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AIR PUBLICATION

**101B-1900-6A**

(Formerly A.P.4505, Vol.6)

**VULCAN AIRCRAFT  
STRUCTURAL REPAIR MANUAL**

BY COMMAND OF THE DEFENCE COUNCIL

*L. T. Dunnett*

Ministry of Defence

FOR USE IN THE ROYAL AIR FORCE

(Prepared by the Ministry of Aviation)

*Issued with A.L.47, Nov.66*

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*P. Pinner*

AMENDMENT RECORD SHEET

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

A.L.No.	AMENDED BY	DATE
1	C. Denton	14/1/59
2	C. Denton	14/1/59
3	C. Denton	14/1/59
4	C. Denton	14/1/59
5	C. Denton	14/1/59
6	C. Denton	14/1/59
7	C. Denton	14/1/59
8	C. Denton	14/1/59
9	C. Denton	14/1/59
10	C. Denton	14/1/59
11	C. Denton	14/1/59
12	C. Denton	13/2/59
13	C. Denton	14/1/59
14	C. Denton	13/2/59
15	C. Denton	17/2/59
16	C. Denton	14/5/59
17	C. Denton	14/5/59
18	C. Denton	14/5/59
19	C. Denton	14/5/59
20	C. Denton	15/10/59
21	C. Denton	10/8/59
22	C. Denton	17/10/59
23	C. Denton	18/2/60
24	C. Denton	14/4/60

A.L.No.	AMENDED BY	DATE
25	C. Denton	13/6/60
26	C. Denton	13/1/61
27	C. Denton	20/4/61
28	C. Denton	6/6/61
29	C. Denton	19/10/61
30	C. Denton	19/10/61
31	C. Denton	19/2/62
32	C. Denton	9/7/62
33	C. Denton	10/2/63
34	C. Denton	1/7/63
35	C. Denton	9/9/63
36	C. Denton	22/11/63
37	C. Denton	24/1/64
38	C. Denton	28/4/64
39	C. Denton	9/7/64
40	V. Lord	19/2/64
41	V. Lord	19/11/64
42	V. Lord	27/5/65
43	V. Lord	27/5/65
44	V. Lord	27/5/65
45		
46	M. Sattler	26/2/66
47	E. Kuffell	15.8.67
48	E. Kuffell	4.9.67

A.L.No.	AMENDED BY	DATE
49	E. Kuffell	4.9.67
50	S. Falloy	24-11-67
51	S. Falloy	9-2-68
52	S. Falloy	17-4-68
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(Continued overleaf)

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April, 1957

A.P.4505, Vol.6

VULCAN AIRCRAFT - REPAIR AND RECONDITIONING INSTRUCTIONS

ADVANCE INFORMATION LEAFLETS

This marker card is to be inserted immediately in front of the Amendment Record Sheet at the beginning of the book. Advance Information Leaflets are to be inserted, as received, in numerical order following this card.

The information contained in Advance Information Leaflets will be incorporated by normal amendment list action in due course. In the meantime, appropriate action is to be taken in accordance with any instruction contained therein.

If, after the receipt of a leaflet, an Amendment List with a prior date and conflicting information is received, the information in the leaflet is to take precedence.

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## WARNING

### EJECTION SEAT

1. An ejection seat is a potential danger to personnel and aircraft. If the firing mechanism is inadvertently operated while the aircraft is on the ground the seat will be ejected, serious injury (possibly fatal) may be caused to any person in or leaning into the cabin and damage will be done to the aircraft.
2. The following instruction must therefore be obeyed implicitly:—  
**BEFORE ATTEMPTING TO ENTER THE CABIN REPORT TO THE N.C.O. IMMEDIATELY IN CHARGE OF AIRCRAFT SERVICING, WHO WILL ENSURE THAT THE SEAT IS SAFE FOR THE PURPOSE REQUIRED.**
3. Full instructions for rendering the seat safe are contained in the A.P.4288 series, in A.D.5037, and in the A.D.6038 series.
4. In Vulcan aircraft the following precautions must have been observed before servicing personnel enter the cockpit:—
  - (1) The safety pins have been fitted in the ejection gun sears.
  - (2) The safety straps are in position over the firing handles of the seats.
  - (3) The second safety pin attached to the safety pin disc is in the hole of the time delay unit on each seat.
  - (4) The safety pin is in the jettison gun sear.

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LETHAL  
WARNING

## NOTE TO READERS

◀ The subject matter of this publication may be affected by Defence Council Instructions, or by Servicing Schedules, or Orders and Modification leaflets in this A.P., in the associated publications listed below, or even in some others. If possible, Amendment Lists are issued to correct this publication accordingly, but it is not always possible to do so. When an Instruction, Servicing Schedule or leaflet contradicts any portion of this publication, the Instruction, Servicing Schedule or leaflet is to be taken as the overriding authority. ▶

The inclusion of reference to items of equipment does not constitute authority for demanding the items.

Each leaf, except the original issue of preliminaries, bears the date of issue and the number of the Amendment list with which it is issued. New or amended technical matter on new leaves which are inserted when the publication is amended will be indicated by triangles positioned in the text thus: ◀ - - - ▶ to show the extent of the amended text, and thus: ▶▶ to show where text has been deleted.

When a Part, or Chapter is issued in a completely revised form, the triangles will not appear.

◀ The reference number of this publication was altered from A.P.4505, Vol.6, to A.P.101B-1900-6A, in November, 1966. A general revision of page captions has not been undertaken, but the new code number appears in place of the earlier A.P. reference on new or amended leaves issued subsequent to November, 1966. ▶

## LIST OF ASSOCIATED PUBLICATIONS

	A.P.
R.A.F. general engineering ... ..	1464B
R.A.F. engineering, aircraft ... ..	1464D
Standard Repairs for Airframes ... ..	2662A 2662B
Aircraft tanks... ..	4117A
Aircraft wheels, tyres and brakes	2337
Electro-plating and corrosion resisting processes ... ..	880B
Welding, brazing and soldering principles and practice... ..	880A
External and internal finish of aircraft ... ..	2656A

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## LIST OF PARTS

Part 1	... ..	Minor airframe repairs
Part 2	... ..	Major airframe repairs
Part 3	... ..	Permissible wear
App.1 to Part 1		Minor airframe repairs

## APPLICABILITY OF REPAIRS

*The instructions for repair issued in this A.P., Parts 1, 2, 3 and App.1 to Part 1 are approved for application to:-*

**Vulcan aircraft .**

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