

# HUNTER AIRCRAFT SERVICING SCHEDULES

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

## REMOVAL AND INSTALLATION ENGINE CHANGE UNIT SECTION 2 — PREPARATION FOR INSTALLATION

VOLUME 5, PART 5

### AIRFRAME N.C.O.

Item No.	ITEM	OPERATION
1.	Rear fuselage.	Check attachment spigots for tightness, using special tool (B200521). <u>NOTE</u> :- If re-tightening of any spigot has been possible, the spigot securing nut must be re-peened.
2.	Cold air unit.	(i) Ascertain if unit is due for change. (ii) If due for change, supervise the fitment of new or serviced item.
3.	Servicing Documents.	Sign for completing the relevant Section of the Servicing.

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### AIRFRAME TRADESMAN

Item No.	ITEM	OPERATION
1.	Cold air unit.	(i) If due for change, remove for Bay Servicing. (ii) Fit new or serviced item. (iii) If not due for change, examine for damage. (iv) Examine rubber connections for deterioration.
2.	(a) Pre-cooler. ) (b) Inter-cooler. ) (c) Ducting. )	(i) Examine for damage. (ii) Examine rubber connections for deterioration.
3.	Hydraulic system (engine bay) (a) Reservoir. ) (b) Pipelines. ) (c) Components. )	(i) Examine for leaks, damage and signs of burning. (ii) Examine supporting clips for correct packing and damage.
4.	(a) Engine access panels. ) (b) Fuselage access panels. ) (c) Rear fuselage. )	(i) Examine for damage. (ii) Clean with Type 'A' cleaning compound.

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|----|----------------------|--|
| 5. | Rear fuselage.       | Attach locking wire to all locking points at rear transport joint. |
| 6. | Servicing Documents. | Sign for completing the relevant Section of the Servicing.         |

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ENGINE CHANGE UNIT  
SECTION 2 — PREPARATION FOR INSTALLATION**

**VOLUME 5, PART 5**

ELECTRICAL N.C.O.

Item No.	ITEM	OPERATION
1.	Electrical cables (engine bay)	Supervise examination for damage, deterioration, contamination and correct cleating.
2.	Servicing Documents.	Sign for completing the relevant Section of the Servicing.

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## **SECTION 2 — PREPARATION FOR INSTALLATION**

### ELECTRICAL TRADESMAN

<u>Item No.</u>	<u>ITEM</u>	<u>OPERATION</u>
1.	Electrical cables. (engine bay)	(i) Examine for damage. (ii) Examine insulation for deterioration and contamination by fuel, oil or grease. (iii) Examine for correct cleating.
2.	High energy ignition units.	Examine for damage.
3.	Servicing Documents.	Sign for completing the relevant Section of the Servicing.

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### SECTION 2 — PREPARATION FOR INSTALLATION

#### ENGINE N.C.O.

Item No.	ITEM	OPERATION
1.	(a) Unserviceable E.C.U. (b) Replacement E.C.U.	Supervise transfer to engine stand. Supervise transfer to engine trolley.
2.	Liquid fuel starter (if fitted)	(i) Supervise removal, flushing out and priming. (ii) Supervise fitting to replacement E.C.U.
3.	Gear boxes and drives.	Check for life expiry and change if necessary.
4.	Front and rear engine mountings.	Inspect mounting trunnions, caps and bolts for damage.
5.	Intake seal.	Examine for damage.
6.	Replacement E.C.U.	(i) Ensure all blanks have been removed. (ii) Examine for damage. (iii) Supervise positioning of E.C.U. trolley.
7.	(a) Air intakes. ) (b) Centre fuselage. ) (c) Rear fuselage. )	Supervise the removal of all tools, rags and other materials immediately prior to the installation of the replacement E.C.U.

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8. Servicing Documents.

Sign for completing the relevant Section of the  
Servicing.

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### ENGINE TRADESMAN

Item No.	ITEM	OPERATION
1.	Engine bay:	Clean and examine for damage.
2.	Liquid fuel starter (if fitted)	
(a)	Exhaust pipe.	Loosen clamp and remove.
(b)	Fairing drain.	(i) Clean fairing and examine for damage. (ii) Check that drain is clear. If necessary use air pressure of 120 p.s.i. If any glutinous deposit is found, report to Engine N.C.O.
(c)	Free fuel.	Examine area forward of frame 27 for signs of free fuel.
(d)	Starter unit.	
	<u>N.B.</u> Operations (ii) and (iii) are applicable only if a <u>replacement starter is NOT being fitted.</u>	(i) Remove from unserviceable E.C.U. (ii) Drain gearbox, flush out using clean engine oil. Refit drain plug and wire lock. (iii) Clean.
	<u>N.B.</u> Operation (iv) is applicable only if a <u>replacement starter is being fitted.</u>	(iv) Drain preserving oil, refit drain plug and lock with wire. (v) Prime with 100 cc of engine oil. (vi) Fit to replacement E.C.U.

Item No.	ITEM	OPERATION
3.	Turbo-combustion starter (if fitted)	
	(a) Breech caps. )	(i) Ensure cap threads are clean, apply thin film of grease XG-285.
	(b) Cartridge extractor claws. )	(ii) Clean and dry the breech cap contacts.
	(c) Breech cap locking pawls. )	Examine for damage and correct operation.
4.	Turret drive arm, top mounting angle brackets (if applicable)	(i) Examine for tightness the bolts attaching angle brackets F.226691 and F.226692 to the mounting plate on the spigot at the top of the drive arm.  (ii) Where <u>any</u> loose bolts are found, remove ALL bolts and check the holes for wear.  (iii) Refit bolts, taking care to avoid overtightening. (S.I./HUNTER/56 refers).
5.	Accessories gearbox couplings.	(i) Clean off surplus grease. (ii) Lubricate, with grease, XG-275.
6.	(a) Accessories gear box. ) (b) Turret vertical arm. ) (if applicable) )	Replenish with oil to required Specification until oil flows from overflow pipe.
7.	Universal couplings.	Lubricate with grease, XG-271.

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Item No.	ITEM	OPERATION
8.	Auxiliary gearbox banjo plug and jet plug (if applicable)	(i) Remove from the drive tower. (ii) Clear jet using compressed air. (iii) Refit and wire lock. (S.I./HUNTER/14 refers).
9.	E.S.I. generator.	Examine for security of attachment.
10.	Replacement E.C.U.	Replenish sump as necessary with oil to required Specification.
11.	Fire extinguisher pipelines and spray pipes.	(i) Examine, as far as possible, for damage. (ii) Examine supporting clips for correct packing between clips and pipes. (iii) Examine support clips for damage. (iv) Clear, using compressed air, and ensure spray holes are free from obstruction.
12.	Fuel system pipelines.	
	(a) Fuel. )	(i) Examine for damage.
	(b) Tank pressurisation. )	(ii) Examine for correct packing and cleating.

Item No.	ITEM	OPERATION
12.	Fuel system pipelines (contd.)	
	(c) Twin gate valve.	Examine seals for damage and renew if necessary.
	(d) Non-return valves SPE 2191 (if fitted)	(i) Remove the three non-return valves S.P.E.2191 from the pipelines.  (ii) Test the valves as detailed in A.P.4737 Vol.1 and 6, Sect.3, Chap.4. (S.I./HUNTER/ 70 refers).  (iii) Fit new or serviced items.

N.B. Item 13 is applicable only to aircraft without Mod.1073 embodied.

13.	Cabin conditioning system.	
	Pipes	
	C 201553/11 )	(i) Examine for signs of corrosion of the tungum piping, indicated by dark brown discolouration of the lagging.
	C 201553/12 )	
	B 201552 (SINGLE SEAT A/C) )	
	A 216968 (TWO SEAT A/C) )	(ii) In the event of any corrosion, renew ALL pipes, and also the following pipes (S.I./HUNTER/76 refers). <u>SINGLE SEAT A/C</u> C 201553/5, C201553/7, C 201553/9 <u>TWO SEAT A/C</u> A 220316, A 216978, A 216971 <u>CAMERA HEATING (if applicable)</u> B 233539/5, B 233539/6, B 233539/12, A 241951

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Item No.	ITEM	OPERATION
14.	Replacement E.C.U.	Tape cables, hoses and pipes together to facilitate engine installation.
15.	(a) Air intakes. ) (b) Centre fuselage. ) (c) Rear fuselage. )	Remove all tools, rags and other Servicing materials immediately prior to the installation of the replacement E.C.U.
16.	Servicing Documents.	Sign for completing the relevant Section of the Servicing.

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INSTRUMENTS (GEN) N.C.O.

Item No.	ITEM	OPERATION
1.	Instrument leads and connections (as applicable)	Supervise examination for damage and deterioration.
2.	Servicing Documents.	Sign for completing the relevant Section of the Servicing.

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### INSTRUMENTS (GEN) TRADESMAN

Item No.	ITEM	OPERATION
1.	Exhaust gas thermometer leads (rear fuselage)	Examine for damage and deterioration.
2.	Servicing Documents.	Sign for completing the relevant Section of the Servicing.

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### RADAR/WIRELESS N.C.O.

<b>Item No.</b>	<b>ITEM</b>	<b>OPERATION</b>
1.	Plugs, connectors and terminal blocks. (as applicable).	Supervise examination for damage and cleanliness.
2.	Servicing Documents.	Sign for completing the relevant Section of the Servicing.

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### RADAR/WIRELESS TRADESMAN

<u>Item No.</u>	<u>ITEM</u>	<u>OPERATION</u>
1.	Rear fuselage.	
	(a) Rear transport joint plug. )	Examine for damage.
	(b) Connector cables. )	
	(c) Terminal blocks.	(i) Examine for damage.
		(ii) Examine terminals and terminations for cleanliness, fraying and tightness.
	(d) Cable identification.	Renew as necessary.
	(e) Telebriefing plug.	(i) Examine for damage.
		(ii) Examine pins for cleanliness and damage.
2.	Servicing Documents.	Sign for completing the relevant Section of the Servicing.

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