

Procurement Executive
Ministry of Defence
March, 1974

AP 101B-1302 & 3-15

HUNTER T Mk 7 & 7A
AIRCREW MANUAL

This 3rd Edition supersedes the 2nd Edition dated October 1962. All chapters have been revised; information covering Mods 1363 (arrester hook) and 1380 (anti-collision lights) has been included. The publication is unclassified. The 2nd Edition may be destroyed.

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3rd Edition
March 1974

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HUNTER T Mk 7 & 7A

AIRCREW MANUAL

BY COMMAND OF THE DEFENCE COUNCIL

L. T. Dunnett

Prepared by Procurement Executive
Ministry of Defence

AMENDMENT RECORD SHEET

To record the incorporation of an Amendment List in this publication, sign against the appropriate AL No and insert the date of incorporation.

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NOTES TO USERS

1 This Manual is complementary to AP 3456 Flying. The Flight Reference Cards (AP 101B-1302 & 3-14) are issued separately from the Manual and are subject to a separate amendment procedure, but they are complementary to this Manual and reference is to be made to them where necessary.

2 The Manual is divided by marker cards as follows:

Preliminaries	Part 4 — Emergency Procedures
Part 1 — Description and Management of Systems	Part 5 — Operating Data
Part 2 — Limitations	Part 6 — Illustrations
Part 3 — Handling	Annexe 1 — Hunter T Mk 7A

Each part is divided into chapters as listed on its marker card. Each sheet is identified by a Part, Chapter, Page reference at the foot of the page. Thus a page bearing 1 — 3 Page 5 is Page 5 of Part 1, Chapter 3.

3 The limitations quoted in Part 2 are mandatory and are not to be exceeded except in an emergency. The contents of the remainder of the publication are mainly advisory but instructions containing the word 'must' are also mandatory.

4 Amendment lists will be issued as necessary and each amendment list instruction sheet will state the main purpose of the amendment and will include a list of modifications and Special Flying Instructions covered. The list of effective pages will also be up-dated at each amendment. New or amended matter of importance will be indicated by triangles in the text thus: ◀.....▶ to show the extent of amended text and thus: ▶◀ to show where text has been deleted. The number of the amendment list by which a page was initially issued, or re-issued, will appear at the bottom of the odd-numbered pages and any triangles on either page forming a sheet will, therefore, refer to that amendment list. However, when a new chapter is issued with an amendment list, or an existing chapter is completely revised, this fact will be noted within the heading of the chapter and the triangles will not appear on each page.

5 The following conventions are observed throughout the Manual:

(a) Words in large capital letters in the text indicate the actual markings on the controls concerned.

(b) Unless otherwise stated, all airspeeds, mach numbers, accelerometer readings, temperatures and altitudes quoted are indicated values.

(c) WARNINGS are inserted only when the serious consequences of not following a certain procedure might otherwise be overlooked.

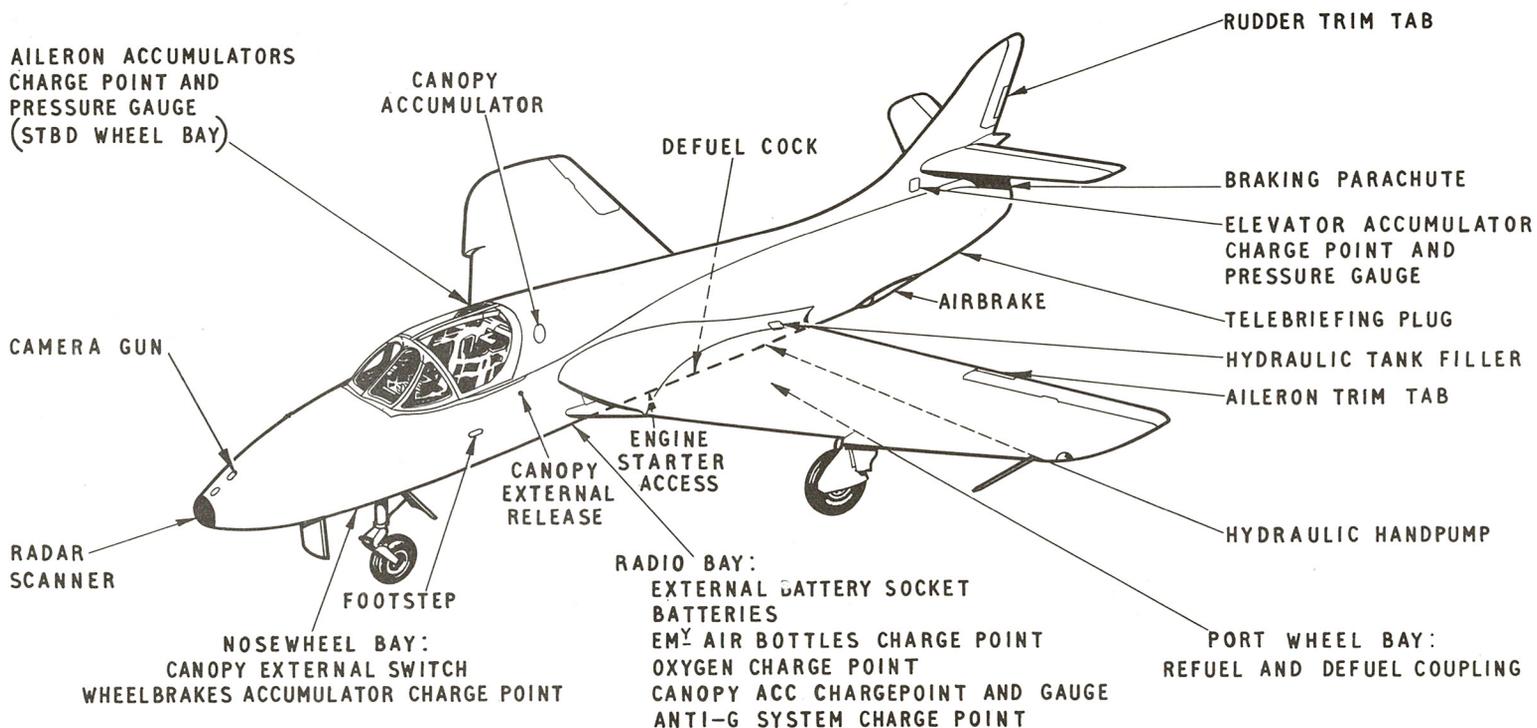
(d) Information needing emphasis is printed in italics.

(e) NOTES are inserted to clarify the reason for a procedure or to give information which, while not essential to the understanding of the subject, is useful to the reader.

6 Modification numbers are only referred to in the Manual when it is necessary to differentiate between the pre and the post mod states. For ease of reference a list of modification numbers mentioned in the text is included in the preliminary pages, with a cross-reference to the location in the text of the modification details.

7 This publication is unclassified.

8 Comments and suggestions should be forwarded to the Officer Commanding, Royal Air Force Handling Squadron, Boscombe Down, Salisbury SP4 0JF.



LIST OF ASSOCIATED AIR PUBLICATIONS

Aircraft servicing manuals:

Hunter T Mk 7	AP 101B-1302-1
Hunter T Mk 7A	AP 101B-1302-1A (airframe, power unit and mechanical systems)
			AP 101B-1302-1B (electrical, instrument and radio installations)

NOTE: A comprehensive list of associated publications is in the Notes to Readers of the above volumes.

MODIFICATION NUMBERS MENTIONED IN THE TEXT

<i>Mod No</i>	<i>Title</i>	<i>Location in Text of Mod details</i>		
		<i>Part</i>	<i>Chap</i>	<i>para</i>
895	Power controls, manual selection for servicing	1	5	11
995	Introduction of radio compass ...	1	9	6
1111	Introduction of brake parachute switch guard	1	6	9
1321	Introduction of Tacan in lieu of DME, ADF, radar ranging and Aden gun	1	9	7
1338	Introduction of delay in the camera/GGS caging circuit ...	1	10	2
1356	Introduction of IFF/SSR in aircraft with Tacan	1	9	8
1357	Introduction of IFF/SSR in aircraft without Tacan	1	9	8
1363	Introduction of arrester hook ...	1	6	10
1380	Introduction of anti-collision lights		Annexe 1	para 17
SRIM				
3130	Introduction of PTR 175	1	9	1

INTRODUCTION

1 The Hunter T Mk 7 is a two-seat, mid-wing trainer aircraft with swept-back wings and a swept-back electrically-operated follow-up tailplane. Full-power ailerons and elevator are fitted, both with Manual reversion facilities.

2 The power unit is an Avon Mk 122 engine, developing 7575 lb static thrust at sea level. The engine incorporates a system of fuel and air dipping which is automatic when the gunfiring button is pressed to ensure surge-free gun firing at high altitude. Automatic control of maximum JPT is also embodied.

3 Internal fuel is carried in the wings and fuselage. Additional fuel may be carried in either two or four 100 gallon drop tanks on underwing pylons.

4 Electrical power is derived from two DC generators. Main and emergency batteries are fitted.

5 A single Aden 30 mm gun is carried semi-buried beneath the fuselage undersurface on the front starboard side. Bombs, two-inch rocket launchers and 68 mm rocket launchers, may be carried on the underwing pylons.

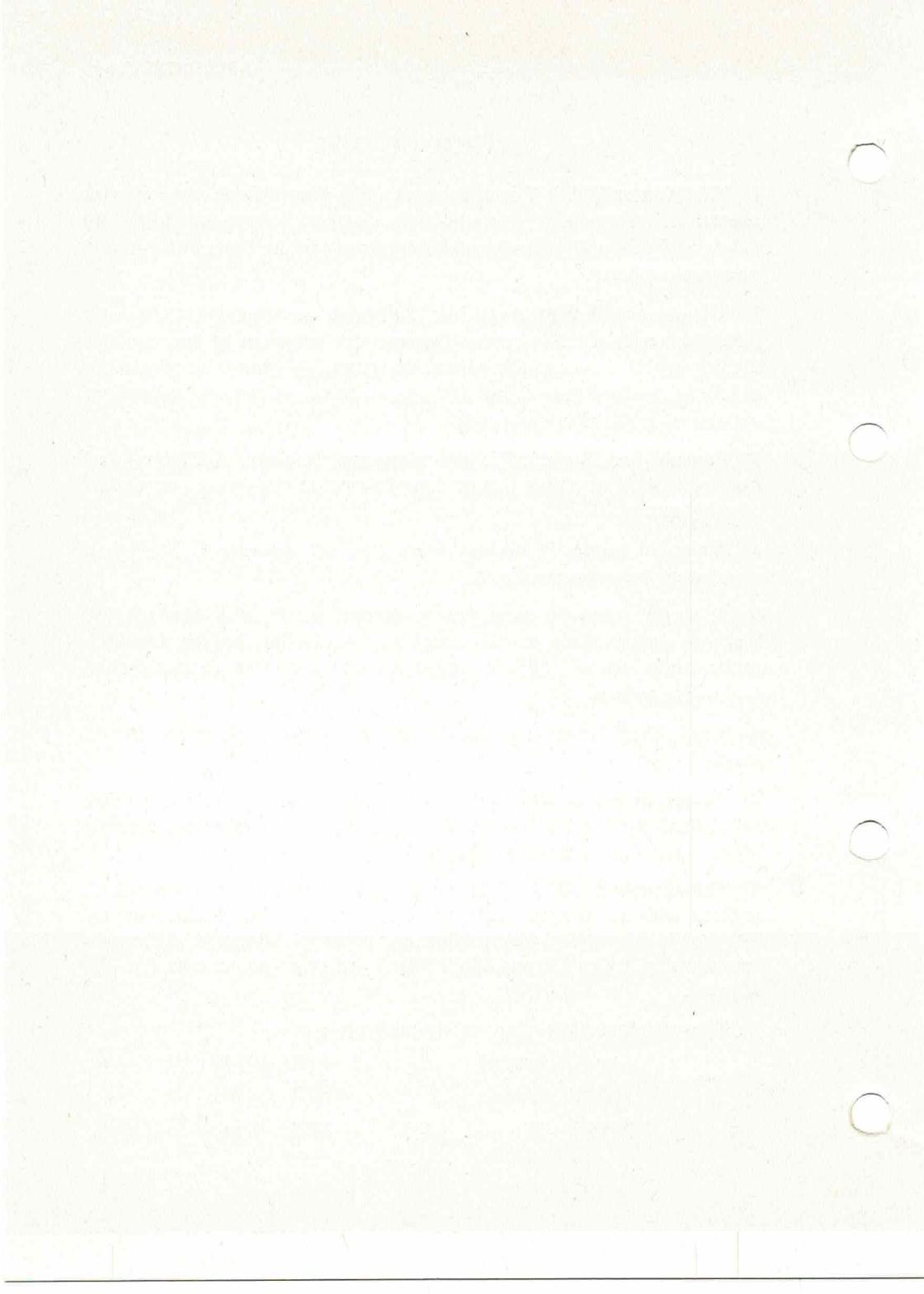
6 The cockpit is pressurised and is fitted with two type 4 HA ejection seats.

7 Access to the cockpit is normally gained via two special ladders supplied as ground equipment. An emergency footstep is in each side of the fuselage, below the cockpit.

8 The Hunter T Mk 7A is a variant of the basic T Mk 7 aircraft. It is fitted with an Integrated Flight Instrument System, Tacan and ILS. The Aden gun and radar ranging are removed. Detailed differences between the T Mk 7A and the T Mk 7 are given at Annexe 1 to the Manual.

9 The principal dimensions of the aircraft are:

Length, overall	48 ft	10½ in
Height, overall	13 ft	4 in
Span	33 ft	8 in



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