

AL 22

FLIGHT SERVICING SCHEDULE  
HUNTER ALL MKS  
AFTER FLIGHT SERVICINGSAPI01B-1300-581  
1st Edition  
Section 3

## List of Contents

							Card No	No of Cards
► Man A	...	...	...	...	...	...	1- 6	6
Man B	...	...	...	...	...	...	1- 5	5
Man C - Weapons	...	...	...	...	...	...	1-3	3

## List of Chapters (Trades)

Chapter 1 Airframe	...	...	...	...	...	...	Nil	Nil
Chapter 2 Weapons	...	...	...	...	...	...	1	1
Chapter 3 Electrical	...	...	...	...	...	...	Nil	Nil
Chapter 4 Propulsion	...	...	...	...	...	...	Nil	Nil
Chapter 6 Fit Syst	...	...	...	...	...	...	Nil	Nil
Chapter 7 Air Radar	...	...	...	...	...	...	Nil	Nil
Chapter 8 Air Comms	...	...	...	...	...	...	Nil	Nil
Chapter 9 Photographic	...	...	...	...	...	...	1	1

## List of Contents (Trade)

					Man A Cards	Man B Cards	Man C Cards	Chap/ Cards
► Airframe	...	...	...	...	1-6	Nil	Nil	Nil
Weapons	...	...	...	...	Nil	Nil	1-4	Nil
Electrical	...	...	...	...	1	1-4	Nil	Nil
Propulsion	...	...	...	...	1	1-4	Nil	Nil
Flt Syst	...	...	...	...	1	Nil	Nil	Nil
Air Radar	...	...	...	...	Nil	2	Nil	Nil
Air Comms	...	...	...	...	Nil	2 & 3	Nil	Nil
Photographic	...	...	...	...	Nil	Nil	Nil	1

SMA 39/6/11

Man A  
Card 1  
AL 22

FLIGHT SERVICING SCHEDULE AP101B-1300-5B1  
HUNTER ALL MARKS 1st Edition  
AFTER FLIGHT SERVICING Section 3

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

AIRFRAME

Cockpit

011701	Brake parachute selector switches.	Ensure set to "OFF".	ALL
011801	Arrester gear selector switches. (If fitted).	Ensure set to "OFF".	ALL
011301	Aileron system	Ensure hydraulic	ALL
011302	Elevator system	pressure exhausted.	
011304	Tailplane trim system.	Operate.	ALL
016701	Main oxygen system.	Replenish. (5A2 Sect 2).	ALL

ELECTRICAL

Cockpit

036602	Accelerometer.	(i) Observe reading. (Ensure between +7 and -3.75G) (ii) Reset.	ALL
031702	Brake parachute door lock indicator pins.	Ensure correctly locked.	ALL

PROPELLION

Cockpit

046401	Top temperature control switch.	Ensure tell-tail wire intact.	ALL
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FLT SYST

Cockpit

067302	Height and VSI.	Check zero setting.	7A & 8B
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Man A  
Card 2  
AL 22

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**AIRFRAME**

Cockpit

- 010212 Windscreen. ) (i) Clean. ALL  
010213 Canopy. ) (ii) Look for damage.  
010215 Silica gel container. Replace crystals if ALL  
discoloured.

**AIRFRAME**

General

- 010101 External areas. Look for obvious ALL  
damage and signs of  
leaks.

**AIRFRAME**

Nose Undercarriage Compartment

- 013012 Front door. Look for obvious ALL  
damage.  
013021 Rear door. (i) Look for obvious ALL  
damage.  
(ii) Ensure secure.  
010204 Nose undercarriage ALL  
compartment. Look for obvious  
damage.  
013001 Undercarriage assy ALL  
structure. Look for obvious  
damage.  
013028 Door lock spigots. (i) Clean. ALL  
(ii) Lubricate.  
(Grease ZX-38).  
013009 Shock absorber strut. (i) Look for signs of ALL  
leaks.  
(ii) Ensure extension  
normal.  
(3.4 in min).  
013025 Nosewheel. Look for obvious ALL  
damage.  
013026 Tyre. Examine. ALL

SEE 10A

SMA/89/6/12A

Man A  
Card 3  
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AIRFRAME

Front Fuselage

- 010227 Hood external emergency release perspex window. (i) Ensure secure. (ii) Examine and particularly for cracks. ALL

- 015107 Cabin pressurization. Ensure drain clear. water extractor. ALL

Centre Fuselage

- 015111 Cabin pressurization cold air unit. Check oil level. (SA2 Sect 2). ALL

Port Undercarriage Compartment

- 010623 Structure. Look for obvious damage. ALL

- 012801 Undercarriage assy structure. Look for obvious damage. ALL

- 012813 Shock absorber strut. (i) Look for signs of leaks. (ii) Ensure extension normal. (10. in min0. ALL

- 012810 Swivel couplings. Look for obvious damage and signs of leaks. ALL

- 999999 Wheel door. Raise by hand. ALL

- 012815 Stop. Ensure secure. ALL

- 013124 Wheel door stop trunnion special screw. Ensure secure. ALL

- 999999 Wheel door. Lower. ALL

- 012828 Door lock spigots. (i) Clean. (ii) Lubricate. (Grease ZX-38). ALL

- 012829 Mainwheel. Look for damage. ALL

SMS 10

SMA 88/6/13

Man A  
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AIRFRAME

Port Undercarriage Compartment (contd)

012830	Tyre.	Examine.	ALL
013205	Brake operating cylinders.	Look for signs of leaks and obvious damage.	ALL
013207	Brake pads.	Check for wear. (1/8 in min).	ALL
013208	Wheel brakes.	Adjust. (If required).	ALL
013210	Maxaret wheel tyre.	Ensure positive contact with mainwheel.	ALL
103206	Friction plates.	Examine.	ALL
012831	Rear main pivot point fitting.	Look for cracks.	ALL

AIRFRAME

Port Mainplane

015201	Drop tanks. (100 gallon). (If fitted).	Look for signs of leaks and obvious damage.	ALL
016801	Pressure head.	Look for obvious damage.	ALL
010606	Pylon attachment bolts. (Pre Mod 964 and 965).	Ensure tight.	ALL

Tail Unit

011361	Elevator accumulator.	Check air pressure. (109 bar). (1575 lbf/in <sup>2</sup> ).	ALL
011350	Micronic filter	Ensure tell-tail devise flush.	All

SM A/39/6/13A

Man A  
Card 5  
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AIRFRAME

Tail Unit (contd)

Note: Item 131701 is applicable only if brake  
parachute has been streamed.

131701 Brake parachute. Replenish.  
(5A2 Sect 2).

Rear Fuselage

011712 Brake parachute door Ensure correctly locked.  
lock indicator pins.

Starboard Mainplane

015201 Drop tanks. Look for signs of leaks  
and obvious damage.

010606 Pylon attachment Ensure tight  
bolts.  
(Pre Mod 964 and 965).

AIRFRAME

Starboard Undercarriage Compartment

010623 Structure. )  
012801 Undercarriage assy ) Look for obvious  
structure. ) damage.

012831 Rear main pivot Look for cracks.  
point fitting.

012813 Shock absorber strut. (i) Look for signs of  
leaks.  
(ii) Ensure extension  
normal.  
(10 in min).

012810 Swivel couplings. Look for signs of leaks  
(Post Mod 978). and obvious damage.

999999 Wheel door. Raise by hand.

012815 Stop. Ensure secure.

9MA/89/6/14

Man A  
Card 6  
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AIRFRAME

Starboard Undercarriage Compartment (contd)

013124	Wheel door stop trunnion special screw.	Ensure secure.	ALL
999999	Wheel door.	Lower.	ALL
012828	Door lock spigots.	(i) Clean. (ii) Lubricate. (Grease ZX-38).	ALL
012829	Mainwheel.	Look for damage.	ALL
012830	Tyre.	Examine.	ALL
013205	Brake operating cylinders.	Look for signs of leaks and obvious damage.	ALL
013207	Brake pads.	Check for wear. (1/8 in min).	ALL
013208	Wheel brakes.	Adjust. (If required).	ALL
011375	Aileron accumulator.	Check air pressure. (900 lbf/in <sup>2</sup> ).	ALL
011376	Micronic filter.	Ensure tell-tail device flush.	ALL
013210	Maxeret wheel tyre.	Ensure positive contact with mainwheel.	ALL
103206	Friction plates.	Examine.	ALL
	<u>Front Fuselage</u>		
010201	Skin.	Remove soot deposits.	ALL
010210	Blast tubes.	Look for cracks at welds.	ALL

SMS 104

Man B  
Card 1  
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▶ PROPULSION

Centre Fuselage

- 043804 ECU combined overboard fuel drain. (i) Ensure fuel is ejected during engine rundown. (ii) Look for leaks. ALL

General

- 045201 Aircraft fuel system. (i) Replenish to amount detailed by NCO IC flight. (ii) Look for leaks. (Aircraft external). ALL

▶ ELECTRICAL

Radio Compartment

- 036001 Main batteries. (Type "J"). Look for signs of leaks and obvious damage. ALL

▶ PROPULSION

Port Air Intake

- 040301 Main air intake. Look for damage without entering intake. ALL
- 040303 Boundary bleeds. Examine as far as possible. ALL
- 040304 Boundary bleed spacers. Ensure secure. ALL
- 043805 Intake guide vanes. Look for damage without entering intake. ALL
- 043806 Compressor blades. Look for damage without entering intake. ALL

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SM1/89/6/15

Man B  
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AIR RADAR

Front Fuselage

077902 Tacan aerial Type 100A. Visually ensure intact.  
(If fitted).

ALL

076301 Upper IFF/SSR aerial )  
Type 100A or 100B. ) Visually ensure  
(If fitted). ) intact.

ALL

076302 Lower IFF/SSR aerial )  
Type 100A or 100B. )  
(If fitted). )

ALL

AIR COMMS

Port Mainplane

088602 Upper PTR 175 aerial. Visually ensure intact.  
(If fitted).

7A and 8B

SMS 10A

Centre Fuselage

088603 Lower PTR 175 aerial. Visually ensure intact.  
(If fitted).

7A and 8B

088402 UHF wideband aerial. Visually ensure intact.

ALL

ELECTRICAL

Centre Fuselage

080104 Fatigue meter. Record readings.

ALL

PROPELLION

045501 Extinguisher bottle discharge indicator. Ensure not protruding.  
(1% off).

ALL

044002 Engine oil sump. (i) Replenish.  
(Oil OX-38).  
(ii) Look for deterioration of  
filler neck seal.  
(iii) Ensure cap self  
locking wing nut  
tightened securely.

ALL

SMA/89/6/15A

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PROPELLION

Centre Fuselage (contd)

044402	Auxiliary gear box.	Replenish. (Oil OX-38).	ALL
044214	BTH turbo starter breeches.	Unload.	ALL
044101	Engine access panels.	(i) Ensure secure. (ii) Look for damage.	ALL
040306	Engine bleed valve ducting and louvres.	(i) Look for damage. (ii) Ensure unobstructed.	ALL

PROPELLION

Rear Fuselage

043812	LP turbine blades.	Look for damage without entering jet pipe.	ALL
043903	Jet pipe and rear fuselage.	Look for loose pieces of Alfoil jet pipe lagging in rear compartment.	ALL
043905	Jet pipe thermocouple.	Look for damage.	ALL

AIR COMMS

088202	Telebriefing plug Type 3570.	Look for obvious signs of damage.	ALL
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Starboard Mainplane

088502	Standby UHF rod.	Visually ensure intact.	ALL
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ELECTRICAL

Radio Compartment

036017	Sealed lead acid battery. (If fitted).	Look for signs of leaks and obvious damage.	7
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Man B  
Card 4  
Alt. 22

FLIGHT SERVICING SCHEDULE  
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**ELECTRICAL**

Front Fuselage

037301 Airstream Direction detector probe. (i) Look for damage. (ii) Ensure free to rotate. 8B

**PROPELLION**

040301 Starboard air intake. Look for damage without entering intake. ALL

040303 Boundary bleeds. Examine as far as possible. ALL

040304 Boundary bleed spacers. Ensure secure. ALL

043805 Intake guide vanes. Look for damage without entering intake. ALL

043806 Compressor blades. Look for damage without entering intake. ALL

SMS 10A

SMA/55/6/6A/SC

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

MARK

WEAPONS

Cockpit

026201 Weapons system selector switches.

Ensure set to 'SAFE':

ALL

WEAPONS

Ejection Seats

999999 Seat pan.

Raise to highest position.

ALL

999999 Neg-G strap.

(i) Lengthen.  
(ii) Ensure laid back to top of PSP and not passed through seatpan firing handle.

ALL

► 999999 Parachute harness straps.

(i) Lengthen.  
(ii) Ensure not tangled.  
(iii) Ensure routed correctly.

ALL

020803 Top latch plunger.

Ensure latch and indicating plungers are flush with each other and slightly below end of plunger housing.

ALL

020811 Drogue container flap pin safety tie.

Ensure intact.

ALL

020826 Scissor shackle safety tie.

Ensure intact.

ALL

020809 Drogue withdrawal line.

Ensure routed correctly.

ALL

020810 Drogue gun shackle.

Ensure secure to piston.

ALL

020807 Drogue gun static rod.

Ensure secure to anchorage bracket.

ALL

020815 Anti 'G' tube blanking plug.

Ensure secure.

ALL

020816 Low pressure oxygen hose.

Ensure secure to manifold and not under tension.

ALL

020817 Mic/tel connectors.

Ensure connected correctly.

ALL

020804 Barostatic time release unit static line.

Ensure secure to anchorage.

ALL

Item 020812 is applicable only to 4HA seats.

020812 Drogue link line.

Ensure routed outside parachute restraint straps and through jaws of guillotine unit.

ALL

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

WEAPONS

Ejection Seat(s) (Cont'd)

020827	Canopy jettison linkage.	Ensure connected to canopy firing unit sear.	ALL
020823	Emergency oxygen system upper rubber tubing.	(i) Carefully extend and ensure by feel, internal thread intact. (ii) Extend spring and examine particularly for cracking adjacent to quick release connection at lower end. (iii) Examine and particularly for cracking including upper end connection.	ALL
020822	Emergency oxygen bottle tell-tale wire.	Ensure intact.	ALL
020822	Emergency oxygen system upper rubber tubing sealing washer.	Ensure present.	ALL
130808	Harness quick release fitting.	Ensure in 'LOCKED' position.	ALL
020828	Manual separation handles.	Ensure locked down.	ALL
020830	Seat raising handle.	Ensure level with seat pan handle.	ALL
130801	Parachute and liferaft pack. (2 off).	(i) Examine and particularly for signs of contamination. (ii) Ensure correctly fitted.	ALL
020814	Leg restraint cords.	Ensure secure to anchor brackets.	ALL

SMS 10A

WEAPONS

Centre Fuselage

029101	Aden Gun.	Inhibit. (If fired).	7

Man C  
Card 3  
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MARK

WEAPONS

Port Mainplane

- 029302 EMRU No. 1 Mk 1. Ensure correctly cocked. ALL 10000
- 029501 SNEB Rocket installation. Examine. ALL 10000 (If fitted).

WEAPONS

Rear Fuselage

- 021701 Tail parachute release unit. Ensure cocked correctly. ALL

Starboard Mainplane

- 029302 EMRU No.1 Mk 1. Ensure cocked correctly. ALL 10000
- 029501 SNEB Rocket installation pylons. (If fitted). Look for obvious damage. 7 10000

10  
SMS

Safety and servicing notes are to be complied with throughout the work detailed on this card.

## AIRFRAME

Cockpit.

010217 Ejection seat pin stowage. Ensure secure.

## AIRFRAME

Aircraft General.

015204 230 gal. drop tank,  
(If fitted). Ensure secure, (tank empty).  
Look for signs of leaks and obvious damage.

015205 230 gal. drop tank  
bracing strut. (If fitted). Ensure secure.

## WEAPONS

Ejection Seat.

020805 Barostatic time release unit  
primary plunger cap. Ensure secure.

020813 Seat pan firing cable eye and tie.  
(3H seat only). Ensure secure.

130804 Slide disconnect safety tie. Ensure intact.

130805 Rip cord safety tie. Ensure intact.

130811 Webbing straps. Ensure secure.  
Look for contamination and damage.

## WEAPONS

Port and Stbd. Mainplanes.

Pylons. Inspect for damage.

## PROPELLION

Centre Fuselage.

045501 Extinguisher bottles discharge  
indicators (2 off). Ensure not protruding.

## PROPELLION

Port and Stbd. Air Intakes.

040302 Secondary air intakes. Check springs for damage.

Safety and servicing notes are to be complied with throughout the work detailed on this card.

## PROPULSION

Aircraft General.

I.P.N.

Replenish.

## PROPULSION

Fuel System.

045210 Fuel system resuperator bags test.

Battery master switch	Set to 'ON'.
Engine master switch	Set to 'ON'.
Booster pump	Switch 'ON'.
Main fuel vent pipe	Look for leaks.
Booster pump	Switch 'OFF'.
Engine master switch	Switch 'OFF'.
Battery master switch	Switch 'OFF'.

## WEAPONS

Port and Stbd. Mainplanes.

029307 Pylon E.R.U. safety breaks.

Disconnect.

Card 1 of 1

FLIGHT SERVICING SCHEDULE  
HUNTER T Mk 7  
A&A.E.E. SUPPLEMENTARY SERVICING  
AFTER FLIGHT SERVICING

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Oct. 1989

Safety and servicing notes are to be complied with throughout the work detailed on this card.

Sept. 1989

WEAPONS

Procedure after spinning or if drop tank is loose after flight.

- (a) Ensure drop tanks are empty.
- (b) Place trolley under tank.
- (c) Re-torque tank.
- (d) 029302 EMRU No. 1 Mk 1 - Ensure correctly cocked.

Chap 9 PHOTOGRAPHIC  
Card 1  
AL 21

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PHOTOGRAPHIC INSTALLATION (IF FITTED)

Cockpit

Item 099401 is applicable only if recorder is fitted.

099401 GGS recorder. Operate/Unload.  
(Annex 7). ALL

Front Fuselage

► 099403 G90 camera.  
(If fitted for use). Operate/Unload.  
(Annex 8). ALL

099405 G90 optical flat.  
(If camera fitted  
for use). Look for obvious damage. ALL

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