

Chapter 4
GENERAL SERVICING

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KEY TO FIG.1 (ACCESS PANELS)

1. RADOME, H2S SCANNER
2. RADOME, HOIST ATTACHMENTS
3. H2S/NBS PNEUMATIC SYSTEM CHARGING
4. EMERGENCY EQUIPMENT AND DESTRUCTOR STOWAGE
5. GROUND COOLING CONNECTION, RADAR
6. NOSE WHEEL DOORS
7. NOSE WHEEL UNIT PIVOTS
8. AERIAL, RADIO ALTIMETER, HIGH RANGE
9. GROUND CONDITIONING CONNECTION, VENTILATED SUIT SYSTEM
10. ENGINE THROTTLE AND R.A.T. CONTROLS
11. GROUND SERVICING COCK, NO.1 TANK
12. AERIAL, RADIO ALTIMETER, LOW RANGE
13. RAM AIR TURBINE PLATFORM AND GROUND RELEASE
14. ANTI-ICING INJECTOR
15. DEFUELLING COCKS
16. ANTI-ICING EXTRACTION DOOR
17. ANTI-ICING
18. ANTI-ICING
19. ENGINE ACCESS DOOR, FORWARD INBOARD
20. FRONT SPAR SHACKLE BOLTS
21. ENGINE ACCESS DOOR, FORWARD OUTBOARD
22. ENGINE ACCESS DOOR, CENTRE INBOARD
23. MAIN WHEEL DOORS
24. ENGINE ACCESS DOOR, CENTRE OUTBOARD
25. COCKS, GROUND SERVICING, NO.4, 5 AND 7 FUEL TANKS
26. HYDRAULIC TEST (PORT) HYDRAULIC CHARGING (STARBOARD)
27. COCKS, GROUND SERVICING, NO.3 AND 6 FUEL TANKS
28. FUEL LEVEL SWITCH AND SECONDARY PUMP, NO.3 TANK
29. REFUELLING CONNECTIONS (PORT AND STARBOARD)
30. FUEL PIPE CONNECTIONS
31. MAIN WHEEL UNIT PIVOTS
32. FUEL LEVEL SWITCH AND SECONDARY PUMP, NO.4 TANK
33. FUEL PIPE CONNECTIONS (PORT AND STARBOARD)
34. SUMP, NO.3 FUEL TANK
35. FUEL PIPE CONNECTIONS
36. FUEL LEVEL SWITCH AND SECONDARY PUMP, NO.5 TANK
37. SUMP, NO.4 FUEL TANK
38. ELECTRICAL COMPONENTS
39. ELECTRICAL, EXPLOSION PROTECTION
40. SUMP, NO.6 FUEL TANK
41. FUEL PIPE CONNECTIONS
42. SUMP, NO.5 FUEL TANK
43. FUEL PIPES
44. SUMP, NO.7 FUEL TANK
45. LANDING LIGHT
46. FLYING CONTROL RODS
47. OUTBOARD ELEVON POWER UNITS
48. FLYING CONTROL RODS
49. ELECTRICAL COMPONENTS
50. WING TIP ATTACHMENT, FRONT SPAR
51. NAVIGATION LAMP CONNECTIONS
52. AERIAL, A.R.I.18075
53. AERIAL CONNECTIONS
54. AERIAL MOUNTING
55. WING TIP ATTACHMENT, REAR SPAR
56. ELECTRICAL COMPONENTS
57. OUTBOARD ELEVON POWER UNITS
58. FLYING CONTROL RODS
59. FLYING CONTROL RODS
60. ELEVON HINGE ASSEMBLY
61. FLYING CONTROL RODS
62. ELECTRICAL, EXPLOSION PROTECTION
63. ELECTRICAL COMPONENTS
64. VENT VALVE, FUEL TANK PRESSURISATION
65. P.F.C. UNIT COOLING
66. FUEL LEVEL SWITCH AND SECONDARY PUMP, NO.6 TANK
67. WINDOW LAUNCHING EQUIPMENT
68. GROUND ELECTRICAL SUPPLY PLUG, 200V A.C.
69. PNEUMATIC CHARGING - ENGINE RAPID START SYSTEM
70. FLYING CONTROLS
71. NITROGEN CHARGING POINT
72. NAVIGATION LIGHT
73. SCANNER COOLING
74. AIRBORNE EQUIPMENT, FRONT, CENTRE AND REAR DOORS
75. GROUND CONDITIONING CONNECTION
76. RUDDER POWER UNITS
77. NITROGEN CHARGING POINT
78. JET PIPE ATTACHMENT
79. JET PIPE THERMOCOUPLES
80. DOWNWARD IDENTIFICATION LAMP
81. JET PIPE ADJUSTMENT
82. BOMB BAY CONVERSION FAIRINGS
83. A.R.I. 5851
84. FLYING CONTROL RODS
85. FLYING CONTROLS
86. FLYING CONTROLS
87. BOMB CONDITIONING OUTLET LOUVRE
88. ENGINE ACCESS, REAR DOORS
89. POWER CONTROL UNITS, INBOARD ELEVONS
90. FUEL LEVEL SWITCH AND SECONDARY PUMP, NO.7 TANK
91. ELECTRICAL COMPONENTS
92. WINDOW LAUNCHING AND A.A.P.P. FUEL TANK
93. A.A.P.P. OXYGEN CHARGING AND SUMP TEMPERATURE GAUGE
94. AUXILIARY AIRBORNE POWER PLANT
95. A.A.P.P. OIL FILLER AND STARTER CARTRIDGES
96. ENGINE START, GROUND CONNECTION
97. BOMB HEATING, GROUND CONNECTION
98. BOMB BAY
99. SERVICING DOORS
100. SUMP, NO.1 AND 2 FUEL TANKS
101. COCK, GROUND SERVICING, NO.1 FUEL TANK
102. HYDRAULIC SYSTEM
103. AERIAL
104. AIR MILEAGE UNIT
105. BOMB BAY CONVERSION FAIRING
106. ELEVON HINGE ASSEMBLY
107. ELECTRICAL COMPONENTS
108. JET PIPE ADJUSTMENT
109. FREON CONDENSER
110. NAVIGATION LIGHT
111. BRAKE PARACHUTE
112. AERIALS U.H.F. AND GEE
113. GROUND INTERCOMMUNICATION CONNECTION
114. ELEVON HINGE ASSEMBLY
115. FRONT SPAR SHACKLE BOLTS
116. AERIAL DISHPAN
117. DE-ICING TANK
118. NITROGEN REPLENISHING, (FLIGHT REFUELLING)
119. EMERGENCY EQUIPMENT STOWAGE
120. CABIN CONDITIONING, GROUND CONNECTION
121. GROUND ELECTRICAL SUPPLY PLUGS, 28V D.C.
122. EMERGENCY DEFUELLING
123. FRONT SPAR SHACKLE BOLTS
124. DETECTOR UNIT M.F.S.
125. REAR SPAR INSPECTION

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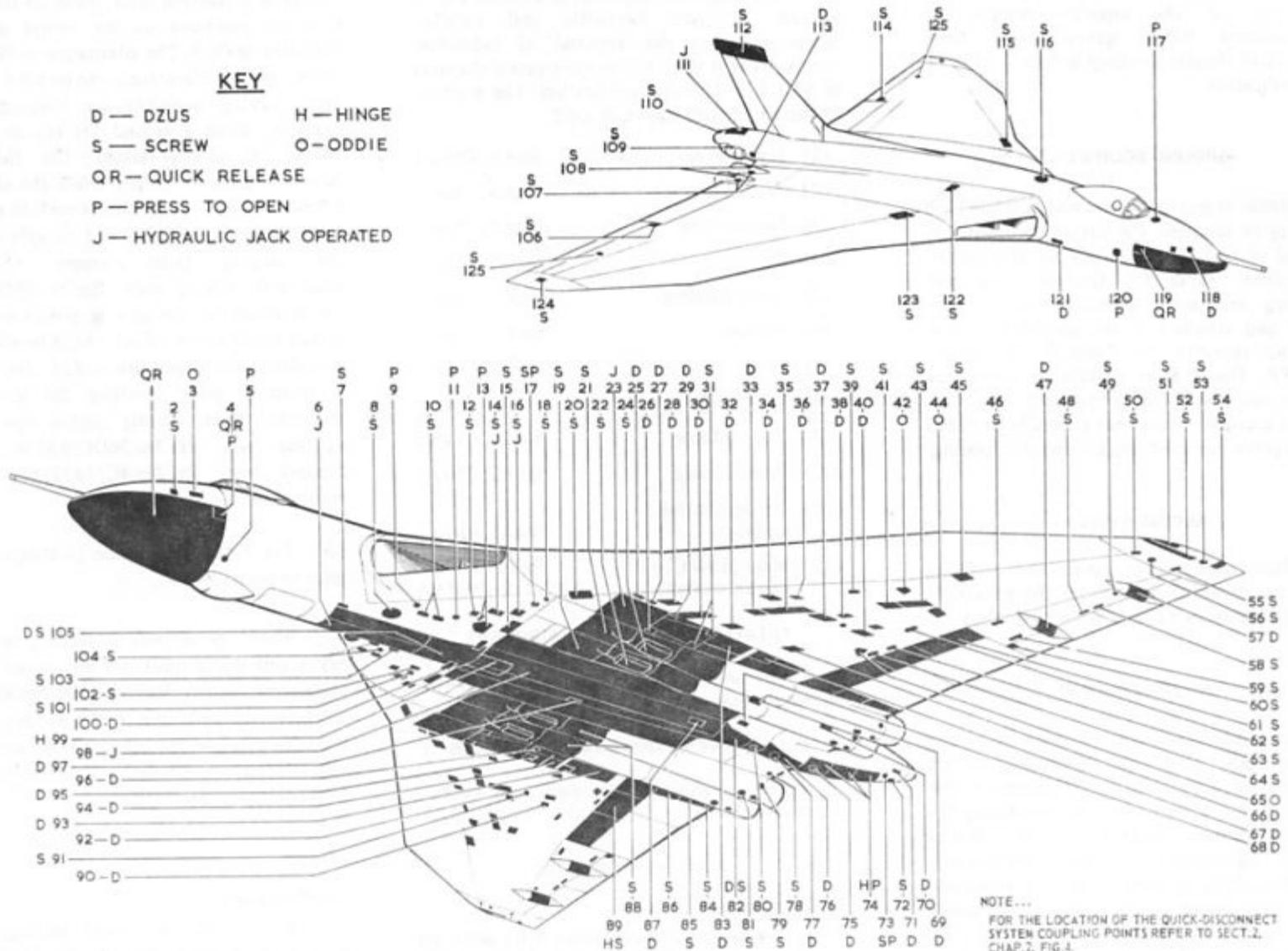


Fig. 1 Access panels
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Introduction

1. This chapter contains information on the general servicing of the complete aircraft, servicing of the separate systems or components being given under their appropriate chapter headings in Sect.3, or 4, of this publication.

GROUND EQUIPMENT

2. Items of ground equipment, provided for handling or servicing the aircraft, are listed at the end of this chapter. They are arranged in two tables: Table 1 - Ground equipment (handling and servicing equipment of both special and standard design provided for use with this aircraft), and Table 2 - the Flight Tool Kit. These tables contain no items that are normally included in relevant Appendix 'A', nor standard equipment normally provided for purposes not confined to aircraft servicing.

ACCESS PANELS

3. Removable access panels and servicing doors are provided throughout the structure: the position of such panels is shown in fig.1.

DRAINAGE HOLES

4. Drainage holes and moisture collecting systems with outlet pipes to atmosphere are provided at various points throughout the aircraft. Drain outlets and where necessary the channels leading to them must be kept clear at all times. To minimise corrosion in the pressure cabin Mod.2202 introduces paraffin wicks and water drain valves to drain the bomb aimer's blister and keel structure aft of the crew entrance door. Methods of draining various components and location of outlet points is shown in fig.8.

ORDER OF DISMANTLING

5. The suggested sequence of dismantling an aircraft is given herewith, and detailed information on the removal of individual components is given in the appropriate chapters in Sect.3 or 4 of this publication. The sections of the aircraft are shown in fig.2.

- | | |
|---------------------------------------|---------------------------|
| (1) Jet pipes and engines | Sect.4, Chap.1 |
| (2) Alighting gear | Sect.3, Chap.5 |
| (3) Nose section | Sect.3, Chap.1 |
| (4) Canopy | Sect.3, Chap.1 |
| (5) Front fuselage | Sect.3, Chap.1 |
| (6) Rudder | Sect.3, Chap.3 |
| (7) Fin | Sect.3, Chap.3 |
| (8) Tail fairing | Sect.3, Chap.1 |
| (9) Rear radome | Sect.6, Chap.2 |
| (10) Rear fuselage | Sect.3, Chap.1 |
| (11) Flying control surfaces | Sect.3, Chap.2 |
| (12) Main plane (from centre section) | Refer to A.P.101B-1900-6A |

TRESTLING SECTIONS OF AIRCRAFT

6. The sections of aircraft are trestled as shown in fig.4.

COMPONENT WEIGHTS AND DIMENSIONS

7. The weight and dimensions of various components are given in the key to fig.3.

JACKING PROCEDURE

WARNING . . .

It is of vital importance, when four jacks are being used, that they are raised evenly and simultaneously, otherwise serious damage may result to the structure.

General

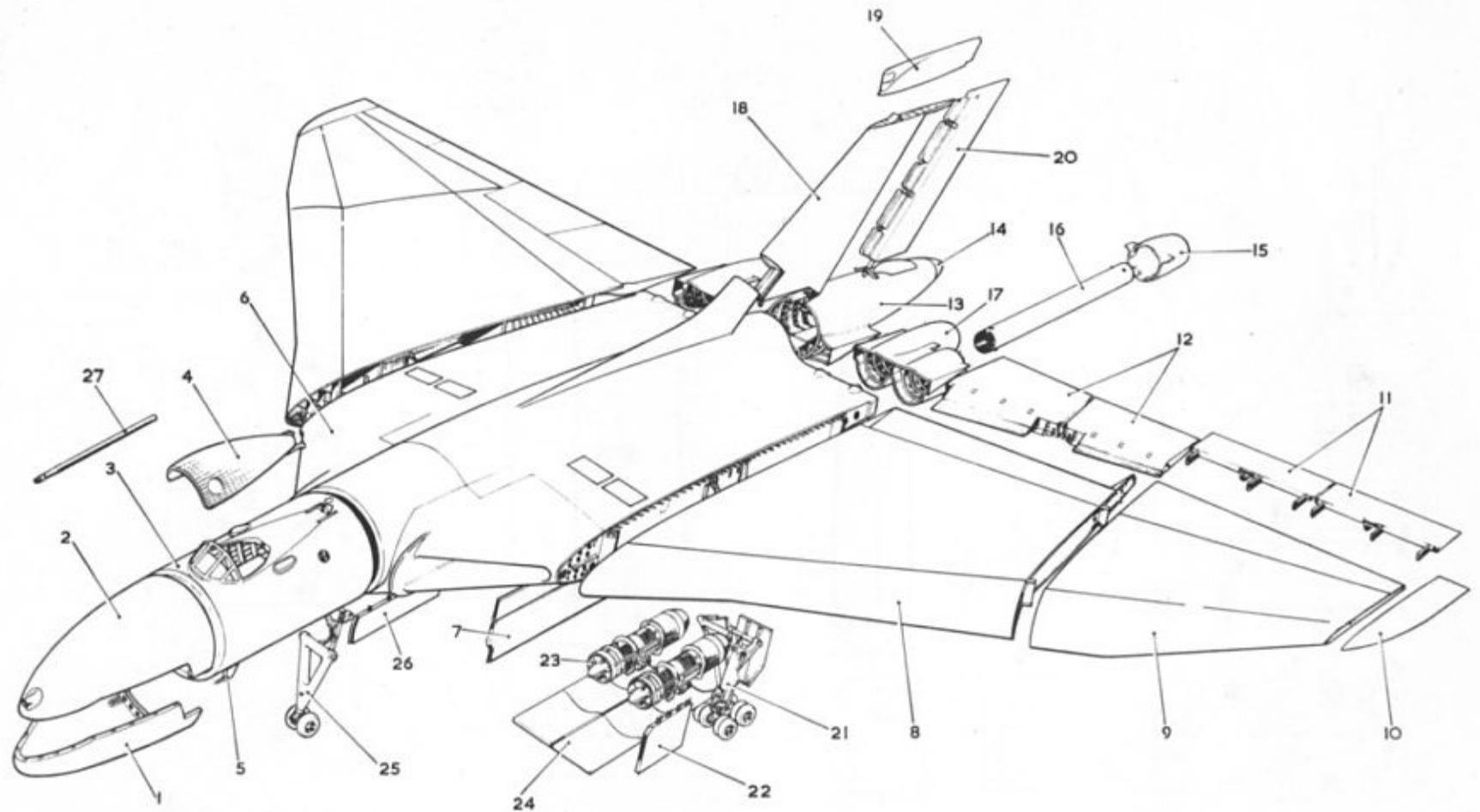
8. The complete aircraft is jacked for rigging checks or retraction tests, using 25-ton jacks at the four positions on the centre section as indicated in fig.5. The alternative jacking points shown on this illustration can be used when the main jacking positions are inaccessible, for example, when a second lift has to be made during salvage operations; the fuel tanks, however, must be empty when the alternative points are used. At the centre-section positions, screwed panels are removed to gain access to the jacking point beams. Cup-shaped removable jacking pads, Ref.No.26DC/95063 are attached to the jacking points by captive screws in the centre of the pad. A levelling plate, complete with plumb line Ref.No.26DC/95028 is required when levelling the aircraft for retraction tests. During rigging operations a sighting rod Ref.No.26DC/95036, and a dummy level Ref.No.4G/4421168 are also required.

8A. For limitations when jacking outdoors, refer to para.13A.

9. When the aircraft is jacked, the engine bay access doors must not be opened unless a supporting former Ref.No.26DC/95005 and a universal jacking trestle No.18 Ref.No.4G/- are positioned below the aircraft nose section and jury struts are positioned in the main-wheel bay as illustrated in Sect.2, Chap.1.

Levelling plate

10. As an aid to correct jacking of the aircraft, a levelling plate Ref.No.26DC/95028 and a plumb line are provided. The tool consists of a flat plate with captive screws at



1 NOSE RADOME
2 NOSE FAIRING
3 FRONT FUSELAGE
4 CANOPY
5 PITOT HEADS
6 CENTRE SECTION FUSELAGE
7 BOMB BAY DOORS
8 INNER WING

SECT.3 CHAP.1
SECT.3 CHAP.1
SECT.3 CHAP.1
SECT.3 CHAP.1
SECT.7 CHAP.1
SECT.3 CHAP.1
SECT.3 CHAP.1
SECT.3 CHAP.2

9 OUTER WING
10 WING TIP
11 OUTER ELEVON
12 INNER ELEVON
13 REAR FUSELAGE
14 REAR RADOME
15 JET PIPE END CAP
16 JET PIPE
17 JET PIPE FAIRING

SECT.3 CHAP.2
SECT.3 CHAP.2
SECT.3 CHAP.2
SECT.3 CHAP.2
SECT.3 CHAP.1
SECT.3 CHAP.1
SECT.4 CHAP.1
SECT.4 CHAP.1
SECT.3 CHAP.1

18 FIN
19 FIN CAP
20 RUDDER
21 MAIN WHEEL UNIT
22 MAIN WHEEL DOORS
23 ENGINES
24 ENGINE BAY DOORS
25 NOSE WHEEL UNIT
26 NOSE WHEEL DOORS
27 FLIGHT REFUELLING PROBE

SECT.3 CHAP.3
SECT.3 CHAP.3
SECT.3 CHAP.3
SECT.3 CHAP.5
SECT.3 CHAP.2
SECT.4 CHAP.1
SECT.4 CHAP.1
SECT.3 CHAP.5
SECT.3 CHAP.1
SECT.4 CHAP.2

Fig.2 Sections of aircraft

◀ Mod. 2304 ▶

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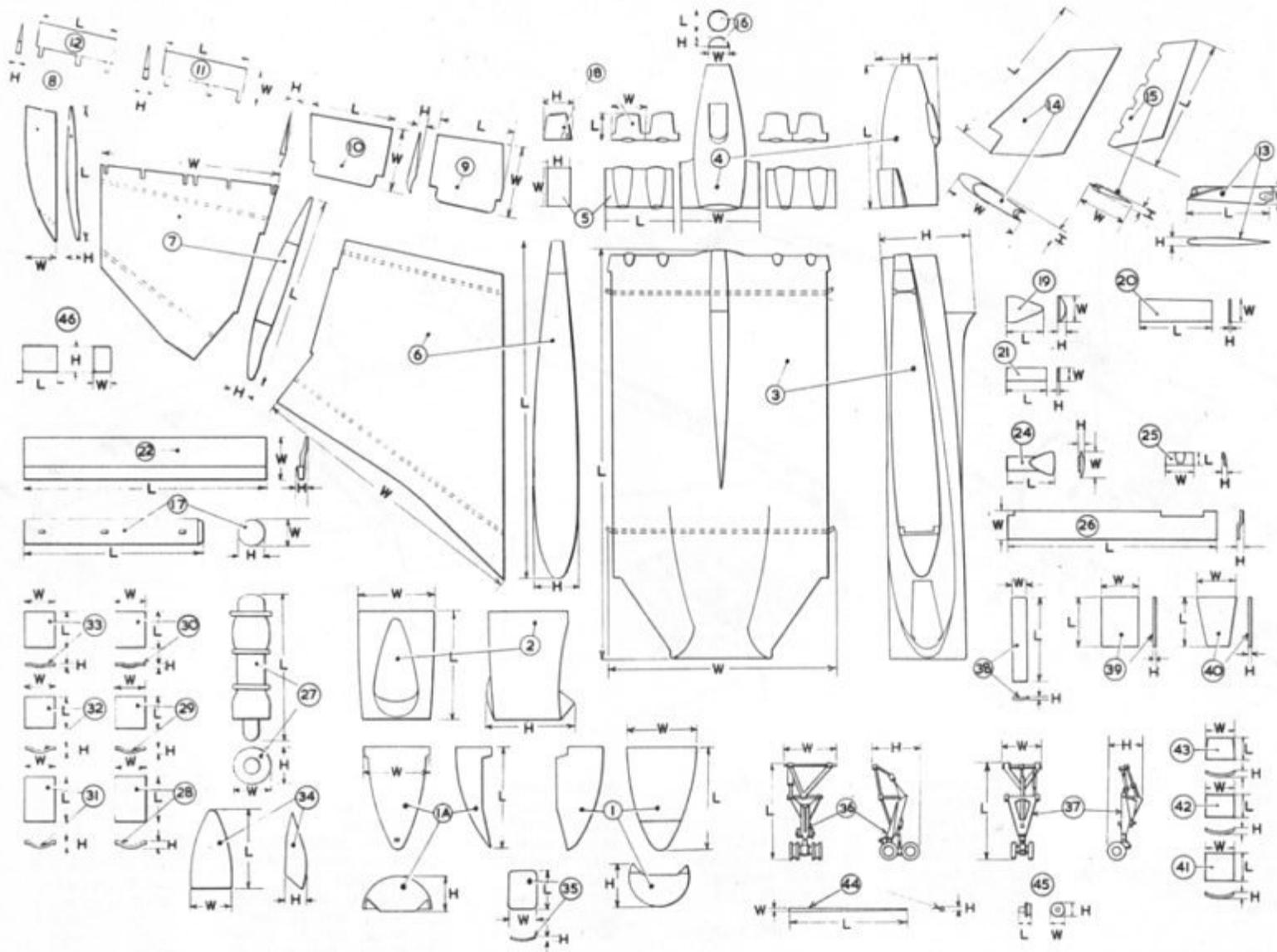


Fig. 3 Component weights and dimensions

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KEY TO FIG. 3
COMPONENT WEIGHTS AND DIMENSIONS

Item	Component	Length (ft.)	Width (ft.)	Height (ft.)	Structure tare weight (lb.)
1	NOSE (lower portion, composite)	13.5	8.75	5.5	290
1a	NOSE (upper portion, metal)	13.5	8.7	4.25	230
2	FRONT FUSELAGE	16.75	9.2	10.25	2,081
3	CENTRE SECTION	52.85	28.85	12.0	17,979
4	REAR FUSELAGE	18.5	10.6	6.33	962
5	REAR FUSELAGE FAIRING	8.25	5.0	3.33	258
6	WING INNER (Starboard)	50.0	35.5	5.0	6,457
6a	WING INNER (Port)	50.0	35.5	5.0	6,446
7	WING OUTER (Port and starboard)	24.5	20.5	2.5	1,708
8	WING TIP (Port and starboard)	14.8	3.75	0.79	107
9	ELEVON INNER (Inboard, port and starboard)	9.75	10.6	1.66	326
10	ELEVON INNER (Outboard, port and starboard)	10.25	8.75	1.5	323
11	ELEVON OUTER (Inboard, port and starboard)	9.75	4.25	1.6	210
12	ELEVON OUTER (Outboard, port and starboard)	9.75	4.25	1.6	203
13	FIN CAP	11.33	2.25	1.41	100
14	FIN	21.0	10.0	1.87	919
15	RUDDER	19.25	6.0	1.0	305
16	TAIL RADOME	2.47	2.47	1.54	14
17	JET PIPE	22.98	2.63	2.63	492
18	JET PIPE CAP	3.25	4.25	2.87	97
19	FAIRING (counterpoise plate, each)	4.0	3.58	0.5	17
20	COUNTERPOISE PLATE, FRONT (each)	7.6	3.08	0.08	39
20a	COUNTERPOISE PLATE, REAR (each)	5.75	3.25	0.08	31
21	SPLITTER PLATE FRONT (each)	3.87	1.75	0.16	10
21a	SPLITTER PLATE REAR (each)	5.75	2.54	0.16	23
22	BOMB BAY DOORS (each)	29.25	5.2	0.56	713
23	(DELETED)				
24	BOMB BAY FAIRING, REAR	6.33	3.25	1.0	23
25	BOMB BAY FAIRING, FRONT	6.0	7.0	0.75	4.8
26	BOMB BAY FAIRING, PORT	29.0	4.75	1.5	444
26a	BOMB BAY FAIRING, STARBOARD	29.0	5.75	1.6	520
27	ENGINE (Olympus 20101) (including oil and starter)	13.68	3.75	4.35	4,761
28	ENGINE DOOR, FORWARD)	5.29	4.08	0.5	54
29	ENGINE DOOR, CENTRE)Inboard, port and stbd.	4.85	4.04	1.33	80
30	ENGINE DOOR, REAR)	5.83	4.79	1.25	68
31	ENGINE DOOR, FORWARD)	5.29	4.08	0.5	52
32	ENGINE DOOR, CENTRE)Outboard, port and stbd.	4.83	4.08	1.33	82
33	ENGINE DOOR, REAR)	5.83	4.79	1.25	73
34	CANOPY	10.5	4.66	1.4	284
35	MAIN ENTRANCE DOOR	5.0	2.75	1.0	100
36	MAIN WHEEL UNIT (each)	12.75	5.0	6.0	2,485
37	NOSE WHEEL UNIT	13.5	3.5	3.08	990
38	NOSE WHEEL DOOR (each)	10.75	1.75	0.33	48
39	MAIN WHEEL DOOR	6.5	4.75	0.75	164
40	MAIN WHEEL FAIRING	5.25	4.0	0.41	32
41	REAR FUSELAGE ACCESS DOOR (front)	4.27	4.04	0.79	27
42	REAR FUSELAGE ACCESS DOOR (centre)	3.29	4.08	0.79	23
43	REAR FUSELAGE ACCESS DOOR (rear)	3.25	4.0	0.87	22
44	REFUELLING PROBE	9.7	0.5	0.5	38
45	RAM AIR TURBINE	1.3	1.16	1.25	94
46	AIRBORNE AUXILIARY POWER PLANT	4.5	2.0	3.16	420

each end, and, on the centre, an engraved star plate; adjacent to the screw, on the port side of the tool, is a locating peg. The star plate is engraved to indicate the amount in inches, that the corresponding jack or jacks have to be adjusted in an upward direction.

11. When in use, the plate is fitted transversely in tapped holes, which are normally plugged, at the forward end of the crew's floor and the plumb line is suspended from a bracket near the canopy roof and immediately above the star plate.

Jacking for retraction tests

12. When the aircraft is jacked for retraction tests, it is important that the lower (rear) wheels of the bogie are at least six and a half inches clear of the ground, since, on retracting, the trail angle of the wheel bogie is considerably increased. Wing trestles are to be fitted at ribs 126.5 port and starboard for retraction tests. The sequence of jacking operations is given in the following paragraph.

Jacking complete aircraft

13. The aircraft is to be jacked laterally and longitudinally level for rigging or retraction tests. The sequence of jacking operations is as follows:-

- (1) Position the levelling plate and plumb line (para.11).
- (2) Remove the sealing caps from the four jacking points in the centre section and attach the jacking pads.
- (3) Place a 25-ton jack under each jacking pad; the type of jacks to be used and the requisite adapter are listed in Table 1.

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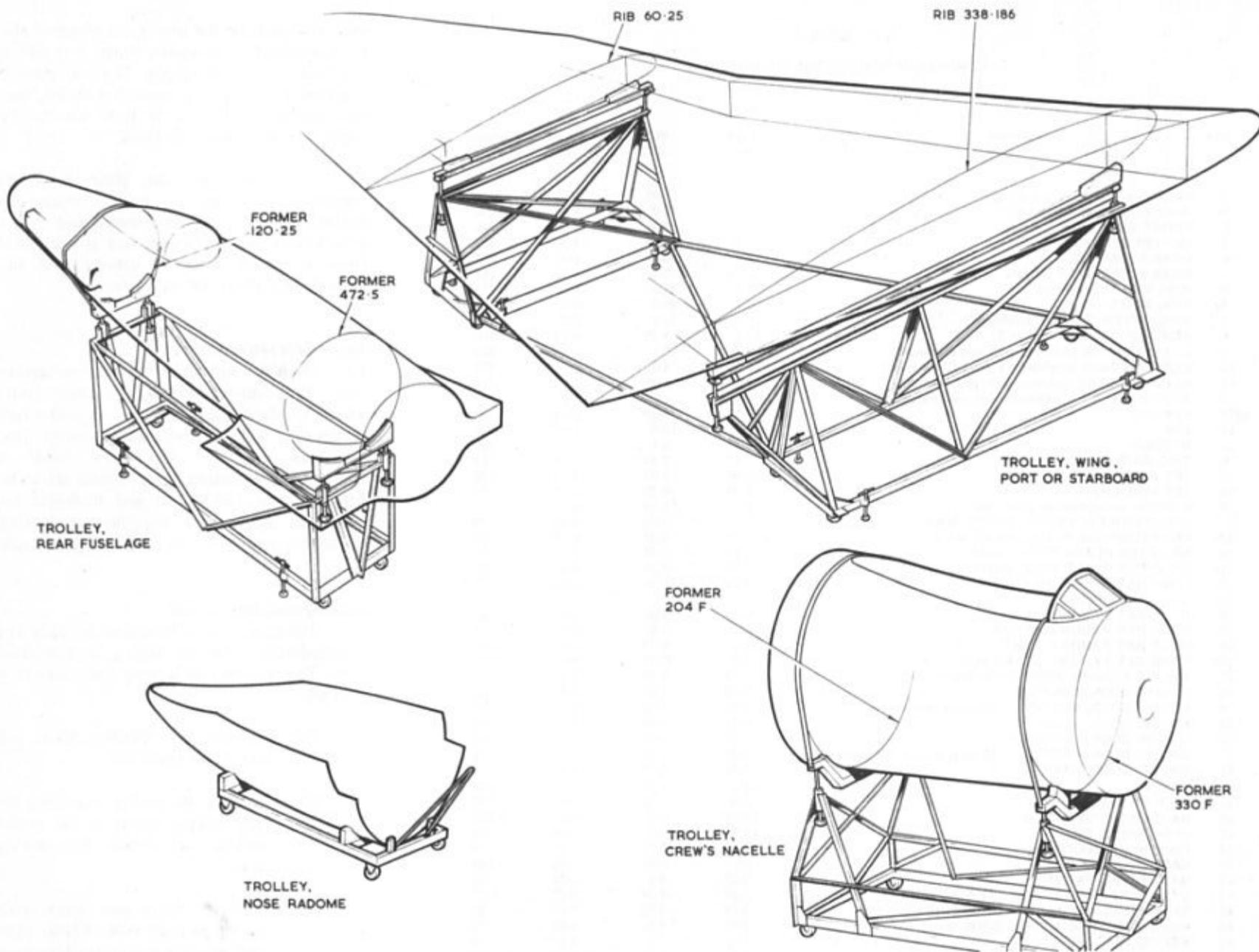


Fig. 4 Trestling sections of aircraft
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NOTE

Each jack must be positioned with the jack body vertical and the adjustable legs parallel to the lateral axis of the aircraft.

- (4) Operate the jacks slowly and simultaneously to ensure equal distribution of loading.
- (5) Check the level of the aircraft laterally and longitudinally, on the levelling plate in the crew's compartment, and adjust the jacks as required. Note that the graduations on the star plate indicate the amount in inches that the jacks are to be raised
- (6) Place a wing trestle, with UJT No.16 at ribs 126.5, port and starboard (wing trestles are not to be fitted for rigging checks).
- (7) Before the engine doors are opened, place the former, nose supporting Ref. No. 26DC/95005, and U.J.T. No.18 at the red line marked on the nose section and fit jury struts across the main-wheel bays. Note, however, that for retraction tests, the jury struts must not be fitted and the engine doors must remain closed

► **Jacking aircraft outdoors**

13A. The aircraft may be supported on main jacking points at weights up to 204 000 lb or on auxiliary jacking points at weights up to 160 000 lb provided the following conditions are complied with:

NOTE

Repairs requiring stress jacking should not be carried out outdoors.

- (1) Wind ground speed, obtained from the control tower or meteorological office, whether steady or gusting, must not exceed 20 knots.
- (2) Wind conditions at the control tower or meteorological office may differ from those prevailing at the jacking site due to the influence of adjacent hangars, aircraft etc. When an accurate estimate of wind ground speed can be obtained at the actual jacking site the aircraft may be supported on jacks in winds up to 30 knots
- (3) Jacks must be positioned on approved level concrete standings in dry weather conditions. Aircraft must not be jacked or remain jacked on wet or icy concrete or when snow is expected.
- (4) The aircraft may be positioned facing any direction although the margins of safety are increased when positioned nose to wind.
- (5) In gusty conditions position stress jacking trestles U.J.T.16, with beam 1/U2275, at wing ribs 126.5, port and starboard, and raise wing tips approximately one inch. Position nose steady trestle U.J.T.18, with beam 1/U1017, under frame 372 and raise nose approximately ¼ inch.

- (6) Make periodic checks to update wind speeds and forecasts, particularly when jacked to the conditions detailed in sub-para.(2).◀

CHECKING OF FIXED SURFACES

14. The main plane and fin are fixed cantilever structures which are rigged when correctly assembled to the fuselage, adjustment is therefore impossible. The incidence and dihedral should be checked, however, in the manner described in the subsequent paragraphs, after the aircraft has been assembled or whenever it is necessary to verify that the components are true.

15. A sighting rod and a dumpy level along with a tripod are required during these rigging checks. The location points for the sighting rod, which consist of cup-shaped fixtures in the lower surface of the aircraft, are shown on fig.6. Location points A to J are permanent fixtures, at point K the mushroom headed bolt must be removed from the location point (fig.6) and the adapter U.1763 Ref.No.26DC/95443 screwed into position. The sighting rod, which is spring-loaded, is positioned at the location points on the aircraft in the following manner:-

NOTE

Ensure that the cups in the location points and the ball end of the sighting rod are thoroughly clean before taking any sight readings.

- (1) Place the rod in the vertical position below the aircraft location point which is being checked.
- (2) Release the sighting rod thumbscrews.

- (3) Place one foot on the step at the lower end of the rod and compress the spring loading approximately three inches.
- (4) Whilst the rod is held in position, raise the upper portion until the ball end engages in the aircraft socket, tighten the thumbscrew and then remove the foot from the step.
- (5) Gently tap, as necessary, on the base of the rod until the plumb indicates that the rod is vertical.

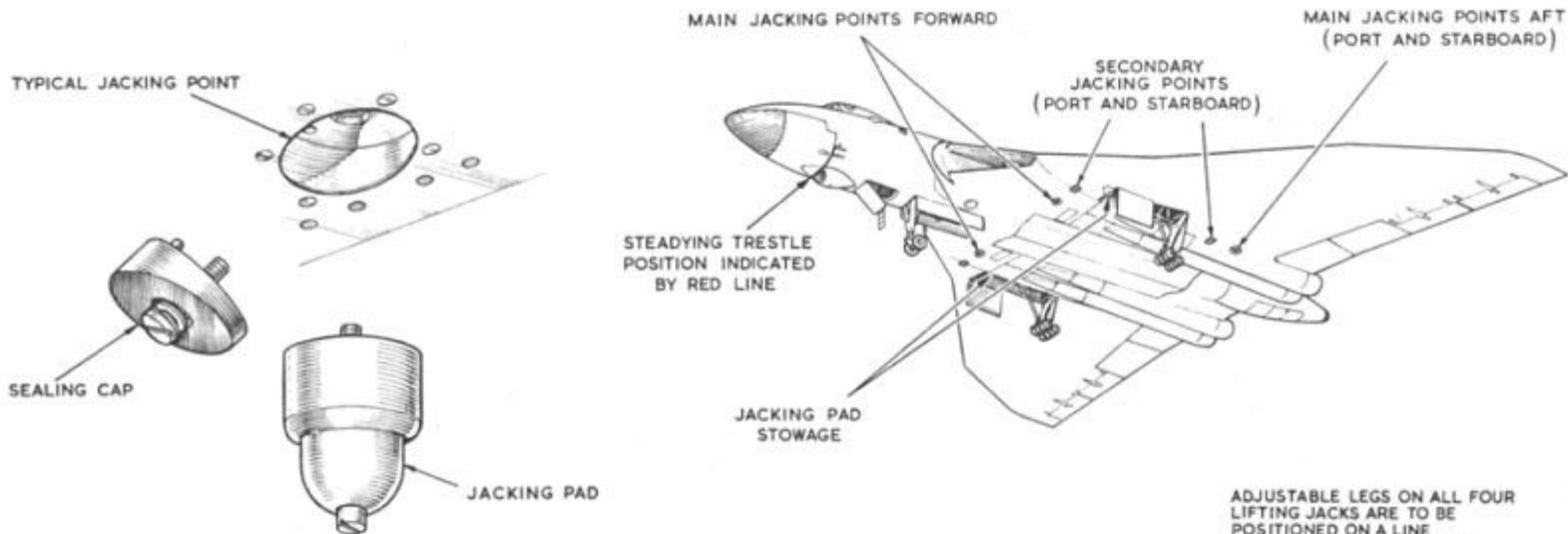
The dumpy level consists of a swivel mounted sighting head, in which the lens and graticule are housed, and an adjustable platform. The sighting/platform assembly is screwed on to the top of the tripod and set up for use in the following manner:-

- (1) When the instrument has been screwed firmly on to the tripod, level the bubble by adjusting the three levelling screws on the platform.
- (2) Revolve the screw-focusing eye-piece until the diaphragm lines

are distinct and clear, then point the telescope towards the sighting rod and focus with the milled head on the right-hand side of the telescope.

- (3) Bring the main bubble in the tubular level to the centre of its run by using the micrometer screw (at the rear and below the telescope mounting).
- (4) Check that the axis of rotation is vertical. To do this, turn the instrument so that the bubble tube is parallel to the line joining the two footscrews. Tilt the adjusting screw until the main bubble is level. Reverse the instrument through 180 deg and if the bubble is no longer in the centre of its run, correct half the discrepancy by moving one of the two footscrews and the remainder by tilting the adjusting screw. Next, turn through 90 deg and adjust the third footscrew to bring the bubble level. Repeat the whole procedure until the adjustment is correct.

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THE COMPLETE AIRCRAFT IS TO BE LIFTED AT THE FOUR MAIN JACKING POINTS
SECONDARY JACKING POSITIONS MAY BE USED WHEN THE MAIN JACKING POINTS ARE INACCESSIBLE

EQUIPMENT CONSISTS OF THE FOLLOWING ITEMS:-

TRESTLE MK.2	REF. 4Q/4230814
JACK BODY	REF. 4Q/4230812
ADAPTER HEAD MK.107	REF. 4Q/4230551
PADS, JACKING	REF. 26DC/95063
	(POST ST.I./VULCAN/340)

- * FORMER, NOSE SUPPORTING REF. 26DC/95005
- * TRESTLE U.J. No.18. REF. 4G/-

NOTE:-

- (1) ITEMS MARKED THUS * ARE REQUIRED WHEN ALL ENGINE DOORS ARE OPENED. THE ENGINE CENTRE DOORS MAY BE OPENED WITHOUT THESE ITEMS IN POSITION
- (2) ITEMS MARKED ○ ARE REQUIRED WHEN AIRCRAFT IS JACKED UP OUTDOORS IN GUSTY WIND CONDITIONS

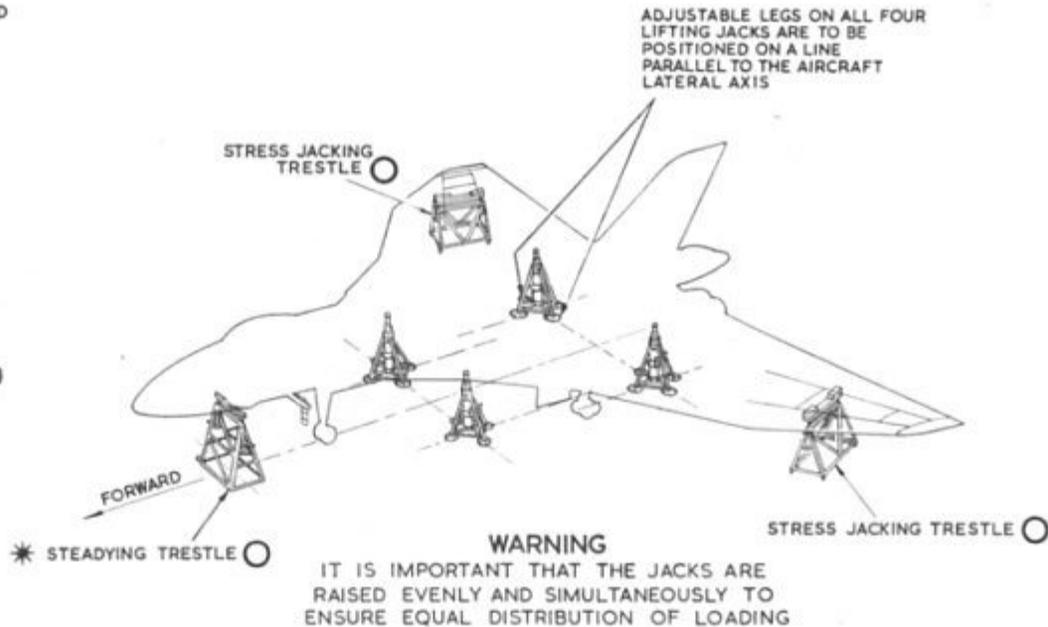


Fig. 5 Jacking complete aircraft

► Outdoor jacking requirements ◀

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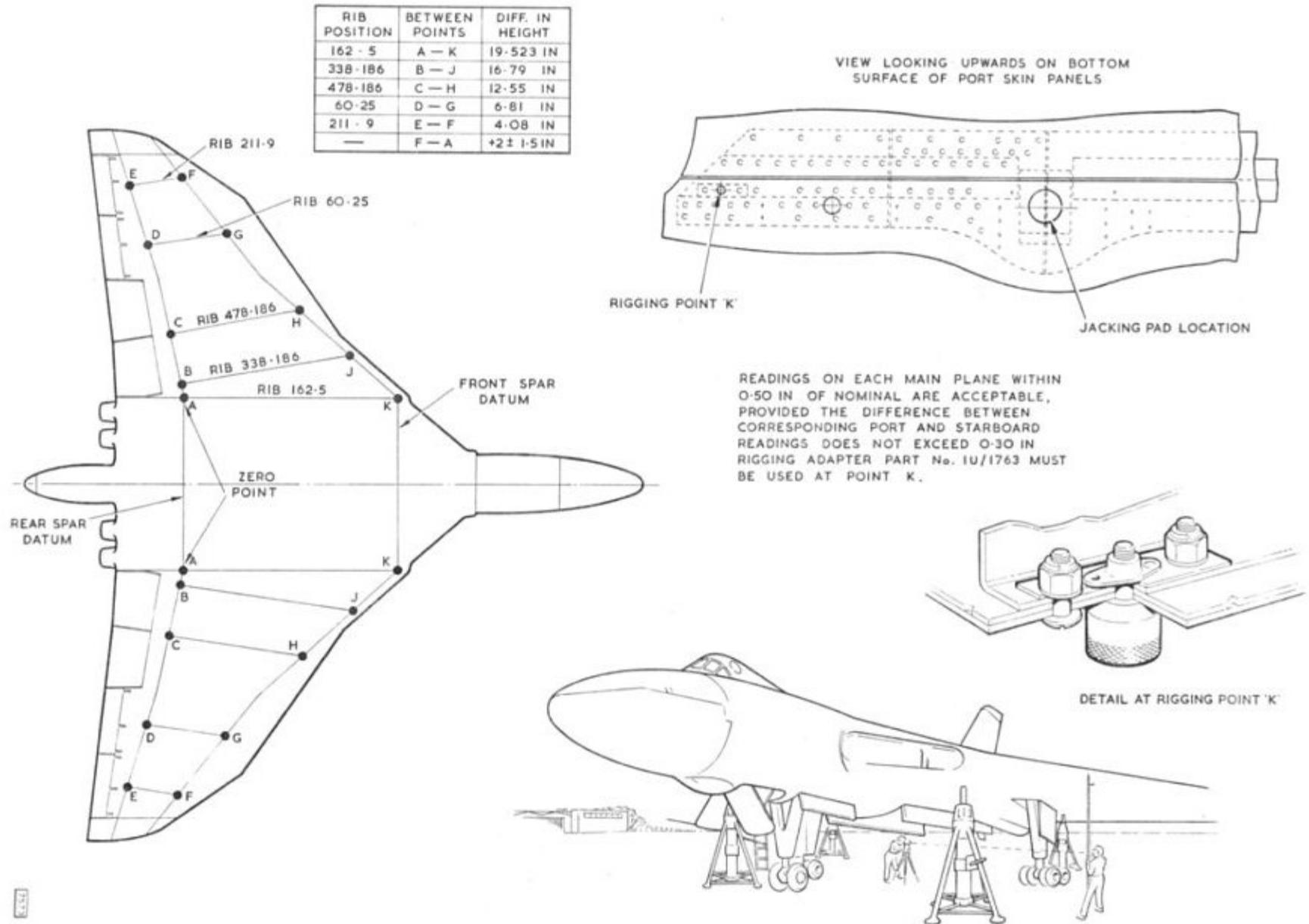


Fig. 6 Rigging of complete aircraft

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FIN VERTICALITY CHECK

TO CHECK THE FIN VERTICALITY PROCEED AS FOLLOWS:-

- (1) ENSURE THAT THE SIDE BRACKET IS SET CORRECTLY; I.E. PRESSING FIRMLY AGAINST THE STOP ON THE CENTRE TUBE; IF NECESSARY, TIGHTEN THE SECURING BOLT.
- (2) REMOVE THE LOCATING PIN AT THE UPPER END OF THE JIG.
- (3) INSERT THE PLUG END OF THE JIG INTO THE BOTTOM HINGE BRACKET ON THE FIN POST.
- (4) SECURE THE JIG IN POSITION BY PASSING THE LOCATING PIN THROUGH THE CENTRE HINGE BRACKET AND INTO THE JIG.
- (5) PLACE A CLINOMETER ON THE SIDE BRACKET, IF THE FORE-AND-AFT HINGE LINE IS CORRECT, THE READING MUST BE BETWEEN 359 DEG. 45 MIN. AND 0 DEG. 15 MIN.
- (6) PLACE THE CLINOMETER ON THE TRANSVERSE BRACKET, IF THE VERTICALITY IS CORRECT, THE READING MUST BE BETWEEN 359 DEG. 45 MIN. AND 0 DEG. 15 MIN.

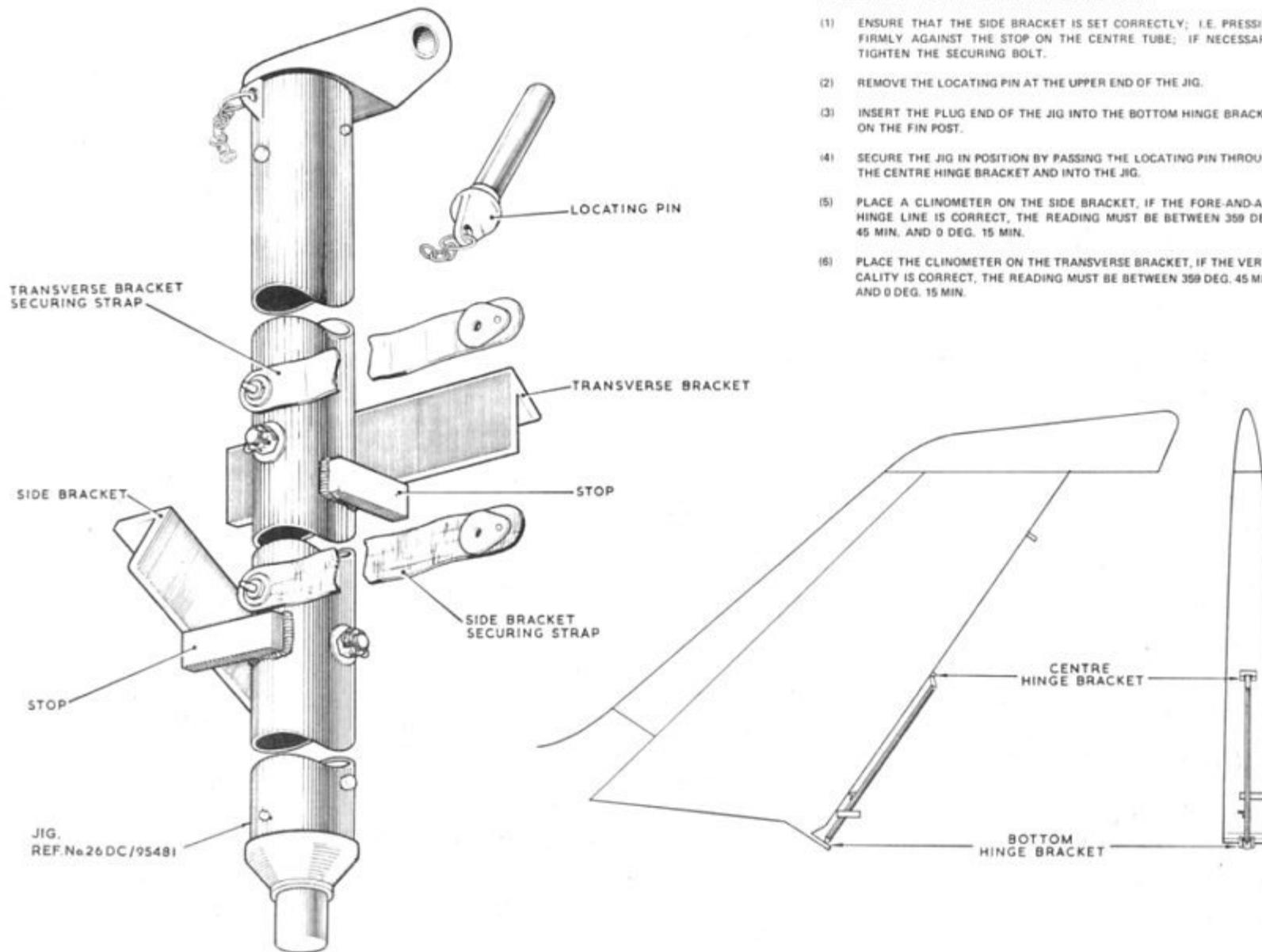


Fig.7 Fin verticality jig

◀ Amended Instructions ▶

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RIGGING POSITION AND LEVELLING

16. To check the main plane incidence and dihedral, the aircraft must be jacked in the rigging position, i.e., laterally and longitudinally level. The method of jacking has already been given in para.13. To check for centre section twist, proceed as follows:-

- (1) Ensure by reference to the star plate, in the crew's compartment, that the aircraft is in the correct rigging position.

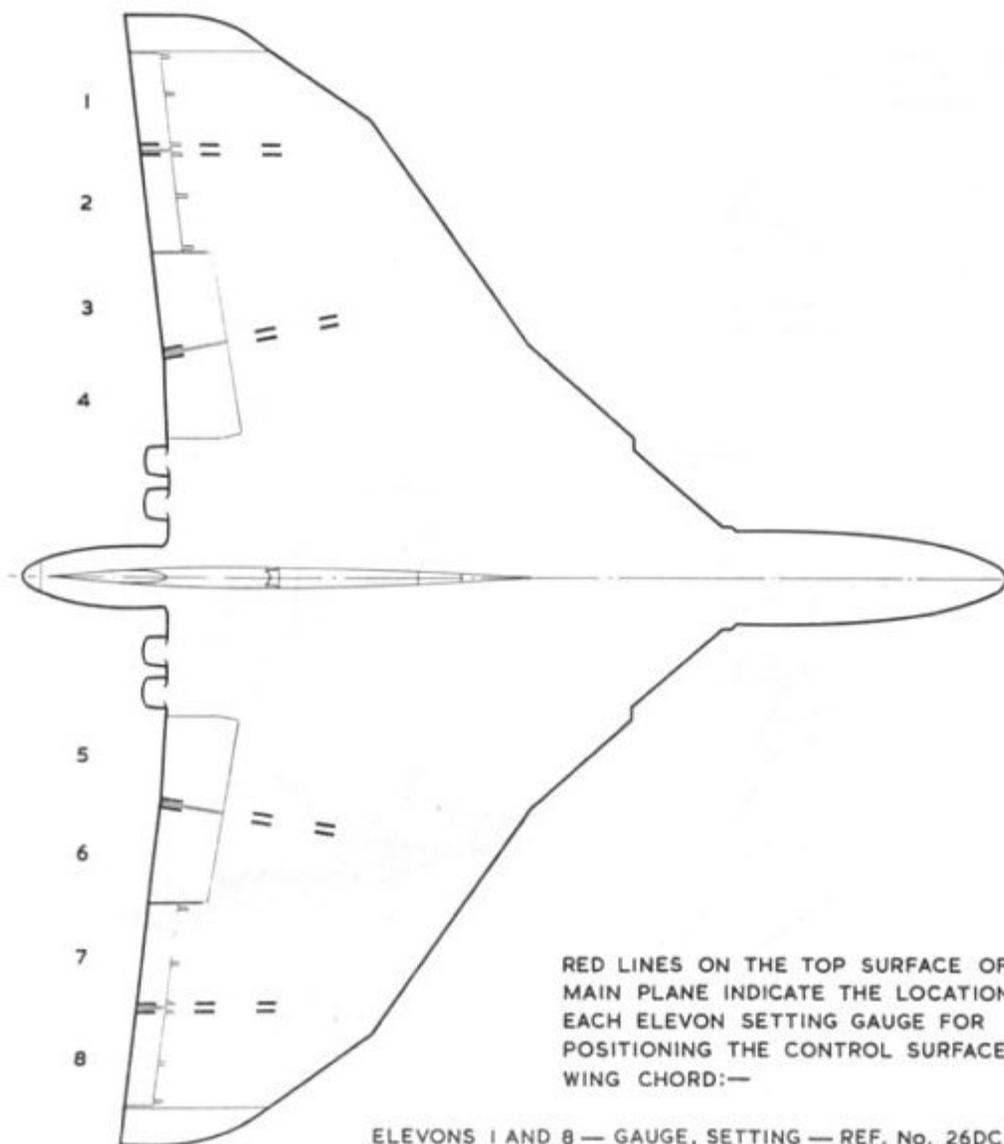
NOTE...

The plumb line must be over the centre of the star plate.

- (2) Place the dumpy level and tripod in position below and at the centre of the bomb bay (fig.6) with the dumpy level sight approximately 4 ft. 6 in. from the ground. Traverse the instrument to ensure that the sighting rod can be seen when held temporarily at any of the four location points on the transport ribs of the centre section and at the rigging points on both main planes. When the tripod is suitably positioned and the above conditions are satisfied, level the sight (para.15).

- (3) Remove the screwed plugs from the centre section locating points A and fit the adapter U.1763 to point K as detailed in para.15.

- (4) Place the pointed end of the sighting rod vertically at the rear location point on the port transport rib; this location is now



ELEVONS 1 AND 8 — GAUGE, SETTING — REF. No. 26DC/95181
 ELEVONS 2 AND 7 — GAUGE, SETTING — REF. No. 26DC/95180
 ELEVONS 3 AND 6 — GAUGE, SETTING — REF. No. 26DC/95179
 ELEVONS 4 AND 5 — GAUGE, SETTING — REF. No. 26DC/95187

Fig. 8 Control surface setting

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FUEL COLLECTOR AND DRAIN IN ACCESS
PANELS INDICATED O

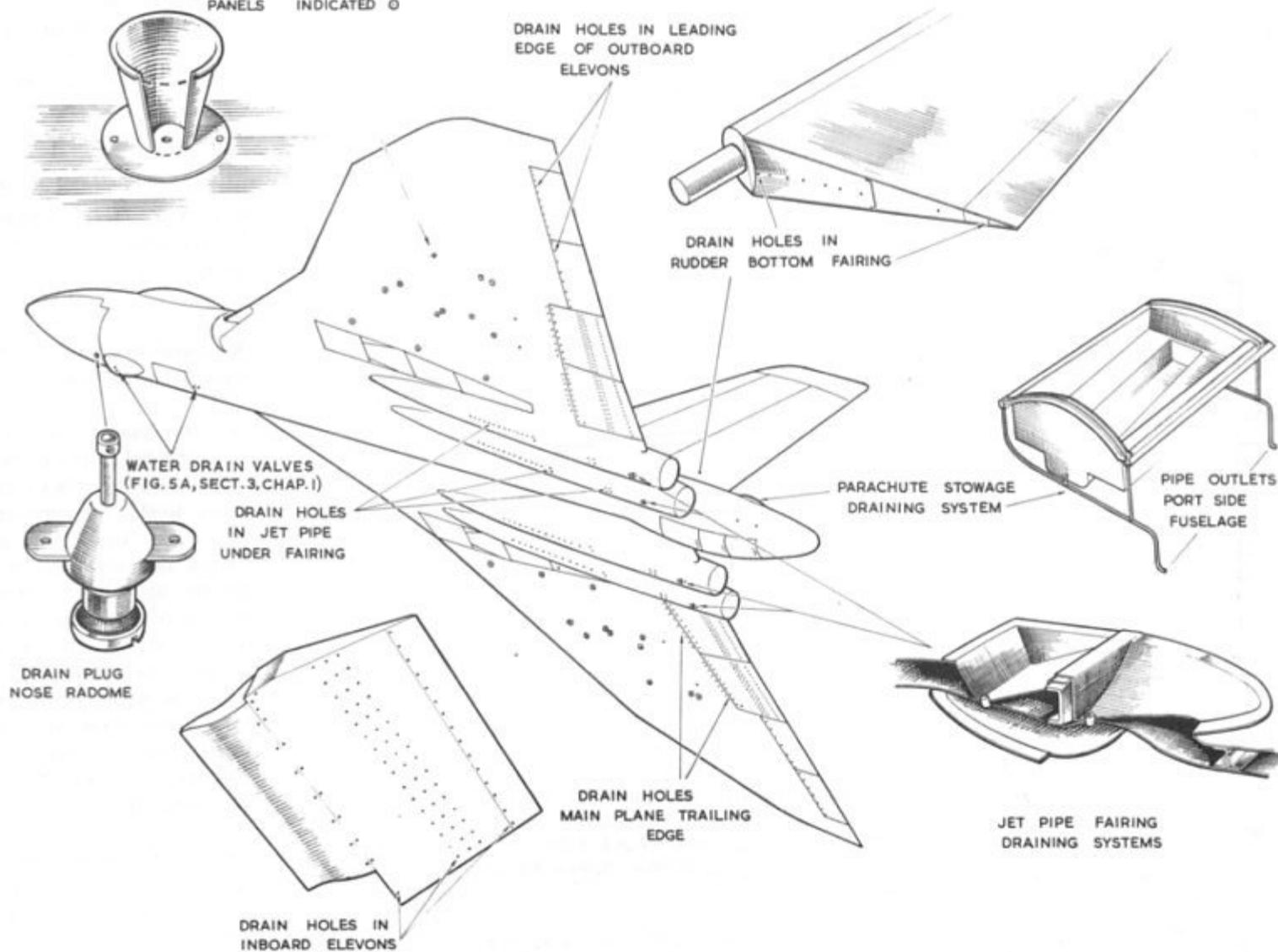


Fig.9 Drainage holes
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referred to as the 'zero point'. Take a reading through the dumpy level and record the reading.

- (5) Place the sighting rod at the rear location point on the starboard transport rib and again record the reading.
- (6) Place the sighting rod at the port forward location point and record the reading.
- (7) Repeat (6) at the starboard forward location point.

17. From the figures recorded during the foregoing operations, the accuracy of the centre section alignment can be checked. There should be no difference in height between the port and starboard rear location. Similarly, there should be no difference between the two forward points. A difference of 19.523 in. should be recorded between the rear and forward location points on the port and starboard transport ribs.

18. Before the incidence or dihedral is checked, any twist existing in the main plane centre section must be eliminated by adjustment of the jacks, the method to be used is as follows:-

- (1) Adjust the rear jacks, if necessary, until there is no difference in height between the two rear location points.
- (2) Adjust the forward jacks, if necessary, until the difference in height between the front and rear location points on the port transport rib is exactly 19.523 in.

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- (3) Check that the difference in height between the front and rear location points on the starboard transport rib is also 19.523 in.

INCIDENCE CHECKS

19. The aircraft incidence is checked, with the fuel tanks empty, by the following method:-

- (1) Ensure that the aircraft is jacked in the rigging position (para.16) and that the centre section is level (para.18).
- (2) With the dumpy level positioned as in para.16, sub-para.(2), traverse the level and ensure that the sighting rod location points are not obscured by the jacks, alighting gear, etc. Reposition and level the dumpy level as necessary.
- (3) Remove the plugs from the location points (their positions are shown in fig.6).
- (4) Place the sighting rod at the starboard 'zero point', and record the reading.
- (5) Position the rod at each successive rib position along the starboard front and rear spars and record the readings.
- (6) Repeat (4) and (5) on the port side of the main plane.
- (7) The incidence is correct if the

difference in heights recorded are as indicated in the table in fig.6.

DIHEDRAL CHECKS

20. From the readings recorded for the incidence checks, the dihedral may be checked by calculation. If the dihedral is correct, i.e., 0 deg., the difference in height of readings taken at point F and (zero) point A should be $+2 \pm 1.5$ in as indicated in the table in fig.6.

NOTE . . .

A tolerance of ± 0.50 in is given for readings at rib positions on the main plane, provided the difference in height between corresponding points on opposite main planes does not exceed 0.30 in.

21. These figures only apply when the checks have been made on an unloaded aircraft with empty fuel tanks.

FIN VERTICALITY CHECK

22. The method of checking the fin verticality is given in fig.7.

CONTROL SURFACE SETTING

23. Elevon setting gauges are used to position the control surfaces at wing chord during rigging or control surface range checks. For information on the use of these gauges refer to fig.8.

AIRCRAFT CLEANING

24. Aircraft cleaning should conform to specification D.T.D.445A.

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TABLE 1

LIST OF GROUND SERVICING EQUIPMENT

◀ (Completely revised) ▶

Ref. No.	Part No.	Description	Application
ENGINE/E.C.U. EQUIPMENT			
26DC/95266	1/U1579	Hoist, engine, 3 250 lb	Olympus engine (three-point hoisting)
-	26/U1579	Bracket, slinging	
4GC/1276060	-	Hoist, engine, 18 cwt	Olympus engine (four-point hoisting)
4GC/1229657	-	Frame, lifting	
4GC/1229669	-	Suspension, linkage	
4GC/4232273	-	Sling, engine	Olympus engine
4GC/4232332	-	Sling, engine	Olympus, Mk.30301
26DC/95348	1/U1535	Trolley, jet pipe (low type)	Installation or removal, a/c on wheels
26DC/95361	1/U1608	Trolley, jet pipe (high type)	Installation or removal, a/c on jacks
26DC/95404	1/U1647	Stand, jet pipe	Servicing
40B/1255	-	Stand, transit/servicing	E.C.U.
40B/1268	-	Stand, transit/servicing	Rover
4G/4420706	-	Trolley, E.C.U.	Servicing
4G/5571	-	Adapter	
26DC/95400	1/U1623	Rail guard	E.C.U. removal and installation
4GC/7259	-	Sling, lifting, transit/servicing stand, c/w E.C.U., Olympus	
4G/6608	-	Transporter	
4G/6617	-	Stand, servicing	
4G/6618	-	Lever, handling	
4L/4253401	-	Sling, lifting, e.c.u./jet pipe cases	
4L/4253454	-	Sling, chain, four-legged	
4L/4253465	-	Sling, wire-rope, four-legged	
JACKING EQUIPMENT			
4Q/1045837	GM10334	Jack, pillar, hydraulic, 15 ton	
4Q/2663	-	Adapter head, Mk.104	For nose-wheel changing
4Q/4230862	GM10586	Trolley, transporter	
4Q/4231075	-	Jack, Hydralite, 25 ton (Model 825)	
26DC/95175	1/U1345	Bracket, jacking, main u/c, front	For main-wheel changing
26DC/95176	1/U1346	Bracket, jacking, main u/c, rear	

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TABLE 1 (continued)

Ref. No.	Part No.	Description	Application
Jacking equipment (continued)			
4Q/4230812	GM10100	Jack, hydraulic, 25 ton	Main plane jacking
4Q/4230814	GM10102	Trestle, Mk.2	
4Q/4230551	GM4403	Adapter head, Mk.107	Replaces 4Q/4230814 for a/c with burst tyre or deflated oleo
4Q/4230813	GM10101	Trestle, Mk.1	
26DC/95005	1/U1017	Former, nose supporting	For a/c on jacks with engine doors open
4G/-	-	Trestle, U.J. No.18 with Type 'A' or 'B' brackets. Less beam	
26DC/95177	1/U1347	Former, wing rib	Port and starboard outer wing steadying during u/c tests
4G/-	-	Trestle, U.J. No.16	
4Q/2035240	-	Wheels, transportation, fixed leg	Used with item 4Q/4230812
4Q/2035241	-	Wheels, transportation, trailing leg	Used with item 4Q/4230812
4Q/1045836	-	Jack, lifting, 8 ton pillar, hydraulic, Type 'B'	
RIGGING EQUIPMENT			
26DC/95178	1/U1358	Gauge, setting, inner inboard elevon	Port and starboard elevons
26DC/95179	1/U1359	Gauge, setting, outer inboard elevon	
26DC/95180	1/U1360	Gauge, setting, inner outboard elevon	Rudder to fin
26DC/95181	1/U1361	Gauge, setting, outer outboard elevon	
26DC/95033	1/Z7225	Jig, setting	For setting the fin vertical
26DC/95481	1/Z10297	Jig, setting	Aircraft levelling
26DC/95028	1/Z7344	Plate, levelling, with plumb line	Incidence and dihedral
26DC/95036	1/U1014	Rod, sighting	Use with item 26DC/95036
26DC/95443	1/U1763	Rigging adapter	
TOWING AND STEERING EQUIPMENT			
26DC/95191	1/U1342	Arm, towing	Nose
26DC/95397	1/U1634	Arm, steering	Nose
26DC/95192	1/U1343	Bridle, towing (set of 2)	Single undercarriage
26DC/95193	1/U1344	Bridle, towing	Rearwards towing
COMPONENT HANDLING EQUIPMENT			
26DC/95196	1/U1355	Trolley	Port and starboard main plane

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TABLE 1 (continued)

Ref. No.	Part No.	Description	Application
Component handling equipment (continued)			
26DC/95101	1/U1239	Trolley	Crew's nacelle
26DC/95100	1/U1224	Trolley	Nose radome
26DC/95149	1/U1242	Trolley	Main or nose undercarriage
26DC/95194	1/U1357	Frame, support, main u/c	Used with 26DC/95149
26DC/95358	1/U1609	Frame, support, nose u/c	
26DC/95150	1/U1262	Trolley, handling	Cabin air conditioning unit
26DC/95095	1/U1238	Trolley	A.R.I.5851
26DC/95230	1/U1321	Stand, bomb bay doors	Use with item 26DC/95228
26DC/95374	1/U1613	Adapter, head	Use with item 4GC/1043793
26DC/95446	1/U1729	Trolley	Rear fuselage
SLINGING EQUIPMENT			
◀ 4GC/5703	42/1	Hoist, heavy components comprising:- Winch, A/C heavy components, 5 cwt (A)	Radome hoisting - use (A) (B) (C) (D) (F) (G) and (J) 2 off each H2S scanner - use (A) (B) (C) (D) (E) (F) and (H) 2 off each A.R.I.5851 - use (A) (B) (D) (E) and (G) 1 off each Air conditioning unit - use (A) (B) (D) (E) and (G) 2 off each Window launch - use (A) (B) (D) (G) and (J) 2 off each Bomb bay doors - use (A) (B) (E) and (F) 2 off each Rover A.A.P.P. - use (A) (B) (D) (G) and (J) 1 off each C.S.D./alternator - use (A) (B) (D) (E) and (G) 1 off each E.C.M. - use (A) (B) (C) and (K) 1 off each Engine fuel chassis - use (A) (B) (C) (L) and (M) 1 off each Crew's nacelle Rear fuselage E.C.M. Centre section Inner portion and complete wing Inner portion Outer portion and complete wing Outer portion Outer portion
4GC/4232337	41/163	Handle winch, 9 in (B)	
4GC/5443	41/101	Tube, extension, 36 in (C)	
4GC/5452	29/19	Tube, extension, 48 in (D)	
4GC/1046578	42/27	Top sheath hook, 5 cwt (E)	
4GC/1042863	41/76	Hook, cable winch (F)	
4GC/5433	25/41	Ball end cable, winch (G)	
4GC/5446	41/101	Sleeve, connecting extension tube, straight (H)	
4GC/6036	42/50	Top sheath special (J)	
26DC/95374	1/U1613	Adapter head, special (K)	
26DC/95394	1/U1625	Adapter head, special (L)	
26DC/95395	1/U1626	Adapter attachment (M)	
26DC/95007	1/U1063	Sling	
26DC/95391	1/U1621	Sling	
26DC/95183	1/U1348	Sling (set of 2)	
26DC/95292	1/U1501	Sling, main plane inner	
26DC/95184	1/U1350	Sling, main plane outer	
26DC/95289	1/U1502	Sling, main plane outer	
26DC/95291	1/U1530	Sling, main plane inner	
26DC/95290	1/U1531	Sling, spreader	

TABLE 1 (continued)

Ref.No.	Part No.	Description	Application
Slinging equipment (continued)			
26DC/95011	1/U1068	Sling	Fin
26DC/	1/U2232	Sling	Rudder
26DC/95185	1/U1351	Sling	Inner inboard elevon
26DC/95186	1/U1352	Sling	Outer inboard elevon
26DC/95187	1/U1353	Sling	Inner outboard elevon
26DC/95188	1/U1354	Sling	Outer outboard elevon
26DC/95070	1/U1181	Sling	Fin tip
26DC/95365	1/U1574	Sling	Main undercarriage
26DC/95366	1/U1575	Sling	Nose undercarriage
26DC/95121	1/U1241	Sling	Fixed nose portion
26DC/95147	1/U1267	Sling	Cabin air conditioning unit
26DC/95091	1/U1220	Anchor, bracket	Fixed nose portion
26DC/95148	1/U1256	Sling	Dinghy pack
26DC/95189	1/U1589	Eye bolt	Canopy lifting
26DC/95073	1/U1271	Sling	Removal of bomb bay door from aircraft
26DC/95228	1/U1319	Sling	Bomb bay doors, workshop use
26DC/95093	1/U1182	Sling	A.R.I.5851
26DC/95094	1/U1236	Sling	Calculators, N.B.C. crew's nacelle
26DC/95190	1/U1503	Beam, slinging	Rover A.A.P.P.
26DC/95357	1/U1585	Slinging, link	C.S.D./alternator removal
26DC/95372	1/U1620	Sling, alternator	
26DC/95083	1/U1170	Hoist, radar units	Radar units, crew's nacelle
26DC/95398	1/U1637	Sling	Jet pipe
26DC/95517	1/U1972	Bracket, pulley	C.S.D./alternator removal, Olympus 301
4GC/4232205	41/103	Tube extension, 60 in	
4GC/4232255	43/69	Tube extension, 72 in	
4GC/4232210	-	Tube extension, 84 in	
4GC/4232259	67479/113	Sling	Scanner unit
4GC/5754	C43/88	Top sheath, ball	
4GC/4232220	41/63	Hook, 2½ cwt	
4GC/5772	43/90	Cable, ball, 1½ in	
4GC/4232219	A41/5	Hoist 2½ cwt	
4GC/4232153	-	Hoist, bomb loading, Type 'C'	
MISCELLANEOUS SPECIAL EQUIPMENT			
26DC/95082	1/Z7733	Cover	Bomb aimer's window
26DC/95096	1/U1185	Gauge, test	Fuel pressurisation system

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TABLE 1 (continued)

Ref.No.	Part No.	Description	Application
Miscellaneous special equipment (continued)			
26DC/95045	1/U1011	Strut, jury	Canopy
26DC/95200	1/U1364	Strut, jury	Actuators, inboard elevons
26DC/95198	1/U1362	Strut, jury	Actuators, outboard elevons
26DC/95039	1/U1053	Strut, jury	Actuator, rudder
26DC/95359	1/U1588	Ladder, servicing/access	Crew's nacelle
26DC/95167	1/U1280	Guard, jack rams	Main entrance door
26DC/95090	AT81559	Jack, hydraulic	
4GA/4409698 or 4409699	-	Power pack	Bomb hoisting
4GA/4409700	-	Hose assembly	
26DC/95156	AT82012	Handle, locking telescopic	Loading bomb carriers with load in position
26DC/95218	1/U1383	Set, test	Tank pressurisation panel
26DC/95566	1/U2042	Bar, locking	Picketing, nose undercarriage
26DC/95235	1/U1329	Strap, securing hose	Air conditioning trolley hose
26DC/95249	1/Z9260	Bar, setting elevons	For setting controls prior to testing
26DC/95159	1/Z8532	Bar, setting rudder	
26DC/95295	1/U1493	Cap, pressure release	External cabin depressurisation
27H/2776	-	Strap, lashing	Special order only
27D/3147	-	Cover, pannier	
27H/3346	67479/1107	Pannier	
26DC/6177	AT.82204	Frame, pannier suspension, c/w bolts	
26DC/7063	AT.63197	Adapter, hoisting frame	
26DC/95217	1/U1390	Set, test	Artificial feel units
26DC/95362	1/Z9729	Gauge, setting	Air brake flap, top
26DC/95363	1/Z9730	Gauge, setting	Air brake flap, bottom
26DC/95393	1/U1624	Connector test, (complete with gauge)	A.A.P.P.
26DC/95394	1/U1625	Adapter head	
26DC/95395	1/U1626	Adapter attachment	Use with 4GC/5703 on fuel unit chassis
26DC/95470	1/U1851	Stand, freon pack, c/w condenser coupling	
26DC/95396	1/U1632	Strap, check	Nose entrance door
26DC/95399	1/UZ9893	Adapter, bleeding	Brake foot motors
26DC/95450	1/U1672	Bracket, attachment	Removal/replacement of C.S.D. and/or alternator
26DC/95451	1/U1673	Pulley, bracket	
26DC/95151	1/Z7567	Connector, engine oil drain	
26DC/95401	1/U1629	Carrier and linkages, P.F.C. tests comprising:-	
26DC/95233	1/Z8814	Carrier elevons	

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TABLE 1 (continued)

Ref.No.	Part No.	Description	Application
Miscellaneous special equipment (continued)			
26DC/95427	1/Z9807	Linkage elevons	
26DC/95234	1/Z8816	Carrier, rudder	
26DC/95439	1/Z9809	Linkage, rudder	For functional testing of flying control systems
26DC/95428	1/Z9947	Box, carrier and linkage mechanisms	
26DC/95403	1/U1631	Equipment, P.F.C. tests, comprising:-	
26DC/95247	1/U1379	Transmitter control column	
26DC/95248	1/U1380	Transmitter, rudder pedal, port	
26DC/95429	2/U1380	Transmitter, rudder pedal, starboard	
26DC/95430	1/Z8763	Recording unit	
26DC/95431	1/Z9506	Cockpit, monitor unit	
26DC/95432	1/Z9507	Cable, disconnecting	
26DC/95433	1/Z9508	Cable, disconnecting	
26DC/95434	1/Z9509	Cable, disconnecting	
26DC/95435	1/Z9510	Cable, disconnecting	
26DC/95436	1/Z9511	Cable, disconnecting	
26DC/95438	1/Z9810	Master traces	
26DC/95437	1/Z9949	Box, equipment	
26DC/95459	FB.209944	Blanks, air intake (set of six)	
26DC/95469	1/U1852	Platform, parachute installation	
26DC/95425	1/U1655	Adapter, air intake	V.C. cooling pack
27BA/11503	AVX.2693	Adapter coupling	Charge/Test, water/glycol. use with 4G/4420466
27BA/11504	AVX.2850	Adapter coupling	
26DC/95457	1/U1757	Adapter, pressure testing	
26DC/95453	1/U1728	Adapters, coupling (set of nine)	E.C.M. water/glycol system
26DC/95458	AVA.1186C	Adapter, coupling, water/glycol system - use with 4G/4420466	E.C.M. water/glycol system
	1/U1864	Adapter, priming	V.C.C.P. evaporator
27BA/10844	AVA.550C	Union, half coupling	Alternative to item 26DC/95458
27BA/11066	AVX2692	Coupling, inlet charging (E.C.M.)	
27BA/11067	AVX2849	Coupling, outlet charging (E.C.M.)	
26DC/95462	1/U1782	Adapter, air intake bleed air turbine	Turbo-alternator gearbox cooling
26DC/95205	1/U9133	Panel, test	Stabilised power pack
26DC/95206	1/Z9102	Panel, test	Refuelling panels 36P and 37P
26DC/95207	2/Z9103	Cable looms 453-460	
26DC/95208	3/Z9103	Cable looms 448-455	Use with item 1/Z9102
26DC/95209	4/Z9103	Cable looms 447-454	
26DC/95210	5/Z9103	Cable looms 450-457	

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TABLE 1 (continued)

Ref.No.	Part No.	Description	Application
Miscellaneous special equipment (continued)			
26DC/95211	6/Z9103	Cable looms 451-458	Use with item 1/Z9102
26DC/95212	7/Z9103	Cable looms 449-456	
26DC/95213	8/Z9103	Cable looms amplifier supply	Used with 26DC/95206
26DC/95214	9/Z9103	Cable looms power pack supply	
26DC/95237	10/Z9103	Cable looms 452-459	
26DC/95590	21/Z9103	Cable looms 552-554	
6A/2729	-	Amplifier	
26DC/95215	1/U1339	Set, test (electrical)	
26DC/95251	2/Z9151	Cable looms	Air brakes
26DC/95252	3/Z9151	Cable looms	Sequence timer test panel to a.c. system
26DC/95294	1/U1522	Set, test	Sequence timer test panel to R.C.
		Ammeter, clip-on	sequence timer
		Wattmeter, clip-on	Miscellaneous electrical systems
		Indicator, phase rotation	
		Transformer 400 amps	650 volts
26DC/95422	1/U1663	Transformer 100 amps	Compass swinging
26DC/95238	1/U1527	Box, compass swinging gear	
26DC/95239	1/U1528	Rod, sighting, front	
26DC/95466	1/U1651	Rod, sighting, rear	
	1/U1651	Piece, extension, sighting rod, front or Post Mod.GE2078	
	U/2181	Box	
	U/2179	Rod, front	
	U/2180	Rod, rear	
26DC/95510	1/U1910	Filter, air intake	
26DC/95561	70679/1511	Tool, cocking release	Mk.8 pitot heads
26DC/95562	70679/1599	Cover, pitot head	
26DC/95563	70679/1597	Tool, fitting, pressure head cover	Static vent plugs
26DC/95531	1/U1989	Lanyard, pull-off	
26DC/95574	1/U2083	Lanyard, pull-off	
26DC/95573	1/U2082	Lanyard, pull-off	
26DC/95536	1/U2028	Lanyard, pull-off	
26DC/95560	1/U2036	Lanyard, pull-off	
			Telescrumble
			Electrical A.C. and true earth
			Cabin air conditioning connections
			Cabin pressure control static vent

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TABLE 1 - (continued)

Ref.No.	Accessory Ref.No.	Description	Application
A.M.S.E.C. SCALES			
◀ (completely revised) ▶			
4A/2253	-	Oven, drying	
4A/2331	-	Cabinet, storage, low temperature (temperate)	
4A/2332	-	Cabinet, storage, low temperature (tropical)	
4A/8012511	-	Degreaser, component washing, large	
4A/9439965	-	Rig, test and setting (torque spanner)	
4C/1996	-	Cleaner, boot	
4C/2783	-	Head, dummy	
4C/2784 or 2785	-	Torso, dummy, Type A or B	
4C/3367	-	Handler, mechanical, Mk.1	
4C/4430473	-	Cabinet, test	Flying clothing
4D/2257	-	Bin, storage, aircraft covers	
4D/2640	-	Truck, "Sherpa" Mk.31X	
4D/1278340	-	Truck, tubular steel	
4D/4227447	-	Bin, storage, inflammable liquids	
4F/1715 or 1856	-	Trolley, instrument and auto-pilot testing	
4F/1787	-	Trolley, radar servicing, Type E	
4F/1805	-	Trolley, servicing, pneumatic, L.P.	
4F/1840 and 4401	-	Trolley, ground heating, non-toxic, Mk.3 and Mk.4	
-	4F/2414	Adapter	
4F/2061	-	Trolley, platform, aircraft servicing, G.P.	
-	4F/2299	Support, canopy	
-	4F/4229500	Canopy, canvas	
4F/2584	-	Trolley, air cooling and pressure cabin testing, Mk.3A, Godfrey R.2000	
or	-	Trolley, air cooling, Mk.5	
4F/2396	-	Hose, assembly	To provide cooled air for ground servicing of aircraft
-	4F/4777	Adapter "Y"	
-	4F/4915	Connector	
-	4F/2946	Hose, assembly	
-	4F/5185		
or	-	Trolley, air cooling, Mk.5A	
4F/3362	-	Trolley, pressure cabin testing, Mk.2, Godfrey R.300	
4F/2541	-	Trolley, servicing, hydraulic, Mk.3	
4F/3603	-	Pump, Dowty, Super Vardel, D8032Y/C08	
-	37J/8012	Trolley, air supply, Mk.3	
4F/3998	-		

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TABLE 1 - (continued)

Ref.No.	Accessory Ref.No.	Description	Application
A.M.S.E.C. Scales (continued)			
4F/4491	-	Trolley, heating, aircraft, Mk.1	
4F/5543	-	Trolley, heating, aircraft, Mk.2	
4F/4228501 to 4F/4228503	-	Adapters, A.V.S., Mk.1, 2 and 3	
4F/4229212	-	Trolley, compressor, air, Type "L", Mk.2A	
4F/4229286	-	Trolley, transporter, 6 K.W. metal rectifier	
4FA/3235	-	Trolley, air starting, L.P., Mk.4	
4FA/3962	-	Trolley, air starting, L.P. Mk.10	
4FE/3589	-	Trolley, Rectifier Type, servicing, electrical and starting, 40KW/112V, 6KW,28V	
or			
4FE/2394	-	Trolley, servicing, electrical and starting, 12-50 KW, 28/112V	
or			
4FE/6192	-	Trolley, servicing, electrical and starting, 10/40KW, 112V	
or			
4FE/2400	-	Trolley, servicing, electrical and starting, 12/50KW, 28/112V (I.C.E. driven)	
or			
4FE/2401	-	Trolley, servicing, electrical and starting, 12/50KW, 28/112V (electrically driven)	
4FE/3752	-	Converter, mobile, 30KVA, 200V, 3 phase 400 c.p.s.	
4FE/3975	-	Trolley, servicing, electrical, Houchin Type, 60KVA, 200/28V (electrically driven)	
or			
4FE/4426249	-	Trolley, servicing, electrical, Houchin Type, 60KVA, 200/28V (I.C.E. driven)	
4FE/4226019	-	Trolley, servicing, electrical, Mk.4	Remote dispersal airfields only
4G/2169	-	Ladder, step, 3 ft 6 in	
4G/3738	-	Ladder, flat top, Type B	
4G/4169 or 4420271	-	Cleaner, vacuum, heavy duty, Mk.1A or 1B	
4G/5371	-	Trolley, for can, fluid replenishing	
4G/5628	-	Platform, aircraft servicing, mobile, Mk.2	
-	4G/5682	Bridge piece, Mk.2	
4G/5641	-	Ladder, aircraft servicing, Giraffe Type, Model AA, Mk.2	
-	4G/5707	Ladder, extension, 4ft	

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TABLE 1 - (continued)

Ref.No.	Accessory Ref.No.	Description	Application
A.M.S.E.C. Scales (continued)			
	4G/4420546	Attachment brackets (1 set)	
	4T/152	Arm, towing	
4G/5809	-	Gauge, pressure, 0-10 lb/in ²	
4G/5874	-	Gauge, tyre, H.P.	
4G/6103	-	Mat, main plane, large	
4G/6269	-	Separator, tyre, screw type	
4G/6591	-	Rig, test, rotary actuator	
4G/7028	-	Adapter, inflation, Mk.6	
	4G/4421071	Adapter angle	
4G/7060	-	Transporter, window magazine	
4G/11015	-	Mats, radome, made as required	
4G/1047435	-	Pump, pressurizing	
4G/1047569	-	Can, fluid replenishing, Mk.2	
	4G/7199	Plate, identification, turbine fluid (S.Q.25)	
	4G/4420519	Plate, identification, fluid miscellaneous (A.L.8)	
	4G/4420520	Plate, identification, oil OX-38	
	4G/4420548	Half coupling	
4G/1050542	-	Inflator, tyre, H.P., Mk.1	
4G/1050581	-	Adapter, inflation, Mk.2	
	4G/4420032	Gauge, pressure, 0-600 lb/in ²	
	4G/4420034	Gauge, pressure, 0-3500 lb/in ²	
4G/1054066	-	Pump, tyre inflating, Type B	
	4G/1054065	Tube, rubber, Type C, 10ft	
4G/1075943	-	Gauge, pressure, 2-20 lb/in ²	
4G/4420005	-	Tray, drip	
4G/4420063	-	Set, test, hydraulic, Mk.1	
4G/4420122	-	Gauge, pressure, 0-40 lb/in ²	
4G/4420140	-	Rig, test, gauge, tyre pressure	
4G/4420153	-	Trolley, stowage, engine/P.P. cowlings	
4G/4420203	-	Ladder, aircraft entrance	
	or		
4G/8311	-		
4G/4420233	-	Mat, main plane servicing, Type C	
4G/4420283	-	Trolley, servicing, water/glycol	
4G/4420338	-	Plant, defrosting, fluid spraying, power operated	
4G/4420466	-	Can, fluid replenishing, pressurised, 10 gallon	
	4G/4420523	Plate, identification, hydraulic oil OM-15	
	4G/4420563	Adapter, 1/2 in male, B.S.P. x 3/8 in female, B.S.P.	
	4G/4420585	Adapter, 1/2 in male, B.S.P. x 1/4 in female elbow, B.S.P.	

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TABLE 1 - (continued)

Ref.No.	Accessory Ref.No.	Description	Application
A.M.S.E.C. Scales (continued)			
.	4G/4420840	Plate, identification, water/glycol	
.	27BA/8760	Half coupling	
.	27BA/8767	Nut, tube	
.	27BA/8794	Cap, blanking	
4G/4420479	.	Rig, test, linear actuator	
4G/4420533	.	Ladder, aircraft servicing, Giraffe Type, Model D4	
.	4G/4420545	Jib	
.	4G/4420556	Wheel set, transportation	
.	6F/282	Harness, safety	
4G/4420550	.	Platform, aircraft servicing, elevating, large	
4G/4420579	.	Rig, test, hydraulic components, Mk.2	
4G/4420925	.	Gauge, checking, 0-30 lb/in ²	
4G/4420995	.	Rig, inhibiting, universal, Mk.3	
4G/4421042	.	Cleaner, vacuum, aircraft, small	
4G/4421159	.	Rig, mobile, testing, alternator and C.S.D.	
4G/4421169	.	Level, dumpy (complete)	
4G/4429855	.	Rig, pressure, oil replenishment	
4GA/4409477	.	Trolley, bomb, Type F	
4GA/4409521	.	Transporter, bomb, airfield	
4GA/4409567	.	Cradle, bomb, 1 000 lb, septuple	
.	11A/4487179	Cover, protective, 1 000 lb bomb carrier	
4GB/4398926	.	Chock, main wheel	
4GB/4398927	.	Bar, locking, main wheel chocks	
4GB/4398928	.	Chock, nose wheel	
4GB/4398929	.	Bar, locking, nose wheel chocks	
4GB/4409857	.	Trestle, plane repairing	
4GD/5888	.	Trolley, H.P. air charging, Mk.2B	
4GD/4399012	.	Trolley, oxygen charging, Mk.2	
4GD/4399274	.	Oxygen charging unit	
4GD/4399282	.	Trolley, nitrogen charging, single cylinder	
4GD/4399288	.	Trolley, fuel replenishing, ground equipment	
4GD/4399289	.	Trolley, refrigerant replenishing	
4GD/4399300	.	Trolley, nitrogen charging, Mk.1A and 1B	
and 1051195	.	Apparatus, fuel tank servicing	
4K/2901	.	Trolley, mobile, fuel blending, Mk.2	
4K/3444	.	Hi-way staging access equipment	
4T/	.	Fly-away bomber kit	
4T/9016	.	Introscope kit	
4X/2754	.		

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TABLE 1 - (continued)

Ref.No.	Accessory Ref.No.	Description	Application
A.M.S.E.C. Scales (continued)			
-	4X/2034284	Retrograde viewing head	
-	4X/2034293	Battery, power supply	
5A/3580	-	Flare unit, sodium	
5A/1067377	-	Torch, electric, explosion proof	
5A/4345586	-	Floodlight, flameproof, 230V (trolley mounted)	
5A/4345596	-	Stand, electrical power distribution	
5A/4345668	-	Torch, electric, probe illuminator, Type C, complete	
5A/4345682	-	Light, headband, flameproof	
-	5A/4360	Key, special, dismantling	
5A/4349610	-	Floodlight, low voltage, fluorescent	
5A/4349619	-	Lamp, inspection, flameproof, Type J	
5A/4349657	-	Lamp, inspection, flameproof, Type K	
5A/4349680	-	Reel, cable extension	
5A/9723881	-	Blower, air, portable, Type D	
-	5A/4345348 or 4365664	Nozzle	
5D/4341130	-	Switch, auto-selector, box, resetting	
5G/560	-	Indicator, cocking test, 7 way	
5G/564	-	Tester, inverter, rotary	
5G/2923	-	Tester, bomb carrier, Mk.1	
5G/2998	-	Adapter, electrical servicing, 28V, 3 pin	
5G/3188	-	Rig, test, alternator and generator	
5G/3197	-	Set, test, bomb circuit, portable	
5G/3204	-	Set, test, J.P.T. control equipment	
5G/3217	-	Box, resistance decade	
5G/3243	-	Tester, constant frequency	
5G/3266	-	Set, test, alternator paralleling	
5G/3267	-	Tester, inverter and frequency changer	
5G/3294	-	Set, test, universal, thermo-electric	
5G/3361	-	Bank, loading, mobile	
5G/3393	-	Tester, servo, C.S.D. units	
5G/3421	-	Indicator, neon, electric, potential	
5G/3429	-	Detector, leak refrigerant, control box, Type HA	
5G/3442	-	Set, test, explosion suppression, Mk.2, major	
5G/3487	-	Set, test, fire wire detector, Graviner type	
5G/3627	-	Set, test, electrical comprehensive, K5	
5G/3678	-	Set, test, J.P.T. control equipment	
5G/3715	-	Indicator, phase rotation, Type 2	
5G/3733	-	Meter, time interval, Chronotron model 25E	

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TABLE 1 - (continued)

Ref.No.	Accessory Ref.No.	Description	Application
A.M.S.E.C. Scales (continued)			
5G/3759	-	Set, test, fault simulator	
5G/3760	-	Detector, voltage, Mk.6	
5G/4236	-	Set, test, fire-wire, triple F.D., Graviner T.1586	
5G/4326	-	Set, test, bombing systems, 11/12 and 12/24 way	
5G/1006388	-	Ohm-meter, safety, Mk.5	
-	5G/3386	Lead, test, explosion suppression system	
5G/9018429	-	Ohm-meter, safety, Mk.6	
5J/3264	-	Filler, battery, secondary	
5P/3119 or 4383252	-	Set, motor generator, 115V, 400 c.p.s.	
5P/3447 and 3559	-	Set, motor generator, 15KVA, 200V	
5P/3722	-	Set, motor, alternator, 3KW, 115V, 400 c.p.s., 3 phase	
5P/4383146	-	Set, motor generator	
5P/4383241	-	Set, motor generator, 6KW, 28V	
5P/4383367, 4383440 and 4383441	-	Sets, motor generator, 5KVA, 200V	
5P/4383610	-	Control, cabinet	
5P/4383671 and 4383295	-	Rectifier, Type 37 or 37A	
5Q/1003731	-	Meter, frequency, 300-500 cycles	
5QP/17447	-	Multi-meter, Type 12889	
5QP/1042059	-	Indicator, phase sequence	
5QP/4350395	-	Test-meter, transformer, current, 0-100 amps	
5QP/4350400	-	Ammeter, tong test, 0-20 amps	
5QP/4350401	-	Ammeter, tong test, 0-50; 0-100; 0-200 amps	
5QP/4350405	-	Meter, frequency, 1 200 - 2 000 cycles	
-	5QP/4350455	Filter, box, wave-form	
5QP/4350451	-	Voltmeter, moving iron, 0-150V A.C.	
5QP/4350462	-	Watt/Var-meter, clip on type	
5QP/9432134	-	Multi-meter, Model 2	
6C/1133 and 4360879	-	Valves, control, instrument testing	
6C/1164	-	Box, resistance, Mk.2	
6C/1206	-	Rig, test, torque, transformer, 115V, variac	
6C/1241	-	Set, test, fuel flowmeter, Mk.3	
6C/1812	-	Set, test, contactor, A.M.U., Mk.4B	
6C/1829	-	Manometer, quick reference	
6C/2147	-	Transmitter, pressure	

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TABLE 1 - (continued)

Ref.No.	Accessory Ref.No.	Description	Application
A.M.S.E.C. Scales (continued)			
-	6C/2096	Adapter, 1/8 in B.S.P.	
-	6C/2139	Adapter, gauge, 1/8 in B.S.P., female	
-	6C/2140	Adapter, gauge, 1/8 in B.S.P., right angle	
-	6C/4360876	Adapter, 1/4 in B.S.P., sperical male	
-	6C/4360877	Adapter, 5/8 in B.S.P.	
-	6C/4360900	Adapter, gauge, 3/8 in B.S.P.	
-	6C/2141	Case, stowage	
6C/2163	-	Set, test, synchro, T.A.S. unit	
6C/3057	-	Set, test, operating leads, type M, Y and hydrostatic	
6C/1041378	-	Equipment, test regulator, demand, oxygen pressure, tube, metering	
-	6C/4360474	Tester, flow, Mk.5A	
6C/1042139	-	Set, test, pitot static system, force balance type	
6C/1042444	-	Compass, datum	
-	6C/1042452	Tripod	
6C/1051749	-	Table, gyro, instrument test, Mk.4A	
6C/1075124	-	Pump, high vacuum, aneroid testing	
6C/1104682	-	Bath, low temperature, testing	
6C/1106745	-	Flowmeter, air	
6C/1106746	-	Flowmeter, air	
6C/1925549	-	Calibrator, pressure gauge, Mk.3	
6C/4199359	-	Set, test, auto-pilot, Mk.10A	
6C/4199400	-	Table, precision, rotary surface	
-	6C/1502	Stand, for 6C/4199400	
6C/4199444	-	Set, test, Military Flight System	
6C/4360494	-	Chamber, vacuum, Mk.6	
6C/4360548	-	Set, test, pitot static systems	
-	6C/4360660	Reservoir, air	
6C/4360556	-	Set, test, gauges, fuel contents, Smith Waymouth type	
6C/4360557	-	Micromanometer, null reading, Mk.1	
6C/4360563	-	Set, test, exhaust gas thermometer	
6C/4360572	-	Calibrator, tachometer, Mk.2	
6C/4360604	-	Stand, test, regulator, demand type, oxygen, Mk.2	
-	6C/1166	Rotometer, flow tester	
6C/4360628	-	Tester, differential pressure	
-	6C/4360661	Chamber, connection, 2 terminal	
-	6C/4360717	Chamber, connection, 12 terminal	

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TABLE 1 - (continued)

Ref.No.	Accessory Ref.No.	Description	Application
A.M.S.E.C. Scales (continued)			
	-	Rig, test, Mk.2, cabin pressure, control equipment consisting of:-	
6C/4360662	-	Indicator, altitude	
-	6C/4360663	Stand, service	
-	6C/2120	Rig, leak test	
6C/4360859	-	Compressor, Mk.4	
6C/4360861	-	Barometer, mercury, Mk.2	
6C/4360864	-	Filter, adapter	Test equipment for artificial horizon Mk.6 series
6C/4360865	-	Box, test, electrical	
6C/4360895	-	Hydrometer	For aviation fuel sampling tests
	6C/1325	Container	
	6C/2194	Case	
6C/4360896	-	Set, test, pitot static system (Newmark type)	
6C/4360901	-	Fixture, test, pitch and roll, universal	
6C/4360903	-	Barometer, precision, portable	
6C/4360904	-	Set, test, autostabilisation, output	
6C/4360907	-	Gauge, pressure, differential, 0-50 lb in ²	
6C/4360918	-	Tester, oxygen flow	
6C/4360921	-	Set, test, precision, variable capacitor	
6C/4361129	-	Stand, test, bomb sights, gyro	
6C/4361144	-	Set, test, frequency response, Mk.2	
-	6C/3108	Box, adapter	
6C/4361145	-	Collimator, c/w stand	For servicing periscope sextants Mk.2 series
-	6C/4361146	Stand, tilt	
-	6C/4361147	Adapter	
6C/4361162	-	Tester, pressure	
6C/4361190	-	Set, test, gauges, fuel contents, Smith Waymouth, QC 208	
6C/4361208	-	Set, test, gauges, fuel contents, Smith Waymouth, QC 251	
-	6C/4360573	Adapter	
-	6C/4360706	Cable, double Pye, co-axial	
6C/4369674	-	Set, test, MRG, Mk.2	
6C/4199422	-	Power control unit	For testing master reference gyro system
6C/4369693	-	Meter, R and Q, Type TE/880/2	
6C/4370232	-	Systems, test console, MRG, Mk.2	
6C/9542399	-	Compass, prismatic, pattern 2	
-	6C/1196499	Case, transit	
-	6C/9542398	Tripod, pattern 41	

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TABLE 1 - (continued)

Ref.No.	Accessory Ref.No.	Description	Application
A.M.S.E.C. Scales (continued)			
6C/	-	Rig, test, demand, emergency oxygen equipment	
6C/	-	Test equipment, Smiths autopilot, Mk.10 B/C	
6D/1702	-	Regulator, charging, Mk.3	
6D/2169	-	Hose assembly, oxygen mask, Mk.2	
6D/2351	-	Regulating unit, pressure	
-	4G/1054065	Assembly, hose	
6Z/9491562	-	Radiac, set, Type 1320X, No.2, Mk.1	
9/	-	Test equipment, T3, T4, T4A and T4B bomb sights	
9/4589	-	Tester, T4 bombsight	
9CA/	-	Test equipment, Inertia Navigation systems	
10G/20001	-	Equipment, intercomm., a/c servicing	
-	10K/	Unit, power	
-	10U/	Unit, loudspeaking	
10S/9131419	-	Counter, electronic, Type CT.436	
10S/9138618	-	Oscilloscope, Type CT.436	
11A/4486905	-	Tester, release unit No.3, Mk.3	
-	11A/4486909	Gauge, link mechanism, Mk.1	
11A/4486966	-	Tester, release unit	
11A/7034	-	Spanner, piston cap	
11A/7035	-	Tool, throttle assembly	
11A/4489871	-	Spanner, piston	
11A/4489874	-	Tool, throttle, extractor	For release unit servicing
11A/4489875	-	Tool, throttle, positioning	
11A/4489876	-	Adapter, breech nut	
11A/4489877	-	Pin, safety, ground	
11A/4489878	-	Tool, cocking release	
11A/4489879	-	Tool, throttle, dummy	
16C/4741	-	Jack, hydraulic, lifting, 8 ton	
21F/4420976	-	Trolley, fire extinguisher	
27C/1926	-	Manometer	For servicing liferaft and flying clothing
27KC/1564	-	Rig, test, powered flying control	

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TABLE 2

FLIGHT TOOL KIT

Ref.No.	Part No.	Description	Application
<i>Wheels and brakes - Dunlop parts</i>			
27A/3667	AM20065	Mandrel and gap gauge	Locating ring alignment - main wheel
27A/3943	AO101984	Tool, universal	Lockring removal - main and nose wheels
26DC/95356	A10195	Extractor	Main wheel
27G/6222	AO102975	Spanner key	Cylinder liner - brakes
27G/6221	AM20676	Spanner, peg	Torque tube units - brakes
27G/6246	AO104181	Extractor	Brake piston
27G/6215	AO102435	Gauge	Tenon wear check - brakes
27G/6212	A10366	Fixture	Brake alignment
27G/6223	A10500	Tool, extracting, loading and checking	Spring housing - brakes
-	AM.20752	Adapter rings	
27G/6213	AO103401	Gauge	Pad wear - brakes
-	A4793	Extractor	Nose wheel
4G/6109	A10351	Frame	Basic equipment
-	AM20895	Adapter	Inner flange removal
-	A10329	Rings	Associated equipment
27G/2927	AM21347	Tool	Maxaret tyre removal and assembly
27A/4251	AO104275	Tool	Removal of spacer ring main wheel
<i>Lighting gear - Dowty parts</i>			
-	ST2112	Spanner, key	Main wheel unit axle nut
-	ST2750	Spanner, key	Nose wheel unit axle nut
-	ST111 Mk.31	Bar, tommy	Use with ST2112 and 2750
-	ST1657	Tool, resetting	U/C switch
-	ST2034	Adapter, charging	Hydraulic separator
<i>Ejection seats - Martin Baker parts</i>			
27L/936	A/MBEU/6146	Spanner	Cartridge
27L/96	O/MBEU/1359	Spanner	Inner piston
27L/95	B/MBEU/1360	Spanner	Locking ring
27L/486	A/MBEU/3965	Clamp	Outer
27L/98	O/MBEU/1321	Tool	Gear cocking
27L/186	O/MBEU/3669	Gauge	Firing pin protrusion check
27L/1304	A/MBEU/10240	Tester	"G" switch
27L/1395	O/MBEU/13935	Tool, release	Top latch plunger
27L/1302	O/MBEU/10358	Spanner	Lock plunger cap
27L/1345	B/MBEU/11038	Tool	Cocking Mk.4. Time release
27L/586	A/MBEU/4341	Tool	Drogue gun cocking
27L/470	A/MBEU/3968	Spanner	Auxiliary breech cap
27L/534	A/MBEU/129	Tool	Canopy jettison unit
27L/706	A/MBEU/5826	Tool	Cartridge extractor
27L/1300	O/MBEU/10617	Spanner	Top-cap-canopy jettison gun

TABLE 2 - (continued)

Ref.No.	Part No.	Description	Application
<i>Miscellaneous - parts</i>			
26DC/95161	1/Z7306	Extractor	Bomb door mechanism pin
26DC/95059	1/Z7323	Spanner	Outer wing attachment bolts
26DC/95161	1/Z9139	Tool, hand crimping	Electrical
26DC/95162	1/Z9140	Die, crimping	Electrical
26DC/95114	1/U1189	Pin, setting	Air brakes
26DC/95160	1/D10232	Plate, blanking	Relief valve, forward pressure bulkhead
-	1/Z9981	Spanner, peg special	Graviner fuze holder
-	1/Z9426	Spanner	Windscreen de-icing tank filler cap
-	1/Z9251	Extractor	Brake parachute shear-pin
26DC/95354	1/Z8597	Key, special	A.R.I. 18051
26DC/95300	1/Z9306	Kit, hand press	Ball race securing washers
26DC/95567	1/U2068	Tool, special	To close or control the opening - parachute door
-	1/U1650	Tool, setting	Entrance door lock
-	1/Z9484	Spanner	Auxiliary fuel pump-union adapters
26DC/95355	1/Z9662	Pliers, special	Electrical fuse removal
-	1/Z9692	Key, special	Electrical, main fuse carrier screws
-	2/Z9862	Spanner, claw - 1.67 in. A/F	} Pipe couplings
-	3/Z9862	Spanner, claw - 1.20 in. A/F	
-	4/Z9862	Spanner, claw - 1.10 in. A/F	
-	5/Z9862	Spanner, claw - 1.01 in. A/F	
-	6/Z9862	Spanner, claw - 0.82 in. A/F	
-	7/Z9862	Spanner, claw - 0.60 in. A/F	
-	8/Z9862	Spanner, claw - 0.525 in. A/F	
-	9/Z9862	Spanner, claw - 0.710 in. A/F	
-	1/Z9865	Tool, beading	
-	1/Z10084	Tool gauge - u/c micro switch	
26DC/95420	1/Z10235	Die, crimping	For 188.24 amp. ferrule
-	1/U1491	Plug	For P.F.C. unit breather
<i>Standard parts</i>			
5X/4662	-	Tool, crimping, heavy duty	Electrical
3A/3304	-	Press unit, hydraulic, crimping, (portable)	Electrical
27UA/1253	-	Syringe	Plannair blower lubrication
4G/6246	-	Adapter, inflation, Mk.2	
1L/50	-	Ratchet, handle 1/2 in. sq. drive	C.S.D. attachment
1L/40	-	Bar extension 1/2 in. sq. drive 12 in. long	
1L/28	-	Spanner, double ended open jaw - 0 B.A. x 2 B.A.	
1L/154	-	Spanner, double ended open jaw - 1/8 in. x 3/16 in. Whit.	
1L/24	-	Spanner, double ended open jaw - 3/16 in. x 1/4 in. Whit.	
1L/25	-	Spanner, double ended open jaw - 5/16 x 3/8 Whit.	
1L/26	-	Spanner, double ended open jaw - 7/16 in. x 1/2 in. Whit.	
1L/59	-	Spanner, double ended open jaw - 9/16 in. x 5/8 in. Whit.	
1L/73	-	Spanner, double ended open jaw - 11/16 in. x 3/4 in. Whit.	
1L/76	-	Spanner, double ended open jaw - 7/8 in. x 1 in. Whit.	

V.2.1A. 1125

TABLE 2 - (continued)

Ref.No.	Part No.	Description	Application
4G/5874		Gauge, A/C tyre pressure check	
4G/5970		Inflator, A/C tyre, automatic	
<i>P.F.C. units - Boulton Paul parts</i>			
1B/4467		Gun, charging	Replenishing P.F.C. units
27KC/3004	P/100-88-79	Adapter, charging	
<i>Hydraulic systems - Avery parts</i>			
-	AVA127B	Spanner, C, single end, ¼ in.	Self-sealing coupling
-	AVA127C	Spanner, C, single end, 3/8 in.	Self-sealing coupling
-	AVA127D	Spanner, C, single end, ½ in.	Self-sealing coupling
-	AVA127E	Spanner, C, single end, 5/8 in.	Self-sealing coupling
-	AVA127F	Spanner, C, single end, ¾ in.	Self-sealing coupling
-	AVA.127H	Spanner, C, single end 1 in.	Self-sealing coupling
-	AVA.127K	Spanner	
<i>Dunlop parts</i>			
-	AM20616	Adapter	Brake bleeding
-	ACO5928	Clamps, bleed	Pressure release valve
<i>Fuel system - A.V. Roe parts</i>			
26DC/95126	1/Z7945	Spanner, special	Refuelling valve ring-nuts No.1 to 7 tank inclusive
26DC/95127	1/Z7946	Spanner, cranked, 60 deg.	Main feed and refuelling valve connections - No.1 to 7 tank
26DC/95128	1/Z7947	Spanner, cranked	Main feed and refuelling valve connections - No.1 and No.7 tank
26DC/95129	1/Z7948	Spanner, cranked, 7½ deg.	Transfer pump non-return valve sumps - No.1 to 7 tank
26DC/95130	1/Z7949	Spanner, cranked, 7½ deg.	Main feed and refuelling valve connections - all tank sumps
26DC/95131	1/Z7952	Spanner, straight, open end, single jaw	Y-connector in wing
26DC/95132	1/Z7953	Spanner, straight, open end, single jaw	Transfer pump, non-return valve No.1 and No.7 tank sumps
26DC/95133	1/Z7954	Spanner, straight, open end, single jaw	Main feed and refuelling valve connections No.1 to No.7 tanks
26DC/95144	1/Z8535	Spanner	Flight refuelling coupling 1¼ in. dia. pipe
26DC/95141	1/Z8657	Spanner	Flight refuelling coupling 2½ in. dia. pipe
26DC/95142	1/Z8658	Spanner	Flight refuelling coupling 2 in. dia. pipe
26DC/95143	1/Z8659	Spanner	Flight refuelling coupling 1½ in. dia. pipe
26DC/95352	1/Z9496	Spanner	Flight refuelling coupling 3½ in. dia. pipe
26DC/95353	1/Z9497	Spanner	Flight refuelling coupling 4 in. dia. pipe
26DC/95353	1/Z9498	Spanner	Auxiliary fuel pump pipe connections

RESTRICTED

TABLE 2 - (continued)

Ref.No.	Part No.	Description	Application
<i>Engine mounting - Britool parts</i>			
◀ -	AD525	Spanner, long, bi-hexagonal 1/4 in. Whit.	Engine mounting bolts and nuts ▶
-	AD600	Spanner, long, bi-hexagonal 5/16 in. Whit.	
-	A91	Universal joint	
26DC/95123	1/Z7682	Bar, extension	
-	1/Z10356	Spanner, ratchet, special	

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