

WEAPONS

SERVICING PROCEDURES

AP101B-1300-5A3B

FUNCTIONAL CHECKS AND TESTS

Sect. 2

HUNTER ALL MARKS

Chap 2

AMENDED TO INCLUDE MK 9 CONTENT

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<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	SUPERVISOR
BLOCK 1	WEAPONS NCO	MAN HRS 1	INITS & TDM 2	MAN HRS 4
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)

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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.

Aircraft Ser No:
Date:

TRADESMAN

MAN
HRS
1

INITS
& TDM
2

Brief Details of
Suspected Defect and
SNOW
When Applicable
3

SUPERVISOR
MAN
HRS
4
& TDM
5

WEAPONS
SP 171A (4)

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

BLOCK 1

WEAPONS NCO

9. Safety Equipment

- | | | | |
|-------------------------------|-------|--|---|
| 9.1 Parachute. | } | Ensure fitted. | |
| 9.2 Liferaft. | | | |
| 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. | } | (i) | Examine. |
| | | (ii) | Ensure not under tension with seat pan in highest position. |
| 9.6 Anti 'G' hose. | | (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. |

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

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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	
BLOCK 1	WEAPONS NCO	MAN HRS	INITS & TDM	SUPERVISOR
11. <u>Emergency Oxygen Set</u>	11.1 Set. 11.2 Release. 11.3 Tell-tale wire. 11.4 Safety pin. 11.5 Emergency oxygen tube.	2	3	MAN HRS
BLOCK 2	WEAPONS NCO			INITS & TDM
12. <u>Completion</u>	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:				
					TRADESMAN		Brief Details of Suspected Defect and SNOW When Applicable	SUPERVISOR	
					MAN HRS 1	INITS & TDM 2		MAN HRS 4	INITS & TDM 5
				Safety and servicing notes are to be complied with throughout the work detailed on this card					
TRADE W A/F	M/HRS	TRADE	M/HRS	ASSOCIATED PROCEDURE CARDS SP 52, SP 140					
<u>Special Tools and Equipment:</u> Nil.									
BLOCK 1		WEAPONS NCO							
1. Preparation									
1.1 Primary cartridge. 1.2 Drogue cartridge. 1.3 Hood cartridge.				Ensure not fitted.					
1.4 Hood firing unit body. 1.5 Primary firing unit body.				Fit.					
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. 1.9 Hood jettison firing cable.				Connect to sear of canopy firing unit, ensuring slack is not excessive. 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.					

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SP 172A (2)

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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.

Aircraft Ser No:
Date:

TRADESMAN

MAN
HRS
1

INITS
& TDM
2

Brief Details of
Suspected Defect and
SNOW
When Applicable
3

MAN
HRS
4

INITS
& TDM
5

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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	
BLOCK 1		WEAPONS NCO	MAN HRS 1	INITS & TDM 2	MAN HRS 4	INITS & TDM 5
3. <u>Testing</u> 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.				

WEAPONS

SP 172A (4)

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SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK
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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.

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