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		Amended to include Mk 9 content. <u>AILERON AND ELEVATOR - TESTS</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	
TRADE A/F Elect	M/HRS	TRADE	M/HRS	ASSOCIATED PROCEDURE CARDS	MAN HRS 1	INITS & TDM 2	MAN HRS 4	INITS & TDM 5
Special Tools and Equipment: Spring Balance, 1A/4390.								
BLOCK 1		ELECTRICAL						
1. <u>Preparation</u>								
1.1 External electrical power supply.		(i) Connect. (ii) Switch on.						
BLOCK 2		AIRFRAME						
2. <u>Preparation</u>								
2.1 Aircraft.		Raise on jacks.						
2.2 Aileron and elevator selector switches.		Set to 'POWER ON'.						
2.3 Control column.		Operate several times to exhaust hydraulic accumulator pressure.						
2.4 Aileron and elevator selector switches.		Set to 'POWER OFF'.						
2.5 Aileron accumulator.		Replenish with air. (Pre-Mod 690,- 1575 lbf/in ² , Post Mod 690,- 900 lbf/in ² .)						

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SP 121 (2)

SERVICING PROCEDURES
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AILERON AND ELEVATOR - TESTS

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

BLOCK 1

AIRFRAME

2. Preparation cont.
2.6 Elevator accumulator. Replenish with air (1575 lbf/in²).
2.7 Hydraulic reservoir. Replenish. (5A2 Sect 2).
2.8 Ground test connection blanking caps. Remove.
2.9 Hydraulic servicing trolley. Connect.
2.10 Undercarriage ground safety locks. Remove.

BLOCK 2

AIRFRAME

3. Stability Test
3.1 Hydraulic servicing trolley. Start.
3.2 Aileron and elevator selector switches. Set to 'POWER ON'.
3.3 Control column.
(i) Hit hard over in all directions.
(ii) Ensure returns smoothly to neutral with no tendency to travel through its full range.
NOTE: Instability is indicated if aircraft vibrates.

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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BLOCK 1

AIRFRAME

3. Stability Test cont.

Sub-item 3.4 is applicable only if controls are unstable.

3.4 Aileron and elevator hydroboosters.

Adjust as necessary.

3.5 Aileron and elevator selector switches.

Set to 'POWER OFF'.

TRADESMAN
MAN HRS
1

INITS & TDM
2

Brief Details of
Suspected Defect and
SNOW
When Applicable
3

SUPERVISOR
MAN HRS
4

INITS & TDM
5

BLOCK 2

AIRFRAME

4. Static Friction Check - Preparation

Sub-item 4.1 is to be carried out in conjunction with Sub-item 4.2.

4.1 Aileron selector switch.

Operate several times.

4.2 Aileron two position jack.

Ensure movement is full and free.

4.3 Hydraulic servicing trolley.

Stop.

4.4 Elevator feel unit.

Disconnect at forward end.

4.5 Aileron and elevator selector switches.

Ensure set to 'POWER OFF'.

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SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD		MAN HRS	INITS & TDM	1	2	3	MAN HRS	INITS & TDM
BLOCK 1	AIRFRAME							
5.	<u>Static Friction Check - Manual</u>							
	Sub-item 5.1 is applicable only to Mk6, 6A and 9 aircraft.							
5.1	Top of control column handgrip.	Attach spring balance, 1A/4390.						
	Sub-item 5.2 is applicable only to Mk7, 7A and 8B aircraft.							
5.2	Top of Port control column handgrip.	Attach spring balance, 1A/4390.						
5.3	Aileron control.	Check load required to move control column from neutral does not exceed 9 lb in either direction.						
5.4	Elevator control.	(i) Check load required to move control column from neutral rearwards does not exceed 7 lb. (ii) Check load required to move control column from neutral forwards does not exceed 9 lb.						
	Sub-items 5.5 and 5.6 are applicable only to Mk7, 7A and 8B aircraft.							
5.5	Spring balance.	(i) Remove from Port column. (ii) Fit to Starboard column.						
5.6	Controls.	Repeat Sub-items 5.3 and 5.4.						
5.7	Spring balance.	Remove.						

AIRFRAME
SP 121 (5)

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Date:

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

AIRFRAME

6. Static Friction Check - Power

6.1 Hydraulic servicing trolley. Start.

6.2 Aileron selector switch. Set to 'POWER ON'.

6.3 Ailerons. Ensure cannot be moved by hand when control column held neutral.

6.4 Elevator selector switch. Set to 'POWER ON'.

6.5 Elevators. Ensure cannot be moved by hand when control column held neutral.

Sub-item 6.6 is applicable only to Mk6, 6A and 9 aircraft.

6.6 Top of control column handgrip. Attach spring balance. (1A/4390).
Sub-item 6.7 is applicable only to Mk7, 7A and 8B aircraft.

6.7 Top of Port control column handgrip. Attach spring balance. (1A/4390).

6.8 Aileron controls. Check load required to move control column in either direction does not exceed 3 lb.

6.9 Elevator controls. Check load required to move control column in either direction does not exceed 2 lb.

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SP 121 (6)

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DETAILED ON THIS CARD

BLOCK 1

AIRFRAME

6. Static Friction Check - Power cont.

Sub-items 6.10 and 6.11 are applicable only to Mk7, 7A and 8B aircraft.

6.10 Spring balance.

- (i) Remove from Port column.
- (ii) Fit to Starboard column.

6.11 Controls.

Repeat Sub-items 6.8 and 6.9.

6.12 External electrical power supply.

Switch off.

6.13 Aileron controls.

6.14 Elevator controls.

} Ensure remain in power.

6.15 External electrical power supply.

Switch on.

6.16 Spring balance.

Remove.

Block 2

AIRFRAME

7. Power Controls - Emergency Test.

7.1 Hydraulic servicing trolley. Stop.

Sub-items 7.2 and 7.3 are to be carried out concurrently.

7.2 Main system hydraulic pressure.

Dissipate by selecting flaps.

7.3 Hydraulic failure warning lamp.

Ensure lit when hydraulic pressure falls to 600 PLUS OR MINUS 50 lbf/in².

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

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AIRFRAME
SP 121 (7)

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HUNTER ALL MARKS

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AILERON AND ELEVATOR - TESTS

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DETAILED ON THIS CARD

BLOCK 1

AIRFRAME

7. Power Controls - Emergency Test cont.

7.4 Aileron controls.

Check after 1 minute not less than $2\frac{1}{2}$ cycles are available before reverting to manual.

7.5 Elevator controls.

Check after 1 minute not less than $1\frac{1}{4}$ cycles are available before reverting to manual.

BLOCK 2

AIRFRAME

8. Power Controls - Pressure Check

8.1 Hydraulic servicing trolley. Start.

Sub-item 8.2 is applicable only to Mk6, 6A and 9 aircraft.

8.2 Top of control column. Attach spring balance.

Sub-item 8.3 is applicable only to Mk7, 7A and Mk 8B aircraft.

8.3 Top of Port control column Attach spring balance.
handgrip.

8.4 Aileron and elevator selector switches. Ensure left in 'POWER ON' position for 5 minutes.

Sub-item 8.5 is applicable only to Mk6, 6A and 9 aircraft and is not to be commenced until the time specified at Sub-item 8.4 has elapsed.

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

AIRFRAME
SP 121 (8)

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BLOCK 1

AIRFRAME

8. Power Controls - Pressure Check cont.

8.5 Control column. Check load required to move from neutral
does not exceed 6 lb in any direction.

Sub-item 8.6 is applicable only to Mk7, 7A and 8B aircraft and is not to
be commenced until the time specified at Sub-item 8.4 has elapsed.

8.6 Port control column. Check load required to move from neutral
does not exceed 6 lb in any direction.

8.7 Spring balance. Remove.

8.8 Elevator feel unit. Reconnect.

BLOCK 2

AIRFRAME

9. Power Controls - Pressure Check

NB 1 Control column movement detailed in Sub-item 9.1 is to be maintained
throughout Sub-items 9.2 and 9.4 to 9.6 inclusive.

NB 2 During this item hydraulic system pressure is not to fall below 1200
lbf/in².

9.1 Control column. Move at rate of 1 stir every 2 seconds.

9.2 Undercarriage selector. (i) Set to 'UP'.
(ii) Set to 'DOWN'.

9.3 Flaps. Ensure down.

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

AIRFRAME
SP 121 (9)

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DETAILED ON THIS CARD

BLOCK 1

AIRFRAME

9. Power Controls - Pressure Check cont.

9.4 Undercarriage selector. }
9.5 Flap selector. } Set to 'UP'.
9.6 Airbrake selector. (i) Set to 'OUT'.
 (ii) Set to 'IN'.
9.7 Control column. Release.
9.8 Undercarriage selector. Set to 'DOWN'.

BLOCK 1

AIRFRAME

10. Completion

10.1 Aileron and elevator selector switches. Set to 'POWER OFF'.

10.2 Undercarriage ground safety locks. Fit.

10.3 Hydraulic servicing trolley. (i) Stop.
(ii) Disconnect.

10.4 Ground test connection blanking caps. Refit.

10.5 Aircraft. Lower to ground.

AIRFRAME
SP 121 (10)

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AILERON AND ELEVATOR - TESTS

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

BLOCK 1

ELECTRICAL

11. Completion

11.1 External electrical power supply.

- (i) Switch off.
- (ii) Disconnect.

AIRFRAME
SP 123 (1)
(1 to 10)

SERVICING PROCEDURES
FUNCTIONAL CHECKS AND TESTS
HUNTER ALL MARKS

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Amended to include Mk 9 content.

FLYING TAILPLANE - RANGE OF MOVEMENT CHECK

RAF Form 29888

SERVICING RECORD

Aircraft Ser No:
Date:

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

TRADE A/F	M/HRS	TRADE Elect	M/HRS	ASSOCIATED PROCEDURE CARDS
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Special Tools and Equipment:

Nil.

NB During this Procedure Position Indicator is to be checked for
correct operation.

BLOCK 1

AIRFRAME

1. Preparation

1.1 Aircraft.

- (i) Raise on jacks.
- (ii) Place in rigging position.

BLOCK 2

ELECTRICAL

2. Preparation

2.1 External electrical
power supply.

- (i) Connect.
- (ii) Switch on.

AIRFRAME
SP 123 (2)

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HUNTER ALL MARKS

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FLYING TAILPLANE - RANGE OF MOVEMENT CHECK

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

BLOCK 1

AIRFRAME

Item 3 is applicable only to Mk6, 6A and 9 aircraft.

3. Testing

3.1 Tailplane.	Ensure operative in both main and standby circuits.
3.2 Tailplane main control switch.	Set to 'ON'.
3.3 Control column.	Move rearwards.
3.4 Tailplane.	Ensure incidence decreases.
3.5 Control column.	Move forward.
3.6 Tailplane.	(i) Ensure incidence increases. (ii) Set neutral.
3.7 Desynn indicator.	Ensure registering 'NEUTRAL'.

BLOCK 2

AIRFRAME

Item 4 is applicable only to Mk7, 7A and 8B aircraft.

4. Testing

4.1 Tailplane.	Ensure operates from Pupil's and Instructor's and standby switches.
4.2 Pupil's and Instructor's switches.	Operate in opposing senses.

Aircraft Ser No:
Date:

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

AIRFRAME
SP 123 (3)

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FLYING TAILPLANE - RANGE OF MOVEMENT CHECK

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

BLOCK 1

AIRFRAME

4. Testing cont.

4.3 Tailplane. Ensure operates in sense selected Instructors switch.

4.4 Tailplane cut-out. Trip.

4.5 Main circuit. Ensure inoperative.

4.6 Tailplane cut-out. Reset.

4.7 Tailplane main control switch. Set to 'ON'.

4.8 Control column. Move rearwards.

4.9 Tailplane. Ensure incidence decreases.

4.10 Control column. Move forward.

4.11 Tailplane. (i) Ensure incidence increases.
(ii) Set to neutral.

4.12 Desynn indicator. Ensure registering 'NEUTRAL'.

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				TRADESMAN		BRIEF DETAILS OF SUSPECTED DEFECT AND SNOW WHEN APPLICABLE	SUPERVISOR	
				MAN HRS	INITS & TDM	3	MAN HRS	INITS & TDM
SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD				1	2		4	5
BLOCK 1		AIRFRAME						
4. Testing cont.								
4.3 Tailplane.		Ensure operates in sense selected by Instructors switch.						
4.4 Tailplane cut-out.		Trip.						
4.5 Main circuit.		Ensure inoperative.						
4.6 Tailplane cut-out.		Reset.						
4.7 Tailplane main control switch.		Set to 'ON'.						
4.8 Control column.		Move rearwards.						
4.9 Tailplane.		Ensure incidence decreases.						
4.10 Control column.		Move forward.						
4.11 Tailplane.		(i) Ensure incidence increases. (ii) Set to neutral.						
4.12 Desynn indicator.		Ensure registering 'NEUTRAL'.						

AIRFRAME
SP 123 (4)

SERVICING PROCEDURES
FUNCTIONAL CHECKS AND TESTS
HUNTER ALL MARKS

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FLYING TAILPLANE - RANGE OF MOVEMENT CHECK

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

BLOCK 1

AIRFRAME

5. Flying Tail Trim Check

5.1 Tailplane. Trim zero with control column free.

5.2 Elevator power switch. Switch 'ON'.

5.3 Control column. Move fully forward and fully aft, at the same time trimming in reverse of tailplane movement and ensure trim overrides follow up of tailplane.

5.4 Elevator power switch. Switch off.

5.5 Main trim switch. Operate to return tailplane to zero.

5.6 Elevator power switch. Switch 'ON'.

5.7 Control column. Move forward and aft and while still moving raise standby trim cover and ensure tailplane stops moving.

5.8 Standby trim. (i) Set tailplane one degree from zero.
(ii) Check operation of standby trim by lowering cover (tailplane is to return to near zero with control column free).
Note: Approximately two small divisions or less from zero on gauge.

Aircraft Ser No:
Date:

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

AIRFRAME
SP 123 (5)

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FUNCTIONAL CHECKS AND TESTS
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FLYING TAILPLANE - RANGE OF MOVEMENT CHECK

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

BLOCK 1

AIRFRAME

6. Tailplane Incidence Check

During Sub-item 6.1 control column is to be allowed to move without any manual assistance.

6.1 Trim switch.

Operate until a fully positive tailplane incidence is obtained.

Sub-item 6.2 is applicable only to Mk7, 7A and 8B aircraft.

6.2 Tailplane.

Check incidence is between 2 degrees 24 minutes and 2 degrees 36 minutes.

Sub-item 6.3 is applicable only to Mk6, 6A and 9 aircraft Post Mod 841.

6.3 Tailplane.

Check incidence is between 3 degrees 10 minutes and 3 degrees 22 minutes.

Sub-item 6.4 is applicable only if fully positive incidence is not obtained in Sub-item 6.2 or 6.3.

6.4 Spring unit.

Shorten as necessary.

6.5 Trim switch.

Release.

6.6 Tailplane.

Ensure remains in fully positive position.

6.7 Control column.

Move rearwards slowly.

6.8 Tailplane actuator.

Ensure retraction commences before elevator angle reaches between plus 2 degrees and plus 3 degrees relative to tailplane.

Aircraft Ser No:

Date:

TRADESMAN

MAN HRS
INITS & TDM
1 2

Brief Details of
Suspected Defect and
SNOW
When Applicable
3

MAN HRS
INITS & TDM
4 5

AIRFRAME
SP 123 (6)

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FLYING TAILPLANE - RANGE OF MOVEMENT CHECK

SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK
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BLOCK 1

AIRFRAME

6. Tailplane Incidence Check cont.

Sub-item 6.9 is only applicable if elevator angle exceeds the limits detailed in Sub-item 6.8 before actuator retraction commences.

6.9 Spring unit. Lengthen as necessary.

In Sub-item 6.10 the control is to be allowed to move without any manual assistance.

6.10 Trim switch. Operate until a fully negative tailplane incidence is obtained.

Sub-item 6.11 is applicable only to Mk7, 7A and 8B aircraft.

6.11 Tailplane. Check negative incidence of between 2 degrees 47 minutes and 2 degrees 59 minutes is obtained.

Sub-item 6.12 is applicable only to Mk6, 6A and 9 aircraft Post Mod 841.

6.12 Tailplane. Check negative incidence of between 2 degrees 1 minute and 2 degrees 13 minutes is obtained.

Sub-items 6.13 to 6.16 inclusive are applicable only if fully negative incidence is not obtained in Sub-items 6.11 or 6.12.

6.13 Spring unit. Lengthen, ensuring positive incidence is kept within limits.

6.14 Trim switch. Release.

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	MAN HRS	INITS & TDM	3		
	1	2			

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<u>FLYING TAILPLANE - RANGE OF MOVEMENT CHECK</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
MAN HRS	INITS & TDM			MAN HRS
BLOCK 1 AIRFRAME		1	2	3
6. <u>Tailplane Incidence Check</u> cont.				
6.15	Tailplane.	Ensure remains in fully negative position.		
6.16	Spring unit locknut.	(i) Tighten. (ii) Lock.		
6.17	Tailplane main control switch.	Set to 'OFF'.		
BLOCK 2 AIRFRAME				
7. <u>Range of Movement Check</u>				
During Sub-item 7.1 control column is to be maintained neutral.				
7.1	Trim switch.	Set to 'NOSE DOWN'.		
Sub-item 7.2 is applicable only to Mk7, 7A and 8B aircraft and Mk 6 aircraft Pre Mod 841.				
7.2	Tailplane.	Check upward movement is between 1.43 and 1.55 in.		
Sub-item 7.3 is applicable only to Mk6, 6A and 9 aircraft Post Mod 841.				
7.3	Tailplane.	Check upward movement is between 1.88 and 2 in.		
During Sub-item 7.4 control column is to be maintained neutral.				
7.4	Trim switch.	Set to 'NOSE UP'.		

AIRFRAME
SP 123 (8)

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HUNTER ALL MARKS

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FLYING TAILPLANE - RANGE OF MOVEMENT CHECK

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BLOCK 1

AIRFRAME

7. Range of Movement Check cont.

Sub-item 7.5 is applicable only to Mk7, 7A and 8B aircraft and Mk6
aircraft Pre Mod 841.

7.5 Tailplane.

Check downward movement is between 1.66
and 1.78 in.

Sub-item 7.6 is applicable only to Mk6, 6A and 9 aircraft Post Mod 841.

7.6 Tailplane.

Check downward movement is between 1.21
and 1.33 in.

BLOCK 2

AIRFRAME

8. Angular Movement Check

NB Sub-items 8.1 to 8.6 inclusive are to be repeated 6 times.

8.1 Tailplane main control
switch.

Set to 'ON'.

8.2 Tailplane.

Check angular movement does not exceed
15 minutes.

8.3 Tailplane main control
switch.

Set to 'OFF'.

During Sub-item 8.4 control column is to be allowed to move without any
manual assistance.

8.4 Trim switch.

Operate to inch tailplane actuator.

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

AIRFRAME
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Sect 2
Chap 1

FLYING TAILPLANE - RANGE OF MOVEMENT CHECK

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

BLOCK 1

ELECTRICAL

10. Completion

10.1 External electrical power supply.

- (i) Switch off.
- (ii) Disconnect.

BLOCK 2

ATRIFRAME

11. Completion

11.1 Aircraft.

Lower to ground.

SERVICING RECORD

RAF Form 2988B

Aircraft Ser No:
Date:

AIRFRAME
SP 124 (2)

SERVICING PROCEDURES
FUNCTIONAL CHECKS AND TESTS
HUNTER ALL MARKS

AP101B-1300-5A3B
Sect 2
Chap. 1

TAILPLANE - RANGE OF MOVEMENT CHECK

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

BLOCK 1

AIRFRAME

3. Preparation cont.

3.4 Hydraulic servicing trolley. (i) Connect.
(ii) Start.

3.5 Elevator selector switch. Set to 'POWER ON'.

3.6 Tailplane main control switch. Set to 'ON'.

BLOCK 2

AIRFRAME

4. Test

Sub-item 4.1 is applicable only to Mk6A and 9 aircraft.

4.1 Tailplane and elevator. Measure angles. (Fig 1 and Table 1).
Sub-item 4.2 is applicable only to Mk6 aircraft.

4.2 Tailplane and elevators. Measure angles. (Fig 2 and Table 2).
Sub-item 4.3 is applicable only to Mk7, 7A and 8B aircraft and is to be carried out on Port and Starboard control column Trim switches.

4.3 Tailplane and elevators. Measure angles. (Fig 2 and Table 2).
During Sub-item 4.4 control column is to be moved between the elevator stops at a rate of one complete movement every $3\frac{1}{2}$ seconds.

4.4 Control column. Ensure smooth operation.

4.5 Tailplane main control switch. Set to 'OFF'.

SERVICING RECORD

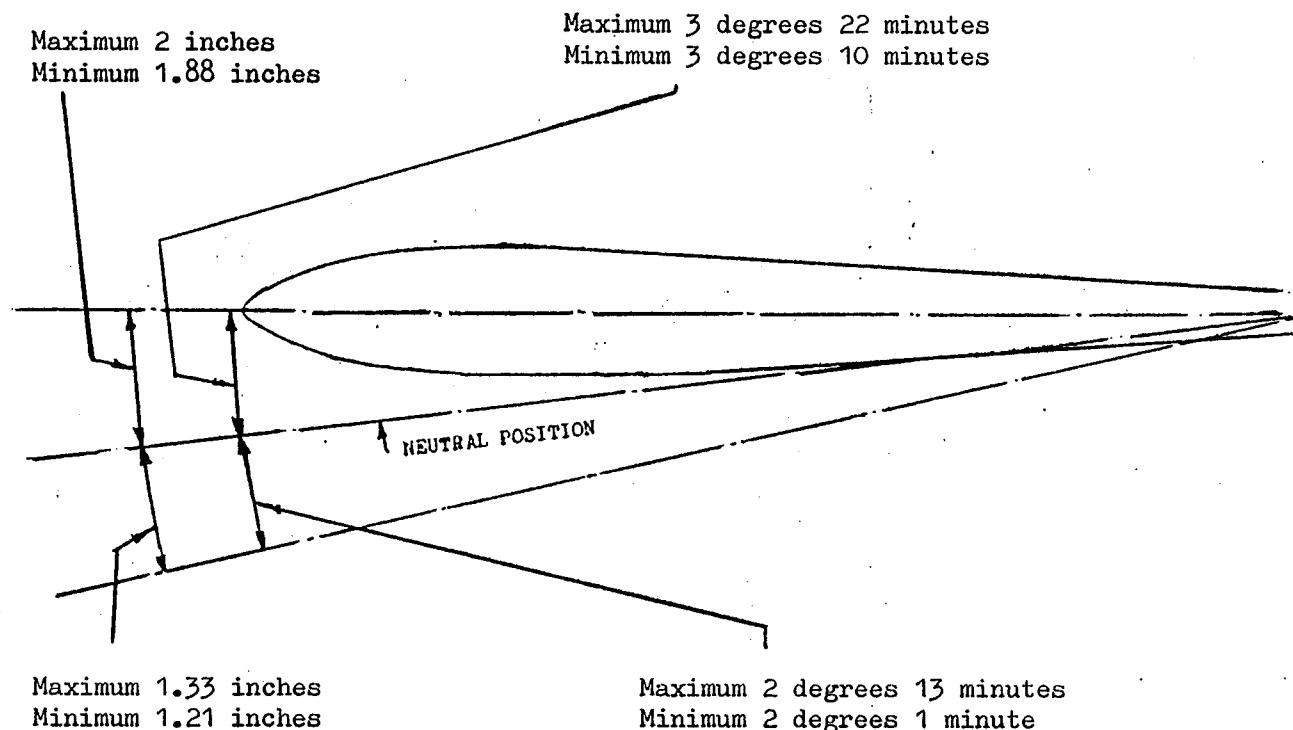
RAF Form 29888

Aircraft Ser No:
Date:

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

AIRFRAME SP 124 (3)	SERVICING PROCEDURES FUNCTIONAL CHECKS AND TESTS HUNTER ALL MARKS	AP101B-1300-5A3B Sect 2 Chap 1	SERVICING RECORD	RAF Form 2988B
<u>TAILPLANE - RANGE OF MOVEMENT CHECK</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	AIRFRAME	MAN HRS 1	INITS & TDM 2	MAN HRS 4
4.	<u>Test</u> cont. During Sub-item 4.6 control column is to be moved fore and aft.			
4.6	Tailplane. Ensure remains in neutral position.			
4.7	Elevator selector switch. Set to 'POWER OFF'.			
BLOCK 2	AIRFRAME			
5.	<u>Completion</u> 5.1 Hydraulic servicing trolley. 5.2 Ground test connection blanking caps.	(i) Stop. (ii) Disconnect. Refit.		
BLOCK 3	ELECTRICAL			
6.	<u>Completion</u> 6.1 External electrical power supply.	(i) Switch off. (ii) Disconnect.		
BLOCK 4	AIRFRAME			
7.	<u>Completion</u> 7.1 Aircraft.	Lower to ground.		

TAILPLANE - RANGE OF MOVEMENT CHECK



TAILPLANE INCIDENCE - (Main Control Switch 'OFF')

FIG 1

SMS/ 18

Continued

AIRFRAME
SP 124 (5)

SERVICING PROCEDURES
FUNCTIONAL CHECKS AND TESTS
HUNTER ALL MARKS

AP101B-1300-5A3B
Sect 2
Chap 1

TAILPLANE - RANGE OF MOVEMENT CHECK

Trim	Control Column	Incidence		Elevator angle relative to tailplane	
		Maximum	Minimum	Maximum	Minimum
Neutral	Neutral	0 degrees	0 degrees	0 degrees	0 degrees
	Full forward.	Plus 2 degrees 43 minutes	Plus 2 degrees 13 minutes	7 degrees down.	5 degrees 30 minutes down.
	Full aft.	Fully negative tailplane control 'OFF'.		19 degrees 30 minutes up.	18 degrees up.
Fully positive	Full forward.	Fully positive tailplane control 'OFF'.		6 degrees down.	4 degrees 30 minutes down.
	Moved aft until tailplane just moves.	As reading above plus 0 minus 2 minutes.		37 minutes up.	22 minutes up.
	Moved aft to tailplane neutral.	0 degrees.	0 degrees	9 degrees 30 minutes up.	8 degrees 30 minutes up.
	Full aft.	Minus 1 degree 35 minutes.	Minus 1 degrees 55 minutes.	20 degrees 30 minutes up.	18 degrees 30 minutes up.
	Moved forward until tailplane just moves.	As above plus 2 minus 0 minutes.		18 degrees up.	16 degrees 30 minutes up.
	Moved forward to tailplane neutral.	0 degrees	0 degrees	7 degrees 30 minutes up.	6 degrees 30 minutes up.

TAILPLANE RANGE OF MOVEMENT (Mk 6A and 9)

TABLE 1

SMS

Continued

AIRFRAME
SP 124 (6)

SERVICING PROCEDURES
FUNCTIONAL CHECKS AND TESTS
HUNTER ALL MARKS

AP101B-1300-5A3B
Sect 2
Chap 1

TAILPLANE - RANGE OF MOVEMENT CHECK

Trim	Control Column	Incidence		Elevator angle relative to tailplane	
		Maximum	Minimum	Maximum	Minimum
Fully negative	Moved forward.	Plus 36 minutes.	Plus 16 minutes.	8 degrees 30 minutes down.	7 degrees 30 minutes down.
	Moved aft until tailplane just moves.	As reading above plus 0 minus 2.		7 degrees 30 minutes down.	6 degrees 30 minutes down.
	Full aft.	Fully negative tailplane control 'OFF'.		19 degrees 30 minutes up.	18 degrees up.
	Moved forward until tailplane just moves.	As above plus 2 minus 0 minutes.		1 degrees 30 minutes down.	30 minutes down.

TAILPLANE RANGE OF MOVEMENT (MK 6A and 9)

(Contd)

TABLE 1 (Contd)

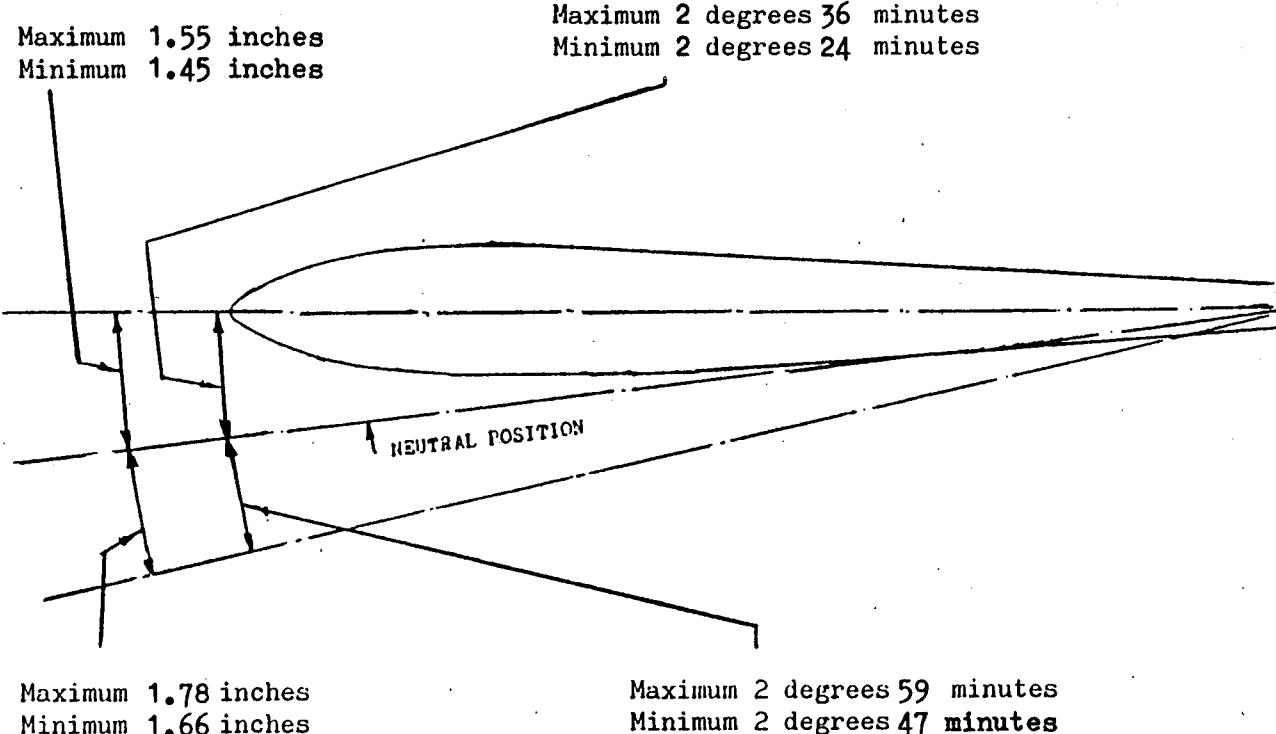
SMS/

AIRFRAME
SP 124 (7)

SERVICING PROCEDURES
FUNCTIONAL CHECKS AND TESTS
HUNTER ALL MARKS

AP101B-1300-5A3B
Sect 2
Chap 1

TAILPLANE - RANGE OF MOVEMENT CHECK



TAILPLANE INCIDENCE - (Main Control Switch 'OFF')

FIG 2

SMS/

Continued

AIRFRAME
SP 124 (8)

SERVICING PROCEDURES
FUNCTIONAL CHECKS AND TESTS
HUNTER ALL MARKS

AP101B-1300-5A3B
Sect 2
Chap 1

TAILPLANE - RANGE OF MOVEMENT CHECK

Trim	Control Column	Incidence		Elevator angle relative to tailplane	
		Maximum	Minimum	Maximum	Minimum
Neutral	Neutral	0 degrees	0 degrees	0 degrees	0 degrees
	Full forward.	Fully positive tailplane control 'OFF'.		7 degrees down.	5 degrees 30 minutes down.
	Full aft.	Fully negative tailplane control 'OFF'.		18 degrees. 30 minutes up.	17 degrees up.
Fully positive	Full forward.	Fully positive tailplane control 'OFF'.		7 degrees down.	5 degrees 30 minutes down.
	Moved aft until tailplane just moves.	As reading above plus 0 minus 2 minutes.		1 degree 22 minutes up.	1 degree 7 minutes up.
	Moved aft to tailplane neutral.	0 degrees.	0 degrees	8 degrees up.	7 degrees up.
	Full aft.	Minus 1 degree 52 minutes.	Minus 2 degrees 12 minutes.	19 degrees 30 minutes up.	18 degrees up.
	Moved forward until tailplane just moves.	As above plus 2 minus 0 minutes.		17 degrees up.	15 degrees 30 minutes up.
	Moved forward to tailplane neutral.	0 degrees	0 degrees	6 degrees 30 minutes up.	5 degrees 30 minutes up.

TAILPLANE RANGE OF MOVEMENT (Mk 7, 7A and 8B)

TABLE 2

SMS/

Continued

AIRFRAME
SP 124 (9)

SERVICING PROCEDURES
FUNCTIONAL CHECKS AND TESTS
HUNTER ALL MARKS

AP101B-1300-5A3B
Sect 2
Chap 1

TAILPLANE - RANGE OF MOVEMENT CHECK

Trim	Control Column	Incidence		Elevator angle relative to tailplane	
		Maximum	Minimum	Maximum	Minimum
Fully negative	Moved forward.	Plus 10 minutes.	Minus 20 minutes.	9 degrees 30 minutes down.	8 degrees 30 minutes down.
	Moved aft until tailplane just moves.	As reading above plus 0 minus 2.		8 degrees 30 minutes down.	7 degrees 30 minutes down.
	Full aft.	Fully negative tailplane control 'OFF'.		18 degrees 30 minutes up.	17 degrees up.
	Moved forward until tailplane just moves.	As above plus 2 minus 0 minutes.		2 degrees 30 minutes down.	30 minutes down.

TAILPLANE RANGE OF MOVEMENT (MK 7, 7A and 8B) (Contd)

TABLE 2 (Contd)

SMS/

AIRFRAME SP 125 (2)	SERVICING PROCEDURES FUNCTIONAL CHECKS AND TESTS HUNTER ALL MARKS	AP101B-1300-5A3B Sect 2 Chap 1	SERVICING RECORD		RAF Form 2988B (Revised Jan 85)			
			Aircraft Ser No: Date:		TRADESMAN		Brief Details of Suspected Defect and SNOW When Applicable	
MAIN CONTROLS - RANGE OF MOVEMENT CHECK			Code	MAN HRS 1	INITS & TDM 2	3	MAN HRS 4	INITS & TDM 5
SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD								
BLOCK 1 AIRFRAME								
2. Preparation (Contd)								
NB: Sub-item 2.5 is applicable only to aircraft Post Mod 690.								
2.5	Aileron accumulator.	Replenish with air. (900 lbf/in ²).						
2.6	Elevator accumulator.	Replenish with air. (1575 lbf/in ²).						
2.7	Hydraulic reservoir.	Replenish. (5A2 Sect 2).						
2.8	Ground test connection. blanking caps.	Remove.						
2.9	Hydraulic servicing trolley.	(i) connect. (ii) Start.						
2.10	Aileron and elevator selector switches.	Set to 'POWER ON'.						
BLOCK 2 AIRFRAME								
3. Ailerons Range of Movement								
3.1	Control column.	Move to Port.						
3.2	Ailerons.	(i) Check Port aileron is up between 4.55 and 4.9 in. (ii) Check Starboard aileron is down between 4.55 and 4.9 in.						
3.3	Control column.	Move to Starboard.						
SMS/ 7/18			Continued					

AIRFRAME SP 125 (3)		SERVICING PROCEDURES FUNCTIONAL CHECKS AND TESTS HUNTER ALL MARKS		AP101B-1300-5A3B Sect 2 Chap 1		SERVICING RECORD		RAF Form 2988B (Revised Jan 85)			
MAIN CONTROLS - RANGE OF MOVEMENT CHECK						Aircraft Ser No: Date:					
						TRADESMAN		Brief Details of Suspected Defect and SNOW When Applicable		SUPERVISOR	
						Code	MAN HRS 1	INITS & TDM 2		MAN HRS 4	INITS & TDM 5
BLOCK 1		AIRFRAME									
3. <u>Ailerons Range of Movement</u> (Contd)											
3.4 Ailerons.		(i) Check Starboard aileron is up between 4.55 and 4.9 in. (ii) Check Port aileron is down between 4.55 and 4.9 in.									
3.5 Control column.		Move to neutral.									
3.6 Ailerons.		Check backlash at trailing edge does not exceed 0.15 in.									
BLOCK 2		AIRFRAME									
NB: Item 4 is applicable only to Mk 7, 7A and 8B aircraft Pre Mod 841.											
4. <u>Elevators Range of Movement</u>											
4.1 Control column.		Move forward.									
4.2 Elevators.		Check elevators move down between 2.7 and 2.88 in.									
4.3 Control column.		Move rearwards.									
4.4 Elevators.		Check elevators move up between 6.46 and 6.61 in.									
4.5 Control column.		Move to neutral.									
4.6 Elevators.		Check backlash at trailing edge is between 0.03 and 0.2 in.									

SMS/ 2

Continued

AIRFRAME SP 125 (4)		SERVICING PROCEDURES FUNCTIONAL CHECKS AND TESTS HUNTER ALL MARKS	AP101B-1300-5A3B Sect 2 Chap 1	SERVICING RECORD		RAF Form 29888	
<u>MAIN CONTROLS - RANGE OF MOVEMENT CHECK</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		
				MAN HRS 1	INITS & TDM 2	MAN HRS 4	INITS & TDM 5
BLOCK 1	AIRFRAME						
	Item 5 is applicable only to Mk6, 6A and 9 aircraft Post Mod 841.						
5.	<u>Elevator Range of Movement</u>						
5.1	Control column.	Move forward.					
5.2	Elevators.	Check elevators move down between 2.7 and 2.88 in.					
5.3	Control column.	Move rearwards.					
5.4	Elevators.	Check elevators move up between 6.166 and 6.32 in.					
5.5	Control column.	Move to neutral.					
5.6	Elevators.	Check backlash at trailing edge is between 0.03 and 0.2 in.					
BLOCK 2	AIRFRAME						
6.	<u>Rudder Range of Movement</u>						
6.1	Rudder pedals.	Move to Port.					
6.2	Rudder.	Check rudder moves to Port between 6.06 and 6.21 in.					
6.3	Rudder pedals.	Move to Starboard.					
6.4	Rudder.	Check rudder moves to Starboard between 6.06 and 6.21 in.					

AIRFRAME
SP 125 (5)

SERVICING PROCEDURES
FUNCTIONAL CHECKS AND TESTS
HUNTER ALL MARKS

AP101B-1300-5A3B
Sect 2
Chap 1

SERVICING RECORD

RAF Form 2988B

Aircraft Ser No:
Date:

MAIN CONTROLS - RANGE OF MOVEMENT CHECK

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

BLOCK 1

AIRFRAME

6. Rudder Range of Movement cont.

6.5 Rudder pedals.

Move to neutral.

6.6 Rudder.

Check backlash at trailing edge does not exceed 0.2 in.

BLOCK 2

AIRFRAME

7. Completion

7.1 Aileron and elevator selector switches.

Set to 'POWER OFF'.

7.2 Hydraulic servicing trolley.

(i) Stop.
(ii) Disconnect.

7.3 Ground test connection blanking caps.

Refit.

BLOCK 3

ELECTRICAL

8. Completion

8.1 External electrical power supply.

(i) Switch off.
(ii) Disconnect.

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

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AIRFRAME SP 126 (2)		SERVICING PROCEDURES FUNCTIONAL CHECKS AND TESTS HUNTER ALL MARKS		AP101B-1300-5A3B Sect 2 Chap 1		SERVICING RECORD Aircraft Ser No: Date:				RAF Form 2988B (Revised Jan 85)	
TRIM CONTROLS - RANGE OF MOVEMENT CHECK						TRADESMAN		Brief Details of Suspected Defect and SNOW When Applicable		SUPERVISOR	
SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD						Code *	MAN HRS 1	INITS & TDM 2	MAN HRS 3	INITS & TDM 4	
BLOCK 1 AIRFRAME											
3. <u>Aileron Trim Tab Check</u> (Contd) 3.3 Trim switch. Set to Starboard. 3.4 Aileron trim tab. Check up between 1.1 and 1.4 in. 3.5 Trim switch. Set neutral (Indicated). 3.6 Aileron trim tab. Check in basic position as recorded in Form 700.											
BLOCK 2 AIRFRAME											
NB: During Item 4 the Pupil's trim switch is to be used on Mk 7, 7A and 8B aircraft.											
4. <u>Rudder Trim Tab Check</u> 4.1 Trim switch. Turn to Port. 4.2 Rudder trim tab. Check to Starboard 0.55 in. 4.3 Trim switch. Turn to Starboard. 4.4 Rudder trim tab. Check to Port 0.5 in. 4.5 Trim switch. Set to neutral (Indicated). 4.6 Rudder trim tab. Check in basic position as recorded in Form 700.											
SMS/ 24.11										Continued	

AIRFRAME SP 129 (1) (1 to 7)					SERVICING PROCEDURES FUNCTIONAL CHECKS AND TESTS HUNTER ALL MARKS		AP101B-1300-5A3B Sect 2 Chap 1		SERVICING RECORD Aircraft Ser No: Date:		RAF Form 2988B (Revised Jan 85)	
AMENDED TO INCLUDE MK 9 CONTENT UNDERCARRIAGE OPERATING 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		SUPERVISOR	
TRADE AF Elect	M/HRS	TRADE	M/HRS	SP 25			Code	MAN HRS 1	INITS & TDM 2	MAN HRS 3	INITS & TDM 4	MAN HRS 5
Special Tools and Equipment: Pin Resetting Tool, 27Q/34904.												
BLOCK 1 AIRFRAME												
1. Preparation 1.1 Aircraft. Raise on jacks.												
BLOCK 2 ELECTRICAL												
2. Preparation 2.1 External electrical power supply. (i) Connect. (ii) Switch on.												
BLOCK 3 AIRFRAME												
3. Preparation 3.1 Undercarriage ground safety locks. Ensure removed.												
3.2 Refuelling cap. Ensure secure.												
3.3 Ground test connection blanking caps. Remove.												
3.4 Hydraulic servicing trolley. (i) Connect. (ii) Start.												
SMS/ 30												Continued

AIRFRAME SP 129 (2)		SERVICING PROCEDURES FUNCTIONAL CHECKS AND TESTS HUNTER ALL MARKS		AP101B-1300-5A3B Sect 2 Chap 1	SERVICING RECORD		RAF Form 2988B (Revised Jan 85)	
<u>UNDERCARRIAGE OPERATING SYSTEM</u>		SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD		Code	Aircraft Ser No: Date:			
					TRADESMAN		Brief Details of Suspected Defect and SNOW When Applicable	
		MAN HRS 1	INITS & TDM 2		MAN HRS 4	INITS & TDM 5		
BLOCK 1		AIRFRAME						
3. <u>Preparation</u> (Contd)								
3.5 Port and Starboard leg fairing flap adjusting rods.		Lengthen.						
3.6 Port and Starboard leg fairing adjusting rods.		Lengthen.						
3.7 Port and Starboard wheel fairing adjusters.		Lengthen (Outboard).						
3.8 Mainwheel.		Remove. (SP 25).						
3.9 Wheel hub.		Fit.						
BLOCK 2		AIRFRAME						
NB: On Mk 7, 7A and 8B aircraft, Sub-items 4.1 to 4.4 are to be carried out using Pupil's selector.								
4. <u>Testing</u>								
4.1 Undercarriage selector.		Set to 'UP'.						
4.2 Hydraulic test rig.		Disengage before undercarriage is fully up.						
4.3 Hand pump.		Use to retract undercarriage fully.						
4.4 Undercarriage units.		Ensure not fouling other parts of aircraft.						
4.5 Undercarriage indicator. (Cockpit).		Ensure operating correctly.						
SMS/ 30A							Continued	

AIRFRAME SP 129 (3)	SERVICING PROCEDURES FUNCTIONAL CHECKS AND TESTS HUNTER ALL MARKS	AP101B-1300-5A3B Sect 2 Chap 1	SERVICING RECORD		RAF Form 29888
<u>UNDERCARRIAGE OPERATING SYSTEM</u>			Aircraft Ser No: Date:		
			TRADESMAN	Brief Details of Suspected Defect and SNOW When Applicable	SUPERVISOR
MAN HRS	INITS & TDM	1			
			MAN HRS	INITS & TDM	4
SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD					
BLOCK 1	AIRFRAME				
4. <u>Testing</u> cont.					
NB: Sub-items 4.6 and 4.7 are applicable only to GA9 aircraft.					
4.6	Wheel hub.	Check clearance. (AP101B-1307/8-1 Sect 3).			
4.7	Wheel fairings, leg fairings and fairing flaps.	Adjust (AP101B-1307/8-1 Sect 3).			
NB: Sub-items 4.8 and 4.9 are applicable only to T7, T7A and 8B aircraft.					
4.8	Wheel hub.	Check clearance. (AP101B-1302-1 Sect 3)			
4.9	Wheel fairings, leg fairings and fairing flaps.	Adjust. (AP101B-1302-1 Sect 3)			
4.10	Undercarriage doors and fairings.	Ensure flush fitting when closed.			
4.11	Undercarriage selector.	Set to 'DOWN'.			
4.12	Undercarriage units.	Ensure not fouling other parts of aircraft.			
4.13	Undercarriage indicator green lamps. (3 off) (Cockpit).	Ensure lit.			
4.14	Wheel hub.	Remove.			
4.15	Mainwheel.	Refit. (SP 25).			
4.16	Repeat Sub-items 4.1 to 4.9 with the complete wheel assembly fitted.				

AIRFRAME
SP 129 (4)

SERVICING PROCEDURES
FUNCTIONAL CHECKS AND TESTS
HUNTER ALL MARKS

AP101B-1300-5A3B
Sect 2
Chap 1

SERVICING RECORD

RAF Form 29888

Aircraft Ser No:
Date:

UNDERCARRIAGE OPERATING SYSTEM

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

BLOCK 1

AIRFRAME

4. Testing cont.

NB: Sub-items 4.17 to 4.26 inclusive are applicable only to Mk7, 7A and 8B aircraft.

4.17 Instructor's selector.	Set to 'UP'.
4.18 Undercarriage units.	Ensure retract.
4.19 Instructor's selector.	Ensure Pupil button cannot be depressed.
4.20 Pupil's selector.	Set to 'UP'.
4.21 Instructor's selector.	(i) Set to 'PUPIL'. (ii) Set to 'DOWN'.
4.22 Undercarriage units.	Ensure extend.
4.23 Undercarriage indicator green lamps. (3 Off).	Ensure lit.
4.24 Instructor's selector.	Ensure Pupil button cannot be depressed.
4.25 Pupil's selector.	Set to 'DOWN'.
4.26 Instructor's selector.	Set to 'PUPIL'.

BLOCK 2

ELECTRICAL

5. Preparation

NB Sub-item 5.1 is applicable only to Mk6, 6A and GA9 aircraft.

5.1 Fuse No 2 (Port cabin shelf). Remove.

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

AIRFRAME SP 129 (5)	SERVICING PROCEDURES FUNCTIONAL CHECKS AND TESTS HUNTER ALL MARKS	AP101B-1300-5A3B Sect 2 Chap 1	SERVICING RECORD		RAF Form 2988B			
			Aircraft Ser No: Date:					
<u>UNDER CARRIAGE OPERATING SYSTEM</u>								
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	ELECTRICAL		MAN HRS 1	INITS & TDM 2	MAN HRS 4			
5.	<u>Preparation</u> cont.							
NB:	Sub-item 5.2 is applicable only to T7 aircraft.							
5.2	Fuse No 3 (Main fuse box). Remove.							
NB:	Sub-item 5.3 is applicable only to T7A and 8B aircraft.							
5.3	Fuse No 8 (Main fuse box). Remove.							
BLOCK 2	AIRFRAME							
6.	<u>Testing</u> (Emergency 'UP' Selector Switch)							
NB:	On T7, 7A and 8B aircraft Item 6 is to be carried out using the Instructor's selector.							
6.1	Undercarriage selector.	(i) Ensure up button inoperative. (ii) Rotate up button collar 60 degrees. (iii) Set to 'UP'.						
6.2	Undercarriage units.	Ensure retract.						
6.3	Undercarriage selector.	(i) Set to 'DOWN'. (ii) Reset UP button collar using pin resetting tool, 27Q/34904.						
6.4	Undercarriage units.	Ensure extend.						

AIRFRAME SP 129 (6)	SERVICING PROCEDURES FUNCTIONAL CHECKS AND TESTS HUNTER ALL MARKS	AP101B-1300-5A3B Sect 2 Chap 1	SERVICING RECORD		RAF Form 2988B		
			Aircraft Ser No: Date:				
<u>UNDERCARRIAGE OPERATING SYSTEM</u>			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
BLOCK 1 AIRFRAME 7. <u>Testing (Emergency 'UP' Selector Switch)</u> NB: Item 7 is applicable only to Mk 7, 7A and 8B aircraft. 7.1 Repeat Sub-item 6.1 to 6.4 inclusive using students selector.							
BLOCK 2 ELECTRICAL 8. <u>Completion</u> NB: Sub-item 8.1 is applicable only to Mk 6, 6A and 9 aircraft. 8.1 Fuse No 2 (Port cabin shelf). Refit. NB: Sub-item 8.2 is applicable only to T7 aircraft. 8.2 Fuse No 3 (Main fuse box). Refit. NB: Sub-item 8.3 is applicable only to T7A and 8B aircraft. 8.3 Fuse No 8 (Main fuse box). Refit.							
BLOCK 3 AIRFRAME 9. <u>Completion</u> 9.1 Undercarriage ground safety locks. Fit. 9.2 Undercarriage units. Ensure fully down. 9.3 Undercarriage indicator green lamps (3 off). Ensure indicates correctly.							

AIRFRAME SP 129 (7)		SERVICING PROCEDURES FUNCTIONAL CHECKS AND TESTS HUNTER ALL MARKS	AP101B-1300-5A3B Sect 2 Chap 1	SERVICING RECORD		RAF Form 2988B		
<u>UNDERCARRIAGE OPERATING SYSTEM</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	
				MAN HRS 1	INITS & TDM 2	3	MAN HRS 4	INITS & TDM 5
BLOCK 1		AIRFRAME						
9. <u>Completion</u> cont.								
9.4 Hydraulic servicing trolley.		(i) Stop. (ii) Disconnect.						
9.5 Ground test connection blanking caps.		Refit.						
BLOCK 2		ELECTRICAL						
10. <u>Completion</u>								
10.1 External electrical power supply.		(i) Switch off. (ii) Disconnect.						
BLOCK 3		AIRFRAME						
11. <u>Completion</u>								
11.1 Aircraft.		Lower to ground.						

AIRFRAME SP 132 (1) (1 to 5)		SERVICING PROCEDURES FUNCTIONAL CHECKS AND TESTS HUNTER ALL MARKS		AP101B-1300-5A3B Sect 2 Chap 1	SERVICING RECORD		RAF Form 2988B		
					Aircraft Ser No: Date:				
					TRADESMAN		Brief Details of Suspected Defect and SNOW When Applicable		
					MAN HRS 1	INITS & TDM 2	3	MAN HRS 4	INITS & TDM 5
SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD									
TRADE A/F	M/HRS	TRADE Elect	M/HRS	ASSOCIATED PROCEDURE CARDS					
Special Tools and Equipment: Hood Seal Inflator, 4F/1812. Connection Adaptor for Pressure Gauges, 4F/1810 (2 off). Pressure Gauges, 6A/1582 (2 off).									
BLOCK 1		ELECTRICAL							
1. <u>Preparation</u>									
1.1 Pitot/Static system.		Ensure every item of equipment in a pressurized area served by pitot/static pipelines is connected and where a component has been removed, ensure pipelines are blanked off before pressurization is commenced.							
BLOCK 2		AIRFRAME							
2. <u>Preparation</u>									
Sub-item 2.1 is applicable only to Mk6, 6A and 9 aircraft.									
2.1 Detachable hood fairing.		Ensure fitted.							
2.2 Ground test connection.		(i) Remove blanking cap. (ii) Fit adaptor.							

AIRFRAME
SP 132 (2)

SERVICING PROCEDURES
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HUNTER ALL MARKS

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CABIN PRESSURIZATION SYSTEM - TEST

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

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

BLOCK 1 AIRFRAME

2. Preparation cont.
- 2.3 Test trolley. Connect.
- 2.4 Cabin pressure test connection.
 - (i) Remove blanking cap.
 - (ii) Fit adaptor and hose.
- 2.5 Pressure gauge. Fit.
- 2.6 Hood seal inflation supply connection.
 - (i) Remove blanking cap.
 - (ii) Fit hose, gauge and inflator.
- 2.7 Foot pump. Connect.
- 2.8 Static vent.
 - (i) Disconnect pipe.
 - (ii) Fit blank.
- 2.9 Flying controls. Ensure in manual.

BLOCK 2 ELECTRICAL

3. Preparation
- 3.1 External electrical power supply.
 - (i) Connect.
 - (ii) Switch on.

Sub-item 3.2 is applicable only to Mk6, 6A and 9 aircraft.
- 3.2 Hood motor clutch. Set to 'LOCKED'.
- 3.3 Canopy control plug. Fit in external socket.
- 3.4 Cabin pressure switch. Set to 'ON'.

AIRFRAME
SP 132 (3)

SERVICING PROCEDURES
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CABIN PRESSURIZATION SYSTEM - TEST

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

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Aircraft Ser No:
Date:

BLOCK 1	AIRFRAME	TRADESMAN	Brief Details of Suspected Defect and SNOW When Applicable		SUPERVISOR	
			MAN HRS 1	INITS & TDM 2	MAN HRS 4	INITS & TDM 5
4.	<u>Testing</u>					
4.1	Canopy.	Close using external switch. Sub-item 4.2 is applicable only to Mk6, 6A and 9 aircraft.				
4.2	Canopy seal micro switch.	Ensure cut-in occurs when gap between canopy and windscreens is 0.03 in. minimum.				
4.3	Canopy seal.	Maintain pressure of 8 lbf/in ² .				
4.4	Seal and extractor valve.	Ensure not leaking.				
4.5	Test trolley.	(i) Start. (ii) Ensure blow off setting does not exceed 5 lbf/in ² .				
4.6	Cockpit.	(i) Pressurize to 3½ lbf/in ² . (ii) Look for leaks. (iii) Ensure leakage rate does not increase when flying control surfaces are moved.				
4.7	Test trolley.	Stop.				
4.8	Cockpit.	Check time taken for pressure to drop from 3½ to 1¾ lbf/in ² is not less than 30 secs.				
4.9	Static vent.	(i) Remove blank. (ii) Connect pipe.				
4.10	Hood seal.	Ensure pressurized to 8 lbf/in ² .				

AIRFRAME
SP 132 (4)

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Date:

CABIN PRESSURIZATION SYSTEM - TEST

SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK
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BLOCK 1 AIRFRAME

4. Testing cont.

4.11 Foot pump. Disconnect.

4.12 Hood seal. Check time taken for pressure to drop
to $6\frac{1}{2}$ lbf/in² is not less than 5 minutes.

4.13 Canopy. Open.

BLOCK 2 ELECTRICAL NCO

5. Completion

Sub-item 5.1 is applicable only to Mk6, 6A and 9 aircraft.

5.1 Hood motor clutch. Set to 'FREE'.

5.2 Cabin pressure switch. Set to 'OFF'.

5.3 Canopy control plug. Fit to internal socket.

5.4 External electrical power supply. (i) Switch off.
(ii) Disconnect.

BLOCK 3 AIRFRAME

6. Completion

6.1 Canopy seal inflation supply connection. (i) Remove hose, gauge and inflator.
(ii) Fit blanking cap.

6.2 Cabin pressure test connection. (i) Remove gauge, hose and adaptor.
(ii) Fit blanking cap.

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MAN HRS	INITS & TDM	1	2	MAN HRS	INITS & TDM

AIRFRAME
SP 132 (5)

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DETAILED ON THIS CARD

BLOCK 1

AIRFRAME

6. Completion cont.

6.3 Test trolley. Disconnect.

6.4 Ground test connection.

- (i) Remove adaptor.
- (ii) Fit blanking cap.

AIRFRAME SP 140 (1) (1 to 4)		SERVICING PROCEDURES FUNCTIONAL CHECKS AND TESTS HUNTER ALL MARKS				AP101B-1300-5A3B Sect 2 Chap 1		SERVICING RECORD		RAF Form 2988B				
<u>HOOD JETTISON SYSTEM - FUNCTIONAL TEST</u> Applicable to Mk6, 6A and 9 a/c only.										Aircraft Ser No: Date:				
SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD										TRADESMAN				
TRADE A/F	M/HRS	TRADE Elect	M/HRS	ASSOCIATED PROCEDURE CARDS SP 172A, 403 and 449						MAN HRS 1	INITS & TDM 2	Brief Details of Suspected Defect and SNOW When Applicable 3	SUPERVISOR	
				MAN HRS 4		INITS & TDM 5								
<u>Special Tools and Equipment:</u> Wrench, Torque Richmond LTC 2 (1C/0205645) Head, Crow $\frac{1}{2}$ in. Whit (1C/1354292)														
BLOCK 1 ELECTRICAL NB: Item 1 is applicable only to Mk6 and 6A aircraft.														
1. <u>Preparation</u> 1.1 Batteries. Ensure switched off. 1.2 External power supply. (i) Connect. (ii) Switch on. 1.3 GGS master switch. (i) Set to 'ON'. (ii) Ensure retractable mounting operates to 'COMBAT' position.														
BLOCK 2 AIRFRAME 2. <u>Preparation</u> 2.1 Jettison jack metal disc. Remove and retain. 2.2 Jettison jack gas pipe connection. Disconnect. 2.3 Elbows. Remove from guns.														

AIRFRAME
SP 140 (2)

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HOOD JETTISON SYSTEM - FUNCTIONAL TEST

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Date:

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	MAN HRS	INITS & TDM 1 2	MAN HRS	INITS & TDM 4 5

BLOCK 1

AIRFRAME

2. Preparation cont.

2.4 Test union and washer. Connect to hood firing unit.

2.5 Test rig. Connect to union.

2.6 Low pressure trolley Mk2. Connect to test rig.

2.7 System. Blow through pipelines to expel moisture.

2.8 Elbows.

- (i) Connect to jacks.
- (ii) Screw fully home.
- (iii) Slacken not more than one complete turn to facilitate connection to gas pipe.
- (iv) Tighten lock nut.
- (v) Lightly lubricate gas pipe connection with grease XG-285.
- (vi) Connect gas pipe union and torque load to 35 lbf ft, (420 lbf in).
- (vii) Wire lock union with wire 22SWG.

BLOCK 2

AIRFRAME

3. Testing

NB: During the following operation a piece of hardwood 2in x 1in x 3in is to be held over jettison jacks to prevent excessive piston travel.

3.1 Air supply valve. Set to 90 lbf/in².

AIRFRAME
SP 140 (3)

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HOOD JETTISON SYSTEM - FUNCTIONAL TEST

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BLOCK 1

AIRFRAME

3. Testing cont.

3.2 0-100 lb spring balance. Attach to internal canopy jettison handle.

3.3 Test rig release valve. Open.

3.4 Spring balance.

- (i) Pull until sear is withdrawn.
- (ii) Ensure pull-off does not exceed 55 lb.
- (iii) Ensure retractable mounting retracts.

NB: If pull-off load exceeds 55 lb carry out SP 403.

3.5 Jettison jack pistons. Ensure extended.

3.6 Air release valve.

- (i) Close.
- (ii) Release air pressure.

3.7 Internal jettison handle.

- (i) Reset to original position.
- (ii) Ensure retractable mounting returns to 'COMBAT' position.

BLOCK 2

ELECTRICAL

NB: Item 4 is only applicable to Mk6 and 6A aircraft.

4. Completion

4.1 GGS master switch.

- (i) Switch 'OFF'.
- (ii) Ensure retractable mounting retracts.

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

AIRFRAME
SP. 140 (4)

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HOOD JETTISON SYSTEM - FUNCTIONAL TEST

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BLOCK 1

ELECTRICAL

4. Completion cont.

4.2 External power supply.

- (i) Switch off.
- (ii) Disconnect.

BLOCK 2

AIRFRAME

5. Completion

5.1 Jettison jack pistons.

Return to normal position by finger pressure.

5.2 Spring release unit.

Reset (SP 449).

5.3 Low pressure trolley Mk2.)

)

5.4 Test rig.)

Disconnect.

5.5 Test union and washer.)

)

5.6 Jettison jack metal discs.

Refit and cover with black adhesive tape 1½ in. wide 3 in. long.

5.7 Telescopic spring loaded rods.

Examine, paying particular attention to rivets.

SERVICING RECORD

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Date:

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



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