

RESTRICTED

AIR PUBLICATION

4505

VOLUME 6

VULCAN AIRCRAFT

REPAIR AND RECONDITIONING INSTRUCTIONS

Prepared by direction of
the Minister of Supply

R. Murphy

Promulgated by Order
of the Air Council

H. J. Lean

AIR MINISTRY

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	INCORPORATED BY A.P.F.S.	SEP 1957
2	INCORPORATED BY A.P.F.S.	FEB 1958
3	INCORPORATED BY A.P.F.S.	MAR 1958
4	INCORPORATED BY A.P.F.S.	FEB 1957
5	INCORPORATED BY A.P.F.S.	APR 1958
6	INCORPORATED BY A.P.F.S.	MAY 1958
7	INCORPORATED BY A.P.F.S.	JUN 1958
8	INCORPORATED BY A.P.F.S.	AUG 1958
9	INCORPORATED BY A.P.F.S.	OCT 1958
10	INCORPORATED BY A.P.F.S.	JUN 1958
11	INCORPORATED BY A.P.F.S.	SEP 1958
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18	INCORPORATED BY A.P.F.S.	APR 1959
19	INCORPORATED BY A.P.F.S.	APR 1959
20	INCORPORATED BY A.P.F.S.	SEP 1959
21	INCORPORATED BY A.P.F.S.	JUN 1959
22	INCORPORATED BY A.P.F.S.	SEP 1959
23	INCORPORATED BY A.P.F.S.	
24	INCORPORATED BY A.P.F.S.	

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(Continued overleaf)

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

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The inclusion of references 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.

LIST OF ASSOCIATED PUBLICATIONS

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

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LIST OF PARTS

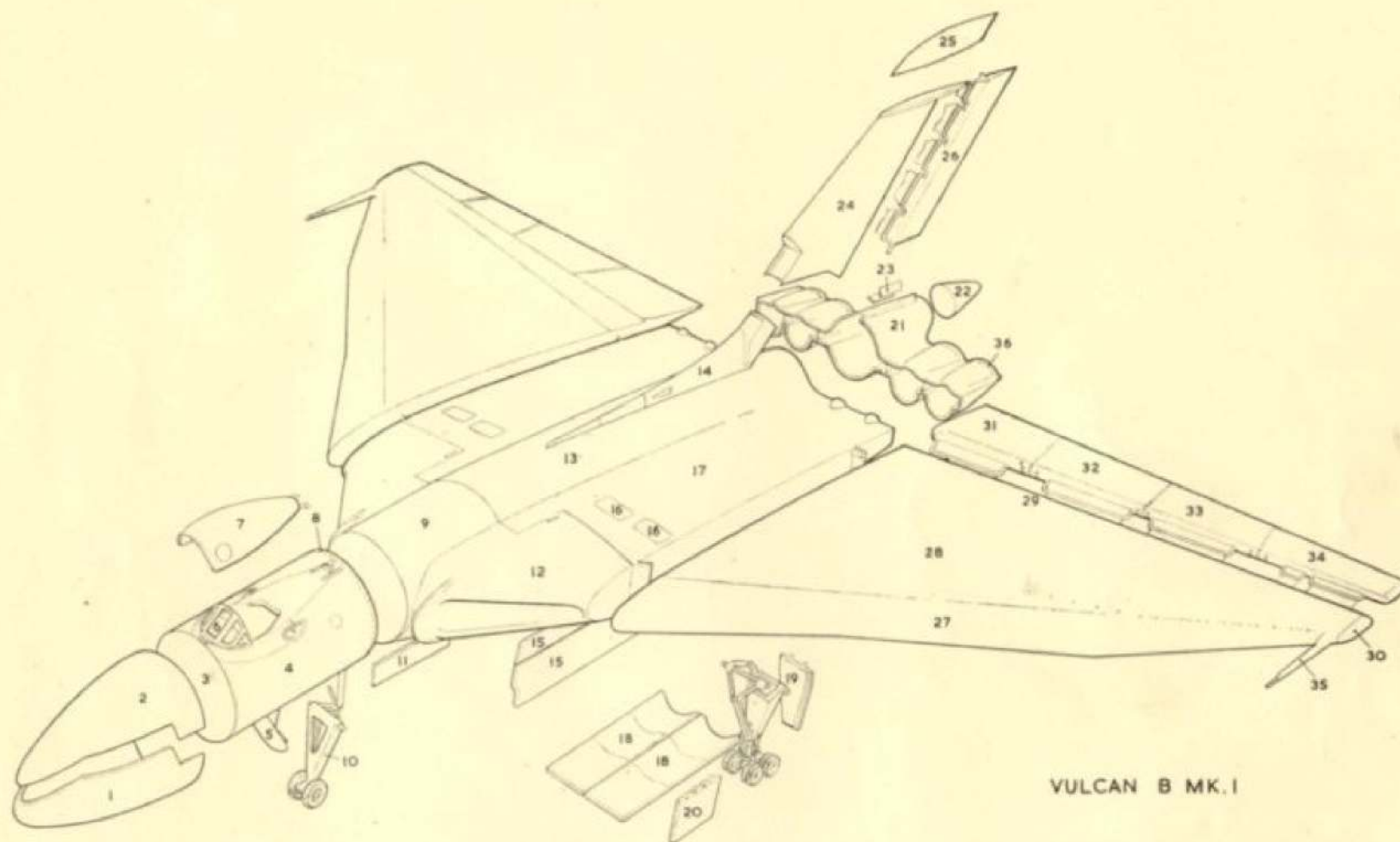
Part 1	Minor airframe repairs
Part 2	Major airframe repairs
Part 3	Permissible wear

APPLICABILITY OF REPAIRS

The instruction for repair issued in this Vol.6, Parts 1, 2 and 3 are approved for application to:-

Vuican B.Mk.1 (and associated role) aircraft.

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VULCAN B MK.1

- 1 NOSE RADOME
- 2 METAL NOSE STRUCTURE
- 3 FRONT PRESSURE BULKHEAD
- 4 FRONT FUSELAGE
- 5 ENTRANCE DOOR
- 6 WINDSCREEN
- 7 CANOPY
- 8 REAR PRESSURE BULKHEAD
- 9 No. 1 TANK BAY
- 10 NOSE WHEEL UNIT
- 11 NOSE WHEEL DOORS
- 12 AIR INTAKE

- 13 BOMB BAY
- 14 DORSAL FIN
- 15 BOMB DOORS
- 16 AIR BRAKES
- 17 ENGINE BAYS
- 18 ENGINE DOORS
- 19 MAIN WHEEL UNIT FIXED FAIRING
- 20 MAIN WHEEL DOOR
- 21 REAR FUSELAGE
- 22 TAIL RADOME
- 23 BRAKE PARACHUTE COMPARTMENT DOORS
- 24 FIN

- 25 FIN-CAP
- 26 RUDDER
- 27 MAINPLANE LEADING EDGE
- 28 MAINPLANE
- 29 MAINPLANE TRAILING EDGE
- 30 WING TIP
- 31 INNER ELEVATOR
- 32 OUTER ELEVATOR
- 33 INNER AILERON
- 34 OUTER AILERON
- 35 PRESSURE HEAD
- 36 JET PIPE CAP

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VULCAN AIRCRAFT - REPAIR AND RECONDITIONING INSTRUCTIONS

ADVANCE INFORMATION LEAFLETS

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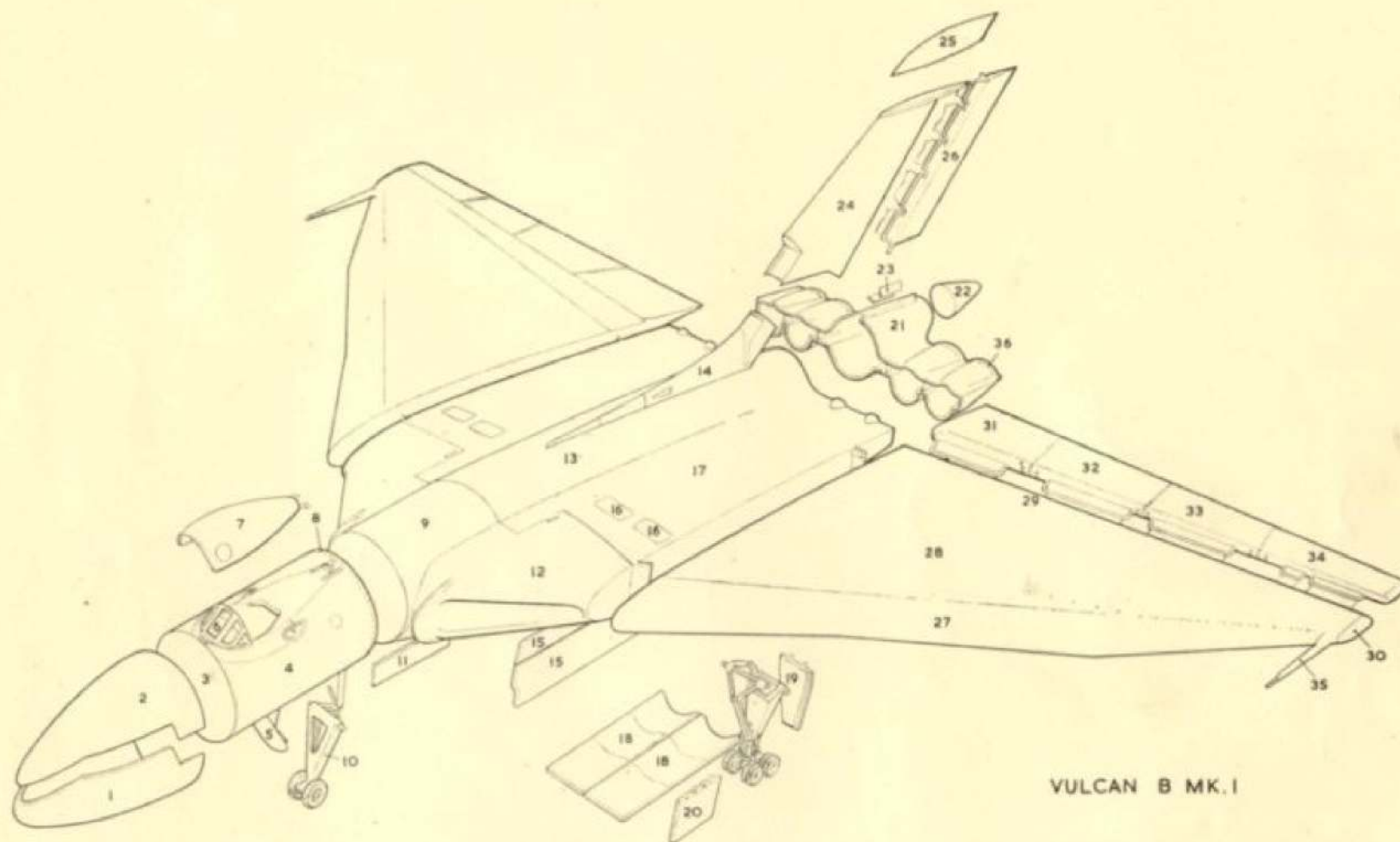
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