

HUNTER AIRCRAFT SERVICING SCHEDULES

MK.57
(H.S.A.5)

MAJOR SERVICING

Volume 5, Part 4

SECTION 3

ELECTRICAL SERVICING

4184/41

SECTION 3



HUNTER AIRCRAFT SERVICING SCHEDULES

MK.57
(H.S.A 5)

MAJOR SERVICING
SECTION 3 —ELECTRICAL
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.	Rear fuselage.	(i) Supervise disconnection of electrical services at transport joint. (ii) Upon completion of the relevant servicing, supervise reconnection of the electrical services at transport joint.
4.	Centre fuselage.	(i) Supervise disconnection of electrical services for engine removal. (ii) Upon completion of the relevant servicing, supervise reconnection of the electrical services.

Item No.	ITEM	OPERATION
-5.	High energy ignition system.	<ul style="list-style-type: none"> (i) Trip circuit breaker. (ii) Remove fuses. (iii) Upon completion of the relevant servicing, refit fuses and close circuit breaker. (iv) In conjunction with Engine N.C.O. check for correct functioning by pressing the 'RELIGHT' button and listening for the discharge.
6.	Fire extinguisher system.	Assisted by Electrical Tradesman, test the circuit(s) as follows:-
	(a) Fire detector switches (if fitted)	<ul style="list-style-type: none"> (i) Remove fire warning circuit fuse. (ii) Remove fire warning lamp. (iii) Remove two holding bolts from one easily accessible switch. (iv) Remove cover plate. (v) Check insulation resistance between terminals; minimum permissible, 2 megohms. (vi) Check insulation resistance between each terminal and earth; minimum permissible 2 megohms. (vii) Refit fire warning lamp and circuit fuse. (viii) Bridge terminals of switch and ensure fire warning lamp illuminates, and goes out when bridge is removed. (ix) Refit cover plate and holding bolts.

HUNTER AIRCRAFT SERVICING SCHEDULES

MK.57
(H.S.A 5)

MAJOR SERVICING
SECTION 3 — ELECTRICAL
N.C.O.

VOLUME 5, PART 4

Item No.	ITEM	OPERATION
6.	Fire extinguisher system (contd.)	
	(b) Firewire installation (if fitted)	Assisted by Electrical Tradesman, inspect and test the firewire elements, control unit and coupling unit as detailed in the aircraft Vol. 1, Sect. 5, Chap. 1 and in A.P. 4343E, Vol. 6.
	<i>F/CARD</i> (c) Push button(s).	(i) Insert a test lamp at each fire bottle connection. (ii) Operate the push button(s) and ensure the test lamps illuminate. (iii) Release the push button(s) and ensure the test lamps go out.
	(d) Inertia switches.	(i) Supervise removal for Bay Servicing. (ii) Supervise fitment of new or serviced items. (iii) Bridge connections on both switches and ensure the test lamps illuminate. (iv) Remove bridges and ensure test lamps go out. (v) Remove test lamps.
7.	<i>F/CARD</i> Armament circuits (as applicable)	
	(a) Gun firing circuit(s).)	
	(b) Gun ventilation system.)	
	(c) R.P. firing circuit(s).)	
	(d) Bomb circuit(s).)	
4426/2	(e) Hot air valve)	
	(SINGLE SEAT A/C))	In conjunction with Armament N.C.O., check for correct functioning.

Item No.	ITEM	OPERATION
8.	Engine bay.	(i) Supervise examination of electrical cables and equipment. (ii) Supervise removal of components for Bay Servicing. (iii) Supervise fitment of new or serviced components.
9.	Radio bay. (as applicable) (a) Generator control panel.) (b) Supply panel.) (c) Gun firing panel.) (d) Circuit breaker(s).) (e) Power unit.) (f) Inertia switches.) (g) Inverter(s).)	(i) Supervise removal for Bay Servicing. (ii) Supervise fitment of new or serviced items.
10.	Nose wheel bay (as applicable) (a) Jet pipe temperature control time switch.) (b) Inverter(s).)	(i) Supervise removal for Bay Servicing. (ii) Supervise fitment of new or serviced items.

HUNTER AIRCRAFT SERVICING SCHEDULES

MK.57
(H.S.A.5)

MAJOR SERVICING SECTION 3 —ELECTRICAL N.C.O.

VOLUME 5, PART 4

Item No.	ITEM	OPERATION
11.	Cabin. (as applicable)	
	(a) Inverter(s).)	
	(b) Control panel(s).)	
	(c) Leg panel.)	
	(d) Port shelf.)	(i) Supervise removal for Bay Servicing.
	(e) Starboard shelf.)	(ii) Supervise fitment of new or serviced items.
	(f) Control handles.)	
	(g) Hood 'open' delay unit.)	
	(h) Hood 'closed' delay unit.)	
	(j) Warning horn.)	
	(k) Electrical components.)	Supervise examination of electrical components and wiring.
12.	Hood fairing compartment (as applicable)	
	(a) Cabin air temperature control) actuator.)	(i) Supervise removal for Bay Servicing.
	(b) Inverter(s).)	(ii) Supervise fitment of new or serviced items.
	(c) Control panel(s).)	
	(d) Electrical components.)	Supervise examination of electrical components and wiring.

Item No.	ITEM	OPERATION
13.	Rear fuselage (as applicable)	
	(a) Tailplane actuator.	(i) Supervise removal for Bay Servicing.
	(b) Main contactors.	(ii) Supervise fitment of new or serviced items.
	(c) Stand-by contactors.	
	(d) Datum actuator.	

N.B. In Item 14 the maximum permissible reading is 0.025 ohms, but where any single bond is tested, a reading of 0.050 ohms is permissible.

14.	Aircraft bonding (as applicable)	Assisted by Electrical Tradesman, carry out the following bonding tests:-
	(a) Bonding tester.	Press the two prods on Type A lead against the single prod on Type B lead. The ohmmeter must indicate ZERO. Check from the earth point of the battery negative to the following points in turn:-
	(b) Port mainplane.	(i) Main undercarriage axles.
	(c) Starboard mainplane.	(ii) Flaps.
		(iii) Ailerons.
		(iv) Extreme wing tips.
	(d) Cabin.	(i) Instrument panels.
		(ii) Leg panels.
		(iii) Centre console (TWO SEAT A/C).
		(iv) Port shelf.
		(v) Starboard shelf.
		(vi) Control column(s).
		(vii) Seat(s).
		(viii) Gun sight(s).

HUNTER AIRCRAFT SERVICING SCHEDULES

MK.57
(H.S.A.5)

MAJOR SERVICING SECTION 3 — ELECTRICAL N.C.O.

VOLUME 5, PART 4

Item No.	ITEM	OPERATION
14.	Aircraft bonding (as applicable) (contd.)	
	(d) Cabin (contd.)	(ix) Rudder pedals. (x) Inverter(s) (xi) Hood.
	(e) Fuselage.	(i) Nose wheel axle. (ii) Flying control rods. (iii) Inverter(s). (iv) Generators. (v) Generator control panel. (vi) Supply panel. (vii) Gun firing panel. (viii) High energy ignition units. (ix) Air brake. (x) Jet pipe. (xi) Rear fairing.
	(f) Tail unit.	(i) Tail plane. (ii) Elevator. (iii) Rudder. (iv) Actuator(s).
15.	Inverters. (as applicable)	
	(a) Type 100A.)
	(b) Type 200.)
		Assisted by Electrical Tradesman, carry out functional checks as detailed in Part 2, Section 5 of this Schedule.

Item No.	ITEM	OPERATION
15.	Inverters (as applicable) (contd.) (c) Type 206.	Assisted by Electrical Tradesman, carry out functional checks as detailed in Part 2, Section 5 of this Schedule.
16.	Jet pipe temperature control system.	Assisted by Electrical Tradesman, carry out tests as detailed in A.P.4343S, Vol. 1.
17.	Alighting gear. (a) Door locks.) (b) Undercarriage position) indicators.)	In conjunction with the Airframe N.C.O.:- (i) Adjust the settings of the micro switches as detailed in the aircraft Vol. 1, Sect. 3, Chap. 5. (S.I./HUNTER/72 refers). (ii) During retraction tests, examine the operation of the undercarriage indicator and warning systems for correct functioning. (iii) Ensure that the undercarriage warning light operates when the throttle is less than 4° open while the undercarriage is not locked down.
18.	Tailplane control micro switches (F 213728)	In conjunction with Airframe N.C.O. (i) Remove and fit new switches as detailed in the aircraft Vol. 1, Sect. 3, Chap. 4. (ii) Function the datum actuator to ensure that the linkage is free (S.I./HUNTER/65 refers).

HUNTER AIRCRAFT SERVICING SCHEDULES

MK.57
(H.S.A.5)

MAJOR SERVICING SECTION 3 —ELECTRICAL N.C.O.

VOLUME 5, PART 4

Item No.	ITEM	OPERATION
<u>N.B.</u> Item 19 is applicable only to aircraft <u>without by-pass hydroboosters embodied.</u>		
19.	Hydroboosters.	
	(a) Ailerons.)
	(b) Elevator.)
		In conjunction with the Airframe N.C.O., adjust the settings of the release units as detailed in the aircraft Vol.1, Sect.3, Chap.4. (S.I./HUNTER/66 refers).
20.	(a) Liquid fuel starter system (if fitted).	(i) Supervise disconnection of system and removal of units (as applicable) for Bay Servicing.
		(ii) Supervise fitment of new or serviced items and reconnection of system.
	(b) Turbo-combustion starter system (if fitted)	(i) Supervise disconnection of system and removal of units (as applicable) for Bay Servicing.
		(ii) Supervise fitment of new or serviced items and reconnection of system.
		(iii) Assisted by Electrical Tradesman test circuit as detailed in operations (iv) to (xvii).
		(iv) Ensure all cartridges are removed from starter.
		(v) At terminal 9, disconnect earthing wire between terminal 9 (engine starting switch) and terminal 3 (leg panel).

Item No.	ITEM	OPERATION
20.	(contd.) (b) Turbo-combustion starter system (if fitted) (contd.)	<p>(vi) Check resistance, using safety ohmmeter, between terminal 9 and earth. Reading is not to exceed 1 ohm.</p> <p>(vii) Using bonding tester, check that resistance to earth of earthing wire disconnected from terminal 9, does not exceed 0.025 ohms.</p> <p>(viii) Using bonding tester, ensure that starter body is earthed to airframe.</p> <p>(ix) Disconnect cable assembly C3 from plug on engine and cable assembly F.64 from time switch in cabin.</p> <p>(x) Using Type 'D' testmeter, check that two of the three pins A, B or J of the socket of cable assembly C.3 are connected to pin 1. Check the remaining pin with Type 'C' insulation tester, to ensure that it is not connected to earth.</p> <p>(xi) Press the starting switch once and repeat operation (x). Repeat this test three times.</p> <p>(xii) Using Type 'D' Testmeter, check that resistance between pin 1 of the socket of cable assembly F.64 and earth is 165 ohms, plus or minus 12 ohms.</p> <p>(xiii) Reconnect cable assembly F.64 to the time switch plug, cable assembly C.3 to the engine plug and the earth wire to terminal 9 of the starting switch.</p>

HUNTER AIRCRAFT SERVICING SCHEDULES

MK.57
(H.S.A.5)

MAJOR SERVICING
SECTION 3 - ELECTRICAL
N.C.O.

VOLUME 5, PART 4

Item No.	ITEM	OPERATION
20.	(contd.)	
	(b) Turbo-combustion starter system (if fitted) (contd.)	(xiv) Insert three cartridge test units into the starter. (xv) Close the engine master switch and press the starter switch once and note which indicator light glows in the cartridge test units (only one light is to be on during any one cycle). Wait 30 seconds and ensure that starting switch button is held in during this time. (xvi) Repeat operation (xv) six times and ensure that the indicated lamps operate in correct sequence. (xvii) Set engine master switch to 'OFF' and remove cartridge test units.
21.	Explosion suppression system (if operative)	Carry out functional checks as detailed in Part 2, Section 5 of this Schedule.
22.	Flying controls.	In conjunction with Airframe N.C.O., check the electrical services during functional check of flying controls.

Item No.	ITEM	OPERATION
23.	Hood control system.	<p>In conjunction with the Airframe N.C.O. and with the assistance of the Electrical Tradesman:-</p> <p>(i) Check the adjustment of the hood micro switches as detailed in the aircraft Vol.1, Sect.3, Chap.1.</p> <p><u>N.B.</u> Operation (ii) is applicable only to <u>TWO SEAT AIRCRAFT.</u></p>
		<p>(ii) During replacement of the hood, ensure the hood release unit is correctly loaded and adjust the setting of the DOWMIC switch tappet as detailed in the aircraft Vol.1, Sect.3, Chap.1.</p> <p>(iii) During hydraulic checks, examine the time delay units for correct function.</p> <p>(iv) Examine the indicator(s) for correct operation when the undercarriage is retracted.</p>
24.	Engine anti-icing (if fitted)	<p>In conjunction with the Engine N.C.O., check for correct functioning.</p>
25.	Aircraft generally.	<p>Supervise the removal from the aircraft of all tools, rags and other Servicing materials.</p>
26.	Ground run.	<p>In conjunction with the Engine N.C.O. during engine ground run, check the generator control system as detailed in Part 2, Section 5 of this Schedule.</p>
27.	Servicing Documents.	<p>Sign for completing the relevant Servicing.</p>

HUNTER AIRCRAFT SERVICING SCHEDULES

MK.57
(H.S.A.5)

MAJOR SERVICING SECTION 3 — ELECTRICAL 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.	Batteries.	
	-(a) Main.)	(i) Disconnect and remove for charging.
	-(b) Standby.)	(ii) Upon completion of the relevant servicing, fit and connect new or serviced batteries.
	-(c) Radio standby.) (as applicable).)	
-4.	Stowages and structure (Main, Standby and Radio Standby) (as applicable)	(i) Examine for corrosion and spilt electrolyte. If found, inform Electrical N.C.O. and then neutralise the affected areas with bicarbonate of soda solution. (ii) Treat with anti-sulphuric paint when instructed by Electrical N.C.O.

Item No.	ITEM	OPERATION
5.	Fuselage.	
	<i>ENG</i> (a) Tail cone.	(i) Disconnect braking parachute. (ii) Assist Airframe Tradesman to remove braking parachute and tail cone.
	<i>ENG</i> (b) Rear fuselage.	(i) Disconnect electrical services at rear transport joint and stow plugs. (ii) Assist Airframe Tradesman to remove rear fuselage.
	<i>ENG REMO</i> (c) Centre fuselage.	Disconnect electrical services for engine removal.
-6.	Fire extinguisher system.	(i) Disconnect bottle(s) for removal by Engine Tradesman. (ii) Assist Electrical N.C.O. in circuit tests of system. (iii) Reconnect new or serviced extinguisher bottle(s).
-7.	Generators.	(i) Disconnect for removal by Engine Tradesman for Bay Servicing. (ii) Connect new or serviced items after fitting by Engine Tradesman.
8.	Fuel cock actuators.	In conjunction with Engine Tradesman:- (i) Remove for Bay Servicing. (ii) Fit new or serviced items.
9.	<i>ENG</i> Starter fuel pump motor. (if fitted)	(i) Remove for Bay Servicing. (ii) Fit new or serviced item.

HUNTER AIRCRAFT SERVICING SCHEDULES

MK.57
(H.S.A.5)

MAJOR SERVICING SECTION 3 —ELECTRICAL TRADESMEN

VOLUME 5, PART 4

Item No.	ITEM	OPERATION
10.	^{CRD} _{ENG} Starter ignition unit. (if fitted)	(i) Remove for Bay Servicing. (ii) Fit new or serviced items.
11.	_{E.C.} High energy ignition units.	(i) Remove for Bay Servicing. (ii) Fit new or serviced units.
12.	_{E.C.} Fuel pumps.	In conjunction with Engine Tradesman:- (i) Remove for Bay Servicing. (ii) Fit new or serviced items.
13.	Fuel filter de-icing pump.	(i) Remove for Bay Servicing. (ii) Fit new or serviced item.
14.	_{E.C.} Air supply valve actuator.	(i) Remove for Bay Servicing. (ii) Fit new or serviced item.
15.	Liquid starter fuel system (if fitted)	
	-(a) Starter control unit.	(i) Clean components.
	-(b) Ignition switch.	(ii) Examine for damage and security.
	-(c) High pressure switch.	(iii) Examine cables for correct cleating and for contamination by fuel, grease or oil.
	-(d) Solenoid valve.	(iv) Examine plug and socket connections for security.

Item No.	ITEM	OPERATION
16.	Turbo combustion starter system (if fitted)	
	(a) Ignition cables.)	(i) Disconnect for servicing by Engine Tradesman.
	(b) Overspeed relay cable.)	(ii) Upon completion of relevant servicing, reconnect.
	(c) System.	Assist Electrical N.C.O. to test circuit.
17.	Armament junction boxes (as applicable)	(i) Examine for damage and security. (ii) Examine plug and socket connections for security.
18.	Engine bay.	
	-(a) Electrical cables.	(i) Clean. (ii) Examine for deterioration of insulation. (iii) Examine for correct cleating and contamination by fuel, grease or oil.
	-(b) Terminal blocks.	(i) Clean. (ii) Examine for damage and security. (iii) Examine terminal connections for security. (iv) Examine covers for security.
	-(c) Earthing points.	(i) Clean. (ii) Examine terminal connections for security.
	(d) Fire detector switches (if fitted)	(i) Clean. (ii) Examine for damage and security. (iii) Assist Electrical N.C.O. to test switch circuits.
	-(e) Firewire detector loop elements, control unit and coupling unit (if fitted)	(i) Clean. (ii) Examine for damage and security. (iii) Assist Electrical N.C.O. to test the installation as detailed in the aircraft Vol.1, Sect.5, Chap.1. and in A.P.4343E, Vol.6.

HUNTER AIRCRAFT SERVICING SCHEDULES

MK.57
(H.S.A.5)

MAJOR SERVICING SECTION 3 —ELECTRICAL TRADESMEN

VOLUME 5, PART 4

Item No.	ITEM	OPERATION
18.	Engine bay (contd.)	
	(f) Suppressors	(i) Clean. (ii) Examine for damage, deterioration and security. (iii) Examine capacitors and coils for damage.
19.	Fuel system (fuselage and wings)	
	^{INS} (a) High and low level switches.)	(i) Examine for damage and security.
	^{INS} (b) Pressure switches.)	(ii) Examine connections for security.
	^{INS} (c) Refuelling valves.)	
20.	Radio bay.	
	-(a) Generator control panel.)	(i) Remove for Bay Servicing.
	-(b) Supply panel.)	(ii) Fit serviced panels.
	-(c) Gun firing panel.)	
	-(d) Circuit breaker(s).)	(i) Remove for Bay Servicing.
	-(e) Inverter(s). <i>1, TYPE, 100A</i>)	(ii) Fit new or serviced item(s).
	<i>ii) " 200</i>)	(iii) Assist Electrical N.C.O. to carry out functional checks on inverters as detailed in Part 2, Section 5 of this Schedule.
	<i>iii) " 206</i>)	
	(f) Power unit(s).	(i) Remove for Bay Servicing. (ii) Fit new or serviced item(s).

Item No.	ITEM	OPERATION
20.	Radio bay (contd.)	
	-(g) Inertia switch(es)	(i) Remove for Bay Servicing. (ii) Fit new or serviced item(s).
	-(h) Armament junction boxes.	(i) Examine for damage and security. (ii) Examine plug and socket connections for security.
	-(j) Electrical cables.	(i) Clean. (ii) Examine for deterioration of insulation. (iii) Examine for correct cleating or any contamination.
	-(k) Terminal blocks.	(i) Clean. (ii) Examine for damage and security. (iii) Examine terminal connections for security. (iv) Examine covers for security.
	-(l) Earthing points.	(i) Clean. (ii) Examine terminal connections for security.
	-(m) External supply plug.	(i) Clean. (ii) Examine for damage and security. (iii) Examine pins for signs of burning.
21.	-(a) Gun ventilation actuator.) In conjunction with Armament Tradesmen:- (i) Remove for Bay Servicing. (ii) Fit new or serviced items.
	-(b) Gun heating actuator.	

HUNTER AIRCRAFT SERVICING SCHEDULES

MK.57
(H.S.A 5)

MAJOR SERVICING SECTION 3 —ELECTRICAL TRADESMEN

VOLUME 5, PART 4

Item No.	ITEM	OPERATION
22.	Cabin.	
	(a) Circuit breakers.	(i) Clean.
	(b) Switches.	(ii) Examine for damage and security.
	(c) Lamps.	(iii) Where applicable, check the condition of the radiation protective paint on switches (S.I./ELECTRICAL/38 refers).
	(d) Terminal blocks.	Examine the lamp cap housings for security (S.I./ELECTRICAL/24 refers).
	(e) Bridge and single pillar lampholders.	(i) Examine for damage and security.
	(f) Cabin lamps Type C No.2	(ii) Replace cracked or loose screens. (S.I./ELECTRICAL/30 refers).
	(g) Plugs and sockets.	(i) Examine for damage, deterioration and security.
	(h) Electrical cables.	(ii) Examine for correct cleating.
	(j) Junction boxes (as applicable)	(i) Examine for damage and security.
		(ii) Examine fuses for condition and correct rating.
	(k) Leg panel(s).	
	(l) Port shelf.	(i) Remove for Bay Servicing.
	(m) Starboard shelf.	(ii) Fit serviced panels and shelves.
	(n) Instrument panel	
	(o) Centre console (TWO SEAT A/C)	(i) Examine cables for damage and correct cleating.
		(ii) Examine plug and socket connections for security.
		(iii) Examine relays for damage and security.

Item No.	ITEM	OPERATION
22.	Cabin (contd.)	
	<u>N.B.</u> Operation (p) is applicable only to aircraft <u>without Mod. 948 embodied.</u>	
	-(p) Control column handle(s).	(i) Disconnect in preparation for removal by Airframe Tradesman (S.I./ELECTRICAL/13 and S.I./ELECTRICAL/34 refers). (ii) Connect new or serviced handle(s).
23.	Main fuse box.	(i) Examine for damage and security. (ii) Examine fuses for condition and correct rating.
24.	Main trunking.	(i) Examine for damage. (ii) Examine cables for damage or chafing. (iii) Examine plug and socket connections for security.
25.	Hood control system	
	-(a) Hood "open" delay unit.)	(i) Remove for Bay Servicing.
	(b) Hood "closed" delay unit.)	(ii) Fit new or serviced items.
	(c) Warning horn.)	
	(d) Hood lock micro switches.)	(i) Examine for damage and security.
	e, Hood actuator. (Single Sealers)	(ii) Examine rubber cowls for correct fitting and freedom from cracks.
		(iii) Operate and ensure the switches function crisply, with no tendency to sluggishness.
		(iv) Seal cable entries with P.I.C. No.2.
		(v) Assist Electrical N.C.O. to check adjustment of switches.

HUNTER AIRCRAFT SERVICING SCHEDULES

MK.57
(H.S.A.5)

MAJOR SERVICING SECTION 3 — ELECTRICAL TRADESMEN

VOLUME 5, PART 4

Item No.	ITEM	OPERATION
<u>N.B.</u> Item 26 is applicable only to <u>SINGLE SEAT AIRCRAFT</u>		
26.	Hood fairing compartment (SINGLE SEAT A/C)	
	(a) Cabin air temperature control actuator.	(i) Remove for Bay Servicing. (ii) Fit new or serviced item.
	(b) Follow-up resistor.	Examine for damage and security.
	(c) Suppressor.	(i) Examine for damage, deterioration and security. (ii) Examine capacitors and coils for damage.
	(d) Hood seal valve.	(i) Clean.
	(e) Electrical cables.	(ii) Examine for damage and security.

N.B. Item 27 is applicable only to TWO SEAT AIRCRAFT

27.	Hood fairing compartment (TWO SEAT A/C)	
	(a) Cabin air temperature control actuator.	(i) Remove for Bay Servicing. (ii) Fit new or serviced item.
	(b) Follow-up resistor.	Examine for damage and security.
	(c) Suppressor.	(i) Examine for damage, deterioration and security. (ii) Examine capacitors and coils for damage.

Item No.	ITEM	OPERATION
27.	Hood fairing compartment (TWO SEAT A/C) (contd.)	
	(d) Hood solenoid valve.)	(i) Clean.
	(e) Hood seal solenoid.)	(ii) Examine for damage and security.
	(f) Hood jack micro switch.)	(iii) Ensure micro switches operate crisply with no tendency to sluggishness.
	(g) Torque shaft micro switch (DOWMIC))	(iv) Assist Electrical N.C.O. to check micro switch settings as detailed in the aircraft Vol.1, Sect.3, Chap.1.
	(h) Electrical cables.	Examine for damage and security.
28.	Main and nose wheel bays.	
	(a) Aileron control pressure switch (by-pass hydroboosters)	Reconnect after fitting by Airframe Tradesman.
	-(b) Flaps drum switch.	(i) Clean.
		(ii) Examine for damage and security.
	-(c) Top temperature control time switch (if fitted)	(i) Remove for Bay Servicing.
		(ii) Fit new or serviced item.
	-(d) Micro switches.	(i) Clean.
		(ii) Examine for damage and security.
		(iii) Examine rubber cowls for correct fitting and freedom from cracks.
		(iv) Operate and ensure the switches function smartly with no tendency to sluggishness.
		(v) Seal cable entries with P.I.C. No.2.
		(vi) Assist Electrical N.C.O. to check for correct adjustments as detailed in the aircraft Vol.1, Sect.3, Chap.5. (S.I./HUNTER/72 refers).

HUNTER AIRCRAFT SERVICING SCHEDULES

MK.57
(H.S.A 5)

MAJOR SERVICING SECTION 3 —ELECTRICAL TRADESMEN

VOLUME 5, PART 4

Item No.	ITEM	OPERATION
28.	Main and nose wheel bays (contd.)	
	(e) Plugs and sockets.)	
	(f) Terminal blocks.) (i) Clean.	
	(g) Armament junction boxes) (ii) Examine for damage and security.	
	(as applicable))	
	(h) Electrical cables.) (i) Clean.	
		(ii) Examine for damage, deterioration or contamination by fuel, oil or grease.
		(iii) Examine for correct cleating.
		(iv) Examine terminal connections for security.
29.	Servicing lights.	
	(a) Nose wheel bay.) (i) Clean.	
	(b) Radio bay.) (ii) Examine for damage and security.	
	(c) Starter bay.) (iii) Check for correct functioning.	
30.	External hood control switch.	(i) Clean.
		(ii) Examine for damage and security.
31.	Wings.	
	(a) Armament junction boxes) (i) Clean.	
	(as applicable)) (ii) Examine for damage and security.	
		(iii) Examine plug and socket connections for security.

Item No.	ITEM	OPERATION
31.	Wings (contd.)	
	-(b) Navigation lights.	(i) Clean.
		(ii) Examine lampholders for damage and security.
		(iii) Examine transparent panels for deterioration or damage.
	-(c) Electrical cables.	(i) Clean.
		(ii) Examine for damage, deterioration or contamination by fuel, grease or oil.
		(iii) Examine for correct cleating.
		(iv) Examine terminal connections at components for security.
	-(d) Terminal blocks.	(i) Clean.
		(ii) Examine for damage and security.
		(iii) Examine terminal connections for security.
		(iv) Examine covers for security.
32.	Tail unit.	
	AKC (a) Tailplane actuator.)	In conjunction with Airframe Tradesman,
	-(b) Main reversing contactors.)	(i) Remove for Bay Servicing.
	-(c) Stand-by reversing contactors.)	(ii) Fit new or serviced items.
	AKC (d) Datum actuator.)	
	-(e) Micro switches (F213728)	Assist Electrical N.C.O. to remove the flying tail switch gear microswitches and fit new items.
	E-0 AKC / CARO (f) Datum actuator linkage.	Assist Airframe Tradesman to function the datum actuator with 24 volts input to ensure the linkage is free (S.I./HUNTER/65 refers).
	(g) Elevator control pressure switch (by-pass hydroboosters).	Reconnect after fitting by Airframe Tradesman.

INST
10.02

HUNTER AIRCRAFT SERVICING SCHEDULES

MK.57
(H.S.A.5)

MAJOR SERVICING SECTION 3 --ELECTRICAL TRADESMEN

VOLUME 5, PART 4

Item No.	ITEM	OPERATION
33.	Rear fuselage.	
(a)	Navigation light.	(i) Examine lampholder for damage and security. (ii) Examine cover for damage and deterioration.
(b)	Air brake pressure switch. <i>INST. 10, b,</i>	In conjunction with Airframe Tradesman, (i) Remove for Bay Servicing. (ii) Fit new or serviced item.
(c)	Electrical cables.	(i) Clean. (ii) Examine for damage, deterioration or contamination by fuel, grease or oil. (iii) Examine for correct cleating. (iv) Examine terminal connections at components for security.
(d)	Terminal blocks.	(i) Clean. (ii) Examine for damage and security. (iii) Examine terminal connections for security. (iv) Examine covers for security.
(e)	Earthing points.	(i) Clean. (ii) Examine terminal connections for security.
(f)	Firewire detector loop elements (if fitted)	(i) Clean. (ii) Examine for damage and security.
(g)	Fire detector switches (if fitted)	(i) Clean. (ii) Examine for damage and security. (iii) Assist Electrical N.C.O. to test switches.

Item No.	ITEM	OPERATION
34.	Fuselage.	
	(a) Centre fuselage.	Connect electrical services after engine installation.
	(b) Rear fuselage.	(i) Assist Airframe Tradesman to refit.
	(c) Tail cone.	(ii) Connect electrical services at transport joint.
	(d) Braking parachute.	(i) Assist Airframe Tradesman to refit tail cone and braking parachute.
		(ii) Assist Airframe and Armament Tradesmen during functional check and cocking test of braking parachute release unit.
35.	Aircraft bonding.	Assist Electrical N.C.O. to carry out general bonding test.
36.	Jet pipe temperature control system.	Assist Electrical N.C.O. to carry out tests as detailed in A.P.4343S, Vol.1.
37.	Explosion suppression system (if operative)	Assist Electrical N.C.O. to carry out a functional check as detailed in Part 2, Section 5 of this Schedule.
38.	Lights.	
	(a) External.	Check for correct functioning on both 'NORMAL' and 'EMERGENCY', and on 'FLASH' and 'STEADY' (as applicable).
	(b) Internal.	
	(c) Emergency.	
	(d) Combined landing and taxi lamp (if applicable)	(i) Check for correct functioning in both 'TAXY' and 'LAND' positions.
		(ii) Check that lamp retracts when switched 'OFF'.

FUNC CH

FUNC/CARD

INST.

} FUNCTION

HUNTER AIRCRAFT SERVICING SCHEDULES

MK.57
(H.S.A 5)

MAJOR SERVICING SECTION 3 — ELECTRICAL TRADESMEN

VOLUME 5, PART 4

Item No.	ITEM	OPERATION
39.	Aircraft generally.	(i) Remove from the aircraft all tools, rags and other Servicing materials. (ii) Refit access panels, ensuring flush fitting and correct locking.
40.	Ground run.	Assist Electrical N.C.O. and Airframe N.C.O. to carry out functional checks during engine ground run.
41.	Servicing Documents.	Sign for completing the relevant Servicing.

Item No.	ITEM	OPERATION
-------------	------	-----------

This file was downloaded
from the RTFM Library.

Link: www.scottbouch.com/rtfm

Please see site for usage terms,
and more aircraft documents.



**TELEBRIEF
CONNECTIONS**

E