.

BLOCK 1 ELECTRICAL

1. Preparation

1.1	External power supplies.	(i) Connect. (ii) Switch on.
1.2	Battery master switch.	Set to 'OFF'.
1.3	Engine master switch.	Set to 'ON'.

BLOCK 2 ELECTRICAL

2. Testing

2.1	Power failure warning indicator.	Ensure clear.
2.2	Bank pointer.	Ensure stationary.
2.3	Bank pointer and horizon bar.	(i) Ensure that after 4 seconds the bank pointer and horizon bar erect rapidly towards zero datum positions. (ii) Ensure that after 20 seconds the horizon bar and bank pointer indicate aircraft attitude, PLUS OR MINUS 1 degree with no oscillation.

SMS/ 81

Continued

SERVICING RECORD

RAF Form 2988B
(Revised Jan 85)

Aircraft Ser No:
Date:

STANDBY ARTIFICIAL HORIZON

SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD	Code	TRADESMAN MAN HRS 1	TRADESMAN INITS & TDM 2	Brief Details of Suspected Defect and SNOW When Applicable 3	SUPERVISOR MAN HRS 4	SUPERVISOR INITS & TDM 5
BLOCK 1 ELECTRICAL						
2. Testing (Contd)						
2.4 Engine master switch. Set to 'OFF'.						
NB: During Sub-item 2.5 if any wander is apparent, erect using the fast erection button.						
2.5 Standby artificial horizon. Ensure running with no oscillation of indicator for a period of 5 minutes.						
2.6 Normal/Emergency switch. Set to 'EMERGENCY'.						
2.7 External power supplies. Switch off.						
NB: During Sub-item 2.8 if any wander is apparent, erect using the fast erection button.						
2.8 Standby artificial horizon. Ensure running with no oscillation of indicator for a period of 5 minutes.						
2.9 Normal/Emergency switch. (i) Set to 'NORMAL'. (ii) Lock using 26 SWG copper wire.						
BLOCK 2 ELECTRICAL						
3. Completion						
3.1 External power supplies. (i) Switch off. (ii) Disconnect.						

SMS/ 816

This Procedure is applicable only to Mk6, 6A and 9 Aircraft.

Flight Instruments Supplies and Change-over System (Post Mod 375)

TRADE	M/HRS	ASSOCIATED PROCEDURE CARDS	TIME	
EL			ELAPSED	M/HRS
			0.5	
		Safety and Servicing Notes are to be complied with throughout the work detailed on this card.		

Special Tools and Equipment

Frequency Meter, 5Q/154.
Voltmeter, 0 - 150V a.c., 5Q/25256.

BLOCK 1 ELECTRICAL

1. Preparation

1.1	Battery master switch.	Set to 'OFF'.
1.2	External d.c. power supply.	(i) Connect. (ii) Switch on.
1.3	A.c. junction box cover.	Remove.

BLOCK 2 ELECTRICAL

2. No. 2 Inverter Check

2.1	Engine master switch.	Set to 'ON'.
2.2	Change-over indicator.	Ensure White.
2.3	No.2 inverter.	Ensure running.
2.4	A.c. bus-bars.	(i) Check voltage is between 115 and 120V. (ii) Check frequency is between 390 and 400 Hz.

BLOCK 3 ELECTRICAL

3. No.1 Inverter Check

3.1	Test switch.	Operate and hold on.
3.2	No.2 inverter.	Ensure stops.

Continued overleaf

PF 1 (New format)

Flight Instruments Supplies and Change-over System (Post Mod 375)

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

BLOCK 1 ELECTRICAL

3.	No.1 Inverter Check (Contd)	
3.3	No.1 inverter.	Ensure running.
3.4	Change-over indicator.	Ensure Black.
3.5	A.c. bus-bars.	(i) Check voltage is between 115 and 120V. (ii) Check frequency is between 390 and 400 Hz.

BLOCK 2 ELECTRICAL

Item 4 is only applicable to Aircraft Pre-MOD 1320.

4.	Change-over Check	
4.1	Inverter selector switch.	Set to 'STANDBY'.
4.2	No.1 inverter.	Ensure stops.
4.3	No.2 inverter.	Ensure running.
4.4	Inverter selector switch.	Set to 'NORMAL'.
4.5	No.2 inverter.	Ensure stops.
4.6	No.1 inverter.	Ensure running.
4.7	Radar ranging switch.	Set to 'ON'.
4.8	No.2 inverter.	Ensure running.
4.9	Radar indicator.	Ensure White.
4.10	Inverter selector switch.	Set to 'STANDBY'.
4.11	No.1 inverter.	Ensure stops.
4.12	Change-over indicator.	Ensure White.
4.13	Radar indicator.	Ensure Black.

P.F. 1B & 2B

Continued

Flight Instruments Supplies and Change-over System (Post Mod 375)

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

BLOCK 1 — ELECTRICAL

4.	Change-over Check (Contd)	
4.14	Inverter selector switch.	Set to 'NORMAL'.
4.15	No.1 inverter.	Ensure running.
4.16	Radar indicator.	Ensure White.
4.17	No.1 inverter circuit-breaker.	Trip.
4.18	Change-over indicator.	Ensure White.
4.19	Radar indicator.	Ensure Black.
4.20	No.1 inverter circuit-breaker.	Reset.
4.21	No.1 inverter.	Ensure stops.
4.22	Inverter selector. switch.	Set to 'STANDBY' momentarily and then back to 'NORMAL'.
4.23	No.1 inverter.	Ensure running.
4.24	Radar indicator.	Ensure White.
4.25	No.2 inverter circuit-breaker.	Trip.
4.26	No.2 inverter.	Ensure stops.
4.27	Radar indicator	Ensure Black.
4.28	No.2 inverter circuit-breaker.	Reset.
4.29	No.2 inverter.	Ensure running.
4.30	Radar indicator.	Ensure White.
4.31	Test switch.	Release to 'NORMAL'.
4.32	No.1 inverter.	Ensure stops.

PF 2

Continued overleaf

Flight Instruments Supplies and Change-over System (Post Mod 375)

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

BLOCK 1 ELECTRICAL

Item 5 is only applicable to Aircraft Post MOD 1320.

5.	Change-over Check	
5.1	Inverter selector switch.	Set to 'STANDBY'.
5.2	No.1 inverter.	Ensure stops.
5.3	No.2 inverter.	Ensure running.
5.4	Change-over indicator.	Ensure White.
5.5	Inverter selector switch.	Set to 'NORMAL'.
5.6	No.2 inverter.	Ensure stops.
5.7	No.1 inverter.	Ensure running.
5.8	Change-over indicator.	Ensure Black.
5.9	No.1 inverter circuit-breaker.	Trip.
5.10	No.1 inverter.	Ensure stops.
5.11	No.2 inverter.	Ensure running.
5.12	Change-over indicator.	Ensure White.
5.13	No.1 inverter circuit-breaker.	Reset.
5.14	Inverter selector switch.	Set to 'STANDBY' momentarily and then back to 'NORMAL'.
5.15	No.1 inverter.	Ensure running.
5.16	No.2 inverter.	Ensure stops.
5.17	Change-over indicator.	Ensure Black.

P.F. 1B & 2B

Continued

Flight Instruments Supplies and Change-over System (Post Mod 375)

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

BLOCK 1		ELECTRICAL
6.	General	
6.1	All switches.	Set to 'OFF'.
6.2	A.c. junction box cover.	Refit.
6.3	External d.c. power supply.	(i) Switch off. (ii) Disconnect.

SMS/208

This Procedure is applicable only to Mk6, 6A and 9 Aircraft.

Flight Instrument Supplies and Change-over System (Pre Mod 375 Post Com/Mod/4)

TRADE	M/HRS	ASSOCIATED PROCEDURE CARDS	TIME	
EL			ELAPSED	M/HRS
			0.5	
		Safety and Servicing Notes are to be complied with throughout the work detailed on this card.		

Special Tools and Equipment

Frequency Meter 5Q/154.
Voltmeter 0-150 V.A.C. 5Q/25256.
Local Manufactured Test Box. Fig 1 refers.

BLOCK 1 ELECTRICAL

1. Preparation

1.1	Battery Master Switch.	Set to 'OFF'.
1.2	A.C. Junction Box.	Disconnect Artificial Horizon Plug GREY from socket on A.C.J.B.
1.3	Test Box.	(i) Connect Test Lead Plug to GREY Socket on A.C.J.B. (ii) Connect GREY Plug from Artificial Horizon to Socket from Test Box.
1.4	External D.C. Power Supply.	(i) Connect to aircraft. (ii) Switch 'ON'.

BLOCK 2 ELECTRICAL

2. No.2 Inverter Check

2.1	Change-over indicator.	Ensure white.
2.2	Engine Master switch.	Set to 'ON'.
2.3	No.2 inverter.	Ensure running.
2.4	Change-over indicator.	Ensure white.
2.5	Test box.	(i) Check voltage is between 115 and 120 volts across all three phases. (ii) Check frequency is between 390 and 400 Hz.

Continued overleaf

PF 1 (New format)

Flight Instrument Supplies and Change-over System (Pre Mod 375 Post Com/Mod/4)

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

BLOCK 1		ELECTRICAL	
3.	No.1 Inverter Check		
3.1	Radar Test switch.	Set to 'TEST'.	
3.2	No.2 inverter.	Ensure stops.	
3.3	No.1 inverter.	Ensure running.	
3.4	Changeover indicator.	Ensure black.	
3.5	Test box.	(i) Check voltage is between 115 and 120 volts across all three phases. (ii) Check frequency is between 390 and 400 Hz.	

BLOCK 2		ELECTRICAL	
4.	Changeover Check		
4.1	Radar ranging switch.	Set to 'ON'.	
4.2	No.2 and 1 inverters.	Ensure running.	
4.3	Radar supply indicator.	Ensure white.	
4.4	No.2 inverter circuit-breaker.	Trip.	
4.5	No.2 inverter.	Ensure stops.	
4.6	Radar supply indicator.	Ensure black.	
4.7	Inverter changeover indicator.	Ensure black.	
4.8	No.2 inverter circuit-breaker.	Reset.	
4.9	No.2 inverter.	Ensure running.	
4.10	Radar supply indicator.	Ensure white.	

F.F. 1B & 2B

Continued

Flight Instrument Supplies and Change-over System (Pre Mod 375 Post Com/Mod/4)

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

BLOCK 1 ELECTRICAL

4. Changeover Check (Contd)

4.11	No.1 inverter circuit-breaker.	Trip.
4.12	No.1 inverter.	Ensure stops.
4.13	Changeover indicator.	Ensure white.
4.14	Radar supply indicator.	Ensure black.
4.15	No.1 inverter circuit-breaker	Reset.
4.16	No.1 inverter.	Ensure not running.
4.17	Main d.c. power supply.	(i) Set to 'OFF'. (ii) Reset to 'ON'.
4.18	No.1 inverter.	Ensure running.
4.19	Changeover indicator.	Ensure black.
4.20	Radar supply indicator.	Ensure white.
4.21	Radar test switch.	Set to 'NORMAL'.
4.22	No.1 inverter.	Ensure still running.

BLOCK 2 ELECTRICAL

5. General

5.1	ALL switches.	Set to 'OFF'.
5.3	Main d.c. supply.	(i) Set to 'OFF'. (ii) Disconnect.
5.3	Test box.	(i) Disconnect Artificial Horizon Plug Grey from Test Lead. (ii) Disconnect Test Lead from A.C.J.B. Grey socket. (iii) Reconnect Artificial Horizon Plug Grey to A.C.J.B. Grey socket.

Continued overleaf

PF 2

SMS/210

Flight Instrument Supplies and Change-over System (Pre Mod 375 Post Com-Mod/4)

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

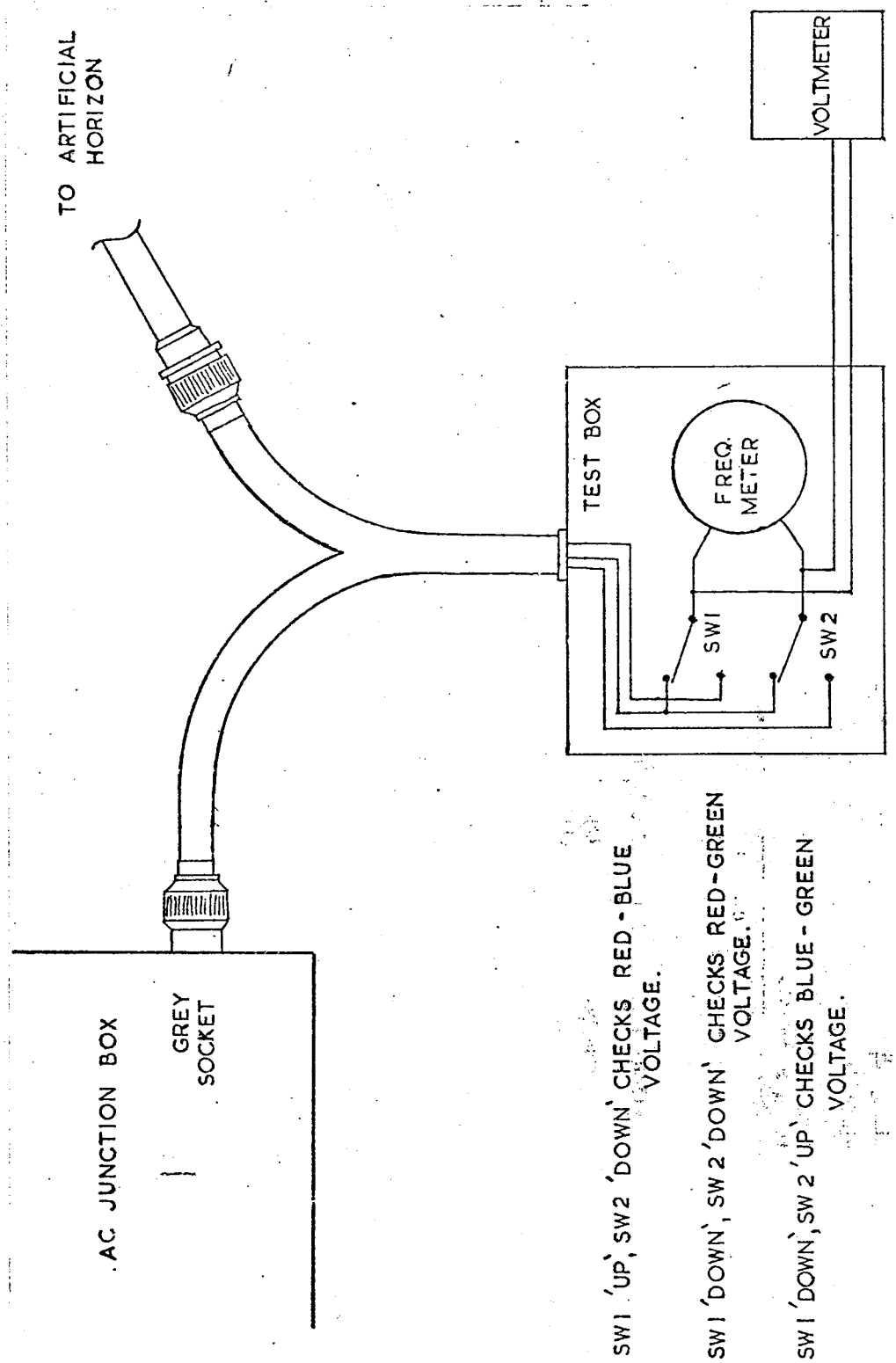

FIG 1

P.F. 1B & 2B

ELECTRICAL SP 197C (1) (1 to 5)	SERVICING PROCEDURES FUNCTIONAL CHECKS AND TESTS HUNTER ALL MARKS	AP101B-1300-5A3B Sect 2 Chap 3	SERVICING RECORD Aircraft Ser No: Date:	RAF Form 2988B (Revised Jan 85)

FLIGHT INSTRUMENTS SUPPLIES AND CHANGE-OVER SYSTEM

NB: This Procedure is applicable only to Mk 7 Aircraft.

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

TRADE Elect	M/HRS	TRADE	M/HRS	ASSOCIATED PROCEDURE CARDS	Code	TRADESMAN MAN HRS 1	TRADESMAN INITS & TDM 2	Brief Details of Suspected Defect and SNOW When Applicable 3	SUPERVISOR MAN HRS 4	SUPERVISOR INITS & TDM 5

Special Tools and Equipment:

Frequency Meter, 5Q/154.
Voltmeter, 0-150 Volts, a.c. 5Q/25256.

BLOCK 1	ELECTRICAL		
1.	Preparation		
1.1	Battery master switch.	Set to 'OFF'.	
1.2	External d.c. power supply.	(i) Connect. (ii) Switch on.	
1.3	A.C. junction box cover.	Remove.	
BLOCK 2	ELECTRICAL		
2.	No.3 and 4 Inverters (Standby) Check		
2.1	Engine master switch.	Set to 'ON'.	
2.2	Change-over indicators.	Ensure indicate 'STANDBY'.	
2.3	No.3 and 4 inverters.	Ensure running.	
2.4	A.C. bus-bars.	(i) Check voltage is between 115 and 120 volts. (ii) Check frequency is between 390 and 400 Hz.	

SMS/ 83

Continued

SERVICING RECORD

RAF Form 2988B
(Revised Jan 85)

Aircraft Ser No:
Date:

FLIGHT INSTRUMENTS SUPPLIES AND CHANGE-OVER SYSTEM

SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD			Code	TRADESMAN MAN HRS 1	TRADESMAN INITS & TDM 2	Brief Details of Suspected Defect and SNOW When Applicable 3	SUPERVISOR MAN HRS 4	SUPERVISOR INITS & TDM 5
BLOCK 1	ELECTRICAL							
3.	No.1 and 2 Inverters (Main) Check							
3.1	Test swtiches.	Operate and hold on.						
3.2	Standby inverters.	Ensure stop.						
3.3	Main inverters.	Ensure running.						
3.4	Artificial horizon indicator.	Ensure black.						
3.5	Change-over indicators.	Ensure indicates 'MAIN'.						
3.6	A.C. bus-bars.	(i) Check voltage is between 115 and 120 volts. (ii) Check frequency is between 390 and 400 Hz.						
BLOCK 2	ELECTRICAL							
4.	Change-over Check							
4.1	Inverter groups selector switches. (2 off).	(i) Set each to 'STANDBY' in turn and ensure appropriate indicator indicates 'STANDBY'. (ii) Set to 'NORMAL'.						
4.2	Radar ranging switch.	Set to 'ON'.						
4.3	Radar supply indicator.	Ensure white.						
4.4	No.1 group selector switch.	Set to 'STANDBY'.						

SMS/ 82A

Continued

SERVICING RECORD — RAF Form 2988B (Revised Jan 85)

Aircraft Ser No:
Date:

FLIGHT INSTRUMENTS SUPPLIES AND CHANGE-OVER SYSTEM

SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD			Code	TRADESMAN MAN HRS 1	TRADESMAN INITS & TDM 2	Brief Details of Suspected Defect and SNOW When Applicable 3	SUPERVISOR MAN HRS 4	SUPERVISOR INITS & TDM 5
BLOCK 1	**ELECTRICAL**							
4.	Change-over Check (Contd)							
4.5	Radar supply indicator.	Ensure black.						
4.6	No.1 group selector switch.	Set to 'NORMAL'.						
4.7	No.1 inverter circuit-breaker.	Trip.						
4.8	Radar supply indicator.	Ensure black.						
4.9	Change-over indicator. (Compass).	Ensure indicates 'STANDBY'.						
4.10	No.1 inverter circuit-breaker.	Reset.						
4.11	Radar supply.	Ensure unchanged. (Black).						
4.12	Change-over indicator. (Compass).	Ensure unchanged. (Standby).						
4.13	No.1 group selector switch.	Set to 'STANDBY' momentarily and then back to 'NORMAL'.						
4.14	Radar supply indicator.	Ensure white.						
4.15	Change-over indicator. (Compass).	Ensure indicates 'MAIN'.						
4.16	No.4 inverter circuit-breaker.	Trip.						

SMS/ 82

Continued

SERVICING RECORD

RAF Form 2988B
(Revised Jan 85)

Aircraft Ser No:
Date:

FLIGHT INSTRUMENTS SUPPLIES AND CHANGE-OVER SYSTEM

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 3	SUPERVISOR	
				MAN HRS 1	INITS & TDM 2		MAN HRS 4	INITS & TDM 5
BLOCK 1		ELECTRICAL						
4.	Change-over Check (Contd)							
4.17	Radar supply indicator.	Ensure black.						
4.18	No.4 inverter circuit-breaker.	Reset.						
4.19	Radar supply indicator.	Ensure white.						
4.20	No.2 inverter circuit-breaker.	Trip.						
4.21	Artificial horizon indicator.	Ensure white.						
4.22	Change-over indicator. (Artificial horizon).	Ensure indicates 'STANDBY'.						
4.23	No.3 inverter circuit-breaker.	Trip.						
4.24	Change-over indicator. (Artificial horizon).	Ensure indicates 'OFF'.						
4.25	No.3 inverter circuit-breaker.	Reset.						
4.26	Change-over indicator. (Artificial horizon).	Ensure indicates 'STANDBY'.						
4.27	No.2 inverter circuit-breaker.	Reset.						
4.28	Artificial horizon.	Ensure unchanged. (White).						

SMS/ 82A

Continued

SERVICING RECORD

RAF Form 2988B
(Revised Jan 85)

Aircraft Ser No:
Date:

FLIGHT INSTRUMENTS SUPPLIES AND CHANGE-OVER SYSTEM

SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD			Code	TRADESMAN MAN HRS 1	TRADESMAN INITS & TDM 2	Brief Details of Suspected Defect and SNOW When Applicable 3	SUPERVISOR MAN HRS 4	SUPERVISOR INITS & TDM 5
BLOCK 1	ELECTRICAL							
4.	Change-over Check (Contd)							
4.29	Change-over indicator. (Artificial horizon).	Ensure unchanged. (STANDBY).						
4.30	No.2 group selector switch.	Set to 'STANDBY' momentarily and then back to 'NORMAL'.						
4.31	Change-over indicator (Artificial horizon).	Ensure indicates 'MAIN'.						
4.32	Artificial horizon.	Ensure black.						
4.33	Test switches.	Release to 'NORMAL'.						
4.34	Change-over indicators. (2 off).	Ensure indicates 'STANDBY'.						
4.35	Radar indicator.	Ensure black.						
4.36	Artificial horizon indicator.	Ensure white.						
BLOCK 2	ELECTRICAL							
5.	General							
5.1	All switches.	Set to 'OFF'.						
5.2	A.C. junction box cover.	Refit.						
5.3	External d.c. power supply.	(i) Switch off. (ii) Disconnect.						

SMS/ 84

SERVICING RECORD

RAF Form 2988B
(Revised Jan 85)

Aircraft Ser No:
Date:

FLIGHT INSTRUMENTS SUPPLIES AND CHANGE-OVER SYSTEM

NB: This Procedure is applicable only to 7A and 8B Airfcraft.

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

TRADE Elect	M/HRS	TRADE	M/HRS	ASSOCIATED PROCEDURE CARDS	Code	TRADESMAN MAN HRS 1	TRADESMAN INITS & TDM 2	Brief Details of Suspected Defect and SNOW When Applicable 3	SUPERVISOR MAN HRS 4	SUPERVISOR INITS & TDM 5

Special Tools and Equipment:

Frequency Meter, 5Q/154.
Voltmeter, 0-150 Volts a.c. 5Q/25256.
Retaining Adapter (27 SWG Mild Steel Sheet). Fig 1.

BLOCK 1 ELECTRICAL

1. Preparation

1.1	Battery master switch.	Set to 'OFF'.
1.2	Engine master switch.	Set to 'ON'.
1.3	External power supply.	(i) Connect. (ii) Switch on.
1.4	Inverter change-over switch.	Set to 'No.1'.

BLOCK 2 ELECTRICAL

2. Standby Inverter Operation

2.1	Group 1 indicator.)	Ensure indicates 'STANDBY'.
2.2	Group 2 indicator.)	
2.3	Type 100A inverter. (Standby).	(i) Check voltage is between 115 and 120 volts. (ii) Check frequency is between 390 and 400 Hz.

SERVICING RECORD

RAF Form 2988B
(Revised Jan 85)

Aircraft Ser No:
Date:

FLIGHT INSTRUMENTS SUPPLIES AND CHANGE-OVER SYSTEM

SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD			Code	TRADESMAN MAN HRS 1	TRADESMAN INITS & TDM 2	Brief Details of Suspected Defect and SNOW When Applicable 3	SUPERVISOR MAN HRS 4	SUPERVISOR INITS & TDM 5
BLOCK 1	ELECTRICAL							
3.	Inverter Change-over							
3.1	Test switches. (2 off).	Set to 'TEST' and clamp in this position using retaining adapter. (Fig 1).						
3.2	No.2 inverter.	Ensure runs.						
3.3	Group 2 indicator.	Ensure indicates 'MAIN'.						
3.4	No.1 inverter.	Ensure starts after delay of between 3 and 5 secs.						
3.5	Group 1 indicator.	Ensure indicates 'MAIN'.						
3.6	No.2 inverter.	Ensure runs down.						
3.7	Group 2 indicator.	Ensure indicates 'OFF'.						
NB:	Before carrying out Sub-item 3.8 enquire from Airframe NCO that it is safe to do so.							
3.8	Undercarriage switch.	Select 'UP'.						
3.9	No.1 inverter.	(i) Check voltage is between 113 and 117 volts. (ii) Check frequency is between 392 and 408 Hz.						
3.10	A.C. JB 1.	Remove lid.						
3.11	No.2 inverter.	Ensure starts.						

SMS/85A

Continued

SERVICING RECORD

RAF Form 2988B
(Revised Jan 85)

Aircraft Ser No:
Date:

FLIGHT INSTRUMENTS SUPPLIES AND CHANGE-OVER SYSTEM

SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD				TRADESMAN			SUPERVISOR	
			Code	MAN HRS 1	INITS & TDM 2	Brief Details of Suspected Defect and SNOW When Applicable 3	MAN HRS 4	INITS & TDM 5
BLOCK 1		ELECTRICAL						
3.	Inverter Change-over (Contd)							
3.12 3.13	Group 1 indicator. Group 2 indicator.	) Ensure indicating 'MAIN'.)						
3.14	Inverter change-over switch.	Set to 'No.2'.						
3.15	No.1 inverter.	Ensure runs down.						
3.16	Group 1 indicator.	Ensure indicates 'OFF'.						
3.17	Group 2 indicator.	Ensure indicates 'MAIN'.						
3.18	No.2 inverter.	(i) Check voltage is between 113 and 117 volts. (ii) Check frequency is between 392 and 408 Hz.						
3.19	Inverter change-over switch.	Set to 'No.1'.						
3.20	No.1 inverter.	Ensure restarts.						
3.21	No.1 test switch.	Release to 'NORMAL'.						
3.22	No.2 inverter.	Ensure runs down.						
3.23	No.2 indicator.	Ensure indicates 'OFF'.						
3.24	Group 1 indicator.	Ensure indicates 'MAIN'.						
3.25	No.1 inverter.	Ensure continues to run.						
3.26	No.1 test switch.	Set to 'TEST'.						

SMS/ 86

Continued

SERVICING RECORD

Aircraft Ser No:
Date:

FLIGHT INSTRUMENTS SUPPLIES AND CHANGE-OVER SYSTEM

SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD	Code	TRADESMAN MAN HRS 1	TRADESMAN INITS & TDM 2	Brief Details of Suspected Defect and SNOW When Applicable 3	SUPERVISOR MAN HRS 4	SUPERVISOR INITS & TDM 5
BLOCK 1 — ELECTRICAL						
3. Inverter Change-over (Contd)						
3.27 No.2 inverter. — Ensure restarts.						
3.28 Change-over switch. — Set to 'No.2' position.						
3.29 No.1 test switch. — Release to 'NORMAL'.						
3.30 No.1 inverter. — Ensure runs down.						
3.31 Group 1 indicator. — Ensure indicates 'OFF'.						
3.32 No.2 inverter. — Ensure continues running.						
3.33 Group 2 indicator. — Ensure indicates 'MAIN'.						
3.34 No.2 test switch. — Release to 'NORMAL' and remove retaining adapter.						
3.35 Group 1 indicator.) 3.36 Group 2 indicator.) — Ensure indicates 'STANDBY'.						
3.37 Standby inverter. — Ensure operating.						
NB: Before carrying out Sub-item 3.38 enquire from Airframe NCO that it is safe to do so.						
3.38 Undercarriage switch. — Select 'DOWN'.						

Continued

SMS/ 86

SERVICING RECORD

RAF Form 2988B
(Revised Jan 85)

Aircraft Ser No:
Date:

FLIGHT INSTRUMENTS SUPPLIES AND CHANGE-OVER SYSTEM

SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD	Code	TRADESMAN MAN HRS 1	TRADESMAN INITS & TDM 2	Brief Details of Suspected Defect and SNOW When Applicable 3	SUPERVISOR MAN HRS 4	SUPERVISOR INITS & TDM 5
BLOCK 1 ELECTRICAL						
4. Completion						
4.1 Engine master switch. — Set to 'OFF'.						
4.2 Change-over switch. — Ensure set to No.1.						
4.3 Test switches. — Ensure released to 'NORMAL'.						
4.4 A.C. JB 1. — Refit lid.						
4.5 Group 1 indicator.) 4.6 Group 2 indicator.) — Ensure indicating 'OFF'.						
4.7 External power supply. — (i) Switch off. (ii) Disconnect.						

SMS/ 87

Continued

FLIGHT INSTRUMENTS SUPPLIES AND CHANGE-OVER SYSTEM

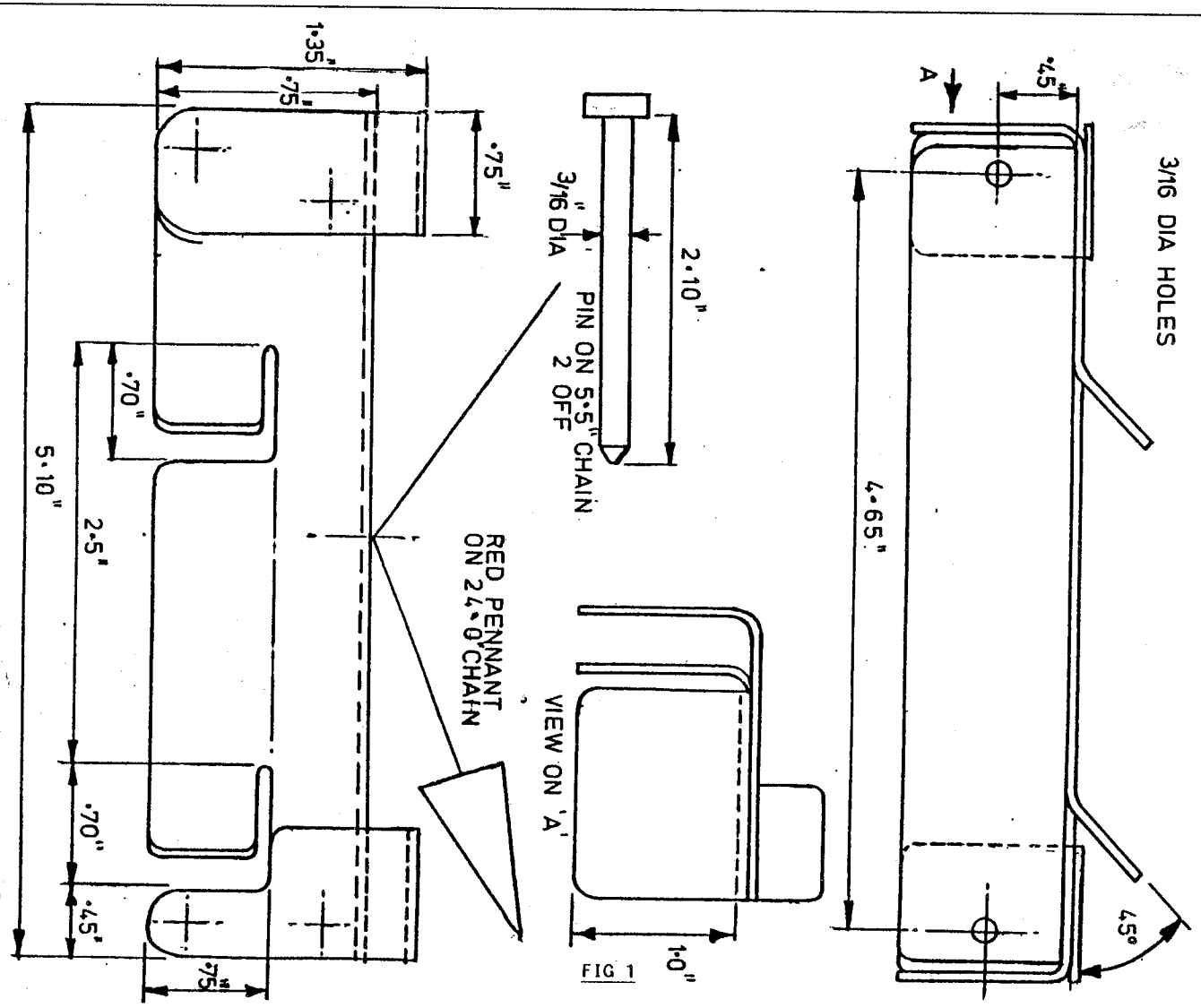

FIG 1

ELECTRICAL SP 198 (1) (1 to 4)	SERVICING PROCEDURES FUNCTIONAL CHECKS AND TESTS HUNTER ALL MARKS	AP101B-1300-5A3B Sect 2 Chap 3	SERVICING RECORD Aircraft Ser No: Date:	RAF Form 2988B (Revised Jan 85)

FIRE WARNING AND EXTINGUISHER SYSTEM

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

TRADE Elect	M/HRS	TRADE	M/HRS	ASSOCIATED PROCEDURE CARDS	Code	TRADESMAN MAN HRS 1	TRADESMAN INITS & TDM 2	Brief Details of Suspected Defect and SNOW When Applicable 3	SUPERVISOR MAN HRS 4	SUPERVISOR INITS & TDM 5

Special Tools and Equipment:

Test Lamps.
Insulation Tester, Type 'C', 5G/152.
Safety Ohmmeter Mk5, 5G/1006388.
Multimeter, Type 12889, 5QP/17447.
2 x 30 ft length of Unipren 6 (Unscreened).

NB: On no account is an insulation test with an output in excess of 30V to be connected to any of the control unit terminals.

BLOCK 1 ELECTRICAL

1. Preparation

1.1	Internal battery.	(i)	Switch off.
1.2	External power supplies.	(ii)	Disconnect.
1.3	Fire extinguishers.		Disconnect.
1.4	Test lamps.		Connect to extinguisher supply sockets.

SERVICING RECORD

RAF Form 2988B
(Revised Jan 85)

Aircraft Ser No:
Date:

FIRE WARNING AND EXTINGUISHER SYSTEM

SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD	Code	TRADESMAN MAN HRS 1	TRADESMAN INITS & TDM 2	Brief Details of Suspected Defect and SNOW When Applicable 3	SUPERVISOR MAN HRS 4	SUPERVISOR INITS & TDM 5
BLOCK 1 ELECTRICAL						
2. Insulation and Continuity Checks						
Note: During Sub-item 2.1 (ii) application of insulation tester is to be limited to a maximum of 5 seconds to prevent polarization of the elements.						
2.1 Control unit. (i) Disconnect leads from terminals 7, 8 and 9.						
(ii) Check insulation between lead 7 and earth, and lead 8 and earth in turn. Minimum permissible resistance 1 megohm.						
(iii) Check continuity between leads 7 and 8. Maximum permissible resistance for complete circuit, 285 ohms (Mk7, 7A and 8B).						
(iv) Reconnect terminals 7, 8 and 9.						
BLOCK 2 ELECTRICAL						
3. Manual Operation						
3.1 Internal battery. (i) Connect.						
(ii) Switch on.						
3.2 Pilot's push switch. Operate.						
3.3 Test lamp. Ensure lit.						
3.4 Pilot's push switch. Release.						
3.5 Test lamp. Ensure extinguished.						

SMS/ 89A

Continued

SERVICING RECORD

RAF Form 2988B
(Revised Jan 85)

Aircraft Ser No:
Date:

FIRE WARNING AND EXTINGUISHER SYSTEM

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 3	SUPERVISOR	
				MAN HRS 1	INITS & TDM 2		MAN HRS 4	INITS & TDM 5
BLOCK 1	ELECTRICAL							
4.	Automatic Operation							
4.1	Inertia switches. (2 off).	Remove. (Do not disconnect).						
4.2	Inertia switch. (Port).	Operate.						
4.3	Test lamp.	Ensure extinguished.						
4.4	Inertia switch. (Starboard).	Operate.						
4.5	Test lamp.	Ensure lit.						
4.6	Inertia switches. (Port and Starboard).	(i) Reset. (ii) Refit.						
4.7	Test lamp.	Ensure extinguished.						
BLOCK 2	ELECTRICAL							
5.	Circuit Test							
5.1	Fire warning circuit test switch.	Operate.						
5.2	Fire warning indicator lamp.	Ensrue lit.						
5.3	Fire warning circuit test switch.	Release.						

SMS/ 90

Continued

SERVICING RECORD

RAF Form 2988B
(Revised Jan 85)

Aircraft Ser No:
Date:

FIRE WARNING AND EXTINGUISHER SYSTEM

SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD			Code	TRADESMAN MAN HRS 1	TRADESMAN INITS & TDM 2	Brief Details of Suspected Defect and SNOW When Applicable 3	SUPERVISOR MAN HRS 4	SUPERVISOR INITS & TDM 5
BLOCK 1	ELECTRICAL							
5.	Circuit Test (Contd)							
5.4	Fire warning indicator lamp.	Ensure extinguished.						
BLOCK 2	ELECTRICAL							
6.	General							
6.1	Test lamp.	(i) Ensure extinguished. (ii) Remove from extinguisher socket.						
6.2	Internal battery.	Switch off.						
6.3	Fire extinguisher.	Connect.						
BLOCK 3	ELECTRICAL							
7.	Testing							
7.1	Internal battery.	Disconnect.						
7.2	Fire extinguisher system.	(i) For Hunter Mks 7, 7A and 8B using safety ohmmeter with 5 ohm resistor in parallel, check resistance between terminal 42 in supply panel and earth is 2.5 to 2.7 ohms (Type A716-3 head) or 3.0 to 3.5 ohms (Type 216 head).						
7.3	Internal battery.	Reconnect.						

SMS/ 900

SERVICING RECORD

RAF Form 2988B
(Revised Jan 85)

Aircraft Ser No:
Date:

TRIPLE BREECH STARTER

NB: This Procedure is applicable only to Mk 7, 7A and 8B Aircraft.

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

TRADE Elect Prop	M/HRS	TRADE	M/HRS	ASSOCIATED PROCEDURE CARDS	Code

TRADESMAN		Brief Details of Suspected Defect and SNOW When Applicable	SUPERVISOR	
MAN HRS 1	INITS & TDM 2	3	MAN HRS 4	INITS & TDM 5

Special Tools and Equipment:

Safety Ohmmeter, Mk 5 5G/1006388.
Bonding Tester, Type 'B' 5G/2126.
Insulation Tester, Type 'C' 5G/152.
Multimeter, Type 12889 5QP/17447.

BLOCK 1 — PROPULSION

1. Preparation

1.1 Starter cartridges. — Remove.

BLOCK 2 — ELECTRICAL

2. Bonding Checks

2.1 Earth lead from terminal 9 (Engine starting switch) to terminal 10 on leg panel. — Disconnect at terminal 10 on leg panel.

2.2 Safety ohmmeter.

(i) Connect between cable from terminal 10 and earth.
(ii) Check resistance. Maximum permissible resistance 1 ohm.
(iii) Disconnect.

SERVICING RECORD

RAF Form 2988B
(Revised Jan 85)

Aircraft Ser No:
Date:

TRIPLE BREECH STARTER

SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD			Code	TRADESMAN MAN HRS 1	TRADESMAN INITS & TDM 2	Brief Details of Suspected Defect and SNOW When Applicable 3	SUPERVISOR MAN HRS 4	SUPERVISOR INITS & TDM 5
BLOCK 1	ELECTRICAL							
2.	Bonding Checks (Contd)							
2.3	Bonding tester.	(i) Connect between earth lead and earth. (ii) Check resistance. Maximum permissible resistance 0.025 ohms. (iii) Disconnect.						
2.4	Bonding tester.	(i) Connect between starter body and earth. (ii) Check resistance. Maximum permissible resistance 0.025 ohms.						
2.5	Time delay switch.	Disconnect cable assembly F64.						
2.6	Engine.	Disconnect cable assembly C3.						
2.7	Cable assembly socket C3.	(i) Using Multimeter ensure that two of the 3 pins 'A', 'B' or 'J' are connected to pin 1. (ii) Using Insulation Tester Type 'C' ensure that remaining pin is not connected to earth.						
2.8	Starting switch.	Operate four times. After each operation of switch carry out Sub-item 2.7.						
2.9	Cable assembly socket F64.	Using Multimeter ensure resistance between terminal 1 and earth is 165 PLUS OR MINUS 12 ohms.						

SMS/ 91A

Continued

SERVICING RECORD

RAF Form 2988B
(Revised Jan 85)

Aircraft Ser No:
Date:

TRIPLE BREECH STARTER

SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD			Code	TRADESMAN MAN HRS 1	TRADESMAN INITS & TDM 2	Brief Details of Suspected Defect and SNOW When Applicable 3	SUPERVISOR MAN HRS 4	SUPERVISOR INITS & TDM 5
BLOCK 1	ELECTRICAL							
2.	Bonding Checks (Contd)							
2.10	Cable assembly F64.	) Reconnect.						
2.11	Cable assembly C3.	)						
2.12	Earth cable.	Reconnect to Terminal 10.						
BLOCK 2	ELECTRICAL							
3.	Functional Checks							
3.1	Starter.	Fit three dummy breech caps.						
3.2	External power supply.	(i) Connect. (ii) Switch on.						
3.3	Engine master switch.	Set to 'ON'.						
3.4	Starter switch.	(i) Operate. (ii) Ensure held in for 30 seconds.						
3.5	Cartridge unit indicator test lamps.	Ensure only one lights.						
3.6	Starter switch.	(i) Operate. (ii) Ensure held in for 30 seconds.						
3.7	Cartridge unit indicator test lamps.	Ensure lamps illuminate in correct sequence.						

SMS/ 92

Continued

SERVICING RECORD

RAF Form 2988B
(Revised Jan 85)

Aircraft Ser No:
Date:

TRIPLE BREECH STARTER

SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD	Code	TRADESMAN MAN HRS 1	TRADESMAN INITS & TDM 2	Brief Details of Suspected Defect and SNOW When Applicable 3	SUPERVISOR MAN HRS 4	SUPERVISOR INITS & TDM 5
BLOCK 1 ELECTRICAL						
4. General						
4.1 Engine master switch. Set to 'OFF'.						
4.2 Cartridge test units. Remove.						
4.3 External power supply. (i) Switch off. (ii) Disconnect.						

SMS/ 92.A

SERVICING RECORD

RAF Form 2988B
(Revised Jan 85)

Aircraft Ser No:
Date:

FUZING UNITS AND PYLON FUNCTION TESTS

NB: This Procedure is applicable only to Mk 7 Aircraft.

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

TRADE Elect Wpn	M/HRS	TRADE	M/HRS	ASSOCIATED PROCEDURE CARDS	Code

Special Tools and Equipment:

8 X Test Lamps. 2 X 10lb weights. Cocking Test Set.

	TRADESMAN		Brief Details of Suspected Defect and SNOW When Applicable 3	SUPERVISOR	
	MAN HRS 1	INITS & TDM 2		MAN HRS 4	INITS & TDM 5

BLOCK 1 WEAPONS NCO

1. Preparation

1.1	Pylon safety break. (1 off per pylon).	Ensure disconnected.
1.2	Outboard pylons.)	Ensure stores removed.
1.3	Inboard pylons.)	

BLOCK 2 ELECTRICAL

2. Preparation

2.1	Bombs/RP switch.)	Set to 'OFF'.
2.2	Fuzing selector switch.)	
2.3	Butt test key.	Fit.
2.4	Fuzing selector switch.	Set to 'NOSE AND TAIL'.
2.5	Master Armament Safety Break.	Connect.
2.6	External dc power supply.	(i) Connect. (ii) Switch ON.

SERVICING RECORD

RAF Form 2988B
(Revised Jan 85)

Aircraft Ser No:
Date:

FUZING UNITS AND PYLON FUNCTION TESTS

SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD			Code	TRADESMAN MAN HRS 1	TRADESMAN INITS & TDM 2	Brief Details of Suspected Defect and SNOW When Applicable 3	SUPERVISOR MAN HRS 4	SUPERVISOR INITS & TDM 5
BLOCK 1	WEAPONS							
3.	Preparation (Inboard Pylons)							
3.1	Pylon PRACTICE/NORMAL switches.	(i) Ensure set to 'PRACTICE'. (ii) Ensure wirelocked.						
3.2	EMRU. (No 1 Mk 1).	(i) Load with 10 lb weights. (ii) Carry out cocking test.						
BLOCK 2	ELECTRICAL							
4.	Testing (Inboad Pylons)							
4.1	Bomb release safety flap. (Port).	Raise.						
4.2	Bomb release button. (Port).	Press and hold.						
4.3	Release units.	Ensure DO NOT operate.						
4.4	Bomb release button. (Port).	Release.						
4.5	Bombs/RP switch.	Set to 'BOMBS'.						
4.6	Bomb release button. (Port).	Press and hold.						
NB:	Sub-item 4.7 is applicable only to aircraft PRE-MOD STC/0104.							
4.7	Release units.	Ensure operate.						

SMS/ 93A

Continued

SERVICING RECORD

RAF Form 2988B
(Revised Jan 85)

Aircraft Ser No:
Date:

FUZING UNITS AND PYLON FUNCTION TESTS

SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD	Code	TRADESMAN MAN HRS 1	TRADESMAN INITS & TDM 2	Brief Details of Suspected Defect and SNOW When Applicable 3	SUPERVISOR MAN HRS 4	SUPERVISOR INITS & TDM 5
BLOCK 1 ELECTRICAL						
4. Testing (Inboard Pylons) (Contd)						
NB: Sub-item 4.8 is applicable only to aircraft POST-MOD STC/0104.						
4.8 Release units. — Ensure DO NOT operate.						
4.9 Bomb release button. (Port). — Release.						
4.10 Bomb release safety flap. (Port). — Lower.						
NB: Sub-item 3.2 is to be carried out before commencing sub-item 4.11.						
4.11 Bomb release safety flap. (Starboard). Bomb release button. (Starboard). — Repeat sub-items 4.1 to 4.10 inclusive.						
4.12 Inboard jettison push switch. — Press and hold.						
4.13 Release units. — Ensure DO NOT operate.						
4.14 Inboard jettison push switch. — Release.						
4.15 Fuzing selector switch. — Set to 'OFF'.						
4.16 Inboard jettison push switch. — Press and hold.						

SMS/ 914

Continued

SERVICING RECORD

RAF Form 2988B
(Revised Jan 85)

Aircraft Ser No:
Date:

FUZING UNITS AND PYLON FUNCTION TESTS

SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD	Code	TRADESMAN MAN HRS 1	TRADESMAN INITS & TDM 2	Brief Details of Suspected Defect and SNOW When Applicable 3	SUPERVISOR MAN HRS 4	SUPERVISOR INITS & TDM 5
BLOCK 1 ELECTRICAL						
4. Testing (Inboard Pylons) (Contd)						
4.17 Release units. — Ensure operate.						
4.18 Inboard jettison push switch. — Release.						
BLOCK 2 ELECTRICAL						
5. Completion						
5.1 Butt test key.) 5.2 Master Armament Safety Break.) — Remove.						
5.3 External dc power supply. — Switch OFF.						
BLOCK 3 WEAPONS						
6. Pylons						
6.1 Release unit housing reset plungers. — Press.						
BLOCK 4 WEAPONS						
7. Preparation (Outboard Pylons)						
7.1 ERU Breech cap supply leads. — Disconnect.						
7.2 Pylon safety breaks. — Connect.						

SMS/ 94A

Continued

SERVICING RECORD

RAF Form 2988B
(Revised Jan 85)

Aircraft Ser No:
Date:

FUZING UNITS AND PYLON FUNCTION TESTS

SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD			Code	TRADESMAN MAN HRS 1	TRADESMAN INITS & TDM 2	Brief Details of Suspected Defect and SNOW When Applicable 3	SUPERVISOR MAN HRS 4	SUPERVISOR INITS & TDM 5
BLOCK 1	ELECTRICAL							
8.	Preparation (Outboard Pylons)							
8.1	ERU Breech cap supply leads.	Connect test lamps. (4 off).						
8.2	Master Armament Safety Break.	Connect.						
8.3	External dc power supply.	Switch ON.						
8.4	Butt test key.	Fit.						
8.5	Fuzing selector switch.	Set to 'NOSE AND TAIL'.						
BLOCK 2	ELECTRICAL							
9.	Testing (Outboard Pylons)							
9.1	Outboard jettison push switch.	Press and hold.						
9.2	Test lamps. (4 off).	Ensure lit.						
9.3	Fuzing selector switch.	Set to 'OFF'.						
9.4	Test lamps. (4 off).	Ensure remain lit.						
9.5	Outboard jettison push switch.	Release.						
9.6	Test lamps. (4 off).	Ensure extinguished.						

SMS/ 15

Continued

SERVICING RECORD

RAF Form 2988B
(Revised Jan 85)

Aircraft Ser No:
Date:

FUZING UNITS AND PYLON FUNCTION TESTS

SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD			Code	TRADESMAN MAN HRS 1	TRADESMAN INITS & TDM 2	Brief Details of Suspected Defect and SNOW When Applicable 3	SUPERVISOR MAN HRS 4	SUPERVISOR INITS & TDM 5
BLOCK 1	ELECTRICAL							
10.	Completion							
10.1	Butt test key.	Remove.						
10.2	External dc power supply.	(i) Switch OFF. (ii) Disconnect.						
10.3	Master Armament Safety Break.	Remove.						
10.4	ERU Breech cap supply leads.	Remove test lamps. (4 off).						
BLOCK 2	WEAPONS							
11.	Completion (Outboard Pylons)							
11.1	Pylon safety breaks.	Disconnect.						
11.2	ERU Breech cap supply leads.	Reconnct.						

SMS/ 95A

ELECTRICAL SP 202A (1) (1 to 5)	SERVICING PROCEDURES FUNCTIONAL CHECKS AND TESTS HUNTER ALL MARKS	AP101B-1300-5A3B Sect 2 Chap 3	SERVICING RECORD Aircraft Ser No: Date:	RAF Form 2988B (Revised Jan 85)

FUZING UNIT AND PYLON FUNCTIONAL TEST

NB: This Procedure is applicable only to Mk 7A Aircraft.

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

TRADE Elect Wpn	M/HRS	TRADE	M/HRS	ASSOCIATED PROCEDURE CARDS	Code	TRADESMAN MAN HRS 1	TRADESMAN INITS & TDM 2	Brief Details of Suspected Defect and SNOW When Applicable 3	SUPERVISOR MAN HRS 4	SUPERVISOR INITS & TDM 5

Special Tools and Equipment:

8 X Test Lamps.
2 X 10 lb weights.
Cocking Test Set.

BLOCK 1 — WEAPONS NCO

1. Preparation

1.1 Pylon safety breaks. (1 off per pylon) — Ensure disconnected.

1.2 Outboard pylons.)
1.3 Inboard pylons).) — Ensure stores removed.

BLOCK 2 — WEAPONS

2. Preparation (Inboard Pylons)

2.1 EMRU. (No 1 Mk 1).
(i) Load with 10 lb weights.
(ii) Carry out cocking test.

BLOCK 3 — ELECTRICAL

3. Preparation

3.1 Butt test key. — Fit.

3.2 Master Armament safety Break. — Connect.

SMS/ 96

Continued

SERVICING RECORD

RAF Form 2988B
(Revised Jan 85)

Aircraft Ser No:
Date:

FUZING UNIT AND PYLON FUNCTIONAL TEST

SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD			Code	TRADESMAN MAN HRS 1	TRADESMAN INITS & TDM 2	Brief Details of Suspected Defect and SNOW When Applicable 3	SUPERVISOR MAN HRS 4	SUPERVISOR INITS & TDM 5
BLOCK 1	ELECTRICAL							
3.	Preparation (Contd)							
3.3	External dc power supply.	(i) Connect. (ii) Switch ON.						
BLOCK 2	ELECTRICAL							
4.	Testing (Inboard Pylons)							
4.1	Bomb release safety flap. (Port).	Raise.						
4.2	Bomb release button. (Port).	Press and hold.						
4.3	Release units.	Ensure operate.						
4.4	Bomb release button. (Port).	Release.						
4.5	Bomb release safety flap. (Port).	Lower.						
BLOCK 3	WEAPONS							
5.	Preparation (Inboard Pylons)							
5.1	EMRU. (No 1 Mk 1).	(i) Load with 10 lb weights. (ii) Carry out cocking test.						

SMS/ 160

Continued

SERVICING RECORD

RAF Form 2988B
(Revised Jan 85)

Aircraft Ser No:
Date:

FUZING UNIT AND PYLON FUNCTIONAL TEST

SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD			Code	TRADESMAN MAN HRS 1	TRADESMAN INITS & TDM 2	Brief Details of Suspected Defect and SNOW When Applicable 3	SUPERVISOR MAN HRS 4	SUPERVISOR INITS & TDM 5
BLOCK 1	ELECTRICAL							
6.	Testing (Inboard Pylons)							
6.1	Bomb release safety flap. (Starboard).	Raise.						
6.2	Bomb release button. (Starboard).	Press and hold.						
6.3	Release units.	Ensure operate.						
6.4	Bomb release button. (Starboard).	Release.						
6.5	Bomb release safety flap. (Starboard).	Lower.						
BLOCK 2	WEAPONS							
7.	Preparation (Inboard Pylons)							
7.1	EMRU. (No 1 Mk 1).	(i) Load with 10 lb weights. (ii) Carry out cocking test.						
BLOCK 3	ELECTRICAL							
8.	Testing (Inboard Pylons)							
8.1	Inboard jettison push switch.	Press and hold.						
8.2	Release units.	Ensure Operate.						
8.3	Inboard jettison push switch.	Release.						

SMS/ 97

Continued

SERVICING RECORD

RAF Form 2988B
(Revised Jan 85)

Aircraft Ser No:
Date:

FUZING UNIT AND PYLON FUNCTIONAL TEST

SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD			Code	TRADESMAN MAN HRS 1	TRADESMAN INITS & TDM 2	Brief Details of Suspected Defect and SNOW When Applicable 3	SUPERVISOR MAN HRS 4	SUPERVISOR INITS & TDM 5
BLOCK 1	ELECTRICAL							
9.	Completion							
9.1	Butt test key.	Remove.						
9.2	Master Armament Safety Break.	Disconnect.						
9.3	External dc power supply.	Switch OFF.						
BLOCK 2	WEAPONS							
10.	Preparation (Outboard Pylons)							
10.1	ERU Breech cap supply leads.	Disconnect.						
10.2	Pylon safety breaks.	Connect.						
BLOCK 3	ELECTRICAL							
11.	Preparation (Outboard Pylons)							
11.1	ERU Breech cap supply leads.	Connect test lamps. (4 off).						
11.2	Master Armament Safety Break.	Connect.						
11.3	Butt test key.	Fit.						
11.4	External dc power supply.	Switch ON.						

SMS/ 97A

Continued

SERVICING RECORD

RAF Form 2988B
(Revised Jan 85)

Aircraft Ser No:
Date:

FUZING UNIT AND PYLON FUNCTIONAL TEST

SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD				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	ELECTRICAL							
12.	Testing (Outboard Pylons)							
12.1	Outboard jettison push switch.	Press and hold.						
12.2	Test lamps. (4 off).	Ensure lit.						
12.3	Outboard jettison push switch.	Release.						
12.4	Test lamps. (4 off).	Ensure extinguished.						
BLOCK 2	ELECTRICAL							
13.	Completion							
13.1	Butt test key.	) Remove.						
13.2	Master Armament Safety Break.	)						
13.3	External dc power supply.	(i) Switch OFF. (ii) Disconnect.						
13.4	ERU Breech cap supply leads.	Remove test lamps. (4 off).						
BLOCK 3	WEAPONS							
14.	Completion							
14.1	Pylon safety breaks.	Disconnect.						
14.2	ERU Breech cap supply leads.	Reconnect.						

SMS/ 98

ELECTRICAL SP 202B (1) (1 to 6)	SERVICING PROCEDURES FUNCTIONAL CHECKS AND TESTS HUNTER ALL MARKS	AP101B-1300-5A3B Sect 2 Chap 3	SERVICING RECORD Aircraft Ser No: Date:	RAF Form 2988B (Revised Jan 85)

FUZING UNITS AND PYLON FUNCTIONAL TESTS

NB: This Procedure is applicable only to Mk 8B Aircraft.

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

TRADE Elect Wpn	M/HRS	TRADE	M/HRS	ASSOCIATED PROCEDURE CARDS	Code

TRADESMAN		Brief Details of Suspected Defect and SNOW When Applicable	SUPERVISOR	
MAN HRS 1	INITS & TDM 2	3	MAN HRS 4	INITS & TDM 5

Special Tools and Equipment:

8 X Test Lamps.
2 X 10 lb weights.
Cocking Tests Set.

BLOCK 1 — WEAPONS NCO

1. Preparation

1.1	Pylon safety break. (1 off per pylon).	Ensure disconnected.
1.2	Outboard Pylons.)	Ensure stores removed.
1.3	Inboard Pylons.)	

BLOCK 2 — ELECTRICAL

2. Preparation

2.1	Bombs/RP switch.	Set to 'OFF'.
2.2	Fuzing selector switch.	Set to 'DEFUZE'.
2.3	Butt test key.	Fit.
2.4	Fuzing selector switch.	Set to 'FUZING'.
2.5	Master Armament Safety Break.	Connect.

SMS/ 99

Continued

SERVICING RECORD

RAF Form 2988B
(Revised Jan 85)

Aircraft Ser No:
Date:

FUZING UNITS AND PYLON FUNCTIONAL TESTS

SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD			Code	TRADESMAN MAN HRS 1	TRADESMAN INITS & TDM 2	Brief Details of Suspected Defect and SNOW When Applicable 3	SUPERVISOR MAN HRS 4	SUPERVISOR INITS & TDM 5
BLOCK 1	ELECTRICAL							
2.	Preparation (Contd)							
2.6	Electrical dc power supply.	(i) Connect. (ii) Switch 'ON'.						
BLOCK 2	WEAPONS							
3.	Preparation (Inboard Pylons)							
3.1	Pylon PRACTICE/NORMAL switches.	(i) Ensure set to 'PRACTICE'. (ii) Ensure wirelocked.						
3.2	EMRU. (No 1 Mk 1).	(i) Load with 10 lb weights. (ii) Carry out cocking test.						
BLOCK 3	ELECTRICAL							
4.	Testing (Inboard Pylons)							
4.1	Bomb release safety flap. (Port).	Raise.						
4.2	Bomb release button. (Port).	Press and hold.						
4.3	Release Units.	Ensure DO NOT operate.						
4.4	Bomb release button. (Port).	Release.						
4.5	Bomb release safety flap. (Port).	Lower.						

SMS/ 99A

Continued

SERVICING RECORD

RAF Form 2988B
(Revised Jan 85)

Aircraft Ser No:
Date:

FUZING UNITS AND PYLON FUNCTIONAL TESTS

SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD							
			Code	TRADESMAN MAN HRS 1	TRADESMAN INITS & TDM 2	Brief Details of Suspected Defect and SNOW When Applicable 3	SUPERVISOR MAN HRS 4	SUPERVISOR INITS & TDM 5
BLOCK 1		ELECTRICAL						
4.	Testing (Inboard Pylons) (Contd)							
4.6	Inboard jettison push switch.	Press and hold.						
4.7	Release units.	Ensure DO NOT operate.						
4.8	Inboard jettison push switch.	Release.						
4.9	Fuzing selector switch.	Set to 'DEFUZE'.						
4.10	Inboard jettison push switch.	Press and hold.						
4.11	Release units.	Ensure operate.						
4.12	Inboard jettison push switch.	Release.						
NB:	Sub-item 3.2 is to be carried out before commencing Sub-item 4.13.							
4.13	Bomb release button. (Starboard). Bomb release safety flap. (Starboard).	Repeat Sub-items 4.1 to 4.12 inclusive.						
BLOCK 2		ELECTRICAL						
5.	Completion							
5.1	Butt test key.	Remove.						
5.2	Master Armament Safety Break.	Remove.						

SMS/ 100

Continued

SERVICING RECORD

RAF Form 2988B
(Revised Jan 85)

Aircraft Ser No:
Date:

FUZING UNITS AND PYLON FUNCTIONAL TESTS

SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD			Code	TRADESMAN MAN HRS 1	TRADESMAN INITS & TDM 2	Brief Details of Suspected Defect and SNOW When Applicable 3	SUPERVISOR MAN HRS 4	SUPERVISOR INITS & TDM 5
BLOCK 1	ELECTRICAL							
5.	Completion (Contd)							
5.3	External dc power supply.	Switch 'OFF'.						
BLOCK 2	WEAPONS							
6.	Pylons							
6.1	Release unit housing reset plungers.	Press.						
BLOCK 3	WEAPONS							
7.	Preparation (Outboard Pylons)							
7.1	ERU Breech cap supply leads.	Disconnect.						
7.2	Pylon safety breaks.	Connect.						
BLOCK 4	ELECTRICAL							
8.	Preparation (Outboard Pylons)							
8.1	ERU breech cap supply leads.	Connect test lamps. (4 off).						
8.2	External dc power supply.	Switch ON.						
8.3	Master Armament Safety Break.	Connect.						
8.4	Butt test key.	Fit.						

SMS/ 1008

Continued

SERVICING RECORD

RAF Form 2988B
(Revised Jan 85)

Aircraft Ser No:
Date:

FUZING UNITS AND PYLON FUNCTIONAL TESTS

SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD	Code	TRADESMAN MAN HRS 1	TRADESMAN INITS & TDM 2	Brief Details of Suspected Defect and SNOW When Applicable 3	SUPERVISOR MAN HRS 4	SUPERVISOR INITS & TDM 5
BLOCK 1 ELECTRICAL						
8. Preparation (Outboard Pylons) (Contd)						
8.5 Fuzing selector switch. Set to 'FUZE'.						
BLOCK 2 ELECTRICAL						
9. Testing (Outboard Pylons)						
9.1 Outboard jettison push switch. Press and hold.						
9.2 Test lamps. (4 off). Ensure lit.						
9.3 Fuzing selector switch. Set to 'DEFUZE'.						
9.4 Test lamps. (4 off). Ensure lit.						
9.5 Outboard jettison push switch. Release.						
9.6 Test lamps. (4 off). Ensure extinguished.						
BLOCK 3 ELECTRICAL						
10. Completion						
10.1 Butt test key.) 10.2 Master Armament Safety Break.) Remove.						

SMS/ 101

Continued

SERVICING RECORD

RAF Form 2988B
(Revised Jan 85)

Aircraft Ser No:
Date:

FUZING UNITS AND PYLON FUNCTIONAL TESTS

SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD			Code	TRADESMAN MAN HRS 1	TRADESMAN INITS & TDM 2	Brief Details of Suspected Defect and SNOW When Applicable 3	SUPERVISOR MAN HRS 4	SUPERVISOR INITS & TDM 5
BLOCK 1	ELECTRICAL							
10.	Completion (Contd)							
10.3	External dc power supply.	(i) Switch OFF. (ii) Disconnect.						
10.4	ERU Breech cap supply leads.	Remove test lamps. (4 off).						
BLOCK 2	WEAPONS							
11.	Completion							
11.1	Pylon safety breaks.	Disconnect.						
11.2	ERU Breech cap supply leads.	Reconnect.						

SMS/ 10\A

ELECTRICAL SP 204 (1) (1 to 13)	SERVICING PROCEDURES FUNCTIONAL CHECKS AND TESTS HUNTER ALL MARKS	AP101B-1300-5A3B Sect 2 Chap 3	SERVICING RECORD Aircraft Ser No: Date:	RAF Form 2988B (Revised Jan 85)

JET PIPE TOP TEMPERATURE CONTROL SYSTEM

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

TRADE Elect	M/HRS	TRADE	M/HRS	ASSOCIATED PROCEDURE CARDS SP 197C or SP 197D	Code	TRADESMAN MAN HRS 1	TRADESMAN INITS & TDM 2	Brief Details of Suspected Defect and SNOW When Applicable 3	SUPERVISOR MAN HRS 4	SUPERVISOR INITS & TDM 5

Special Tools and Equipment:

Test Set QE 2270 5G/6287569
Standard Test Cable QY 227/1
Meter Adaptor QA 227/2 5G/7263
Plug in Module QM 2270-E 5G/6361934
Micro Switch Clamp (Loc Man)

BLOCK 1 ELECTRICAL

1. Preparation of Test Set

1.1	Error compensation Out/In switch.	Set to 'OUT'.
1.2	Speed Datum/Off/ Reheat switch.	Set to 'OFF'.
1.3	Internal/External Glavo switch.	Set to 'INT'.
1.4	Temp Datum/Off/Temp Datum and Signal switch.	Set to 'OFF'.
1.5	CH/AL Encomp switch.	Set to 'CH/AL'.
1.6	Temp Step In/Out switch.	Set to 'OUT'.
1.7	Test Selector switch.	Set to 'A'.

SMS/ 102

Continued

SERVICING RECORD

RAF Form 2988B
(Revised Jan 85)

Aircraft Ser No:
Date:

JET PIPE TOP TEMPERATURE CONTROL SYSTEM

SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD	Code	TRADESMAN MAN HRS 1	TRADESMAN INITS & TDM 2	Brief Details of Suspected Defect and SNOW When Applicable 3	SUPERVISOR MAN HRS 4	SUPERVISOR INITS & TDM 5
BLOCK 1 ELECTRICAL						
1. Preparation of Test Set (Contd)						
1.8 Temp Signal Coarse control. (i) Unlock. (ii) Set to 1.40. (iii) Lock.						
1.9 Ohms/Millivolt control. Set to 0.0000.						
1.10 Set Temp Zero/Set Current Zero/Read switch. Set to 'TEMP ZERO'.						
1.11 Temp Step control. Set fully anti clockwise.						
1.12 Temp Signal Fine control. Set fully anti clockwise.						
1.13 T/C Resistance Set Zero control. Set fully anti clockwise.						
1.14 Plug In module QM 2270-E. Connect to ERROR COMPENSATION socket. (QE 2270 facia).						
1.15 Meter adaptor QA 227/2. Secure to righthand side of test set.						
1.16 Aircraft JPT test socket access panel. Remove.						
1.17 Cable Assy QY 227/1. (i) Connect to meter adaptor. (ii) Connect to QE 2270 test set.						
1.18 Meter adaptor QA 227/2. Connect to aircraft JPT test socket.						
1.19 Test Selector switch. Set to 'BATT 1'.						

SMS/ 102A

Continued

SERVICING RECORD

RAF Form 2988B
(Revised Jan 85)

Aircraft Ser No:
Date:

JET PIPE TOP TEMPERATURE CONTROL SYSTEM

SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD					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		ELECTRICAL							
1.	Preparation of Test Set (Contd)								
1.20	Temp Datum/Off/Temp Datum and Signal.		Set to 'TEMP DATUM AND SIGNAL', ensure Meter M1 indicates in green zone.						
1.21	Test Selector switch.		Set to 'BATT 2', ensure Meter M1 indicates in green zone.						
1.22	Meter adaptor QS 227/2.								
	(a) A/C Test/Off/ Batt Check switch.		Set to 'BATT CHECK'.						
	(b) Meter.		Ensure indicates full scale deflection in red zone. (If necessary adjust potentiometer).						
	(c) A/C Test/Off/ Batt Check switch.		Set to 'OFF'.						
BLOCK 2		ELECTRICAL							
2.	Thermocouple Harness Resistance Test								
2.1	Galvometer.		(i) Set clamp to 'FREE'. (ii) Zero pointer.						
2.2	Test Selector switch.		set to 'T/C RES'.						
2.3	Set Temp Zero/ Set Current Zero/ Read switch.		Set to 'TEMP ZERO'.						
2.4	Galvo switch.		Set to 'SET UP' position and hold.						

SMS/ 103

Continued

SERVICING RECORD

RAF Form 2988B
(Revised Jan 85)

Aircraft Ser No:
Date:

JET PIPE TOP TEMPERATURE CONTROL SYSTEM

SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD	Code	TRADESMAN MAN HRS 1	TRADESMAN INITS & TDM 2	Brief Details of Suspected Defect and SNOW When Applicable 3	SUPERVISOR MAN HRS 4	SUPERVISOR INITS & TDM 5
BLOCK 1 ELECTRICAL						
2. Thermocouple Harness Resistance Test (Contd)						
2.5 Galvometer. Ensure indicates zero. (Adjust as necessary using T/C Resistance Set Zero control).						
2.6 Galvo switch. Set to 'IN'.						
2.7 Galvometer. Ensure indicates zero. (Adjust as necessary using T/C Resistance Set Zero control).						
2.8 Galvo switch. Set to centre position.						
2.9 Set Temp Zero/ Set Current Zero/ Read switch. Set to 'SET CURRENT ZERO'.						
2.10 Galvo switch. Set to 'SET UP' and hold.						
2.11 Galvometer. Ensure indicates zero. (Adjust as necessary using ~~T/C Resistance Set Zero control~~). Temp Sig. Fine						
2.12 Galvo switch. Set to 'IN'.						
2.13 Galvometer. Ensure indicates zero. (Adjust as necessary using T/C Resistance Set Zero control).						
2.14 Galvo switch. Set to centre position.						
2.15 Set Temp Zero/Set Current Zero/Read switch. Set to 'READ'.						

SMS/ 103A

Continued

SERVICING RECORD

Aircraft Ser No:
Date:

JET PIPE TOP TEMPERATURE CONTROL SYSTEM

SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD	Code	TRADESMAN MAN HRS 1	TRADESMAN INITS & TDM 2	Brief Details of Suspected Defect and SNOW When Applicable 3	SUPERVISOR MAN HRS 4	SUPERVISOR INITS & TDM 5
BLOCK 1 ELECTRICAL						
2. Thermocouple Harness Resistance Test (Contd)						
2.16 Galvo switch. — Set to 'SET UP' and hold.						
2.17 Galvometer. — Ensure indicates zero. (Adjust as necessary using Ohms/Millivolt control).						
2.18 Galvo switch. — Set to 'IN'.						
2.19 Galvometer. — Ensure indicates zero. (Adjust as necessary using Ohms/Millivolt control).						
2.20 Galvo switch. — Set to centre position.						
2.21 Ohms/Millivolt digital scale. — Note harness resistance value (nominally 0.25 ohms) PLUS or MINUS 0.03 ohms.						
2.22 Temp Signal Fine control. — Set fully anti clockwise.						
2.23 Test selector switch. — Set to position 'A'.						
BLOCK 2 ELECTRICAL						
3. Aircraft Preparation						
3.1 Engine starter. — Remove cartridges.						
3.2 28V dc external supply. — (i) Connect. (ii) Switch 'ON'.						

SMS/ 104

Continued

SERVICING RECORD

RAF Form 2988B
(Revised Jan 85)

Aircraft Ser No:
Date:

JET PIPE TOP TEMPERATURE CONTROL SYSTEM

SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD				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		ELECTRICAL						
3.	Aircraft Preparation (Contd)							
3.3	Inverter output.	Test. (SP 197C - Mk 7 only) or (SP 197D - Mk 7A and 8B only).						
3.4	Nosewheel undercarriage micro switch clamp.	Fit.						
3.5	Engine Master switch.	Set to 'ON'.						
3.6	JPT control switch.	Set to 'ON'.						
NOTE:	Ensure 30 seconds elapse before carrying out Datum Temperature Check (Item 4).							
BLOCK 2		ELECTRICAL						
4.	Datum Temperature Check							
NB:	Temperature values are to be noted when QA 227/2 meter pointer ceases pulsing.							
4.1	Error Compensation switch.	Set to 'IN'.						
4.2	Meter adaptor QS 227/2.							
	(a) A/C Test/Off/ Batt Check switch.	Set to 'A/C TEST'.						
	(b) Green light.	Ensure illuminated.						
4.3	Ohms/Millivolt control.	Adjust to obtain 685°C on Datum Temperature scale.						

SMS/ 104-A

Continued

SERVICING RECORD

RAF Form 2988B
(Revised Jan 85)

Aircraft Ser No:
Date:

JET PIPE TOP TEMPERATURE CONTROL SYSTEM

SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD	Code	TRADESMAN MAN HRS 1	TRADESMAN INITS & TDM 2	Brief Details of Suspected Defect and SNOW When Applicable 3	SUPERVISOR MAN HRS 4	SUPERVISOR INITS & TDM 5
BLOCK 1 ELECTRICAL						
4. Datum Temperature Check (Contd)						
4.4 Temp Signal Fine control. (i) Turn clockwise until QA 227/2 meter pointer moves to the centre position and both lights are extinguished. (ii) Continue turning clockwise until meter indicates a pulsing deflection in red zone. (iii) Turn anti clockwise until pulsing ceases.						
4.5 Galvo switch. Set to 'SET UP' and hold.						
4.6 Galvometer. Ensure pointer is on scale. (Adjust Ohms/Millivolt control as necessary).						
4.7 Galvo switch. Set to 'IN'.						
4.8 Galvometer. Ensure pointer indicates zero. (Adjust as necessary using Ohms/Millivolt control).						
4.9 Datum Temperature scale. (i) Note temperature indicated. (ii) Record as 'D'.						
4.10 Galvo switch. Set to centre position.						

SMS/105

Continued

SERVICING RECORD

RAF Form 2988B
(Revised Jan 85)

Aircraft Ser No:
Date:

JET PIPE TOP TEMPERATURE CONTROL SYSTEM

SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD			Code	TRADESMAN MAN HRS 1	TRADESMAN INITS & TDM 2	Brief Details of Suspected Defect and SNOW When Applicable 3	SUPERVISOR MAN HRS 4	SUPERVISOR INITS & TDM 5
BLOCK 1	ELECTRICAL							
4.	Datum Temperature Check (Contd)							
4.11	Temp Signal Fine control.	(i) Turn clockwise until QA 227/2 meter indicates pulsing in red zone. (ii) Continue turning clockwise until pulsing ceases. (Red light illuminated).						
4.12	Galvo switch.	Set to 'SET UP' and hold.						
4.13	Galvometer.	Ensure pointer indicates zero. (Adjust as necessary using Ohms/Millivolt control).						
4.14	Galvo switch.	Set to 'IN'.						
4.15	Galvometer.	Ensure pointer indicates zero. (Adjust as necessary using Ohms/Millivolt control).						
4.16	Datum Temperature scale.	(i) Note temperature indicated. (ii) Record as 'E'.						
4.17	Galvo switch.	Set to centre position.						
4.18	Temp Signal Fine control.	Turn fully clockwise.						
4.19	Meter adaptor. QA 227/2.	Ensure meter indicates in red zone.						

SMS/ 165A

Continued

SERVICING RECORD

RAF Form 2988B
(Revised Jan 85)

Aircraft Ser No:
Date:

JET PIPE TOP TEMPERATURE CONTROL SYSTEM

SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD	Code	TRADESMAN MAN HRS 1	TRADESMAN INITS & TDM 2	Brief Details of Suspected Defect and SNOW When Applicable 3	SUPERVISOR MAN HRS 4	SUPERVISOR INITS & TDM 5
BLOCK 1 ELECTRICAL						
4. Datum Temperature Check (Contd)						
4.20 Temp Signal Fine control. (i) Turn anti clockwise slowly until QA 227/2 meter indicates a pulsing in green zone. (ii) Turn clockwise until pulsing ceases.						
4.21 Galvo switch. Set to 'SET UP' and hold.						
4.22 Galvometer. Ensure pointer indicates zero. (Adjust as necessary using Ohms/Millivolt control).						
4.23 Galvo switch. Set to 'IN'.						
4.24 Galvometer. Ensure pointer indicates zero. (Adjust as necessary using Ohms/Millivolt control).						
4.25 Datum Temperature scale. (i) Note temperature indicated. (ii) Record as 'B'.						
4.26 Galvo switch. Set to centre position.						
4.27 Temp Signal Fine control. (i) Turn anti clockwise until QA 227/2 meter indicates a pulsing deflection in green zone. (ii) Continue turning until pulsing ceases. (Green light illuminated).						

SMS/ 106

Continued

SERVICING RECORD

RAF Form 2988B
(Revised Jan 85)

Aircraft Ser No:
Date:

JET PIPE TOP TEMPERATURE CONTROL SYSTEM

SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD	Code	TRADESMAN MAN HRS 1	TRADESMAN INITS & TDM 2	Brief Details of Suspected Defect and SNOW When Applicable 3	SUPERVISOR MAN HRS 4	SUPERVISOR INITS & TDM 5
BLOCK 1 ELECTRICAL						
4. Datum Temperature Check (Contd)						
4.28 Galvo switch. Set to 'SET UP' and hold.						
4.29 Galvometer. Ensure pointer indicates zero. (Adjust as necessary using Ohms/Millivolt control).						
4.30 Galvo switch. Set to 'IN'.						
4.31 Galvometer. Ensure pointer indicates zero. (Adjust as necessary using Ohms/Millivolt control).						
4.32 Datum Temperature scale. (i) Note temperature indicated. (ii) Record as 'A'.						
4.33 Galvo switch. Set to centre position.						
NB: From the temperature values recorded in Sub-items 4.9, 4.16, 4.24 and 4.32 the temperature control data is calibrated as follows:						
D - B = Dead band						
Dead band reading is to be 7°C PLUS or MINUS 1°C.						
$\frac{B \text{ Plus } D}{2}$ = Datum Temperature.						
E Minus D = Inching range (closed).						
B Minus A = Inching range (Open).						
Inching range is to be 25°C PLUS or MINUS 5°C.						

SMS/ 1GLA

Continued

SERVICING RECORD

RAF Form 2988B
(Revised Jan 85)

Aircraft Ser No:
Date:

JET PIPE TOP TEMPERATURE CONTROL SYSTEM

SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD			Code	TRADESMAN MAN HRS 1	TRADESMAN INITS & TDM 2	Brief Details of Suspected Defect and SNOW When Applicable 3	SUPERVISOR MAN HRS 4	SUPERVISOR INITS & TDM 5
BLOCK 1	ELECTRICAL							
5.	EGT Gauge							
5.1	Ohms/Millivolt control.	Adjust to obtain calculated Datum temperature indication on Datum Temperature scale.						
5.2	Temp Signal Fine control.	Adjust until aircraft EGT gauge indicates datum temperature.						
5.3	Galvo switch.	Set to 'SET UP' and hold.						
5.4	Galvometer.	Ensure pointer indicates zero. (Adjust as necessary using Ohms/Millivolt control).						
5.5	Galvo switch.	Set to 'IN'.						
5.6	Galvometer.	Ensure pointer indicates zero. (Adjust as necessary using ohms/millivolt control).						
5.7	Cockpit EGT Gauge.	Ensure indicates correct datum as indicated by Datum Temperature scale.						
5.8	Galvo switch.	Set to centre position.						
5.9	Temp Signal Fine control.	Adjust until QA 227/2 lights are extinguished.						
5.10	Galvometer clamp.	Set to 'LOCK'.						
5.11	Meter adaptor QA 227/2 meter.	Ensure no deflection is indicated.						

SMS/ 107

Continued

SERVICING RECORD

RAF Form 2988B
(Revised Jan 85)

Aircraft Ser No:
Date:

JET PIPE TOP TEMPERATURE CONTROL SYSTEM

SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD			Code	TRADESMAN MAN HRS 1	TRADESMAN INITS & TDM 2	Brief Details of Suspected Defect and SNOW When Applicable 3	SUPERVISOR MAN HRS 4	SUPERVISOR INITS & TDM 5
BLOCK 1		ELECTRICAL						
6.	Temperature Control Switch Check							
6.1	Top temperature control switch.	Set to 'OFF'.						
6.2	QA 227/2 meter adaptor.							
	(a) Meter.	Ensure indicates in green zone.						
	(b) Green light.	Ensure illuminated.						
6.3	Top temperature control switch.	Set to 'ON'.						
6.4	Engine Master switch.	Set to 'OFF'.						
6.5	28V dc external supply.	(i) Set to 'OFF'. (ii) Disconnect.						
BLOCK 2		ELECTRICAL						
7.	Disconnection							
7.1	Nosewheel micro-switch clamp.	Remove.						
7.2	QE 2270 Test Set.							
	(a) Temp Datum/Off/ Temp Datum and Signal switch.	Set to 'OFF'.						
	(b) Error compensation module QM 2270-E.	(i) Remove. (ii) Stow in lid.						
	(c) Cable assembly QY 227/1.	Disconnect.						

SMS/ 107A

Continued

SERVICING RECORD

RAF Form 2988B
(Revised Jan 85)

Aircraft Ser No:
Date:

JET PIPE TOP TEMPERATURE CONTROL SYSTEM

SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD	Code	TRADESMAN MAN HRS 1	TRADESMAN INITS & TDM 2	Brief Details of Suspected Defect and SNOW When Applicable 3	SUPERVISOR MAN HRS 4	SUPERVISOR INITS & TDM 5
BLOCK 1 ELECTRICAL						
7. Disconnection (Contd)						
7.3 QA 227/2 meter adaptor. (i) Remove from QE 2270 Test set. (ii) Disconnect from aircraft JPT Test socket.						
7.4 JPT Test socket access panel. Refit.						

ELECTRICAL SP 205 (1) (1 to 2)	SERVICING PROCEDURES FUNCTIONAL CHECKS AND TESTS HUNTER ALL MARKS	AP101B-1300-5A3B Sect 2 Chap 3	SERVICING RECORD Aircraft Ser No: Date:	RAF Form 2988B (Revised Jan 85)

UHF STANDBY BATTERY - TEST

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

TRADE Elect	M/HRS	TRADE	M/HRS	ASSOCIATED PROCEDURE CARDS	Code	TRADESMAN MAN HRS 1	TRADESMAN INITS & TDM 2	Brief Details of Suspected Defect and SNOW When Applicable 3	SUPERVISOR MAN HRS 4	SUPERVISOR INITS & TDM 5

Special Tools and Equipment:

5QP/1057049 Multimeter Set CT 4988.

NB: This Servicing Procedure is to be carried out immediately after the UHF Standby Battery has been changed.

BLOCK 1 ELECTRICAL

1. Preparation

1.1 UHF - Main/S'by /S'by Emergency switch.
- (i) Remove 'Restraint' wire.
- (ii) Set to "STBY EMERGY BATT".

BLOCK 2 ELECTRICAL

NB: Sub-item 2.1 (ii) is to be carried out 30 seconds (approx) after Sub-item 1.1 (ii).

2. Voltage Check

2.1 Radio Relay Box STBY TEST socket. (White 12 way).
- (i) Remove blanking cap.
- (ii) Using multimeter set to 30V d.c. range, and measure voltage between pin F (+) and pin B (earth), ensure voltage is not less than 22.8 volts.
- (iii) Refit blanking cap.

SMS/ 109

Continued

SERVICING RECORD

RAF Form 2988B
(Revised Jan 85)

Aircraft Ser No:
Date:

UHF STANDBY BATTERY - TEST

SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD	Code	TRADESMAN MAN HRS 1	TRADESMAN INITS & TDM 2	Brief Details of Suspected Defect and SNOW When Applicable 3	SUPERVISOR MAN HRS 4	SUPERVISOR INITS & TDM 5
BLOCK 1 ELECTRICAL						
3. General						
3.1 UHF - Main/S'by /S'by Emergency switch. (i) Set to 'MAIN'. (ii) Fit 'Restraint' wire. (5A2 Sect 1).						

SMS/ 109A

SERVICING RECORD

RAF Form 2988B
(Revised Jan 85)

Aircraft Ser No:
Date:

CABIN PRESSURE CONTROLLER - TEST

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

TRADE Elect	M/HRS	TRADE	M/HRS	ASSOCIATED PROCEDURE CARDS	Code

TRADESMAN		Brief Details of Suspected Defect and SNOW When Applicable	SUPERVISOR	
MAN HRS 1	INITS & TDM 2	3	MAN HRS 4	INITS & TDM 5

Special Tools and Equipment:

2.4 mm (3/32 in) dia Rod. (Loc.man).

BLOCK 1 ELECTRICAL

1. Preparation

1.1 External d.c. power supply.
(i) Connect.
(ii) Switch on.

1.2 Controller upper contact adjuster left-hand cap nut. Remove.

BLOCK 2 ELECTRICAL

NB: During Item 2 extreme care is to be taken when depressing plunger to avoid damage to the contact mechanism. The movement required is approximately 1.3 mm (0.05in.).

2. Testing

2.1 Controller adjuster centre hole.
(i) Insert rod.
(ii) Depress plunger and ensure cabin pressure warning light illuminates.
(iii) Remove rod.

SMS/ 110

Continued

ELECTRICAL SP 207 (2)	SERVICING PROCEDURES FUNCTIONAL CHECKS AND TESTS HUNTER ALL MARKS	AP101B-1300-5A3B Sect 2 Chap 3	SERVICING RECORD Aircraft Ser No: Date:	RAF Form 2988B (Revised Jan 85)

CABIN PRESSURE CONTROLLER - TEST

SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD	Code	TRADESMAN MAN HRS 1	TRADESMAN INITS & TDM 2	Brief Details of Suspected Defect and SNOW When Applicable 3	SUPERVISOR MAN HRS 4	SUPERVISOR INITS & TDM 5
BLOCK 1 ELECTRICAL						
3. Completion						
3.1 Adjuster cap-nut. (i) Refit. (ii) Lock with wire. (0.711 mm (22 SWG) Chronium Nickel 30A/9437135).						
3.2 External d.c. power supply. (i) Switch off. (ii) Disconnect.						

SMS/ 110A

SERVICING RECORD

RAF Form 2988B
(Revised Jan 85)

Aircraft Ser No:
Date:

HEIGHT ENCODING CHECKS USING HEIGHT ENCODING READOUT TEST SET TYPE 2600 AND PITOT/STATIC TEST SET MK 6 OR MK 5

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

TRADE Elect	M/HRS	TRADE	M/HRS	ASSOCIATED PROCEDURE CARDS	Code

TRADESMAN		Brief Details of Suspected Defect and SNOW When Applicable	SUPERVISOR	
MAN HRS 1	INITS & TDM 2	3	MAN HRS 4	INITS & TDM 5

Special Tools and Equipment:

Height Encoding Readout Test Set Type 2600 (HERTS).	6C/1171062
Pitot/Static Test Set Mk 3.	6C/1042139
Pitot/Static Test Set Mk 5.	6C/4361161

NB: This procedure is to be carried out if the output of the Encoding Altimeter Mk 30 series is suspect or the system fails any of the checks detailed in SP 259 or SP 260.

BLOCK 1 ELECTRICAL

1. Preparation

1.1	Aircraft Pitot/Static system.)	Connect to Static connector and to
1.2	Pitot/Static test set.)	pressure head, ensuring static slots are covered.
1.3	HERTS.	
	(a) Power on/off switch.	Ensure set to 'OFF'.
	(b) Plug 9.	Connect to suitable AC Supply.
	(c) Socket 8.	Connect to encoding altimeter output at the aircraft encoder/transponders breakpoint.
1.4	External power supplies.	(i) Connect. (ii) Switch on.
1.5	IFF/SSR AC Power Supplies.	Switch on.

SMS/ 111

Continued

SERVICING RECORD

RAF Form 2988B
(Revised Jan 85)

Aircraft Ser No:
Date:

HEIGHT ENCODING CHECKS USING HEIGHT ENCODING READOUT TEST SET TYPE 2600 AND PITOT/STATIC TEST SET MK 6 OR MK 5

SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD	Code	TRADESMAN MAN HRS 1	TRADESMAN INITS & TDM 2	Brief Details of Suspected Defect and SNOW When Applicable 3	SUPERVISOR MAN HRS 4	SUPERVISOR INITS & TDM 5
BLOCK 1 — ELECTRICAL						
1. Preparation (Contd)						
1.6 Encoding Altimeter Mk 30 Series Power Supplies. — Switch on.						
1.7 Pitot/Static test set. — Connect to suitable Supply.						
BLOCK 2 — ELECTRICAL						
NB: During Item 2.1(c) any observed display flickering when the function switch is moved from one self test position to the other should be disregarded.						
2. Self Test Checks						
2.1 HERTS.						
(a) Power ON/OFF Switch. — Set to 'ON' and ensure pedestal lamp is lit.						
(b) 1000ft Tone Switch. — Set to 'ON'.						
(c) Function switch. — (i) Set to turn 'OFF' position and check the decimal readout display reads +000.0 and that all eleven input code lamps are extinguished,						
(ii) Set to TURN ON position and check that the decimal readout display reads +000.0 and that all eleven input code lamps are extinguished.						
(iii) Set to SELF TEST -001.2 position and check that the decimal readout display reads -001.2 and that input code lamp C4 is lit.						

SMS/ 111A

Continued

HEIGHT ENCODING CHECKS USING HEIGHT ENCODING READOUT TEST SET TYPE 2600 AND PITOT/STATIC TEST SET MK 6 OR MK 5

SERVICING RECORD — RAF Form 2988B (Revised Jan 85)

Aircraft Ser No:
Date:

SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD	Code	TRADESMAN MAN HRS 1	TRADESMAN INITS & TDM 2	Brief Details of Suspected Defect and SNOW When Applicable 3	SUPERVISOR MAN HRS 4	SUPERVISOR INITS & TDM 5
BLOCK 1 — ELECTRICAL						
2. Self Test Checks (Contd)						
2.1 HERTS. (Contd)						
(c) Function switch. (Contd) — (iv) Set to SELF TEST +084.1 position and check that the decimal readout display reads +084.1 and that all the input code lamps except C4 are lit.						
(v) Slowly move from one self test position to the other and ensure that the 1000ft marker audible tone is heard.						
(d) Power ON/OFF switch. — Set to OFF.						
BLOCK 2 — ELECTRICAL						
3. Encoding Altimeter Output Checks						
3.1 Encoding Altimeter. — Set millibar counters to 1013.25.						
3.2 HERTS.						
(a) Power ON/OFF switch. — Set to ON.						
(b) Function switch. — Set to the TURN ON position.						
(c) 1000ft Tone switch. — Set to ON.						
3.3 Pitot/Static test set. — Increase the static pressure until the altimeter indicates minus 1000ft.						
3.4 HERTS. — Check that the decimal readout display reads -001.0 and that the input code lamp sequence is 000 000 00010 (Lamp C2 lit).						

SMS/ 112

Continued

SERVICING RECORD

RAF Form 2988B
(Revised Jan 85)

Aircraft Ser No:
Date:

HEIGHT ENCODING CHECKS USING HEIGHT ENCODING READOUT TEST SET TYPE 2600 AND PITOT/STATIC TEST SET MK 6 OR MK 5

SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD	Code	TRADESMAN MAN HRS 1	TRADESMAN INITS & TDM 2	Brief Details of Suspected Defect and SNOW When Applicable 3	SUPERVISOR MAN HRS 4	SUPERVISOR INITS & TDM 5
BLOCK 1 ELECTRICAL						
3. Encoding Altimeter Output Checks (Contd)						
3.5 (a) Pitot/Static test set.) (b) HERTS.) (c) Encoding Altimeter.) Slowly decrease static pressure in steps to obtain the altitude readings listed in table 1 and ensure that at each step the HERTS input code lamps and decimal readout display correspond to that in Table 1.						

SMS/ 113A

Continued

HEIGHT ENCODING CHECKS USING HEIGHT ENCODING READOUT TEST SET TYPE 2600 AND PITOT/STATIC TEST SET MK 6 OR MK 5

SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD	Code	TRADESMAN MAN HRS 1	TRADESMAN INITS & TDM 2	Brief Details of Suspected Defect and SNOW When Applicable 3	SUPERVISOR MAN HRS 4	SUPERVISOR INITS & TDM 5

BLOCK 1 ELECTRICAL

3. Encoding Altimeter Output Checks (Contd)

Note 1.
The audible tone can be used as a secondary check, as it sounds at each 1000ft change of altitude.

TABLE 1

INDICATED HEIGHT IN FEET	HERTS READOUT IN DECIMAL	INPUT CODE SEQUENCE (1 = LAMP LIT) D2	D4	A1	A2	A4	B1	B2	B4	C1	C2	C4
-800	-000.8	0	0	0	0	0	0	0	0	1	0	0
-600	-000.6	0	0	0	0	0	0	0	1	1	1	0
-400	-000.4	0	0	0	0	0	0	0	1	0	1	1
-200	-000.2	0	0	0	0	0	0	1	1	0	0	1
-0	-000.0	0	0	0	0	0	0	1	1	0	1	0
200	+000.2	0	0	0	0	0	0	1	1	1	0	0
400	+000.4	0	0	0	0	0	0	1	0	1	1	0
600	+000.6	0	0	0	0	0	0	1	0	0	1	1
800	+000.8	0	0	0	0	0	1	1	0	0	0	1
1000	+001.0	0	0	0	0	0	1	1	0	0	1	0
THEN CONTINUE AT SELECTED INDICATED ALTITUDE AS FOLLOWS												
2800	+002.8	0	0	0	0	1	1	0	0	0	0	1
6800	+006.8	0	0	0	1	1	0	0	0	0	0	1
9400	+009.4	0	0	0	1	1	1	1	1	1	1	0
14800	+014.8	0	0	1	1	0	0	0	0	0	0	1
20100	+020.1	0	0	1	1	1	1	1	1	1	1	0
30800	+030.8	0	1	1	0	0	0	0	0	0	0	1
41400	+041.4	0	1	1	1	1	1	1	1	1	1	0

SERVICING RECORD

RAF Form 2988B
(Revised Jan 85)

Aircraft Ser No:
Date:

HEIGHT ENCODING CHECKS USING HEIGHT ENCODING READOUT TEST SET TYPE 2600 AND PITOT/STATIC TEST SET MK 6 OR MK 5

SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD	Code	TRADESMAN MAN HRS 1	TRADESMAN INITS & TDM 2	Brief Details of Suspected Defect and SNOW When Applicable 3	SUPERVISOR MAN HRS 4	SUPERVISOR INITS & TDM 5
BLOCK 1 ELECTRICAL 3. Encoding Altimeter Output Checks (Contd) Note 2. The input code lamps indicate if a fault is present in a particular line of encoder. For example the code for 10000 ft altitude is 00011101010. If lamps A2, A4, B1, B4 and C2 are lit the encoder is functioning correctly, if say B1 was extinguished this would indicate a fault in the input line B1. 3.6 HERTS Function switch. Set to TURN OFF position and ensure tha altimeter is still indicating 41,400ft, the decimal readout display is correct and the input code lamps are showing the correct sequence. Note 3 Any additional lamp being lit denotes a fault in the encoder logic. 3.7 (a) Pitot/Static test set.) (b) HERTS.) Slowly increase static pressure and repeat in the TURN OFF Mode for the (c) Encoding Altimeter.) other Altitudes given in table 2.						

SMS/ 113A

Continued

SERVICING RECORD

RAF Form 2988B
(Revised Jan 85)

Aircraft Ser No:
Date:

HEIGHT ENCODING CHECKS USING HEIGHT ENCODING READOUT TEST SET TYPE 2600 AND PITOT/STATIC TEST SET MK 6 OR MK 5

SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD	Code	TRADESMAN MAN HRS 1	TRADESMAN INITS & TDM 2	Brief Details of Suspected Defect and SNOW When Applicable 3	SUPERVISOR MAN HRS 4	SUPERVISOR INITS & TDM 5

BLOCK 1 ELECTRICAL

3. Encoding Altimeter Output Checks (Contd)

TABLE 2

INDICATED HEIGHT IN FEET	HERTS READOUT IN DECIMAL	INPUT CODE LAMP SEQUENCE (1 = LAMP LIT) D2	D4	A1	A2	A4	B1	B2	B4	C1	C2	C4
-800	-000.8	0	0	0	0	0	0	0	0	1	0	0
-600	-000.6	0	0	0	0	0	0	0	1	1	1	0
-400	-000.4	0	0	0	0	0	0	0	1	0	1	1
-200	-000.2	0	0	0	0	0	0	1	1	0	0	1
-0	-000.0	0	0	0	0	0	0	1	1	0	1	0
200	+000.2	0	0	0	0	0	0	1	1	1	0	0
400	+000.4	0	0	0	0	0	0	1	0	1	1	0
600	+000.6	0	0	0	0	0	0	1	0	0	1	1
800	+000.8	0	0	0	0	0	1	1	0	0	0	1
1000	+001.0	0	0	0	0	0	1	1	0	0	1	0
THEN CONTINUE AT SELECTED INDICATED ALTITUDE AS FOLLOWS												
2800	+002.8	0	0	0	0	1	1	0	0	0	0	1
6800	+006.8	0	0	0	1	1	0	0	0	0	0	1
9400	+009.4	0	0	0	1	1	1	1	1	1	1	0
14800	+014.8	0	0	1	1	0	0	0	0	0	0	1
20100	+020.1	0	0	1	1	1	1	1	1	1	1	0
30800	+030.8	0	1	1	0	0	0	0	0	0	0	1
41400	+041.4	0	1	1	1	1	1	1	1	1	1	0

SMS/ 114

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SERVICING RECORD

RAF Form 2988B
(Revised Jan 85)

Aircraft Ser No:
Date:

HEIGHT ENCODING CHECKS USING HEIGHT ENCODING READOUT TEST SET TYPE 2600 AND PITOT/STATIC TEST SET MK 6 OR MK 5

SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD	Code	TRADESMAN MAN HRS 1	TRADESMAN INITS & TDM 2	Brief Details of Suspected Defect and SNOW When Applicable 3	SUPERVISOR MAN HRS 4	SUPERVISOR INITS & TDM 5
BLOCK 1 — ELECTRICAL						
4. Completion						
4.1 Pitot/Static test set. — After completion of test adjust static pressure to QFE.						
4.2 HERTS.						
(a) 1000ft Tone switch. — Set to OFF.						
(b) Power ON/OFF switch. — Set to OFF.						
4.3 Encoding Altimeter power supply. — Set to OFF.						
4.4 IFF/SSR power supply. — Set to OFF.						
4.5 External Power Supplies. — (i) Set to OFF. (ii) Remove.						
4.6 Pitot/Static test set.						
(a) Pitot/Static connections.) (b) Electrical power supply.) — Disconnect and remove.						
4.7 HERTS IFF/SSR Connectors. — Disconnect the HERTS and reconnect the IFF/SSR connector.						

SMS/ 11AA

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