

HUNTER AIRCRAFT SERVICING SCHEDULES

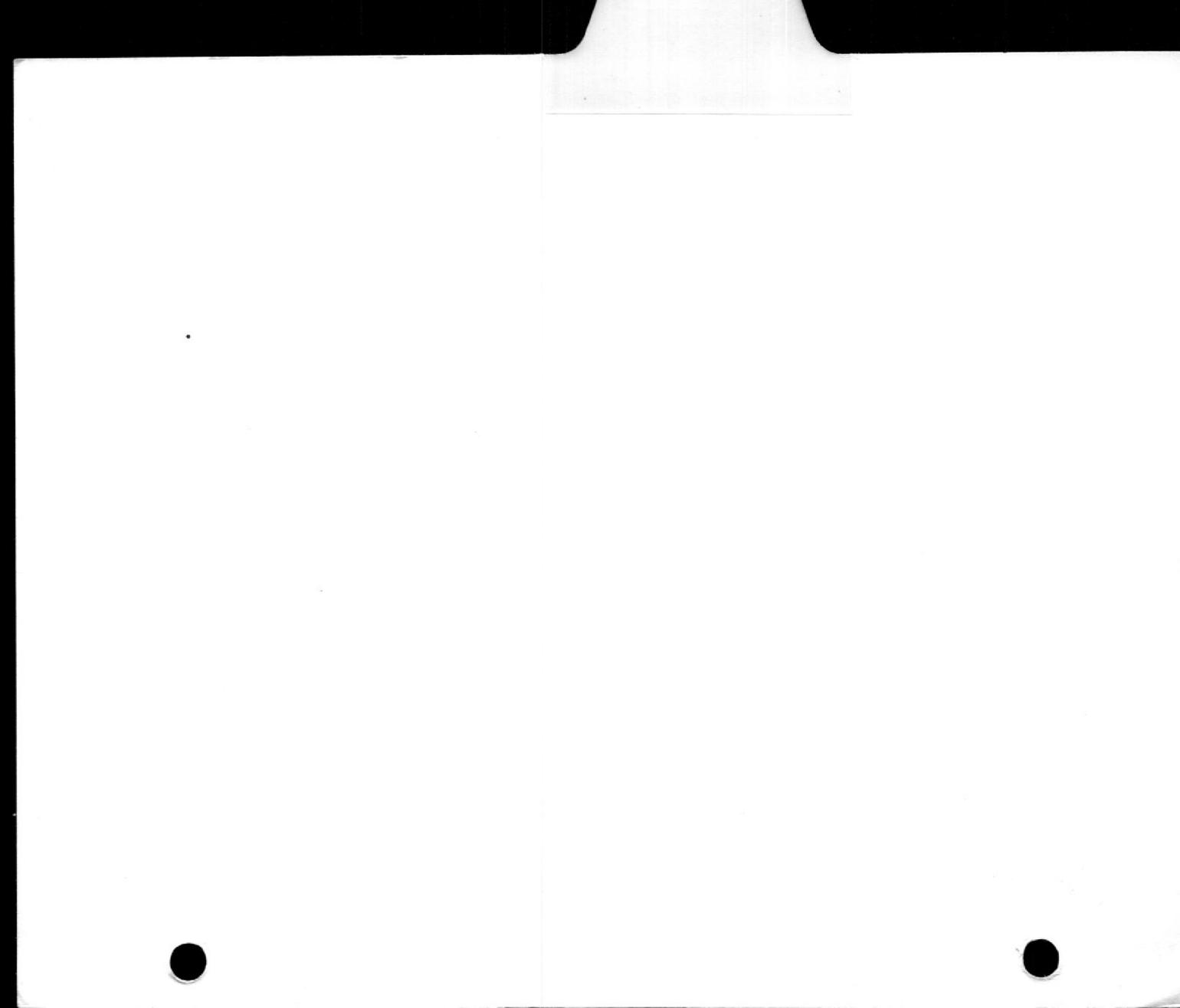
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MAJOR SERVICING

Volume 5, Part 4

SECTION 2

ARMAMENT SERVICING



HUNTER AIRCRAFT SERVICING SCHEDULES

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MAJOR SERVICING
SECTION 2 — ARMAMENT
N.C.O.

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Item No.	ITEM	OPERATION
1.	General.	(i) Read Lethal Warning Card, Safety Precautions and Servicing Notes of this Handbook. (ii) Examine the aircraft Servicing Documents for reports of any defects and for life expired components or components due for overhaul.
2.	Ejection seat(s) and hood (general safety)	(i) Ensure that the safety pins have been inserted into the 'Safe for Servicing' positions as detailed and illustrated in SAFETY PRECAUTIONS of this Handbook. (ii) Supervise the removal of the seat(s) and hood firing unit cartridges as detailed in Part 2, Section 4 of this Schedule.
<u>N.B.</u> No servicing by ANY Trades is to be commenced <u>until this safety condition has been carried out.</u>		
3.	Safety Man.	Detail duties according to the Servicing requirements.
4.	(a) Gun firing safety devices. (b) Bombs/R.P. switch (c) R.P. selector switch. (d) Armament safety break. (e) Rocket projectiles. (f) Bombs.	Set to 'SAFE'. Set to 'OFF'. Set to position '2'. Disconnect plug and ensure red warning pennant is clearly visible. Ensure removed from the aircraft.

Item No.	ITEM	OPERATION
5.	(a) External fuel tanks (if fitted).) (b) Practise bomb carriers (if fitted).)	(i) In conjunction with Airframe N.C.O. supervise removal as detailed in Part 2, Section 4 of this Schedule. (ii) Upon completion of the relevant servicing, supervise refitting as detailed in Part 2, Section 4 of this Schedule.
6.	Ejection seat(s).	(i) Supervise removal as detailed in Part 2, Section 4 of this Schedule. (ii) Upon completion of the relevant servicing supervise refitting as detailed in Part 2, Section 4 of this Schedule.

N.B. Item 7 is applicable only to gun package installations on SINGLE SEAT AIRCRAFT.

7.	Gun package.	(i) Supervise unloading of the guns. (ii) Supervise the removal of the gun package and gun barrels as detailed in Part 2, Section 4 of this Schedule. (iii) Upon completion of the relevant servicing, supervise the refitting of gun barrels and gun package.
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N.B. Items 8 and 9 are applicable only to gun installations on TWO SEAT AIRCRAFT.

8.	Aden gun(s)	(i) Supervise unloading of the gun(s). (ii) Supervise the removal of all live ammunition from the aircraft.
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Item No.	ITEM	OPERATION
9.	(a) Aden gun(s)	(i) Supervise removal as detailed in Part 2, Section 4 of this Schedule.
	(b) Gun barrel(s)	(i) Supervise removal as detailed in Part 2, Section 4 of this Schedule.
	(c) Ammunition box.	(ii) Upon completion of the relevant servicing, supervise refitting as detailed in Part 2, Section 4 of this Schedule.
10.	Wing pylons (as applicable)	(i) Supervise the removal of the cartridges from the ejector release units.
		(ii) Supervise the removal of the pylons as detailed in Part 2, Section 4 of this Schedule.
		(iii) Upon completion of the relevant servicing, supervise the refitting of the pylons as detailed in Part 2, Section 4 of this Schedule.
		(iv) Supervise the refitting of the cartridges to the ejector release units.
11.	H.E. aircraft destructor. (if fitted).	(i) In conjunction with Radar N.C.O. supervise the removal of the aircraft destructor.
		(ii) Upon completion of the relevant servicing, supervise the refitting of the aircraft destructor.

Item No.	ITEM	OPERATION
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N.B. Item 12 is to be carried out immediately after the relevant operations from Item 2 and Items 7 to 11 have been completed.

12. Servicing Documents.

Endorse for the following:-

- (i) All ejection seat(s) cartridges have been removed.
- (ii) The aircraft is free from live ammunition.
- (iii) Pylon ejector release unit cartridges have been removed.
- (iv) H.E. aircraft destructor has been removed.

N.B. Item 13 is to be carried out at the Arming/Disarming point.

13. Fire extinguisher(s) cartridge(s).

- (i) Supervise removal from fire extinguisher(s).
- (ii) Examine renewal date inscribed on the flange.
- (iii) Test the cartridge(s) (or new item(s)) in accordance with A.P.1661 F, Vol.1, Sect.5, Chap.3.
- (iv) If new cartridge(s) are being fitted, scribe the date of expiry on the flange.
NOTE:- Date of exchange is two years after initial fitting.
This date must not be confused with the date of manufacture which is also on the flange of the cartridge.
- (v) Upon completion of the relevant servicing, supervise fitting of the fire extinguisher cartridge(s).

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Item No.	ITEM	OPERATION
14.	Armament systems (as applicable)	In conjunction with Electrical N.C.O., carry out a functional check of the systems.
15.	(a) Aden gun(s). (b) Gyro gun sight(s). (c) G.90 Camera.) In conjunction with Photographic and Instrument (GEN)) N.C.O.s, harmonise as detailed in the relevant) authorised instructions.
16.	Braking parachute installation.	(i) Supervise the removal of the release unit for Bay Servicing. (ii) Supervise the fitting of new or serviced release unit. (iii) Assisted by Airframe and Electrical Tradesmen, carry out a functional test of the release unit. (iv) In conjunction with Airframe N.C.O., supervise a cocking test.
17.	(a) Ejection seat(s) (b) Drogue gun. (c) Hood jettison. (as applicable)) (i) Supervise the fitting of the cartridges into the ejection seat(s), drogue gun and hood jettison as detailed in Part 2, Section 4 of this Schedule.) (ii) Supervise that the safety pins are inserted into the 'Safe for Servicing' positions as detailed and illustrated in SAFETY PRECAUTIONS of this Handbook.

Item No.	ITEM	OPERATION
17.	(a) Ejection seat(s). (b) Drogue gun. (c) Hood jettison. (as applicable) (contd.)	(iii) Inform N.C.O. i/c Servicing that operations (i) and (ii) have been carried out and that the aircraft is safe for this condition.
18.	Aircraft generally.	Supervise the removal from the aircraft of all tools, rags and other Servicing materials.
19.	Servicing Documents.	Sign for completing the relevant Servicing.

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Item No.	ITEM	OPERATION
1.	General.	(i) Read Lethal Warning Card, Safety Precautions and Servicing Notes of this Handbook. (ii) Examine the aircraft Servicing Documents for reports of any defects and for life expired components or components due for overhaul.
2.	Ejection seat(s) and hood (general safety)	(i) Ensure that the safety pins have been inserted into the 'Safe for Servicing' positions as detailed and illustrated in SAFETY PRECAUTIONS of this Handbook. (ii) Remove the seat(s) and hood firing unit cartridges as detailed in Part 2 Section 4 of this Schedule.
<p><u>N.B.</u> No servicing by ANY Trades is to be commenced <u>until this safety condition has been carried out.</u></p>		
3.	(a) Safety equipment. (b) Ejection seat(s) (c) Ejection gun(s) (d) Hood firing unit (as applicable)	Remove for Bay Servicing. (i) Remove as detailed in Part 2, Section 4 of this Schedule. (ii) Transport to Armament Bay for Bay Servicing. (i) Assist Airframe N.C.O. to test hood jettison mechanism as detailed in Part 2 Section 5 of this Schedule. (ii) Remove firing unit body for Bay Servicing. (iii) Seal cartridge housing with masking tape.

Item No.	ITEM	OPERATION
4.	Gun package/Aden gun(s) (as applicable)	(i) Unload the gun(s). (ii) Remove all live ammunition from the aircraft.
5.	(a) External fuel tanks) (if fitted)) (b) Practise bomb carriers) (if fitted)) (c) Wing pylons) (as applicable))	(i) In conjunction with Electrical Tradesman, remove the cartridges from the pylon ejector release units. (ii) In conjunction with Airframe Tradesman remove external fuel tanks/practise bomb carriers as detailed in Part 2, Section 4 of this Schedule. (iii) Remove pylons for Bay Servicing as detailed in Part 2, Section 4 of this Schedule. (iv) Upon completion of the relevant servicing refit pylons as detailed in Part 2, Section 4 of this Schedule. (v) Upon completion of the relevant servicing refit external fuel tanks/practise bomb carriers as detailed in Part 2, Section 4 of this Schedule. (vi) Refit the cartridges to the pylon ejector release units.
6.	H.E. aircraft destructor (if fitted)	(i) In conjunction with Radar Tradesman, remove the aircraft destructor. (ii) Upon completion of the relevant servicing refit the aircraft destructor.

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Item No.	ITEM	OPERATION
<u>N.B.</u> Items 7 and 8 are applicable only to <u>gun package installations on SINGLE SEAT AIRCRAFT.</u>		
7.	(a) Gun package.) (i) Remove for Bay Servicing as detailed in Part 2, Section 4 of this Schedule.
	(b) Gun barrels.) (ii) Upon completion of the relevant servicing, refit as detailed in Part 2, Section 4 of this Schedule.
8.	Gun bay.	
	(a) Barrel supports (outboard)	(i) Remove support bearings. (ii) Clean and examine for corrosion. (iii) Lubricate with grease ZX-28 and refit. (iv) Adjust so that bearings are just capable of movement.
	(b) Barrel supports (inboard)	(v) Examine lock rings for correct locking. (i) Remove barrel support assemblies. (ii) Remove support bearings. (iii) Clean and examine for corrosion. (iv) Lubricate with grease ZX-28 and refit. (v) Adjust so that bearings are just capable of movement. (vi) Examine lock rings for correct locking. (vii) Refit barrel support assemblies.
	(c) Pip pins.	Examine for damage and ease of removal and replacement.

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Item No.	ITEM	OPERATION
<u>N.B.</u> Items 9 to 13 are applicable only to <u>gun installations on TWO SEAT AIRCRAFT.</u>		
9.	(a) Aden gun(s))	(i) Remove for Bay Servicing as detailed in the aircraft Vol. 1, Sect. 7, Chap. 3.
	(b) Gun barrels.)	(ii) Upon completion of the relevant servicing, refit as detailed in the aircraft Vol. 1, Sect. 7, Chap. 3.
10.	(a) Empty case ejection chute(s).)	Clean and examine for damage.
	(b) Gun(s) and ammunition bay(s).)	
	(c) Empty case collector tank(s).)	
	(d) Gun(s) rear mounting attachment)	
	bolts.)	
	(e) Gun(s) and ammunition bay(s))	
	access doors and fairings.)	
	(as applicable))	
11.	Ammunition box assembly.	
	(a) Ammunition box.)	(i) Remove for Bay Servicing as detailed in the aircraft Vol. 1, Sect. 7, Chap. 3.
		(ii) Upon completion of the relevant servicing, refit as detailed in the aircraft Vol. 1, Sect. 7, Chap. 3.

Item No.	ITEM	OPERATION
11.	Ammunition box assembly (contd.)	
	(b) Structure.	(i) Clean and examine for damage. (ii) Examine the rollers for wear and freedom. (iii) Examine the lid hinges and locks for damage.
	(c) Rollers.)	
	(d) Hinges.)	Lubricate with oil, OX-14.
	(e) Lid locking mechanism.)	
	(f) Feed chute locking bolts.)	
12.	(a) Ammunition box hoist cables.	(i) Clean and examine for damage. (ii) Ensure the cable ends are secure on cables. (iii) Examine for freedom over pulleys.
	(b) Hoist pulleys.	(i) Clean and examine for damage. (ii) Lubricate with grease, XG-275. (iii) Examine for freedom of rotation.
13.	(a) Guns, front mountings.	(i) Dismantle, clean and examine the components for damage. (ii) Lubricate components with grease, XG-275. (iii) Lightly lubricate the spherical bush with grease, ZX-28.
	(b) Guns rear mountings.	(i) Dismantle, clean and examine the components for damage. (ii) Lubricate the elevating and traversing mechanism with grease, XG-275. (iii) Re-assemble the mountings in the aircraft.

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Item No.	ITEM	OPERATION
13.	(contd.)	
	(c) Barrel supports.	(i) Remove the support bearings. (ii) Clean and examine for damage. (iii) Lubricate with grease, ZX-28. (iv) Refit the bearings, ensuring that they are correctly adjusted so that they are just capable of movement.
14.	Gun ventilation system.	(i) In conjunction with Electrical Tradesman, remove the actuator for Bay Servicing. (ii) Ensure the cross shaft is free in its bearings. (iii) Examine the clevis pins and links for wear. (iv) Lubricate all bearings and pins with oil, OX-14. (v) Fit new or serviced actuator. (vi) Assist Armament N.C.O. to carry out functional check of system (S.I./HUNTER/49 refers).
15.	Gun firing control system.	Assist Armament N.C.O. to carry out a functional check of the system.

Item No.	ITEM	OPERATION
16.	Braking parachute installation.	<ul style="list-style-type: none"> <li data-bbox="743 222 782 247">(i) Remove the release unit for Bay Servicing. <li data-bbox="743 253 782 278">(ii) Fit new or serviced item. <li data-bbox="743 284 794 309">(iii) Assist Armament N.C.O. and Electrical Tradesmen to carry out a functional check of the release unit. <li data-bbox="743 376 794 401">(iv) Assist Airframe and Electrical Tradesmen to instal replacement braking parachute as detailed in the aircraft Vol. 1, Sect. 2, Chap. 2. <li data-bbox="743 469 782 494">(v) Carry out a cocking test. <li data-bbox="743 500 794 524">(vi) Close and secure cocking test plug access panel.

N.B. Item 17 is to be carried out at the Arming /Disarming point.

17.	Fire extinguisher(s) cartridge(s)	<ul style="list-style-type: none"> <li data-bbox="743 636 782 661">(i) Remove from extinguisher(s) for testing. <li data-bbox="743 667 794 692">(ii) Refit unexpired or new cartridge(s) which have been tested.
18.	Ejection seat(s) fittings (as applicable)	
	(a) Guide rail.	<ul style="list-style-type: none"> <li data-bbox="743 821 782 846">(i) Clean and examine for damage. <li data-bbox="743 852 794 877">(ii) Examine flanges for burrs.
	(b) Ejection gun mounting block or anchorage.	<ul style="list-style-type: none"> <li data-bbox="743 883 782 907">(i) Clean and examine for damage. <li data-bbox="743 914 794 938">(ii) Examine for security of attachment to guide rail.
	(c) Bottom latch.	<ul style="list-style-type: none"> <li data-bbox="743 975 782 1000">(i) Clean and examine for damage. <li data-bbox="743 1006 794 1031">(ii) Check, by operation, for correct functioning. <li data-bbox="743 1037 794 1061">(iii) Lubricate plunger with grease, XG-275.

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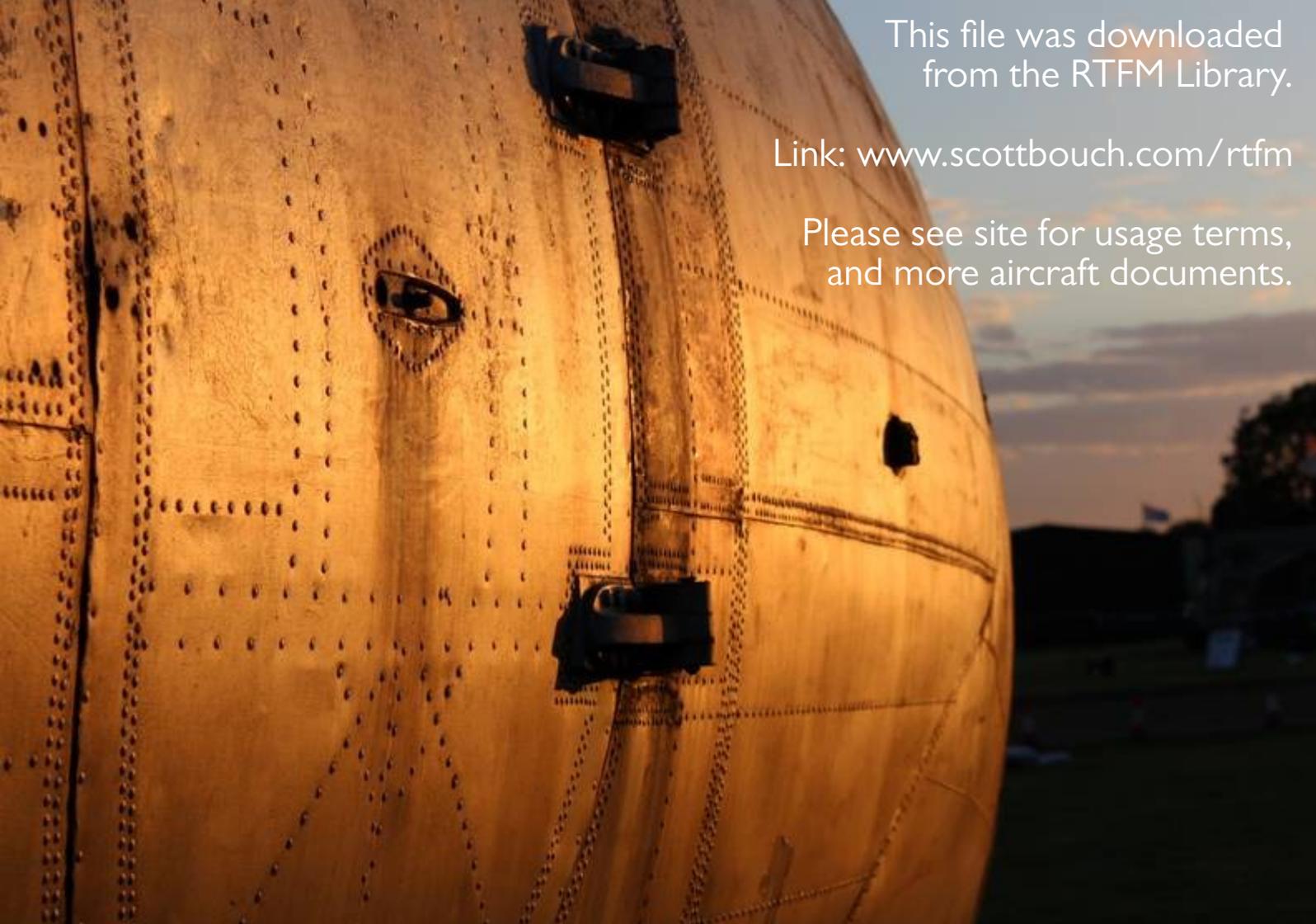
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Item No.	ITEM	OPERATION
18.	Ejection seat(s) fittings (as applicable) (contd.)	
	(d) Quick release pins and cords.	(i) Examine for damage. (ii) Check securing cords for fraying.
	(e) Mic/tel quick release socket) bracket.)	
	(f) Barostatic time delay unit) static line bracket.)	Examine for damage.
	(g) Drogue gun static rod bracket.)	
	(h) Leg restraining cord anchorages.	(i) Clean and examine for damage. (ii) Check quick release pins for damage.
19.	Emergency oxygen system.	
	(a) Manual release tube.)	Examine for damage.
	(b) Manual release cable.)	
20.	(a) Ejection seat(s).)	Refit as detailed in Part 2, Section 4 of this Schedule.
	(b) Safety equipment.)	<u>NOTE</u> :- Do not fit ANY cartridges at this stage.
21.	(a) Aden gun(s).)	
	(b) Gyro gun sight(s).)	Assist Armament N.C.O. to harmonize.
	(c) G.90 camera.)	

Item No.	ITEM	OPERATION
22.	(a) Ejection seat(s) (b) Drogue gun(s). (c) Hood firing unit.) Fit cartridges as detailed in Part 2, Section 4 of this Schedule.) (i) Remove masking tape from cartridge housing. (ii) Fit cartridge and firing unit body as detailed in Part 2, Section 4 of this Schedule.
23.	Aircraft generally.	Remove from the aircraft all tools, rags and other Servicing materials.
24.	Gun(s) and ammunition bay(s), access doors and panels (as applicable).	(i) Refit. (ii) Examine for correct fitting and locking.
25.	Servicing Documents.	Sign for completing the relevant Servicing.



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