

**HUNTER AIRCRAFT SERVICING SCHEDULES**

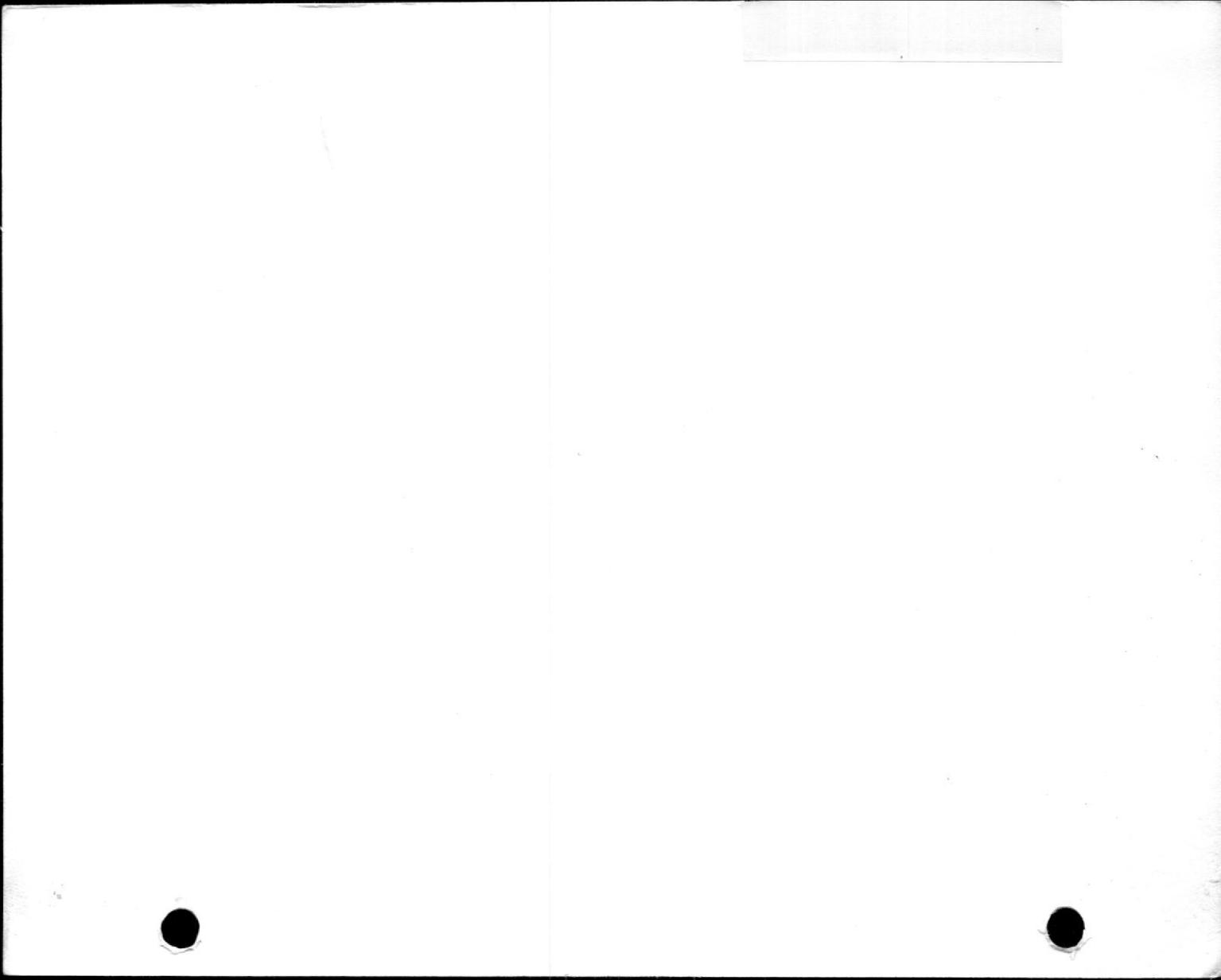
**MK.57**  
*(H.S.A.4)*

**MAJOR SERVICING**

*Volume 5, Part 4*

**SECTION 1**

**AIRFRAME SERVICING**



(Issued with H.A.L.7)

## MAJOR SERVICING

HUNTER MK. 56  
VOLUME 5, PART 4  
(HAP. 56, Vol. 5, Pt. 4)

### ITEMS REMOVED FOR BAY SERVICING

#### AIRFRAME

REF. No.	PART No.	ITEM
26FX/4953	A.204708	Hose, flexible.
26FX/4954	A.204709	Hose, flexible.
26FX/6442	A.207956	Hose, flexible.
27A/2981	A.H.9336	Nose wheel.
27A/	A.H.51338	Main wheel (2 off)
27BA/9261	A.V.A.322A/160	Hose, flexible.
27BA/9466	A.V.A.322B/230	Hose, flexible.
27BA/9493	A.V.A.322A/265	Hose, flexible.
27BA/9699	A.V.A.322B/160	Hose, flexible.
27BA/9889	A.V.A.322A/225	Hose, flexible.
27BA/10606	A.V.A.322A/185	Hose, flexible.
27BA/10607	A.V.A.322B/225	Hose, flexible.
27G/2779	A.C.14130 LAM	Unit Maxaret
27G/2780	A.C.14128 RCM	Unit Maxaret

REF. No.	PART No.	ITEM
27K/509	5099200	Valve, cabin air discharge.
27K/514	510250	Valve, cabin air discharge.
27KC/1149		Hydrobooster, aileron, port Pre-Mod.686
27KC/1150		Hydrobooster, aileron, starboard Pre-Mod.686
27KC/1547	F.H.S. 1211 Z	Micronic filter.
27KF/1314	A.H.853	Hydrobooster, elevator. Pre-Mod.687
27KF/2971	A.H.949	Hydrobooster, aileron, port. )
27KF/2972	A.H.950	Hydrobooster, aileron, starboard) Post Mod.686 and 687
27KF/2973	A.H.951	Hydrobooster, elevator. )
27M/9461		Element, hydraulic filter.
27Q/943	C.4076 Y Mk. C	Valve, air release.
27Q/1223	C.7596 Y Mk. B	Valve, sequence.
27Q/1632	C.8950 Y Mk. B	Valve, sequence, undercarriage, port.
27Q/1633	C.8950 Y Mk. C	Valve, sequence, undercarriage, starboard.
27Q/1676	A.7878 Y Mk. B	Leg, nose undercarriage. Pre-Mod.2442.
27Q/	2.00108. 001	Leg, nose undercarriage. Post Mod. 2442.
27Q/	11884P/B.01	Leg, port undercarriage.
27Q/	11884S/B.01	Leg, starboard undercarriage.
27Q/1795	A.11166 Y Mk.A	Reservoir, hydraulic.
27Q/1799	C4076 Y Mk. F	Valve, air release.

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**MAJOR SERVICING**

ITEMS REMOVED FOR BAY SERVICING

AIRFRAME

REF. No.	PART No.	ITEM
27Q/1805	D 7375 Y	Valve, sequence.
27Q/1817	C 7596 Y Mk.C	Valve, sequence.
27Q/1877	07965 P/A03	Jack, undercarriage, port.
27Q/1878	07965 S/A03	Jack, undercarriage, starboard.
27Q/1880	08264 Y A02	Jack, undercarriage, nose.
27Q/1886	08692 Y A05	Accumulator.
27Q/1889	08394-A02	Accumulator.
27Q/1890	07584 Y A02	Jack, nose door.
27Q/1892	07554 P A03	Jack, port undercarriage fairing door.
27Q/1893	07554 S A03	Jack, starboard undercarriage fairing door.
27UA/401	ACRE 9	Unit, cold air, Type 6W.
27UA/891	103441	Extractor, water WE30 Mk. 7
27VA/3988	ACM 16782	Bottle, air, spherical (6 off)
27VA/5145	AC 14010	Accumulator (2 off)
27VB/3254	Hymatic AG2	Valve, anti-G

REF. No.	PART No.	ITEM
22VC/27	Palmer C58	Valve, pressure reducing.
<u>ARMAMENT</u>		
7R/3		Barrel, gun Mk.1 (2 off) L.V. Ammunition.
7R/308		Barrel, gun, Mk.2 (2 off) H.V. Ammunition.
7R/406		Gun, Aden 30 mm L.H.
7R/407		Gun, Aden, 30 mm R.H.
12K/1306	Graviner A.716	Cartridges, fire extinguisher (2 off)
26FX/9364	Vickers A.5931	Release, E.M. No.1 Mk.1 (Braking parachute).
<u>PYLONS</u>		
26FX/6219	D 206949	Outboard, port.
26FX/6220	D 206950	Outboard, starboard.
26FX/	E 228990	Inboard, port.
26FX/	E 228991	Inboard, starboard
27L/5056	B/MBCJ/191	Unit, hood firing.
27L/50057		Seat, ejection Mk.3H.

(Issued with H.A.L.7)

**MAJOR SERVICING**

ITEMS REMOVED FOR BAY SERVICING

ELECTRICAL

REF. No.	PART No.	ITEM
5CW/2480		Actuator, fuel cock.
5CW/6000	F.H.M/A/57	Switch, time. (J.P.T. control)
5CW/6257	F.H.M/A/68	Switch, time. (Ignition).
5CY/2568		Breaker, circuit Type B.4.
5CZ/6016	D8720	Contactor, reversing.
5J/3307		Accumulator, lead acid, 12 volt.
5J/3336		Accumulator Type J.
5UA/6088		Generators Type 517 (2 off)
5UB/4938		Inverter Type 100A (4 off)
5UB/5083	CX.150972	Inverter Type 200
5UB/6488		Power Unit, Type 596
5UC/2166		Regulator, voltage, Type 22
5UC/4939		Panel, control, Type 12.
5UC/5797		Regulator, voltage, Type 22A
5UC/6581	F.1306	Relay, hood.

REF. No.	PART No.	ITEM
5UE/6294 5UE/6622 5UE/6622	S.P.E.13875/A S.P.E.13875/B	Pump, F.P.3 Mk.9 (Fuel filter de-icing). Pump, fuel booster S.P.E. 2009 Mk.4 Pump, fuel booster S.P.E. 2009 Mk.4
5W/307 5W/308 5W/309 5W/329 5W/2313 5W/3913 5W/2317	CZ.54709/10/A CZ 64581 A C 5209/1 CZ 72257 A.1607 A.1607/1 EA 25461	Actuator, cabin temperature valve. Actuator, air supply valve. Actuator, hood. Actuator, gun ventilation. Actuator, tailplane Pre-mod 922. Actuator, tailplane Post mod. 922. Actuator, tailplane datum.
26FX/7952	F.213728 E.229321 C.229322 D.229419 D.237125 D.237713	Micro switches. Panel, supply. Panel, gun firing. Panel, leg, port. Panel, generator control - Mod.2424 Panel, generator control - Pre-Mod.2424
27J/461	A.C.14728	Handle control
27N/93		Switch, inertia (4 off)
37A/1790		Igniter, high energy (2 off)

(Issued with H.A.L.7)

MAJOR SERVICING

ITEMS REMOVED FOR BAY SERVICING

ELECTRICAL

REF. No.	PART No.	ITEM
37F/20007 37F/20018	CZ 75700 CK 12423	Unit, ignition H.E. Mk.8. Pump, fuel.
<u>ENGINE</u>		
27F/2602 37J/8006	F.P.P.2/2 A.8003Y/RH/ 3000	Proportioner, fuel flow. Pump, hydraulic.
37L/196 37L/322		Gearbox, Type T.G.5/5. Arm, drive Type GA7/2.
<u>INSTRUMENTS (GEN)</u>		
5CW/5042	KSD/02/01	Switch, altitude.
5CW/5390	T.P.5250	Switch pressure (2 off)
5CW/5913	T.P.5252/1	Switch pressure (4 off)
5CW/5914	T.P.1250 or 5253/1	Switch pressure.
5CW/5981	T.P.1300	Switch pressure (alternative to T.P.5300/2)
5CW/6015	T.P.5300/2	Switch pressure (alternative to T.P.1300)
5CW/6274	T.P.5207/1	Switch pressure. Pre-mod 827.

REF. No.	PART No.	ITEM
5CW/6790	T.P.5555	Switch pressure. (Mod.827)
5CW/6733	T.P.5566	Switch pressure (2 off) Post mod.686, 687.
6A/2133	123FL.	Transmitter, Type C. Flap position indicator.
6A/2691		Gauge, pressure.
6A/2693		Gauge, pressure (2 off)
6A/3451		Accelerometer Mk.2
6A/3578		Thermo-couple Type B6.
6A/3735	470 F.L.	Transmitter.
6A/4245	KAA/1301 K	Altimeter, cabin, Mk.21
6A/4445	568 F.L.	Transmitter.
6A/4749		Gauge, pressure.
6A/6438	858 F.L.	Transmitter.
6D/1966		Regulator oxygen demand Mk.17D.
6D/2237		Gauge, oxygen contents.
6D/2294		Regulator, oxygen demand Mk.17E - Mod.919.
6D/2344		Valve, oxygen pressure reducing.
6D/9429896		Cylinders, oxygen (4 off).
6S/1		Unit, gyro, Type A.
6S/27		Unit, amplifier, Type A.
6S/33		Unit, slave relay Type A.
6S/37		Unit, phase advance, Type B.
6S/40		Unit, monitor, Type B.
6S/48		Servomotor, Type B, and trim actuator.
8B/2971		Unit, control, Type BL. Mk.1

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**MAJOR SERVICING**

ITEMS REMOVED FOR BAY SERVICING

INSTRUMENTS (GEN)

REF. No.	PART No.	ITEM
8B/2975		Unit, control, Type RA, Mk.1
8B/3103		Unit, control, Type AL, Mk.1
8B/3339		Unit, control, Type R.M.
8B/3593		Gunsight, gyro, Mk.8
8B/3620		Unit, control, Type AT, Mk.1
27KD/510	509930	Pressure controller.
<u>INSTRUMENTS (NAV)</u>		
6B/563		Unit, gyro, Type B.
<u>PHOTOGRAPHIC</u>		
14A/4196		Recorder, camera, Mk.3.
14A/4929		Camera, G.90.

REF. No.	PART No.	ITEM
<u>RADAR</u>		
10AF/530		Indicator, D.M.E.
10D/18554		Head, radar, Type 2 (alternative to type 2A).
10D/21292		Head, radar, Type 2A. ( alternative to Type 2).
10D/18855		Receiver, Type R3121/A
10D/19594		Transmitter-receiver Type T.R.8193.
10Q/16076		Unit, radar ranging.
<u>WIRELESS</u>		
10D/17695		Transmitter-receiver T.R.1936 (2 off)
10D/19223		Box, junction, aerial, Type 7089.
10L/246		Unit, control, Type 382.
10L/16309		Unit, control, Type 7746.

## MAJOR SERVICING

HUNTER MK. 57  
VOLUME 5, PART 4  
(HSP. 57, Vol. 5, Pt. 4)

(Issued with H.S.A.2)

### ITEMS REQUIRING REPLACEMENT OR BAY SERVICING

REF. No.	PART No.	ITEM
		<u>AIRFRAME</u>
26FX/4953	A.204708	Hose, flexible
26FX/4954	A.204709	Hose, flexible
26FX/6442	A.207956	Hose, flexible
27A/2981	A.H.9336	Nose wheel.
27A/	A.H.51338	Main wheel (2 off)
27BA/9261	A.V.A.322A/160	Hose, flexible.
27BA/9466	A.V.A.322B/230	Hose, flexible.
27BA/9493	A.V.A.322A/265	Hose, flexible.
27BA/9699	A.V.A.322B/160	Hose, flexible.
27BA/9889	A.V.A.322A/225	Hose, flexible.
27BA/10606	A.V.A.322A/185	Hose, flexible.
27BA/10607	A.V.A.322B/225	Hose, flexible.
27G/2779	A.C.14130 LAM	Unit Maxaret
27G/2780	A.C.14128 RCM	Unit Maxaret
27K/509	5099200	Valve, cabin air discharge.
27K/514	510250	Valve, cabin air discharge.

REF. No.	PART No.	ITEM
27KC/1547		Micronic filter.
27KF/2971	A.H. 949	Hydrobooster, aileron, port.
27KF/2972	A.H. 950	Hydrobooster, aileron, starboard.
27KF/2973	A.H. 951	Hydrobooster, elevator.
27M/9461		Element, hydraulic filter.
27Q/943	C.4076 Y Mk. C	Valve, air release.
27Q/1223	C.7596 Y Mk. B	Valve, sequence.
27Q/1632	C.8950 Y Mk. B	Valve, sequence, undercarriage, port.
27Q/1633	C.8950 Y Mk. C	Valve, sequence, undercarriage, starboard.
27Q/1676	A.7878 Y Mk. B	Leg, nose undercarriage.
27Q/	11884P/B.01	Leg, port undercarriage.
27Q/	11884S/ B.01	Leg, starboard undercarriage.
27Q/1795	A.11166 Y Mk. A	Reservoir, hydraulic.
27Q/1799	C4076 Y Mk. F	Valve, air release.
27Q/1805	D 7375 Y	Valve, sequence.
27Q/1817	C 7596 Y Mk. C	Valve, sequence
27Q/1877	07965 P/A03	Jack, undercarriage, port.
27Q/1878	07965 S/A03	Jack, undercarriage, starboard.
27Q/1880	08264 Y A02	Jack, undercarriage, nose.
27Q/1886	08692 Y A05	Accumulator.
27Q/1889	08394-A02	Accumulator.

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### ITEMS REQUIRING REPLACEMENT OR BAY SERVICING

REF. No.	PART No.	ITEM
		<u>AIRFRAME</u> (Contd.)
27Q/1890	07584 Y A02	Jack, nose door.
27Q/1892	07554 P A03	Jack, port undercarriage fairing door.
27Q/1893	07554 S A03	Jack, starboard undercarriage fairing door.
27UA/401	ACRE 9	Unit, cold air, Type 6W.
27UA/891	103441	Extractor, water WE30 Mk.7
27VA/3988	ACM 16782	Bottle, air, spherical (6 off)
27VA/5145	AC 14010	Accumulator (2 off)
27VB/3254	Hymatic AG2	Valve, anti-G
27VC/27	Palmer C58	Valve, pressure reducing.
		<u>ARMAMENT</u>
7R/3		Barrel, gun Mk.1
7R/308		Barrel, gun, Mk.2
7R/406		Gun, Aden 30 mm L.H. (2off)
7R/407		Gun, Aden, 30 mm R.H. (2 off)
		L.V. Ammunition.
		H.V. Ammunition.

REF. No.	PART No.	ITEM
12K/1306 26FX/9364	Graviner A.716 Vickers A.5931	Cartridges, fire extinguisher (2 off) Release, E.M. No.1 Mk.1 (braking parachute).
26FX/6219 26FX/6220 26FX/10022 26FX/10023 27L/5056 27L/50057	D 206949 D 206950 E 234662 E 234663 B/MBCJ/191	<u>PYLONS</u> Outboard, port. Outboard, starboard. Inboard, port. Inboard, starboard. Unit, hood firing. Seat, ejection Mk. 3H.
5CW/2480 5CW/6000 5CW/6257 5CY/2568 5CZ/6016 5J/3307 5J/3336	F.H.M/A/57 F.H.M/A/68 D8720	<u>ELECTRICAL</u> Actuator, fuel cock. Switch, time. (J.P.T. control) Switch, time (ignition) Breaker, circuit Type B.4. Contactor, reversing. Accumulator, lead acid, 12 volt. Accumulator Type J.
5UA/6088		Generators Type 517 (2 off)
5UB/4938 5UB/5083		Inverter Type 100A (4 off) Inverter Type 200

(Issued with H.S.A.2)

### MAJOR SERVICING

HUNTER MK. 57  
VOLUME 5, PART 4  
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#### ITEMS REQUIRING REPLACEMENT OR BAY SERVICING

REF. No.	PART No.	ITEM
5UB/6442 5UB/6488		<u>ELECTRICAL</u> (Contd.) Inverter Type 206 Power Unit, Type 596
5UC/2166 5UC/4939 5UC/6164 5UC/5797 5UC/6581	F.1306	Regulator, voltage, Type 22 Panel, control, Type 12 Panel, control, Type 38 Regulator, voltage, Type 22A Relay, hood.
5UE/6294 5UE/6622 5UE/6622	S.P.E.13875/A S.P.E.13875/B	Pump, F.P.3 Mk.9 (fuel filter de-icing) Pump, fuel booster S.P.E.2009 Mk.4 Pump, fuel booster S.P.E.2009 Mk.4
5W/307 5W/308 5W/309 5W/329 5W/3913 5W/2317	CZ.54709/10/A CZ.64581 A C 5209/1 CZ 72257 A.1607/1 EA 25461	Actuator, cabin temperature valve. Actuator, air supply valve. Actuator, hood. Actuator, gun ventilation. Actuator, tailplane Actuator, tailplane datum.

REF. No.	PART No.	ITEM
26FX/7952	F.213728	Micro switches.
	E.229321	Panel, supply.
	C.229322	Panel, gun firing.
	D.229419	Panel, leg, port.
	D.237125	Panel, generator control - Mod.2424
	D.237713	Panel, generator control - Pre-Mod.2424
27J/461	A.C.14728	Handle control
27N/93		Switch, inertia (4 off)
37A/1790		Igniter, high energy (2 off)
37F/20007	CZ 75700	Unit, ignition H.E. Mk.8
37F/20018	CK 12423	Pump, fuel.
		<u>ENGINE</u>
27F/2602	F.P.P.2/2	Proportioner, fuel flow.
37J/8006	A.8003Y/RH/	Pump, hydraulic.
	3000	
37L/196		Gearbox, Type T.G.5/5.
37L/322		Arm, drive Type GA7/2.

(Issued with H.S.A.2)

## MAJOR SERVICING

HUNTER MK. 57  
VOLUME 5, PART 4  
(HSP. 57, Vol. 5, Pt. 4)

### ITEMS REQUIRING REPLACEMENT OR BAY SERVICING

REF. No.	PART No.	ITEM
		<u>INSTRUMENTS (GEN)</u>
5CW/5042	KSD/02/01	Switch, altitude.
5CW/5390	T.P. 5250	Switch pressure (2 off)
5CW/5913	T.P. 5252/1	Switch pressure (4 off)
5CW/5914	T.P. 1250 or 5253/1	Switch pressure.
5CW/5981	T.P. 1300	Switch pressure (alternative to T.P. 5200/2)
5CW/6015	T.P. 5300/2	Switch pressure (alternative to T.P. 1300)
5CW/6790	T.P. 5555	Switch pressure.
5CW/6733	T.P. 5566	Switch pressure (2 off)
6A/2133	123FL	Transmitter, Type C. Flap position indicator.
6A/2691		Gauge, pressure.
6A/2693		Gauge, pressure (2 off)
6A/3451		Accelerometer Mk.2
6A/3578		Thermo-couple Type B6.
6A/3735	470 F.L.	Transmitter.
6A/4245	KAA/1301 K	Altimeter, cabin, Mk.21
6A/4445	568 F.L.	Transmitter.
6A/4749		Gauge, pressure.
6A/6438	858 F.L.	Transmitter.

REF. No.	PART No.	ITEM
6D/2237 6D/2294 6D/2344 6D/9429896 6S/1 6S/27 6S/33 6S/37 6S/40 6S/48 8B/2971 8B/2975 8B/3103 8B/3339 8B/3593 8B/3620		Gauge, oxygen contents. Regulator, oxygen demand Mk.17E Valve, oxygen pressure reducing. Cylinders, oxygen (3 off) Unit, gyro, Type A. Unit, amplifier, Type A. Unit, slave relay Type A. Unit, phase advance, Type B. Unit, monitor, Type B. Servomotor, Type B, and trim actuator. Unit, control, Type BL. Mk.1 Unit, control, Type RA, Mk.1 Unit, control, Type AL, Mk.1 Unit, control, Type R.M. Gunsight, gyro, Mk.8 Unit, control, Type AT, Mk.1
27KD/510	509930	Pressure controller.
6B/563		<u>INSTRUMENTS(NAV)</u> Unit, gyro, Type B.

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VOLUME 5, PART 4  
(HSP. 57, Vol. 5, Pt. 4)

### ITEMS REQUIRING REPLACEMENT OR BAY SERVICING

REF. No.	PART No.	ITEM
14A/4196 14A/4929		<u>PHOTOGRAPHIC</u> Recorder, camera, Mk. 3. Camera, G. 90.
10AF/530 10D/18554 10D/21292 10D/ 10D/ 10Q/		<u>RADAR</u> Indicator, D.M.E. Head, radar, Type 2 (alternative to type 2A). Head, radar, Type 2A. (alternative to Type 2). I.F.F. Receiver. D.M.E. Transmitter-receiver. Unit, radar ranging.
10D/ 10D/ 10D/ 10L/		<u>WIRELESS</u> U.H.F. Transmitter-receiver. U.H.F. Standby Transmitter-receiver. Box, junction, aerial. U.H.F. Control unit. Radio compass RF amplifier. Radio compass LF amplifier.

REF. No.

PART No.

ITEM



# HUNTER AIRCRAFT SERVICING SCHEDULES

MK.57  
(H.S.A.4)

## MAJOR SERVICING SECTION 1 — AIRFRAME N.C.O.

VOLUME 5, PART 4

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)	Ensure that the seat(s) and hood firing unit cartridges <u>have been removed</u> by the Armament Tradesman.
<u>N.B.</u> No further servicing is to be commenced <u>until this safety condition has been carried out.</u>		
3.	Hood.	(i) Supervise removal as detailed in the aircraft Vol. 1, Sect. 3, Chap. 1. (ii) Upon completion of the relevant servicing, supervise refitting as detailed in the aircraft Vol. 1, Sect. 3, Chap. 1.
4.	External fuel tanks (if fitted).	(i) In conjunction with Armament 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.

Item No.	ITEM	OPERATION
5.	Braking parachute.	(i) Supervise removal as detailed in the aircraft Vol. 1, Sect. 3, Chap. 1. (ii) Upon completion of the relevant servicing, supervise fitment of new or serviced item as detailed in the aircraft Vol. 1, Sect. 3, Chap. 1.
6.	Ground equipment.	(i) Supervise the positioning of the aircraft and ground equipment for servicing. (ii) Upon completion of the relevant servicing supervise the removal of all ground equipment from the aircraft.
7.	Trim controls. (a) Aileron trim tab. (b) Rudder trim tab.	) ) Check and record the position of the trim tab when the cabin indicator(s) read zero, and ensure that this position agrees with the figure recorded in the aircraft Servicing Documents.
8.	Nose fairing and nose cone (as applicable)	(i) Supervise removal. (ii) Upon completion of the relevant servicing, supervise refitting.
9.	Tail cone.	(i) Supervise removal. (ii) Upon completion of the relevant servicing, supervise refitting.

# HUNTER AIRCRAFT SERVICING SCHEDULES

MK.57  
(H.S.A.4)

## MAJOR SERVICING SECTION 1 —AIRFRAME N.C.O.

VOLUME 5, PART 4

Item No.	ITEM	OPERATION
10.	(a) Jet pipe.	(i) Ensure that all connections are broken.
	(b) Rear fuselage.	(ii) In conjunction with Engine and Electrical Tradesmen, supervise the removal of the jet pipe and rear fuselage as detailed in the aircraft Vol.1, Sect.3, Chap.1.
		(iii) Upon completion of the relevant servicing supervise refitting.
		(iv) Ensure all connections are correctly re-made.
11.	Rudder.	(i) Supervise removal.
		(ii) Upon completion of the relevant servicing, supervise refitting.
12.	Nose undercarriage.	
	(a) Nose wheel.	(i) Supervise removal for Bay Servicing.
	(b) Nose leg.	(ii) Supervise fitment of new or serviced items.
	(c) Leg retraction jack.	
	(d) Fairing door jack.	
	(e) Sequence valve.	
(f) Brake accumulators.		

Item No.	ITEM	OPERATION
13.	Main undercarriage. (a) Main leg, port and starboard. ) (b) Retraction jacks. ) (c) Fairing door jacks. ) (d) Sequence valves. ) (e) Pressure sequence valves. ) (f) Aileron accumulator. ) (g) Aileron control pressure switch ) (by-pass hydroboosters) ) (h) Aileron micronic filter. ) (j) Emergency air sequence valves. )	(i) Supervise removal for Bay Servicing. (ii) Supervise fitment of new or serviced items.
14.	(a) Aileron (port) ) (b) Aileron trim tab actuator. )	(i) Supervise removal for Bay Servicing. (ii) Record position of the actuator spindle. (iii) Set the replacement actuator to agree with the position recorded in operation (ii). (iv) In conjunction with Electrical N.C.O., position the actuator and check the neutral setting. (v) Compare the setting of the trim tab with that recorded in Item 7. (vi) Supervise refitting of port aileron after replacement of trim tab actuator.
15.	(a) Aileron hydroboosters. (b) Flexible hoses.	(i) Supervise removal for Bay Servicing. (ii) Supervise fitment of new or serviced items. Supervise removal and fitment of new items.

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(H.S.A.4)

MAJOR SERVICING  
SECTION 1 - AIRFRAME  
N.C.O.

VOLUME 5, PART 4

Item No.	ITEM	OPERATION
16.	Cabin.	
	(a) Undercarriage emergency air release valve.	(i) Supervise removal for Bay Servicing.
	(b) Flaps emergency air release valve.	(ii) Supervise fitment of new or serviced items.
	(c) Emergency air bottles.	
	(d) Anti-G bottles.	
	(e) Anti-G system.	Supervise a pressure test of the system as detailed in Part 2, Section 5 of this Schedule.
17.	Cabin conditioning system.	
	(a) Cold air unit.	(i) Supervise removal for Bay Servicing.
	(b) Water extractor.	(ii) Supervise fitment of new or serviced items.
	(c) Cabin air discharge valves.	
18.	Hydraulic system. (front and centre fuselage)	
	(a) Reservoir.	(i) Supervise removal for Bay Servicing.
	(b) Filter element.	(ii) Supervise fitment of new or serviced items.
	(c) Flexible hoses.	Supervise removal and fitment of new items.

Item No.	ITEM	OPERATION
19.	Rear fuselage.	Check for tightness, using special tool (B 200521).
	(a) Attachment spigots.	<u>NOTE:</u> If tightening has been possible, the spigot securing nut must be re-peened.
	(b) Tail plane actuator.	(i) Supervise removal for Bay Servicing.
	(c) Datum actuator.	(ii) Supervise fitment of new or serviced items.
		(iii) Supervise function check of datum actuator linkage (S.I./HUNTER/65 refers).
	(d) Tailplane micro switches (F 213728).	(i) In conjunction with Electrical N.C.O., supervise removal as detailed in the aircraft Vol. 1, Sect. 3, Chap. 4.
		(ii) Supervise fitment of new switches as detailed in the aircraft Vol. 1, Sect. 3, Chap. 4.
20.	Hydraulic system	
	(rear fuselage)	
	(a) Elevator hydrobooster.	(i) Supervise removal for Bay Servicing.
	(b) Elevator micronic filter.	(ii) Supervise fitment of new or serviced items.
	(c) Elevator accumulator.	
	(d) Air brake pressure switch.	
	(e) Elevator control pressure switch. (by-pass hydroboosters).	
	(f) Flexible hoses.	Supervise removal and fitment of new items.

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SECTION 1 --AIRFRAME  
N.C.O.

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Item No.	ITEM	OPERATION
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N.B. Item 21 is applicable only to TWO SEAT AIRCRAFT

21. Hood and windscreen.

(TWO SEAT A/C)

- (a) Hood jack with sequence valve. )
- (b) Hood lock jack. )
- (c) Hood lock valve. )
- (d) Accumulator. )
- (e) Main system pressure switch. )
- (f) Flexible hoses. )
- (g) Installation. )

- (i) Supervise removal for Bay Servicing.
- (ii) Supervise fitment of new or serviced items.

Supervise removal and fitment of new items.  
Check the operation of the jettison guns as detailed in the aircraft Vol.1, Sect.3, Chap.1.  
(S.I./HUNTER/41 refers).

22. (a) Hood locks.

- (i) Assisted by Airframe Tradesman, check the setting of the hood locks as detailed in the aircraft Vol.1, Sect.3, Chap.1.

N.B. Operation (ii) is applicable only to TWO SEAT AIRCRAFT.

- (ii) In conjunction with Electrical N.C.O., set the hood lock micro switches and torque shaft switch as detailed in the aircraft Vol.1, Sect.3, Chap.1.

(b) Hood jettison system.

Assisted by Airframe Tradesman, carry out jettison mechanism tests as detailed in Part 2, Section 5 of this Schedule.

Item No.	ITEM	OPERATION
23.	Hydraulic system.	(i) Supervise bleeding of the system. (ii) In conjunction with Electrical N.C.O. and with the assistance of the relevant Tradesmen, carry out functional checks as detailed in Part 2, Section 5 of this Schedule.
24.	Main and nose undercarriage.	(i) Assisted by Airframe Tradesman, check the door mechanisms and locks adjustments as detailed in the aircraft Vol.1, Sect.3, Chap.5. (ii) In conjunction with Electrical N.C.O. check the micro-switches for correct settings as detailed in the aircraft Vol.1, Sect.3, Chap.5. (S.I./HUNTER/72 refers).
25.	Aileron controls.	Synchronize the hydroboosters as detailed in the aircraft Vol.1, Sect.3, Chap.4.
26.	Flying controls. (a) Ailerons. ) (b) Aileron trim tab. ) (c) Rudder. ) (d) Rudder trim tab. ) (e) Elevator. ) (f) Tail plane. ) (g) Flaps. ) (h) Control column(s) ) (j) Rudder bar(s) )	(i) Examine in both POWER and MANUAL for full range of movement as detailed in the aircraft Vol.1, Sect.3, Chap.4. (ii) Measure the forces required to operate flying controls as detailed in the aircraft Vol.1, Sect.3, Chap.4. (iii) Arrange for a duplicate flying controls check by an independent N.C.O. (A.P.3158, Vol.2 Leaflet B28 refers). (iv) Record the independent controls check in the aircraft Servicing Documents.

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## MAJOR SERVICING SECTION 1 - AIRFRAME N.C.O.

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Item No.	ITEM	OPERATION
27.	Hydraulic emergency system.	(i) Assisted by Airframe Tradesman, carry out a functional check of the undercarriage and flaps EMERGENCY lowering systems. Ensure that both flaps and undercarriage move smoothly to the fully DOWN position, and that the undercarriage is correctly locked DOWN.
		(ii) Re-set the emergency air release valves.
		(iii) Bleed the air from the flaps and undercarriage systems.
		(iv) Re-charge the emergency air bottles (pre Mod 168-2000 p.s.i.; post Mod 168-2200 p.s.i.).
28.	Cabin.	(i) Assisted by Airframe Tradesman, carry out a cabin pressurization test as detailed in Part 2, Section 5 of this Schedule.
		(ii) Supervise cleaning before the installation of seat(s) and safety equipment.
29.	Alighting gear.	(i) Ensure ground safety locks are fitted.
		(ii) Supervise lowering of the aircraft from jacks.

Item No.	ITEM	OPERATION
30.	Aircraft generally.	<ul style="list-style-type: none"> <li>(i) Supervise the removal from the aircraft of all tools, rags and other Servicing materials.</li> <li>(ii) Examine all access panels for correct fitting and locking.</li> </ul>
31.	Ground run.	<ul style="list-style-type: none"> <li>(i) In conjunction with Engine N.C.O. during ground run, ensure the hydraulic pressure builds up to 3,000 p.s.i. after the engine starts.</li> <li>(ii) Examine the hydraulic pump for quiet running and connections for leaks.</li> <li>(iii) Supervise a functional check of flaps, air brake, hood (TWO SEAT A/C) and flying controls.</li> <li>(iv) In conjunction with Electrical and Wireless N.C.O., ensure that during engine shut down the hydraulic failure warning light and audio warning operate when the main system pressure drops to 650 p.s.i.</li> </ul>
32.	Rear fuselage (post ground run)	<p>Upon completion of ground run,</p> <ul style="list-style-type: none"> <li>(i) Examine the locking of attachment nuts.</li> <li>(ii) Examine pipe connections for leaks, security and locking.</li> <li>(iii) Examine electrical connections for security.</li> <li>(iv) Fit butt strap.</li> <li>(v) Lock turnbuckle with wire.</li> </ul>
33.	Servicing Documents.	Sign for completing the relevant Servicing.

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## MAJOR SERVICING SECTION 1 —AIRFRAME TRADESMEN

VOLUME 5, PART 4

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)	Ensure that the seat(s) and hood firing unit cartridges <u>have been removed</u> by the Armament Tradesman.
<u>N.B.</u> No further servicing is to be commenced <u>until this safety condition has been carried out.</u>		
3.	Alighting gear.	Fit ground safety locks.
4.	Hood.	(i) Remove as detailed in the aircraft Vol. 1, Sect.3, Chap.1. (ii) Assist Airframe N.C.O. to carry out jettison mechanism tests.
5.	External fuel tanks (if fitted).	(i) In conjunction with Armament Tradesman, remove as detailed in Part 2, Section 4 of this Schedule. (ii) Upon completion of the relevant servicing, refit as detailed in Part 2, Section 4 of this Schedule.

Item No.	ITEM	OPERATION
6.	Braking parachute.	(i) Remove as detailed in the aircraft Vol. 1, Sect. 3, Chap. 1. (ii) Pass to Safety Equipment Bay for servicing.
7.	Ground equipment.	As detailed by Airframe N.C.O.:- (i) Position jacking pads and jacks. (ii) Jack up the aircraft. (iii) Position rear fuselage trestle.
8.	Nose fairing and nose cone (as applicable)	(i)- Assisted by Radar Tradesman, remove. (ii)- Clean and examine for damage. (iii) Examine both halves of fasteners for wear, damage and security.
9.	Tail cone.	(i) Assisted by Electrical Tradesman, remove. (ii) Clean and examine for damage. (iii) Examine both halves of fasteners for wear, damage and security. (iv) Examine the braking parachute container doors, spring box units, solenoid valve and structure for damage. (v) Clean the door lock and rear plunger, and examine for correct operation. (vi) Lightly lubricate lock plunger, door hinges, spring box mechanism and links with oil OX-14.

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## MAJOR SERVICING SECTION 1 --AIRFRAME TRADESMEN

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Item No.	ITEM	OPERATION
10.	(a) Jet pipe.	) In conjunction with the Engine and Electrical Tradesmen, ) remove the jet pipe and rear fuselage as detailed in ) the aircraft Vol.1, Sect.3, Chap.1. ) (i) Examine for damage. ) (ii) Examine fasteners for wear, damage and security.
	(b) Rear fuselage.	
	(c) Access panels.	
	(d) Butt strap.	
11.	Nose wheel bay.	) (i) Remove for Bay Servicing. ) (ii) Fit new or serviced items. ) (i) Clean and examine for damage. ) (ii) Examine the 'DOWN' lock plate for security and wear of the plunger orifice. ) Clean and examine for damage and wear.
	-(a) Nose wheel.-	
	-(b) Nose leg unit.-	
	-(c) Leg retraction jack.-	
	-(d) Fairing door jack.-	
	-(e) Sequence valves.-	
	-(f) Brake accumulators.-	
	-(g) Structure.	
	(h) Nose leg pivot pin.	
	(j) Jack attachment bolts.	

Item No.	ITEM	OPERATION
11.	Nose wheel bay (contd.)	
	-(k) Restrictor valves. )	
	-(l) Non-return valves. )	(i)
	-(m) Thermal relief valves. )	(ii)
	-(n) Brake relay. )	(iii)
	-(o) Pressure relay. )	
	-(p) Choke. )	
	-(q) Pipelines. )	
		(i)
		(ii)
12.	Nose undercarriage fairing doors.	
	-(a) Doors. )	(i)
	-(b) Door locks. )	(ii)
	-(c) Door lock spigot support brackets.	(i)
	-(d) Operating rods. )	(ii)
	-(e) Cross shaft, levers and )	(i)
	bearings. )	(ii)
	-(f) Rear door, upper hinge bolts.	(i)
		(ii)
		(iii)
		Clean and examine for damage. Examine for signs of fluid leaks. Examine for security of attachment.
		Examine for signs of fluid leaks. Examine for correct routing and security.
		Examine for damage. Check adjustments as detailed in the aircraft Vol. 1, Sect. 3, Chap. 5. (S.I./HUNTER/72 refers).
		Examine for damage. Examine the surrounding area for cracks. Examine for damage. Examine end connections and adjustment points for security and damage. Disconnect door connecting rods. Examine door for freedom of movement on upper hinge bolts. Examine hinge bolts for security of split pins. (S.I./HUNTER/64 refers).
		<u>NOTE:-</u> Where either split pin is sheared, the bolt is to be removed, cleaned and lubricated.
		(iv)
		Reconnect door connecting rods.

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Item No.	ITEM	OPERATION
13.	Nose undercarriage lubrication.	
	(a) Front door jack attachments. )	
	(b) Cross shaft bearings. )	
	(c) Strut attachment pin bearings. )	
	(d) Retraction jack attachments. )	Lubricate with grease XG-275.
	(e) Shock absorber attachment point. )	
	(f) Wheel fork bearings. )	
	(g) Leg bottom bearing. )	
	(h) Front door hinge bolts. )	
	(j) Sequence valve. )	
	(k) 'DOWN' lock plunger. )	
	(l) Rear door hinges. )	
	(m) Rear door operating rod attachments. )	Lubricate with oil, OX-14.
	(n) Front door operating rods. )	
	(o) Lock operating lever. )	
	(p) Lock operating rods. )	
	(q) Front door lock. )	

Item No.	ITEM	OPERATION
14.	Main undercarriage wheel bays.	
	(a) Main wheels.	)
	(b) Brake units.	)
	(c) Maxaret units.	)
	(d) Main leg units.	)
	(e) Unit retraction jacks.	)
	(f) Fairing door jacks.	)
	(g) Sequence valves.	)
	(h) Pressure sequence valves.	)
	(j) Aileron accumulator.	)
	(k) Aileron micronic filter.	)
	(l) Aileron control pressure switch (by-pass hydroboosters)	)
	(m) Emergency air sequence valve.	)
	(n) Brake rings.	
	(o) Hydraulic components.	
	(p) Hydraulic pipelines.	
	(q) Maxaret and recuperator return pipes.	
		(i) Remove for Bay Servicing. (ii) Fit new or serviced items.
		Examine for damage and wear. (i) Clean and examine for damage and security, all hydraulic components fitted in the wheel bays. (ii) Examine for signs of fluid leaks. (i) Examine for damage and signs of fluid leaks. (ii) Examine for correct routing and security. (i) Ensure that the recuperator pipe line is connected to the <u>outer</u> connection adjacent to the lower torque link. (ii) Ensure that the Maxaret return pipe line connected next to the recuperator line is connected at its lower end to the <u>forward</u> of the two adjacent connections on the Maxaret unit.

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Item No.	ITEM	OPERATION
14.	Main undercarriage wheel bays (contd.) (q) Maxaret and recuperator return pipes (contd.)	(iii) Paint or renew the colour code, using golden yellow paint (33A/106814) at both ends of the Maxaret return pipe and its end fittings, and also the swivel coupling and Maxaret unit in the immediate vicinity of the connections. (S.I./HUNTER/77, with sketch, refers).
15.	Main undercarriage fairings. (a) Leg fairings. ) (b) Wheel doors. ) (c) Door locks.	Examine for damage and security of attachment.  (i) Remove all the main undercarriage 'UP' locks. (ii) Dismantle each lock in turn and thoroughly clean component parts. (iii) Examine the hook for wear. (iv) Reject any lock in which wear on the hook affects the contour engaging the spigot. (v) Re-assemble the lock, lubricating the spring and plunger with oil OX-14 and the other components with grease ZX-28 as detailed in the aircraft Vol. 1, Sect. 3, Chap. 5. <u>NOTE:-</u> It is not permissible to interchange any parts of separate locks.

Item No.	ITEM	OPERATION
15.	Main undercarriage fairings (contd.)	
	(c) Door locks (contd.) )	(vi) Refit the locks to their original position in the aircraft (S.I./HUNTER/78 refers).
	(d) Door mechanism. )	(i) Clean and examine for damage.
	(e) Teleflex control. )	(ii) Assist Airframe N.C.O. to check adjustments as detailed in the aircraft Vol.1, Sect.3, Chap.5. (S.I./HUNTER/72 refers).
16.	Main undercarriage lubrication.	
	(a) Upper and lower torque links. )	
	(b) Leg fairing and fairing flap connecting links. )	Lubricate with grease XG-275.
	(c) Undercarriage legs. )	
	(d) Leg fairing hinges. )	
	(e) Retraction jack attachments. )	
	(f) Undercarriage attachment bearings. )	
	(g) Universal shaft, front and rear bearings. )	
	(h) Wheel door jack attachments. )	
	(j) Leg fairing lock Teleflex control. )	
	(k) Fairing flap hinges. )	
	(l) Leg fairing lock. )	
	(m) Leg fairing lock Teleflex sliding end fittings. )	Lubricate with oil, OX-14.
	(n) Wheel door lock linkage. )	
	(o) Wheel door locks. )	

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SECTION 1 —AIRFRAME  
TRADESMEN**

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Item No.	ITEM	OPERATION
16.	Main undercarriage lubrication (contd.)	
	(p) Door lock operating levers.	) Lubricate with oil, OX-14.
	(q) Universal joints.	
	(r) 'DOWN' door stop.	
	(s) Sequence valve lever.	
	(t) Wheel door hinge.	
	(u) Lock spigots.	
17.	Mainplanes.	
	(a) Access panels.	(i) Remove and clean all access panels.
		(ii) Examine for damage.
		(iii) Examine the fasteners for wear, damage and security.
	(b) Structure.	(i) Examine for damage.
		(ii) Clear drain holes.
		(iii) Examine undersurface for signs of fuel or hydraulic fluid leaks.
	<u>N.B.</u> Operation (iv) is applicable only to aircraft <u>without Mod 962 embodied.</u>	
		(iv) Examine rivets in port and starboard wingtips for signs of pulling or looseness. Replace defective rivets (S.I./HUNTER/63 refers).

Item No.	ITEM	OPERATION
17.	Mainplanes (contd.)	
	(c) Air intakes.	(i) Examine for damage.
	(d) Boundary layer bleed ducts.	(ii) Examine air intakes for defective or missing rivets.
		(iii) Examine air intake skins for cracks (S.I./HUNTER/83 refers).
	(e) Depression doors.	(i) Examine for damage and security.
		(ii) Examine for freedom of movement.
	(f) Ailerons.	(iii) Lubricate hinges with oil, OX-14.
		(i) Examine for damage.
		(ii) Examine for loose or defective rivets.
	<u>N.B.</u> Operation (iii) is applicable only to aircraft	<u>without Mod. 932 embodied.</u>
		(iii) Examine aileron centre hinge blocks for cracks in the lug fillets (S.I./HUNTER/59 refers).
		(iv) Remove port aileron.
		(v) Supervised by Airframe N.C.O., remove the trim tab actuator for Bay Servicing.
		(vi) Fit new or serviced trim tab actuator.
	<u>N.B.</u> Operation (vii) is applicable only to aircraft	<u>with Mod. 568 and without Mod. 903 embodied.</u>
		(vii) Check for loose tab attachment rivets (S.I./HUNTER/58 refers).
		(viii) Examine the linkage pivot pins for wear.
		(ix) Lubricate the pins with grease XG-275.
		(x) Lubricate trim tab hinge with oil, OX-14.
		(xi) Refit access panel.
		(xii) Refit port aileron.
		(xiii) Check nose balance weights (in situ) for security (S.I./HUNTER/84 refers).

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Item No.	ITEM	OPERATION
18.	Flaps.	<p>(i) Examine for damage.</p> <p>(ii) Clear drain holes.</p> <p>(iii) Examine hinge fittings and mounting brackets for damage.</p> <p>(iv) Examine operating and synchronizing jacks for damage and signs of fluid leaks.</p> <p>(v) Remove the jack attachment bolts and examine for wear. Replace the bolts.</p> <p>(vi) Examine the pipelines for damage, security and signs of fluid leaks.</p> <p>(vii) Examine pipe C189160/169 - flap jack to bleed adaptor, port wing - for chafing at the cleat on the inside face of inter-spar rib F1, rear portion. Renew pipe where necessary. (S.I./HUNTER/73 refers).</p> <p>(viii) At ribs 1, 2, 3, 4, 5, 7, 11, 12, 13, 14 and 15, examine the screwed ferrules for tightness and secure locking. Re-lock as necessary by 3 centre-pop marks. (S.I./HUNTER/61 refers).</p> <p><u>NOTE:-</u> It is important that the ferrules are not over-tightened.</p>

Item No.	ITEM	OPERATION
18.	Flaps (contd.)	<p>(ix) Lubricate the hinge bolts and jack attachment bolts with grease XG-275.  <u>Pre-Mod 481</u> - Ensure locking wire is secure. (S.I./HUNTER/17 refers).  <u>Post Mod 481</u> - Examine locking plates for damage and security.</p> <p>(x) Lubricate the drum switch control rod pins with oil, OX-14.</p>
19.	(a) Aileron hydroboosters. (b) Flexible hoses.	<p>(i) Remove for Bay Servicing.  (ii) Fit new or serviced items.  Remove and fit new items.</p>
20.	Fuel system. (mainplanes)	<p>(i) Examine the fuel and air pipelines in the wheel bays for damage and security.  (ii) In conjunction with the Instrument (GEN) Tradesman, remove the leading edge panels.  (iii) Examine the fuel and air pipelines for damage and security.  (iv) Examine the front mounting plates of tank cells for security.  (v) Examine the contents gauge cables for damage and security.  (vi) Refit the leading edge panels.</p>

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Item No.	ITEM	OPERATION
21.	Flying controls (mainplanes)	
(a)	Access panels.	(i) Remove and clean. (ii) Examine for damage, wear and security.
(b)	Control rods.	(i) Examine for damage. (ii) Examine end connections for wear, security and correct locking.
(c)	Mountings and idling links.	Examine for wear and damage.
	<u>N.B.</u> Operation (d) is applicable only to aircraft <u>without Mod 933 embodied.</u>	
(d)	Aileron control tubes.	Examine for play between plug ends and tubes and for cracks in ferrules (S.I./HUNTER/59 refers).
(e)	Access panels.	Refit.
22.	Front and centre fuselage.	
(a)	Access panels.	(i) Remove and clean all access panels. (ii) Examine for damage. (iii) Examine fasteners for wear, damage and security.
(b)	Structure.	(i) Examine the external surfaces for damage, defective rivets and deterioration of surface finish.
	<u>N.B.</u> Operation (ii) is applicable only to aircraft <u>without Mod 772 embodied.</u>	
		(ii) Check stub wing top skins for loose rivets (S.I./HUNTER/43 refers)

Item  
No.

ITEM

OPERATION

22. Front and centre fuselage (contd.)

(b) Structure (contd.)

- (iii) Clear drain holes.
- (iv) Clean gun blast tubes or blast deflectors (as applicable) and examine for damage.
- (v) Examine the footstep for damage.
- (vi) Lubricate the footstep spring and hinge with oil, OX-14.
- (vii) Examine the front engine mounting for damage, security and correct locking on turnbuckle.
- (viii) Examine the rear engine mounting hinged fittings and trunnion caps for wear, damage and security.
- (ix) Examine the liquid fuel starter exhaust pipe (if applicable) for cracks (S.I./HUNTER/67 refers).
- (x) Examine the fuselage internally for damage at all frames, stringers and bulkheads.

(c) Nose fairing and nose cone  
(as applicable)

(i) Examine the external surface for damage, defective rivets and deterioration of surface finish.

(d) F95 camera installation  
(if applicable)

(i) Examine de-misting spray pipes for damage, corrosion and security.

(ii) Examine eyelid and linkage for damage and corrosion.

(iii) Lubricate pivot points with oil, OX-14.

(iv) Examine camera port(s) for damage and corrosion.

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## MAJOR SERVICING SECTION 1 —AIRFRAME TRADESMEN

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Item No.	ITEM	OPERATION
22.	Front and centre fuselage (contd.)	
	(e) Cabin, flying controls.	(i) Remove the control column dust cover(s), clean and examine for damage.
		(ii) Clean and examine for damage the aileron torque tube universal joints.
		(iii) Clean and examine for damage the rudder bar(s).
		(iv) Examine for damage the rudder pedal adjusting mechanism(s).
		(v) Examine, by operation, the rudder pedal adjusting mechanism(s) for correct functioning.
		(vi) Examine the aileron chains and sprockets for wear and the chains for correct tension.
		(vii) Examine the aileron and elevator stops for damage.
	(f) Torque shaft universal joints. )	
	(g) Aileron spring-feel unit. )	Lubricate with grease XG-275.
	(h) Rudder bar pedals. )	
	(j) Rudder bar connecting links. )	
	(k) Rudder bar centre bearing(s). )	Lubricate with oil, OX-14.
	(l) Rudder bar adjustment links. )	
	(m) Chains and sprockets. )	

Item  
No.

ITEM

OPERATION

22. Front and centre fuselage (contd.)

(n) Control column(s).

N.B. Operations (i) and (ii) are applicable only to aircraft without Mod. 948 embodied.

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|--|--|
| (i)                                    | Remove the control handle(s) for Bay Servicing. (S.I./ELECTRICAL/13 and S.I./ELECTRICAL/34 refers).              |
| (ii)                                   | Fit new or serviced control handle(s) ensuring the two Allen screws are tight.                                   |
| (iii)                                  | Lightly lubricate the brake lever(s) pivot(s) with oil OX-14.  |
| (iv)                                   | Ensure the spring retaining clip(s) are correctly assembled to the brake levers. (S.I./MISCELLANEOUS/56 refers). |
| (o) Emergency air system.              | (i)- Remove the undercarriage and flaps emergency air release valves for Bay Servicing.                          |
|  | (ii) Fit new or serviced items.  |
|  | (iii)- Remove the air bottle(s) for Bay Servicing.   |
|  | (iv) Fit new or serviced items.  |
|  | (v) Examine the pipelines for damage and security.   |
|  | (vi) Charge the system (pre Mod 168-2000 p.s.i. post Mod 168-2200 p.s.i.).                                       |
| (p) Windscreen air drier.              | (i)- Renew the silica gel crystals.  |
|  | (ii) Examine the pipeline for damage, corrosion and security.  |
|  | (iii) Ensure the container is securely stowed.   |
| (q) Windscreen wiper(s)<br>(if fitted) | (i) In conjunction with Electrical Tradesman, remove for Bay Servicing.  |
|  | (ii) Fit new or serviced item(s).  |

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## MAJOR SERVICING SECTION 1 —AIRFRAME TRADESMEN

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Item No.	ITEM	OPERATION
23.	Anti-G system.	
	(a) Anti-G valve(s).—	(i) Remove for Bay Servicing.
	(b) Pressure reducing valve(s).—	(ii) Fit new or serviced items.
	(c) Air filter(s).—	
	(d) Air bottle(s). —	
	(e) Quick release couplings.	
	(f) Pipelines.	Examine for damage and security.
	(g) Non-return valves.—	
	(h) Flexible hoses.—	Remove and fit new items.
	(j) System.	Carry out a pressure test as detailed in Part 2, Section 5 of this Schedule.
24.	Cabin air conditioning.	
	(a) Cabin air discharge valves.	(i) Remove for Bay Servicing.
	(b) Water extractor.	(ii) Fit new or serviced items.
	(c) Non return valve.	
	(d) Pre-cooler.	
	(e) Inter cooler.	
	(f) By-pass valve.	Examine for damage and security.
	(g) Flow control valve.	
	(h) Mixing unit.	
	(j) Pipelines.	

Item No.	ITEM	OPERATION
24.	Cabin air conditioning (contd.) -(k) Cold air unit.	(i) Remove for Bay Servicing. (ii) Fit new or serviced item. (iii) Replenish as necessary with oil, to required Specification.
25.	Flying controls. (front and centre fuselage) (a) Control rods.	(i) Examine for damage. (ii) Examine for longitudinal cracking (S.I./HUNTER/82 refers). (iii) Examine end connections for wear, security and correct locking.
<u>N.B.</u> Operation (b) is applicable only to aircraft <u>without Mod 1007 embodied</u> or on which the repair detailed in S.I./HUNTER/71 <u>has NOT been carried out.</u>		
(b)	Rudder control mounting lever- inboard bearing.	Examine forward angle (F 183898) for cracks. Where cracks are found carry out repairs detailed in sketches No.1 and No.2 (S.I./HUNTER/71 refers). Examine for wear and damage.
(c)	Mountings and idling links.	(i) Examine for damage and security.
(d)	Aileron two-position jack.	(ii) Lubricate bearings with grease, XG-275.
26.	Fuel system (front and centre fuselage)	(i) Examine the interior of the fuselage for signs of fuel leaks. (ii) Check pipelines for chafing by sealing plates (S.I./HUNTER/81 refers). (iii) Examine pipelines for damage and connections for security and signs of fuel leaks.

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# HUNTER AIRCRAFT SERVICING SCHEDULES

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**MAJOR SERVICING**  
**SECTION 1 —AIRFRAME**  
**TRADESMEN**

**VOLUME 5, PART 4**

Item No.	ITEM	OPERATION	
26.	Fuel system (front and centre fuselage) (contd.)	(iv) Examine vapour release valves for freedom of operation (S.I./HUNTER/85 refers).	
		(v) Examine S.P.E. non-return valves (if fitted) for leaks (S.I./HUNTER/70 refers).	
27.	Hydraulic system (front and centre fuselage)	(a) Reservoir.	
		(i) Remove for Bay Servicing.	
		(ii) Fit new or serviced item.	
		(b) Filter.	Remove element and fit new item.
		(c) Hand pump.	(i) Examine for fluid leaks.
			(ii) Clean and examine for damage and security.
		(d) Pipelines	(i) Examine for leaks and damage.
			(ii) Examine pipe, C 205179/8 (tee piece to wing break) for chafing at the electrical connection bracket to the port wing refuelling valve. <u>NOTE:-</u> Damage necessitates replacement. When refitting, ensure a clearance of $\frac{1}{4}$ inch. (S.I./HUNTER/54 refers).
			(iii) Examine pipeline from engine pump to flap selector valve, at bend where it passes into the wheel well, for kinking and flattening.

Item No.	ITEM	OPERATION
27.	Hydraulic system (front and centre fuselage) (contd.) (e) Flexible hoses. (aileron two position jack and air brake lines).	Remove and fit new hoses.
28.	(a) Rear fuselage. Access panels.	(i) Remove and clean all access panels. (ii) Examine for damage. (iii) Examine fasteners for wear, damage and security.
	(b) Structure.	(i) Examine external surface for damage and defective rivets. (ii) Clear drain holes. (iii) Examine surface finish for deterioration. (iv) Examine internally at all frames and stringers for damage.
	(c) Rudder and trim tab.	(v) Examine the jet pipe rail and mountings for security. (vi) Examine the tail bumper pad for wear. (i) Remove as detailed in the aircraft Vol. 1, Sect. 3, Chap. 3. (ii) Examine the mass balance weights for damage and security. (iii) Examine the external surface for damage and defective rivets. (iv) Clear drain holes.

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## MAJOR SERVICING SECTION 1 —AIRFRAME TRADESMEN

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Item No.	ITEM		OPERATION
28.	Rear fuselage (contd.)		
	(c) Rudder and trim tab (contd.)	(v)	Examine the trim tab actuator rod and pivot pins for wear and damage.
		(vi)	Lubricate the trim tab hinge and operating rod pivot pin with oil, OX-14.
		(vii)	Examine the bearings and bearing caps for wear and damage.
		(viii)	Refit the rudder.
	(d) Elevator.	(i)	Examine external surfaces for damage and defective rivets.
		(ii)	Examine the hinges and mounting brackets for damage.
		(iii)	Examine the universal joint for wear by locking one elevator and measuring the movement at the trailing edge of the other elevator. Maximum permissible movement is 0.13 in.
		(iv)	Lubricate the universal joint and inner hinge with grease, XG-275.
	(e) Fin and tailplane.	(i)	Examine external surfaces for damage and defective rivets.
		(ii)	Examine the elevator and rudder shrouds for damage.
		(iii)	Examine internal structure for damage.

Item  
No.

ITEM

OPERATION

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| 28. | Rear fuselage (contd.)<br>(e) Fin and tailplane (contd.)<br><br>(f) Tailplane actuator.                                   | (iv) Check inter-spar rib for loose rivets<br>(S.I./HUNTER/23 refers).<br>(v) Clear drain holes.<br>(i) In conjunction with Electrical Tradesman<br>remove for Bay Servicing.<br>(ii) Examine attachment bolts for wear.<br>(iii) Fit new or serviced item.<br>(iv) Lubricate attachment bolts with grease,<br>XG-275. |
| 29. | Flying controls<br>(rear fuselage)<br>(a) Control rods.<br><br>(b) Mountings and idling links.<br>(c) Elevator feel unit. | (i) Examine for damage.<br>(ii) Examine end connections for wear, safety<br>and correct locking.<br>Examine for wear and damage.<br>(i) Examine for damage and security.<br>(ii) Lubricate attachment points with oil, OX-14.  |
| 30. | Flying tail controls<br>(a) Micro switches (F 213728)<br><br>(b) Switch carrier and linkage.                              | (i) In conjunction with Electrical Tradesman,<br>remove and fit new micro-switches as detailed<br>in the aircraft Vol.1, Sect.3, Chap.4.<br>(ii) Assist Airframe N.C.O. in the adjustment of<br>the micro-switches.<br>Examine for damage and security.  |

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### MAJOR SERVICING SECTION 1 —AIRFRAME TRADESMEN

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Item No.	ITEM	OPERATION
30.	Flying tail controls (contd.)	
	(c) Datum actuator.	(i) Remove for Bay Servicing. (ii) Fit new or serviced item.
	<u>N.B.</u> Operation (iii) is applicable only to aircraft with Mods 597 and 629 embodied.	(iii) In conjunction with Electrical Tradesman, check by function with 24 volts input, to ensure the linkage is free (S.I./HUNTER/65 refers).
	(d) Datum actuator top attachment. )	
	(e) Forward link inner bearing. )	Lubricate with grease, XG-275.
	(f) Spring unit bottom attachment. )	
	(g) Datum actuator bottom attachment. )	
	(h) Rear links. )	Lubricate with oil, OX-14.
	(j) Forward link centre bearing. )	
	(k) Spring unit top attachment )	
	(l) Connecting rod ends. )	
31.	Elevator controls.	
	(a) Hydrobooster. )	
	(b) Micronic filter. )	(i) Remove for Bay Servicing.
	(c) Pressure switch. )	(ii) Fit new or serviced items.
	(d) Accumulator. )	
	(e) Flexible hoses. )	Remove and fit new items.

Item No.	ITEM	OPERATION
32.	Fuel system (rear fuselage)	<ul style="list-style-type: none"> <li>(i) Examine the twin gate valve for damage, security and signs of fuel leaks.</li> <li>(ii) Examine the fuel tank panels for damage and security.</li> <li>(iii) Remove the fireproof box.</li> <li>(iv) Examine the suction and pressure relief valves for damage and security.</li> <li>(v) Examine the air supply pipes and vent pipes for damage and security.</li> <li>(vi) Examine all unions and connections for signs of fuel leaks.</li> <li>(vii) Refit the fireproof box.</li> </ul>
33.	Air brake. <ul style="list-style-type: none"> <li>(a) Structure. )</li> <li>(b) Leading edge fairing. )</li> <li>(c) Mounting brackets. )</li> <li>(d) Hinge fittings. )</li> <li>(e) Flexible hoses. )</li> <li>(f) Pressure switch. )</li> <li>(g) Pipelines. )</li> <li>(h) Components. )</li> </ul>	<ul style="list-style-type: none"> <li>(i) Clean and examine for damage.</li> <li>(ii) Clear drain holes.</li> <li>(i) Clean and examine for damage.</li> <li>(ii) Lubricate hinges with grease XG-275.</li> <li>(i) Remove access panels.</li> <li>(ii) Remove all flexible hoses and fit new items.</li> <li>(i) In conjunction with Electrical Tradesman, remove for Bay Servicing.</li> <li>(ii) Fit new or serviced item.</li> <li>(i) Examine for damage, security and signs of fluid leaks.</li> <li>(ii) Refit access panels.</li> </ul>

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MAJOR SERVICING  
SECTION 1 — AIRFRAME  
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Item No.	ITEM	OPERATION
<u>N.B.</u> Item 34 is applicable only to <u>SINGLE SEAT AIRCRAFT</u>		
34.	Hood and windscreen (SINGLE SEAT A/C).	
	(a) Structure.	(i) Examine the hood and windscreen for discolouration and damage. (ii) Examine the framework for damage. (iii) Examine the hood rails for damage. (iv) Examine the rack for wear and damage. (v) Examine the pressurizing seal for damage and deterioration.
	(b) Operating mechanism.	(i) Examine the cross shaft and sprockets for wear and damage. (ii) Examine the release cables for damage. (iii) Clean the lever assembly. (iv) Examine all levers and cable attachments for damage and security. (v) Examine the jettison unit for damage and security. (vi) Examine the lock levers for damage and security.
	(c) Lubrication.	Lubricate the controls and levers as detailed in the aircraft Vol.1, Sect.3, Chap.1.

Item No.	ITEM	OPERATION
34.	Hood and windscreen (SINGLE SEAT A/C) (contd.) (d) Installation.	<ul style="list-style-type: none"> <li data-bbox="751 268 1515 354">(i) Check the operation of the jettison gun(s) as detailed in the aircraft Vol.1, Sect.3, Chap.1. (S.I./HUNTER/41 refers).</li> <li data-bbox="751 360 1515 416">(ii) Refit the hood, ensuring the jettison release unit is correctly adjusted.</li> <li data-bbox="751 422 1515 507">(iii) Assist Airframe N.C.O. to check the operation and adjustments of the hood locks as detailed in the aircraft Vol.1, Sect.3, Chap.1.</li> </ul>

N.B. Item 35 is applicable only to TWO SEAT AIRCRAFT.

35.	Hood and windscreen (TWO SEAT A/C) (a) Structure.	<ul style="list-style-type: none"> <li data-bbox="751 650 1453 705">(i) Examine the hood, quarterlights and windscreen for discolouration and damage.</li> <li data-bbox="751 712 1453 742">(ii) Examine the framework for damage.</li> <li data-bbox="751 749 1453 798">(iii) Examine the pressurizing seal for damage and deterioration.</li> </ul>
	(b) Operating mechanism in cabin.	<ul style="list-style-type: none"> <li data-bbox="751 804 1484 829">(i) Remove the cover plates from the side locks.</li> <li data-bbox="751 835 1484 952">(ii) Examine the lock control rods to the side locks and windscreen arch lock for wear, damage, security and correct locking at adjustable end fittings.</li> <li data-bbox="751 958 1484 1020">(iii) Examine the side locks, latch rollers and linkage for wear and damage.</li> </ul>

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## MAJOR SERVICING SECTION 1 —AIRFRAME TRADESMEN

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Item No.	ITEM	OPERATION
35.	Hood and windscreen (TWO SEAT A/C) (contd.)	
	(b) Operating mechanism in cabin (contd.)	(iv) Examine the windscreen arch lock and linkage for damage. (v) Remove the windscreen arch lock Teleflex cable and lubricate with grease, XG-273. (vi) Examine the jettison release unit and cross shaft for damage and security.
	(c) Operating mechanism in hood fairing.	(i) Examine the hood torque shaft for damage and security. (ii) Examine the jettison cross shaft for damage and security. (iii) Examine the jettison release levers, control rods and the hood fairing panel for damage, security and correct locking at adjustment points.
	(d) Hood operating jack with sequence valve. )	
	(e) Hood lock jack. )	(i) Remove for Bay Servicing.
	(f) Hood lock valve. )	(ii) Fit new or serviced items.
	(g) Accumulator. )	
	(h) Main system pressure switch. )	
	(j) Flexible hoses.	Remove and fit new hoses.
	(k) Hydraulic components.	Examine all hydraulic components for damage, security and signs of fluid leaks.

Item No.	ITEM	OPERATION
35.	Hood and windscreen (TWO SEAT A/C) (contd.) (l) Lubrication.  (m) Installation.	Lubricate the controls and levers as detailed in the aircraft Vol.1, Sect.3, Chap.1. (i) Check the operation of the jettison gun(s) as detailed in the aircraft Vol.1, Sect.3, Chap.1 (S.I./HUNTER/41 refers). (ii) Refit the hood, ensuring the jettison release unit is correctly adjusted. (iii) Assist Airframe N.C.O., in conjunction with Electrical N.C.O., to check the operation and adjustment of the hood locks and micro-switches as detailed in the aircraft Vol.1, Sect.3, Chap.1. (iv) Refit the inspection plugs and side lock covers.
36.	Rear fuselage.	(i) Supervised by Airframe N.C.O., and in conjunction with Electrical Tradesmen, refit the rear fuselage ensuring that units are tightened evenly and in opposite pairs. (ii) Lock nuts with nickel alloy locking wire. (iii) Place trestle under rear fuselage.
37.	Nose fairing and nose cone (as applicable)	Assisted by Radar Tradesmen, refit.
38.	Jet pipe.	Assist Engine Tradesmen to refit.

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Item No.	ITEM	OPERATION
39.	Tail cone.	Assisted by Electrical Tradesmen, refit.
40.	Hydraulic system.	(i) Supervised by Airframe N.C.O., bleed the system. <u>NOTE:-</u> It is essential to keep the reservoir full during bleeding operations. (ii) Connect ground test rig. (iii) Assist Airframe N.C.O. to carry out functional checks as detailed in Part 2, Section 5 of this Schedule. (iv) Bleed the air from flaps and undercarriage circuits after the Airframe N.C.O. has completed the emergency lowering test. (v) Remove ground test rig. (vi) Replenish reservoir as necessary.
41.	Cabin.	(i) Assist Airframe N.C.O. to carry out a cabin pressurization test as detailed in Part 2, Section 5 of this Schedule. (ii) Clean with vacuum cleaner. (iii) Carry out 'loose article' check.

Item No.	ITEM	OPERATION
42.	Alighting gear.	<ul style="list-style-type: none"> <li>(i) Fit ground safety locks.</li> <li>(ii) Remove trestles.</li> <li>(iii) Lower the aircraft from jacks.</li> <li>(iv) Remove jacks and other ground equipment.</li> </ul>
43.	Braking parachute.	<ul style="list-style-type: none"> <li>(i) Assisted by Electrical and Armament Tradesmen, instal replacement braking parachute as detailed in the aircraft Vol.1, Sect.2, Chap.2.</li> <li>(ii) Carry out a cocking test as detailed in the aircraft Vol.1, Sect.2, Chap.2.</li> </ul>
44.	Aircraft generally.	<ul style="list-style-type: none"> <li>(i) Remove from the aircraft all tools, rags and other Servicing materials.</li> <li>(ii) Refit all access panels, ensuring flush fitting and correct locking.</li> </ul>
45.	Ground run.	Assist Airframe N.C.O. in functional check of hydraulic services during engine ground run.
46.	Rear fuselage (post ground run)	<p>Upon completion of ground run, assist Airframe N.C.O. to</p> <ul style="list-style-type: none"> <li>(i) Examine the locking of attachment nuts.</li> <li>(ii) Examine pipe connections for leaks, security and locking.</li> <li>(iii) Examine electrical connections for security.</li> <li>(iv) Fit and lock butt strap.</li> </ul>

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Item No.	ITEM	OPERATION
47.	Hood and windscreen.	Clean, using only the approved plastics polishing set.
48.	Servicing Documents.	Sign for completing the relevant Servicing.

Item  
No.

ITEM

OPERATION



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