

WEAPONS

SERVICING PROCEDURES

AP101B-1300-5A3B

FUNCTIONAL CHECKS AND TESTS

Sect 2

HUNTER ALL MARKS

Chap 2

AMENDED TO INCLUDE MK 9 CONTENT

List of Contents

SP No.

Not Allocated	171
Independent Checks after Fitting Ejection Seat. Mk 6, 6A and 9 Aircraft	171A
Independent Checks after Fitting Ejection Seat. Mk 7, 7A and 8B Aircraft	171B
Not Allocated	172
Firing Cables Pull - Off Tests. Mk 6, 6A and 9 Aircraft	172A
Firing Cables Pull - Off Tests. Mk 7, 7A and 8B Aircraft	172B
Not Allocated	173 - 175
Drop Tank Jettison System Test (Inboard) - Post SEM 045	175A
Drop Tank Jettison System Test (Outboard) - Post SEM 045	175B
Not Allocated	176 - 190

WEAPONS SP 171A (1) (1 to 5)					SERVICING PROCEDURES FUNCTIONAL CHECKS AND TESTS HUNTER ALL MARKS		AP101B-1300-5A3B Sect 2 Chap 2		SERVICING RECORD RAF Form 29888 Aircraft Ser No: Date:				
<u>INDEPENDENT CHECKS AFTER FITTING EJECTION SEAT</u> Applicable only to Mk6, 6A and 9 aircraft.							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	3		MAN HRS 4	INITS & TDM 5	
TRADE	M/HRS	TRADE	M/HRS	ASSOCIATED PROCEDURE CARDS									
<u>Special Tools and Equipment:</u> Nil.													
BLOCK 1 WEAPONS NCO 1. <u>Preparation</u> 1.1 Top latch safety pin. Ensure fitted correctly.													
BLOCK 2 WEAPONS NCO 2. <u>Hood Jettison and Time Delay Unit.</u> 2.1 Unit. (i) Examine. (ii) Ensure cocked correctly. 2.2 Articulated link. (i) Examine. (ii) Ensure connected correctly.													
BLOCK 3 WEAPONS NCO 3. <u>Firing Cables</u> 3.1 Red trip lever firing cable. (i) Ensure threaded through eye of seat pan firing handle cable. (ii) Ensure connected to trip lever of time delay unit.													

WEAPONS SP 171A (2)		SERVICING PROCEDURES FUNCTIONAL CHECKS AND TESTS HUNTER ALL MARKS		AP101B-1300-5A3B Sect 2 Chap 2		SERVICING RECORD RAF Form 2988B				
<u>INDEPENDENT CHECKS AFTER FITTING EJECTION SEAT</u>						Aircraft Ser No: Date:				
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	
						MAN HRS 1	INITS & TDM 2		MAN HRS 4	INITS & TDM 5
BLOCK 1		WEAPONS NCO								
3. <u>Firing Cables</u> cont.										
3.2 Seat canopy firing cable.		} Ensure connected to sear of canopy jettison unit.								
3.3 Aircraft canopy firing cable.										
3.4 Cables.		(i). Ensure routed under scissor shackle. (ii) Ensure slack is not excessive.								
BLOCK 2		WEAPONS NCO								
4. <u>Drogue Container</u>										
4.1 Container.		Examine.								
4.2 Cover flap safety pin.		Ensure fitted correctly.								
4.3 Scissor shackle safety tie.		} Ensure intact.								
4.4 Cover flap safety tie.										
BLOCK 3		WEAPONS NCO								
5. <u>Firing Handle Assembly</u>										
5.1 Assembly.		Examine.								
5.2 Face blind restraint straps.		Examine and particularly for incorrect assembly.								

WEAPONS
SP 171A (3)

SERVICING PROCEDURES
FUNCTIONAL CHECKS AND TESTS
HUNTER ALL MARKS

AP101B-1300-5A3B
Sect 2
Chap 2

SERVICING RECORD

RAF Form 29888

Aircraft Ser No:
Date:

INDEPENDENT CHECKS AFTER FITTING EJECTION SEAT

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

MAN
HRS
1

INITS
& TDM
2

MAN
HRS
4

INITS
& TDM
5

BLOCK 1 WEAPONS NCO

6. Barostatic Time Release Unit

6.1 Unit. Examine.

6.2 Static line. Ensure connected correctly.

BLOCK 2 WEAPONS NCO

7. Drogue Gun

7.1 Gun. Examine.

7.2 Static rod. Ensure connected correctly.

7.3 Piston. Ensure correctly secured to barrel by a
1/16 in. split pin.

7.4 Anti 'G' hose. }
7.5 Mic/Tel lead. } Ensure connected correctly.

BLOCK 3 WEAPONS NCO

8. Parachute Container

8.1 Container. Examine.

8.2 Adjusting mechanism. Operate.

WEAPONS
SP 171A (4)

SERVICING PROCEDURES
FUNCTIONAL CHECKS AND TESTS
HUNTER ALL MARKS

AP101B-1300-5A3B
Sect 2
Chap 2

SERVICING RECORD

RAF Form 2988B

Aircraft Ser No:
Date:

INDEPENDENT CHECKS AFTER FITTING EJECTION SEAT

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

SUPERVISOR

MAN
HRS
1

INITS
& TDM
2

MAN
HRS
4

INITS
& TDM
5

BLOCK 1

WEAPONS NCO

9. Safety Equipment

9.1 Parachute.

9.2 Liferaft.

} Ensure fitted.

9.3 Pack restraining straps.

Ensure secure in container clips.

9.4 Seat adjusting mechanism.

- (i) Operate over complete range.
- (ii) Ensure locks correctly in all positions.
- (iii) Leave in highest position.

9.5 Low pressure oxygen
hose.

9.6 Anti 'G' hose.

- } (i) Examine.
- (ii) Ensure not under tension with seat pan in highest position.
- } (iii) Ensure connected correctly.

BLOCK 2

WEAPONS NCO

10. Leg Restraint Assembly

10.1 Snubbing units.

- (i) Examine.
- (ii) Operate.

10.2 Leg restraint cords.

- (i) Examine.
- (ii) Ensure secured correctly to floor anchorage brackets.

WEAPONS
SP171A (5)

SERVICING PROCEDURES
FUNCTIONAL CHECKS AND TESTS
HUNTER ALL MARKS

AP101B-1300-5A3B
Sect 2
Chap 2

SERVICING RECORD

RAF Form 29888

Aircraft Ser No:
Date:

INDEPENDENT CHECKS AFTER FITTING EJECTION SEAT

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

MAN
HRS
1

INITS
& TDM
2

MAN
HRS
4

INITS
& TDM
5

BLOCK 1

WEAPONS NCO

11. Emergency Oxygen Set

11.1 Set.

11.2 Release.

11.3 Tell-tale wire.

11.4 Safety pin.

11.5 Emergency oxygen tube.

} Examine.

Ensure intact.

Ensure removed.

Ensure routed correctly.

BLOCK 2

WEAPONS NCO

12. Completion

12.1 F700/Equivalent servicing
document.

Endorse as follows: "Certified
Independent Checks satisfactorily
completed".

WEAPONS SP 172A (1) (1 to 4)				SERVICING PROCEDURES FUNCTIONAL CHECKS AND TESTS HUNTER ALL MARKS				AP101B-1300-5A3B Sect 2 Chap 3				SERVICING RECORD RAF Form 2988B					
<u>FIRING CABLES PULL-OFF TESTS</u> Applicable only to Mk6, 6A and 9 aircraft.												Aircraft Ser No: Date:					
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		SUPERVISOR	
TRADE W A/F		M/HRS		TRADE		M/HRS		ASSOCIATED PROCEDURE CARDS SP 52, SP 140				MAN HRS 1	INITS & TDM 2	3	MAN HRS 4	INITS & TDM 5	
<u>Special Tools and Equipment:</u> Nil.																	
BLOCK 1																	
WEAPONS NCO																	
1. Preparation																	
1.1 Primary cartridge.												}	Ensure not fitted.				
1.2 Drogue cartridge.																	
1.3 Hood cartridge.																	
1.4 Hood firing unit body.												}	Fit.				
1.5 Primary firing unit body.																	
1.6 Servicing diagram. (SP 52, Fig 1).												Read.					
1.7 Trip lever firing cable.												Thread through eye of seat pan firing handle cable.					
1.8 Main firing cable.												}	Connect to sear of canopy firing unit, ensuring slack is not excessive.				
1.9 Hood jettison firing cable.													NB: Main firing cable is to be placed on sear before canopy jettison cable.				
1.10 Time delay unit.												(i) Cock. (ii) Whilst cocking, place Red firing cable over trip lever.					

WEAPONS
SP 172A (2)

SERVICING PROCEDURES
FUNCTIONAL CHECKS AND TESTS
HUNTER ALL MARKS

AP101B-1300-5A3B
Sect 2
Chap 3

SERVICING RECORD

RAF Form 29888

Aircraft Ser No:
Date:

FIRING CABLES PULL-OFF TESTS

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

BLOCK 1

WEAPONS NCO

1. Preparation cont.

1.11 Safety pins.

Ensure removed from canopy, firing unit,
primary firing unit and trip lever.

1.12 Scissors shackle.

- (i) Rotate fully forward.
- (ii) Secure with tie of No.8 thread.

BLOCK 2

AIRFRAME NCO

2. Testing

2.1 Hood jettison system.

Carry out functional test. (SP 140).

BLOCK 3

WEAPONS NCO

3. Testing

3.1 Spring balance.
(0 to 100 lb).

- (i) Attach to seat pan firing handle.
- (ii) Pull upwards in direct line of
firing cable until sears withdrawn.
- (iii) Note pull-off throughout entire
pull including removal of handle.
- (iv) Repeat operations (i) to (iii)
inclusive twice, ensuring average
pull-off to operate system does
not exceed 65 lb.
- (v) Remove.

3.2 Excess cable.

Pull through from headrest end.

TRADESMAN

MAN
HRS
1

INITIALS
& TDM
2

Brief Details of
Suspected Defect and
SNOW
When Applicable
3

SUPERVISOR

MAN
HRS
4

INITIALS
& TDM
5

WEAPONS
SP 172A (3)

SERVICING PROCEDURES
FUNCTIONAL CHECKS AND TESTS
HUNTER ALL MARKS

AP101B-1300-5A3B
Sect 2
Chap 3

SERVICING RECORD

RAF Form 2988B

Aircraft Ser No:
Date:

FIRING CABLES PULL-OFF TESTS

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

BLOCK 1

WEAPONS NCO

3. Testing cont.

3.3 Seat pan firing handle.

Fit to housing.

3.4 Seat pan firing handle
safety pin.

Fit.

3.5 Firing units.

- (i) Recock.
- (ii) During recocking fit sears.

3.6 Cable and linkage
connections.

Repeat Sub-items 1.6 to 1.11 inclusive.

3.7 Spring balance.
(0 to 100 Lb).

- (i) Attach to face screen firing handle.
- (ii) Pull outward in direct line of firing cable until handle withdrawn from housing.
- (iii) Transfer to firing cable at point where attached to face screen.
- (iv) Continue pull in direct line of firing cable until sears withdrawn.
- (v) Note pull-off throughout entire pull, including removal of handle.
- (vi) Repeat operations (i) to (v) inclusive twice, ensuring average pull-off to remove handle from housing is not less than 40 lb and not more than 70 lb and to finally operate system is not more than 65lb.
- (vii) Remove.

TRADESMAN

MAN
HRS
1

INITS
& TDM
2

Brief Details of
Suspected Defect and
SNOW
When Applicable
3

SUPERVISOR

MAN
HRS
4

INITS
& TDM
5

WEAPONS
SP 172A (4)

SERVICING PROCEDURES
FUNCTIONAL CHECKS AND TESTS
HUNTER ALL MARKS

AP101B-1300-5A3B
Sect 2
Chap 3

SERVICING RECORD

RAF Form 2988B

Aircraft Ser No:
Date:

FIRING CABLES PULL-OFF TESTS

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

MAN
HRS
1

INITS
& TDM
2

MAN
HRS
4

INITS
& TDM
5

BLOCK 1 WEAPONS NCO

3. Testing cont.

3.8 Hood firing unit.

- (i) Recock.
- (ii) During recocking fit sear.
- (iii) Repeat Sub-items 1.8 to 1.9.

BLOCK 2 WEAPONS NCO

4. Completion

4.1 Hood firing unit.

- (i) Recock.
- (ii) During re-cocking fit sear.

This file was downloaded
from the RTFM Library.

Link: www.scottbouch.com/rtfm

Please see site for usage terms,
and more aircraft documents.

