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HUNTER AIRCRAFT

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GROUND TEST INSTRUCTIONS

2nd EDITION

HAWKER SIDDELEY AVIATION LTD
KINGSTON UPON THAMES
ENGLAND

RESTRICTED

GROUND TEST INSTRUCTIONS

AMENDMENT RECORD CERTIFICATE

The incorporation of each Amendment to Ground Test Instructions is to be Certified by entering below the **Issue Number, Date** and **Signature of the Person responsible.**

Issue No.	INCORPORATED BY	DATE
1	Revised edition	October 1971
2	P.N. Rye	July 1972.
3	[illegible]	10/4/73.
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GROUND TEST INSTRUCTIONS

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(Contd.)

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GROUND TEST INSTRUCTIONS

NOTES TO USERS

1. These Instructions conform to the requirements detailed in AvP.25 (Technical Procedure Requirements for Service Aircraft) Part 1, Chapter 107 and have been included in the M.R.I. for the aircraft. For M.R.I. record purposes this Handbook is identified as Drawing Number 233160.

2. Tests are included for ALL MARKS of Hunter Aircraft, with Tests applicable to the Marks as detailed in Table 1 of these Notes.

3. The Handbook is divided into SECTIONS (by 'Systems' or 'Assemblies'), with Sections sub-divided into PARTS where further separation is necessary. The full LIST OF SECTIONS is given immediately following Table 1 of these Notes.

4. Sections and Parts are divided into PARAGRAPHS (in numerical sequence), each containing either a complete Test or a primary part of a Test, set out as follows:–

   Instructions or Requirements and/or
   Detailed Sequence of Operations.

   Each Section is preceded by the LIST OF CONTENTS detailing all Parts contained in the Section.

5. Amendments to Ground Test Instructions will normally be made by replacement sheets (or Sections) and the 'Issue Number' of the Handbook raised. The new Issue Number will be printed in the top corner (binding margin) of each new sheet, and a black vertical line will show where the script has been altered, except when a section is re-issued in a completely revised form when this black line will not appear. Urgent Amendments only will be made by manuscript entries, when the new Issue Number must be entered in the margin against the alteration.

   After an Amendment has been incorporated, the Issue Number, Date of Incorporation, and Signature of the Person responsible must be completed in the Amendment Record Certificate (at the front of the Handbook).

Attention is drawn to the WARNINGS in Section 1.

TABLE 1

INDEX OF INSTALLATIONS DEPARTMENT HUNTER GROUND TEST INSTRUCTIONS

WITH AIRCRAFT MARK APPLICABILITY

No.	Aircraft Mk.	Title	Latest
H.01/1	6, 9, 10, 12, 56, 57, 58, 58A, 66, 66B, 66C, 66D, 67, 69, 70, 71, 71A, 72, 73, 73A, 73B, 74, 74A, 76, 76A, 78, 74B, 75A, 66E, 68, 80, 81	Engine Test on Plessey LTSA 150 Liquid Fuel Starter System.	4
01/2	50	Test on Plessey LTSA 70 Liquid Fuel Starter System.	2
		Fuel System	
03/3	4, 7, 7A, 8, 8B, 8C, 11, 50, 51, 52, 53, 62, 75, 77, 79.	Fuel Flow and Pressure Test	7
~~03/4~~	~~6, 9, 10, 12, 56, 56A, 57, 58, 58A, 59, 59A, 59B, 66, 66B, 66C, 66D, 67, 69, 70, 71, 71A, 72, 73, 73A, 73B, 74, 74A, 76, 76A, 78, 74B, 75A, 66E.~~	Fuel Flow and Pressure Test	3
03/5	4, 7, 7A, 8, 11, 53, 62, 8B, 8C, 75, 77, 79	Fuel Flow and Pressure Test with Drop Tanks	9
03/7	6, 9, 10, 12, 56, 56A, 57, 58, 58A, 59, 59A, 59B, 66, 66B, 66C, 66D, 67, 69, 70, 71, 71A, 72, 73, 73A, 73B, 74, 74A, 76, 76A, 78, 74B, 75A, 66E, 68,80,81	Test of Pressure Switch TP.5253 and TP.1250	3
03/8	6, 9, 10, 12, 56, 56A, 57, 58, 58A, 59, 59A, 59B, 66, 66B, 66C, 66D, 67, 69, 70, 71, 71A, 72, 73, 73A, 73B, 74, 74A, 76, 76A, 78, 74B, 75A, 66E, 68,80,81	Test of Pressure Switch TP.5250	3
03/9	6, 9, 10, 12, 56, 56A, 57, 58, 58A, 59, 59A, 59B, 66, 66B, 66C, 66D, 67, 69, 70, 71, 71A, 72, 73, 73A, 73B, 74, 74A, 76, 76A, 78, 74B, 75A, 66E, 68,80,81	Test of Pressure Switch TP.5252 and TP.1200	4
03/10	4, 7, 7A, 8, 11, 50, 53, 62, 8B, 8C, 75, 77, 79.	Test of Pressure Switch TP.5266/1	2

No.	Aircraft Mk.	Title	Latest Issue
		Fuel System (Contd).	
H03/11	6, 9, 10, 12, 56, 56A, 57, 58, 58A, 59, 59A, 59B, 66, 66B, 66C, 66D, 67, 69, 70, 71, 71A, 72, 73A, 73B, 74, 74A, 76, 76A, 78, 74B, 75A, 66E, 68,80,81	Test of Double Float Switch to D.215808	1
03/13	6, 9, 10, 12, 56, 56A, 57, 58, 58A, 59, 59A, 59B, 66, 66B, 66C, 66D, 67, 69, 70, 71, 71A, 72, 73, 73A, 73B, 74, 74A, 76, 76A, 78, 74B, 75A, 66E, 68,80, 81	Fuel Flow and Pressure Test with Four Drop Tanks.	8
03/14	9, 10, 12, 57, 59, 66B, 67, 69.	Production on clearance test of 230 gallon drop tank. (Pre Mod. H.1242)	Draft only issued.
03/15	6, 9, 10, 56A, 57, 59, 59A, 59B, 66B, 66C, 67, 69, 70, 71, 71A, 72, 73, 73A, 73B, 74, 74A, 76, 76A, 78, 74B, 75A, 66E, 68, 80, 81	Fuel Flow & Pressure test of aircraft with 2 x 100 galls and 2 x 230 galls. drop tanks.	1
03/16	9, 59A, 59B, 66B, 66C, 67, 70, 71, 71A, 72, 73, 73A, 73B, 74, 74A, 76, 76A 78, 74B, 75A, 66E, 68, 80, 81	Production clearance test of 230 gall. drop tank. (Drop tank Post Mod. H.1242).	2
03/17	58A	Fuel flow and pressure test with or without 100 gallon drop tanks.	1
		Hydraulics	
07/1	4, 6, 7, 7A, 8, 8B, 8C, 9, 10, 11, 12, 50, 51, 52, 53, 56, 57, 58, 59, 62, 66, 67, 69, 56A, 58A, 59A, 59B, 66B, 66C, 66D, 70, 71, 71A, 72, 73, 73B, 74, 73A, 74A, 76, 76A, 78, 79, 74B, 75A, 66E, 68, 80, 81	Dunlop Hydraulic Accumulators AC.12810 and 14010	2
07/2	4, 6, 7, 7A, 8, 8B, 8C, 9, 10, 11, 12, 50, 51, 52, 53, 56, 56A, 57, 58, 58A, 59, 59A, 59B, 62, 66, 66B, 66C, 66D, 67, 69, 70, 71, 71A, 72, 73, 73A, 73B, 74, 74A, 76, 76A, 78, 79, 74B, 75A, 66E, 68, 80, 81	Dowty Hydraulic Accumulators D.4133Y Mk.E & F. D.7376Y, D.7513Y, C.8394Y, D.8691Y, 08394YA02, 08692YA03, 08692YA04, 08692YA05.	3
07/3	4, 6, 7, 7A, 8, 8B, 8C, 9, 10, 11, 12, 50, 51, 52, 53, 56, 56A, 57, 58, 58A, 59, 59A, 59B, 62, 66, 66B, 66C, 66D, 67, 69, 70, 71, 71A, 72, 73, 73A 73B, 74, 74A, 76, 76A, 78, 79, 74B, 75A, 66E, 68, 80, 81	Hydraulic Pressure Switch TP.5555	4
07/4	4, 6, 7, 7A, 8, 8B, 8C, 9, 10, 11, 12, 50, 51, 52, 53, 56, 56A, 57, 58, 58A, 59, 59A, 59B, 62, 66, 66B, 66C, 66D, 67, 69, 70, 71, 71A, 72, 73, 73A, 73B, 74, 74A, 76, 76A, 78, 79, 74B, 75A, 66E, 68, 80, 81	Hydraulic Pressure Switch TP.5300/2 and TP.1300	4

TABLE 1 (Contd).

No.	Aircraft Mk.	Title	Latest Issue
		Hydraulics (Contd).	
H07/5	6, 9, 10, 11, 12, 56A, 57, 59, 59A, 59B, 66B, 66C, 66D, 67, 69, 70, 71, 71A, 72, 73, 73A, 73B, 74, 74A, 76, 76A, 78, 74B, 75A, 66E, 68, 80, 81	Hydraulic Pressure Switch TP.5560 and TP.5566	2
		Electrics	
09/5	4, 6, 50, 51.	Tailplane Actuator, Rotax A.1603	3
09/6	4, 6, 7, 7A, 8, 8B, 8C, 9, 10, 11, 12, 50, 51, 52, 53, 56, 56A, 57, 58, 58A, 59, 59A, 59B, 62, 66, 66B, 66C, 66D, 67, 69, 70, 71, 71A, 72, 73, 73A, 73B, 74, 74A, 75, 76, 76A, 77, 78, 79, 74B, 75A, 66E, 68, 80, 81	Rudder or Aileron Trim Actuator, Rotax C.5021/2	1
09/8	4, 6, 7, 7A, 8, 8B, 8C, 9, 10, 11, 12, 53, 56, 57, 58, 58A, 59, 62, 66, 66B, 66C, 66D, 67, 69, 70, 71, 71A, 72, 73, 73A, 73B, 74, 74A, 75, 76, 76A, 77, 78, 79, 74B, 75A, 66E, 68, 80, 81	Datum Trim Actuator, Western Type EJ.25 Mk.1C, 1D & 1F.	2
09/9	6.	Time-Delay Switch, Teddington Controls FHM/A/24 (Pre Mod. H.625).	2
09/10	4, 6, 7, 7A, 8, 8B, 8C, 9, 10, 11, 12, 50, 51, 53, 56, 56A, 57, 58, 58A, 59, 59A, 59B, 62, 66, 66B, 66C, 66D, 67, 69, 70, 71, 71A, 72, 73, 73A, 73B, 74, 74A, 75, 76, 76A, 77, 78, 79, 74B, 75A, 66E, 68, 80, 81	Tailplane Actuator Rotax A.1607, A.1607/1 & A.1612.	2
09/11	6, 9, 10, 12, 56, 56A, 57, 58, 58A, 59, 59A, 59B, 66, 66B, 66C, 66D, 67, 69, 70, 71, 71A, 72, 73, 73A, 74, 74A, 76, 76A, 78, 74B, 75A, 66E, 73B. 68, 80, 81	Time Delay Switch, Teddington Controls, FHM/A/68 – (Engine start circuit) (Mod. H.625)	1
09/12	6, 9, 10, 11, 56, 57, 58, 59, 56A, 58A, 59B, 70, 71, 71A, 73, 73A, 73B, 74, 74A, 76, 76A, 78, 74B, 80	Inverter Changeover Circuits (Mod. 375)	1
09/13	4, 8, 50, 51, 53, 56, 62, 66.	Autostabiliser Mk.2 Installation.	2
09/14	7, 7A, 8, 8B, 8C, 12, 53, 62, 66, 66B, 66C, 66D, 67, 69, 72, 75, 77, 79, 75A, 66E, 68, 81	Inverter Changeover Circuit	1

TABLE 1 (Contd).

No.	Aircraft Mk.	Title	Latest Issue
		Electrics (Contd).	
H09/15	4, 8, 50, 51, 53, 56, 62, 66.	Monitor Unit, Type B, Stores Ref. 6S/40.	2
09/16	4, 6, 7, 8, 8B, 8C, 9, 11, 50, 51, 53, 56, 56A, 57 , 62, 66, 66D, 67, 66E.	Test for R.P. Distribution Box Stores Ref. 5D/1761 or 5D/2277.	2
		Radio and Radar	
10/1	4, 6, 9. 50, 51, 52, 56, 56A, 57, 58, 58A, 59, 59A, 70, 71, 73, 73A, 73B, 74, 74B, 80	Radar Cooling System to Drawings C.196025 & C.233391.	2
10/3	4, 6, 9, 50, 51, 52, 56, 56A, 57, 58, 58A, 59, 59A, 70, 71, 73, 73A, 73B, 74, 74B.	Non-Return Valve B.205318	1
		Gun Heating	
~~12/1~~	~~4, 6, 50, 51, 52, 56.~~	~~Gun Heating Valve B. 191700~~	3
~~12/2~~	~~4, 6, 50, 51, 52, 56.~~	~~Gun Heating and Ventilation System~~	2
		Hood/Canopy Installation	
18/1	4, 6, 9, 10, 11, 50, 51, 52, 56, 56A, 57, 58, 59, 59A, 59B, 70, 71, 71A, 73, 73A, 74, 74A, 76, 76A, 78, 74B, 73B, 80	Leak Test on Dry-Air-Sandwich Windscreen	2
18/2	7, 7A, 8, 8B, 8C, 12, 53, 62, 66, 66B, 66C, 66D, 67, 69, 72, 75, 77, 79, 75A, 66E. 68, 81	Hood Locking and Jettison Gear	7
		Cabin Conditioning	
105/2	4, 6, 9, 10, 11, 50, 51, 52, 56, 56A, 57, 58, 58A, 59, 59A, 59B, 70, 71, 71A, 73, 73A, 74, 74A, 76, 76A, 78, 74B, 73B, 80	Pressure Cabin and Air Conditioning System	11

TABLE 1 (Contd).

No.	Aircraft Mk.	Title	Latest Issue
		Cabin Conditioning (Contd).	
H.105/4	4, 6, 7, 7A, 8, 8B, 8C, 9, 10, 11, 12, 50, 51, 52, 53, 56, 56A, 57, 58, 58A, 59, 59A, 59B, 62, 66, 66B, 66C, 66D, 67, 69, 70, 71, 71A, 72, 73, 73A, 73B, 74, 74A, 75, 76, 76A, 78, 79, 74B, 75A, 66E, 68, 80, 81	Air Supply Valves B.184642, B.202060, B.220926, B.189398, and B.216337.	5
105/5	4, 6, 7, 7A, 8, 8B, 8C, 9, 10, 11, 12, 50, 51, 52, 53, 56, 56A, 57, 58, 58A, 59, 59A, 59B, 62, 66, 66B, 66C, 66D, 67, 69, 70, 71, 71A, 72, 73, 73A, 73B, 74, 74A, 75, 76, 76A, 77, 78, 79, 74B, 75A, 66E, 68, 80, 81	Temperature Control Valve B.184967 and B.211493.	6
105/6	4, 6, 9, 10, 11, 50, 51, 52, 56, 56A, 57, 58, 58A, 59, 59A, 59B, 70, 71 71A, 73, 73A, 74, 74A, 76, 76A, 78, 74B, 73B, 80	Non-Return Valve B.185327	3
105/7	4, 6, 7, 7A, 8, 8B, 8C, 9, 10, 11, 12, 50, 51, 52, 53, 56, 56A, 57, 58, 58A, 59, 59A, 59B, 62, 66, 66B, 66C, 66D, 67, 69, 70, 71, 71A, 72, 73, 73A, 74, 74A, 75, 76, 76A, 77, 78, 79, 74B, 75A, 66E, 68, 80, 81	Check of Pressure Loss Warning Light on Normalair Type A. Controller 509930.	4
105/11	4, 6, 9, 10, 11, 50, 51, 52, 56, 56A, 57, 58, 58A, 59, 59A, 59B, 70,71, 71A, 73, 73A, 73B, 74, 74A, 76, 76A, 78, 74B, 80	Flow Testing and Adjustment of Variable–Orifice Valve B.209845.	1
105/13	7, 7A, 8, 8B, 8C, 12, 53, 62, 66, 66B, 66C, 66D, 67, 69, 72, 75, 77, 79, 75A, 66E, 68, 81	Non-Return Valve B.211598 and B.213176	2
105/15	7, 7A, 8, 8B, 8C, 12, 53, 62, 66, 66B, 66C, 66D, 67, 69, 72, 75, 77, 79,75A, 66E. 68, 81	Pressure Cabin and Air Conditioning System Tests	3
		Powered Controls	
207/4	4, 6, 50, 51, 56, 58, 58A.	Full-Power Flying Controls and Electric Flying Tail.	12
207/5	4, 50, 51, 53, 56, 62, 66.	Setting of Hydrobooster Micro-Switches	4
207/6	53, 62, 66, 66B.	Two-Seater Full-Power Flying Controls and Electric Flying Tail.	4

TABLE 1 (Contd).

No.	Aircraft Mk.	Title	Latest Issue
		Powered Controls (Contd).	
H207/7	6.	Full-Power Flying Controls with Locked Release Units Electric Flying Tail.	8 |
207/8	7, 7A, 8, 8B, 8C.	Full-Power Flying Controls with Locked Release Units and Electric Flying Tail.	5
207/9	9, 11, 56A, 57, 59, 59A, 59B, 70, 71, 71A, 73, 73A, 73B, 74, 74A, 76, 76A, 78,74B, 80	Full-Power Flying Controls with Locked Release Units and Revised Range Electric Flying Tail.	7 |
207/10	10.	Full-Power Flying Controls with Locked Release Units, Revised Range Electric Flying Tail and Aileron Gearing in Power.	6 |
207/11	58, 58A.	Setting of Hydrobooster Micro-Switches	1
207/12	12, 66C, 66D, 66B, 67, 69, 72, 75A, 66E, 81	Two-Seater Full-Power Flying Controls with Locked Release Units and Revised Range Electric Flying Tail.	3 |
207/13	58A	Setting of Hydrobooster Release Unit Microswitches.	1
207/14	58A	Full-Power Flying controls and Electrically operated flying tail	1
207/15	T Mk.68	Power assisted flying controls (with by-pass boosters) and electrically operated flying tail	1

HUNTER AIRCRAFT

GROUND TEST INSTRUCTIONS

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