

CHAPTER 4
GENERAL SERVICING
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WARNING

An aircrew ejection seat is fitted to this aircraft. Before attempting to enter the cabin, therefore, ensure that the instructions given in the Ejection Seat Warning,

following the Introduction at the beginning of this volume, have been carried out. In the interests of safety, this is very important.

ENGINE

It is essential to ensure that the air-intake safety guards, (Sect.2, Chap.1) are fitted at all times when the engine is ground run and that personnel are instructed to keep well clear of the air intakes and jet exhaust.

Introduction

1. This chapter contains information on the general servicing of the complete aircraft, together with tables listing the Standard and Special Ground Equipment and the Special Tools required for the operations described. This special equipment has been designed to eliminate any possibility of damage and distortion occurring during servicing and should, therefore, be used in preference to other types

of similar equipment, as otherwise the efficiency of the aircraft may be seriously impaired. When carrying out servicing operations, ensure that the air intake and jet pipe blanking boards are in position. Other covers or protective devices should also be fitted, providing they do not impede the progress of the work in hand. Servicing, dismantling and lubricating information applicable to particular assemblies and installations is covered in the appropriate chapters of Sections 3, 4, 5, 6 and 7. The servicing procedure for the standard components installed in this aircraft will be found in the relevant Air Publications listed at the beginning of this volume.

Standard and special ground equipment

2. The ground equipment provided for use when servicing this aircraft is given in table 1 below:-

TABLE 1
Standard and special ground equipment

Subject	Ref. No.	Part No.	Description	No. Off	Application
TOWING AND STEERING EQUIPMENT	4G/4175	-	Arm, towing short	1	Towing from spools on nose wheel.
	4G/3070	-	Arm, steering short	1	Steering from spools on nose wheel.

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TABLE 1 - Standard and special ground equipment - contd.

Subject	Ref. No.	Part No.	Description	No. off	Application
	4G/4176	-	Adjustable fork unit Mk.1	1	Used with 4G/4175 and 4G/3070
	4G/4137	-	Bridle, towing	1	Backward towing from main undercarriage
JACKING EQUIPMENT	4Q/2617	-	Jacks, lifting 5 ton	3	-
	4Q/2620	-	Trestle legs, Mk.3	2	Main jacking under wing used with 4Q/2617
	4Q/2618	-	Trestle legs, Mk.1	1	Main jacking under nose, used with 4Q/2617.
	4Q/2305	-	Jack adapter head, Mk.13	3	For use with 4Q/2617
	4Q/1229 or 4Q/2604	-	Jack, pillar hydraulic 4 ton	1	Wheel changing, nose and main
	4Q/2594	-	Jack adaptor head Mk.42	1	For use with 4Q/1229 or 4Q/2604
	26FX/ 95001	B.188230	Pads, jacking, wing	2	-
	26FX/ 95002	B.191156	Pads, jacking, nose	1	-
	26FX/ 95003	A.188133	Bracket, nose wheel undercarriage	1	Nose wheel change
	26FX/ 95004	F.191165	Bracket, main wheel undercarriage	1	Main wheel change

RESTRICTED

TABLE 1 - Standard and special ground equipment - contd.

Subject	Ref. No.	Part No.	Description	No. Off	Application
TRESTLING EQUIPMENT	4G/-	-	U.J. trestle No.1	4	Component trestling
	4G/-	-	U.J. trestle No.6	4	Component trestling wing
	26FX/ 95041	C.190878	Cradle, trestle forward rear fuselage	1	-
	26FX/ 95042	C.190877	Cradle, trestle, aft rear fuselage	1	-
	26FX/ 95018	C.189916	Cradle, trestle, forward front fuselage	1	For use with U.J. trestle No.1.
	26FX/ 95019	C.189917	Beam, aft trestle centre fuselage	1	For use with U.J. trestle No.1
	26FX/ 95020	C.190377	Cradle, trestle Centre fuselage	2	For use with U.J. trestle No.1.
	26FX/ 95050	B.189929	Strut, bracing, front fuselage cradle	2	-
	26FX/ 95051	B.190944	Strut, bracing rear fuselage cradle	2	-
	26FX/ 95052	A.189921	Clip, anchorage, nose wheel leg.	2	-
26FX/ 95053	A.189922	Link, nose wheel anchorage clip	1	-	
26FX/ 95234	B.199253	Strut, bracing rear fuselage	1	For use when removing gun package	

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TABLE 1 - Standard and special ground equipment - contd.

Subject	Ref. No.	Part No.	Description	No. off	Application
	26FX/ 95022	D.194044	Cradle, trestling wing inboard	2	-
	26FX/ 95023	D.194045	Cradle, trestling wing, outboard	2	-
SLINGING EQUIPMENT	26FX/ 95011	D.188575	Sling, complete aircraft and centre fuselage	1	-
	26FX/ 95134	D.194417	Sling, aircraft salvaging	1	For use when engine is installed
	26FX/ 95221	D.200201	Sling, aircraft salvaging	1	For use when engine is removed
	26FX/ 95015	C.189918	Sling, front fuselage	1	-
	26FX/ 95013	C.190880	Sling, rear fuselage	1	Less fin, rudder and tail plane
	26FX/ 95014	C.188900	Sling, wing	1	-
	26FX/ 95222	C.199388	Sling, outer wing, for vertical chord lifting	1	-
	26FX/ 95016	B.190526	Sling, tail plane fin and rudder	1	-
	26FX/ 95036	B.177142	Lifting spigot for gun package	2	-

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TABLE 1 - Standard and special ground equipment - contd.

Subject	Ref. No.	Part No.	Description	No. off	Application
	26FX/ 95037	C.177141	Sling, gun package	1	-
		-	Sling, engine	1	Rolls-Royce
	26FX/ 95040	B.189215	Sling, tail empennage	1	-
	26FX/ 95049	C.190378	Sling, centre fuselage	1	-
ENGINE REMOVAL AND REPLACEMENT		C.200113	Trolley, engine installation	1	-
	26FX/ 95046 95423	B.202832	Rail, engine detachable	1	-
		D.203762	Cradle adapter - engine installation trolley		-
RIGGING EQUIPMENT	26FX/ 95005	C.191642	Gauge, incidence main plane	1	-
	26FX/ 95006	A.192534	Gauge, dihedral main plane and tail plane	1	-
		B.201624	Gauge, incidence tail plane	1	-
	26FX/ 95144	D.199059	Rigging fixture	1	For retaining control surfaces in neutral position

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TABLE 1 - Standard and special ground equipment - contd.

Subject	Ref. No.	Part No.	Description	No. Off	Application
	26FX/ 95142	B.199011	Bar, levelling	1	-
	26FX/ 95143	F.198704	Spigot, levelling	2	-
	-	A.201222	Bar, levelling (longitudinal)	1	-
MISCELLANEOUS SPECIAL EQUIPMENT	26FX/ 95024	D.192920	Guard, safety air intake, port	1	-
	26FX/ 95025	D.192921	Guard, safety air intake, stbd.	1	-
	26FX/ 95026	D.197865	Blanking board, air intake, port	1	-
	26FX/ 95027	D.197866	Blanking board, air intake, stbd.	1	-
			Blanking board, jet outlet	1	-
	26FX/ 95029	C.191636	Lock, safety, main undercarriage	2	-
	26FX/ 95030	B.188480	Lock, safety, nose undercarriage	1	-
	26FX/ 95031	Dunlop A.5321	Extractor, main wheel	1	-
	26FX/ 95032	Dunlop A.5826	Extractor, nose wheel	1	-

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TABLE 1 - Standard and special ground equipment - contd.

Subject	Ref. No.	Part No.	Description	No. Off	Application
	26FX/	Dunlop A.5322	Brake alignment fixture	1	-
		C.200058	Trolley, tail empennage	1	To facilitate engine removal
	26FX/ 95136	D.202713	Pilot's ladder	1	Access to cockpit
	27D/ 2916	B.194025	Weather cover, cabin.	1	-
	27D/ 2963	-	Cover, pressure head	1	-
	27D/-	B.194026	Weather cover, gun package	1	-
			Weather cover, centre fuselage, port.	1	-
			Weather cover, centre fuselage, stbd.	1	-
	27D/-	C.199120	Bungs, case chutes	1	-
	27D/-	C.199121	Bungs, link chutes	1	-
MISCELLANEOUS STANDARD EQUIPMENT	4F/1714	-	Trolley, pressure cabin testing Mk.1C	1	-
	4G/4220	-	Trolley, oxygen charging Mk.2	1	-
		-	Trolley, radar cooling and testing	1	-

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TABLE 1 - Standard and special ground equipment - contd.

Subject	Ref. No.	Part No.	Description	No. off	Application
	4F/1685	-	Trolley, hydraulic servicing Mk.2	1	-
	4G/4221	-	Trolley H.P. air charging Mk.2	1	-
	4F/1690	-	Trolley, electrical testing Mk.1A	1	-
	5P/2908	-	Rectifier, metal transportable Type 37	1	-
	105G/11	-	Adapter	1	-
	4G/3966	-	Mats, main plane	2	-
	4G/3360	-	Hoists, Type C	3	Hoisting gun package
	4G/-	-	Trunnion attachment No.4	3	Used with 4G/3360
		-	Stand, engine preparation	1	Rolls Royce
PICKETING AND CONTROL LOCKING EQUIPMENT	26FX/-	B.191910	Picketing fitting, main undercarriage	2	Main picketing and rearward towing from main undercarriage (embalmed aircraft only)
	26FX/	A.191716	Picketing fitting nose undercarriage	1	Main picketing at nose wheel (embalmed aircraft only)

TABLE 1 - Standard and special ground equipment - contd.

Subject	Ref. No.	Part No.	Description	No. Off	Application
	26FX/ 95203	F.159908	Picketing fitting tail	1	Secondary picketing
	26FX/ 95205	A.176437	Shackle, picketing main undercarriage	2	-
	26FX/ 95204	A.176434	Shackle, picketing nose undercarriage	1	-
	26FX/ 95135		Flying control locking gear	1	-
	26FX/ 95137	C.189263	Aileron locking plates	2	-
	26FX/ 95139	B.189267	Rudder locking plate	1	-
	26FX/ 95138	C.192836	Elevator locking gear	2	-
		C.202048	Flying controls rigging locks	-	-

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Special tools

3. The special tools provided for use when servicing this aircraft are given in table 2 below:-

TABLE 2 - Special tools

Ref. No.	Part No.	Description	No. Off
26FX/95201	D.197310	Tool, lifting for 30 mm. Aden gun	1
26FX/95043	A.183955	Key, barrel catch release for gun package	4
26FX/95153	B.196709	Spanner for front gun nut	1
26FX/95044	B.183954	Tool, locking for gun package	2
26FX/95157	A.193753	Sight, front, port	1
26FX/95158	A.193754	Sight, front, starboard	1
26FX/95159	A.193755	Sight, rear	2
26FX/95152	A.193839	Key, locking at gun package	2
26FX/95058	A.191552	Extractor, main spar joint pins	1
26FX/95059	A.191655	Extractor, rear spar joint pins	1
26FX/95140	B.198963	Extractor, for front spar wing joint bush	1
26FX/95141	B.198962	Extractor, for rear spar wing joint bush	1
26FX/95080	B.191654	Tool for undercarriage up lock	1
26FX/2726	A.195020	Adapter union for pressure gauge	1
26FX/95161	A.192253	Bar, gun sight alignment, front	1

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TABLE 2 - Special tools - contd.

Ref. No.	Part No.	Description	No. Off.
26FX/95162	A.199254	Bar, gun sight alignment, rear	1
26FX/95150	B.192679	Tool, gun barrel centralising	1
26FX/95151	C.196305	Tool, gun removing	1
26FX/95154	B.199592	Tool, belt removal	1
27Y/5000	S.B.A.C. RS.181/45	Spanner, front gun mounting retaining ring	1
27Y/2373	S.B.A.C. RS.181/32	Spanner, barrel support retaining ring	1
26FX/95086	A.194464	Guide for fuel tank vent connector	2
26FX/95133	A.197537	Key for hydraulic reservoir	1
26FX/95083	A.195014	Alignment jig for gate valve	1
26FX/95087	A.194634	Spanner for Dunlop brake adjustment	1
26FX/95081	B.194717	Spanner for re-fuelling valve, forward	1
26FX/95082	B.194718	Spanner for re-fuelling valve, centre	1
-	-	Spanner - Acratork Mk.6 - Model B.3	
26FX/95084	A.194729	Spanner for fuel system extension, rear fuselage	1
-	B.204233	Spanner - crutching (Drop tank assembly)	

TABLE 2 - Special tools - contd.

Ref. No.	Part No.	Description	No. Off
26FX/95163	A.197766	Spanner for hydraulic system	1
26FX/95165	A.197767	Spanner for hydraulic system	1
26FX/95166	A.197768	Spanner for hydraulic system	1
26FX/95164	F.199124	Spanner for hydraulic system	1
26FX/95223	B 200521	<i>Tool, assembly transport joint spigots</i>	1
7R/292	-	Gun aligning instrument	1
7R/293	-	Case for gun aligning instrument	1
	A.201955	Spanner - Main fuel delivery joint.	
	Z.4948	Spanner for rear fuselage transport joint nuts.	

Order of dismantling and assembly

4. The breakdown points for dismantling the aircraft are shown in fig.1, together with the dimensions and weights of the principal components. The recommended order of dismantling is as follows:-

- (1) Jack up the aircraft (fig.4) and retract the alighting gear.
- (2) Position the components trestles to fully support the aircraft (fig.4).
- (3) Remove the outer wings, (Sect.3, Chap.2) after removing any external stores which may be fitted.

NOTE...

The flaps, ailerons and universal pylons if fitted, may be removed after the wings have been dismantled from the fuselage.

- (4) Remove the rear fuselage (Sect.3, Chap.1).

NOTE...

The rudder, elevators and tail plane (Sect.3, Chap.3) may be removed before or after the rear fuselage is removed from the centre fuselage.

- (5) Remove the engine (Sect.4, Chap.1).
- (6) Remove the front fuselage (Sect.3, Chap.1).

- (7) Remove the fuselage nose portion if necessary (Sect.3, Chap.1).

The assembly of the principal components is, in general, a direct reversal of the above procedure.

Access doors and panels

5. The location of the access doors and removable panels are shown in fig.2, the components to which they give access being given in the key. When handling the doors and panels, care should be taken to ensure that they are not damaged or distorted in any way. When re-fitting them, ensure that they fit flush with the surrounding surface and that they are secure and effectively locked.

Toggle fasteners

6. Certain removable panels are secured in position by toggle fasteners (Fig.3). To open these fasteners, the catch lever (1) marked PUSH is depressed with the forefinger, causing the hook integral with this lever to disengage from pin (2) in the toggle lever (3), withdrawing it from the housing and thus disengaging the fastener. For re-engagement, the hooks on the end of the toggle lever are engaged in the recess and the lever pressed home with the palm of the hand. Adjustment is accomplished by screwing up or unscrewing the links (4), after first slackening off the grub screw (5) on the side face of the links. One turn of the thread on the links gives 0.036 in. of adjustment and the total adjustment available is 0.5 in. When adjustment is satisfactory, the grub screw must be re-tightened.

NOTE...

The grub screw must be slackened off before adjustment, as otherwise the threads will be damaged.
The grub screw must be re-tightened after adjustment.

Jacking, trestling and slinging

7. The methods to be employed and the jacks, trestles and support beams, etc. to be used when jacking, trestling and slinging the complete aircraft for servicing are illustrated in fig.4. It should be noted that the fuselage jacking pad has a concave bearing surface and must not be interchanged with

'ace.

NOTE...

Before lowering the aircraft off the jacks, the procedure given in Sect.3, Chap.5, fig.14 must be carried out. This is important."

by means of the diagonal dimensions given in fig.5, there is not need to trestle the aircraft. When the incidence and dihedral are being checked, the aircraft must be trestled in the flying position, with the equipment shown in fig.4. The procedure for rigging is as follows:-

- (1) Check the alignment of the structure.
- (2) Jack up the aircraft and level it transversely, by means of the levelling bar Pt. No.B.199011 and spirit level placed across the hood rails.
- (3) Place a levelling spigot Pt. No.F 198704 into each of the levelling points attached to the fuselage structure in the port wheel bay and level the aircraft longitudinally with a straight edge and spirit level placed across these two spigots.
- (4) Check the incidence and dihedral of the wings, using the gauges quoted in table 1.
- (5) Check the incidence and dihedral of the tail plane, using the gauges quoted in table 1.

The adjustment of the individual control surfaces is described in Sect.3, Chap.4.

Miscellaneous drain points

9. A series of small drain holes, (Sect.3, Chap.1) are provided in the undersurface of the fuselage to allow any moisture and surplus fuel, which may accumulate to drain away. Surplus fuel from the high-pressure cock, combustion chambers and the exhaust unit is conducted through pipes to eject at the bottom of the fuselage. All the drain holes should be inspected periodically to ensure that they are not blocked, otherwise an accumulation of fuel with its resultant fire risk may arise. Small cocks are provided at the lowest points of the fuel system, together with a drain plug in the engine fuel filter casing, to enable any water or sediment to be drained from the fuel; for their location and method of use, reference should be made to Sect.2, Chap.2. Moisture drain traps are also provided in the pressure head installation and these are

described in Sect.5, Chap.2 of this publication.

Cleaning sliding hood

10. When cleaning or polishing the sliding hood, care must be taken to ensure that no rags that have been in contact with trichlorethylene are used, as rags so contaminated will cause serious damage to the surface. Refer to A.P.1464D, Vol.1, Part 2, Sect.5, Chap.5, for detailed instructions on the care of transparent plastic panels.

Cleaning cabin

11. When wiping over those portions of the cabin instrument panels, shelves etc., that contain labels, only clean dry rags should be used. Many of these labels will suffer damage if rags impregnated with fuel, grease solvent or thinners are used.

TABLE 3 Packing dimensions (Refer to Fig.1)

Component	Height	Width	Length	Weight Lb.
Nose piece	2ft. 7 $\frac{1}{2}$ in.	2ft. 4 $\frac{1}{2}$ in.	2ft. 5 $\frac{1}{2}$ in.	15
Front fuselage	5ft. 6 $\frac{3}{4}$ in.	4ft. 8 $\frac{1}{2}$ in.	12ft. 7in.	480
Centre fuselage	5ft. 0in.	10ft. 0in.	16ft. 0in.	-
Rear fuselage	6ft. 9in.	4ft. 2 $\frac{1}{2}$ in.	15ft. 0in.	-
Tail cone	3ft. 6 $\frac{1}{2}$ in.	3ft. 2in.	3ft. 6 $\frac{1}{2}$ in.	-
Wing	2ft. 1in.	11ft. 4in.	19ft. 8in.	-
Rudder	5ft. 2in.	8in.	2ft. 0in.	35

TABLE 3 Packing dimensions (Refer to Fig.1) -- contd.

Component	Height	Width	Length	Weight Lb.
Fin	6ft. 0in.	7 $\frac{1}{2}$ in.	4ft. 10in.	60
Tailplane	6 $\frac{1}{2}$ in.	7ft. 11in.	11ft. 10in.	206
Elevator	9in.	1ft. 11in.	7ft. 8in.	67 $\frac{1}{2}$
Aileron	5in.	2ft. 7in.	8ft. 8in.	75
Flap	5in.	2ft. 7in.	7ft. 6in.	70
Wing tip	7in.	10 $\frac{1}{2}$ in.	5ft. 4in.	6
Hood	1ft. 10in.	2ft. 4in.	4ft. 1 $\frac{1}{2}$ in.	75
Gun package	3ft. 6in.	3ft. 9in.	3ft. 10in.	315
Bullet fairing	10 $\frac{1}{2}$ in.	9in.	3ft. 5 $\frac{1}{2}$ in.	5

NOTE...

Dimensions given are to the nearest quarter of an inch. The weight of component is for a single item unless specifically stated otherwise.

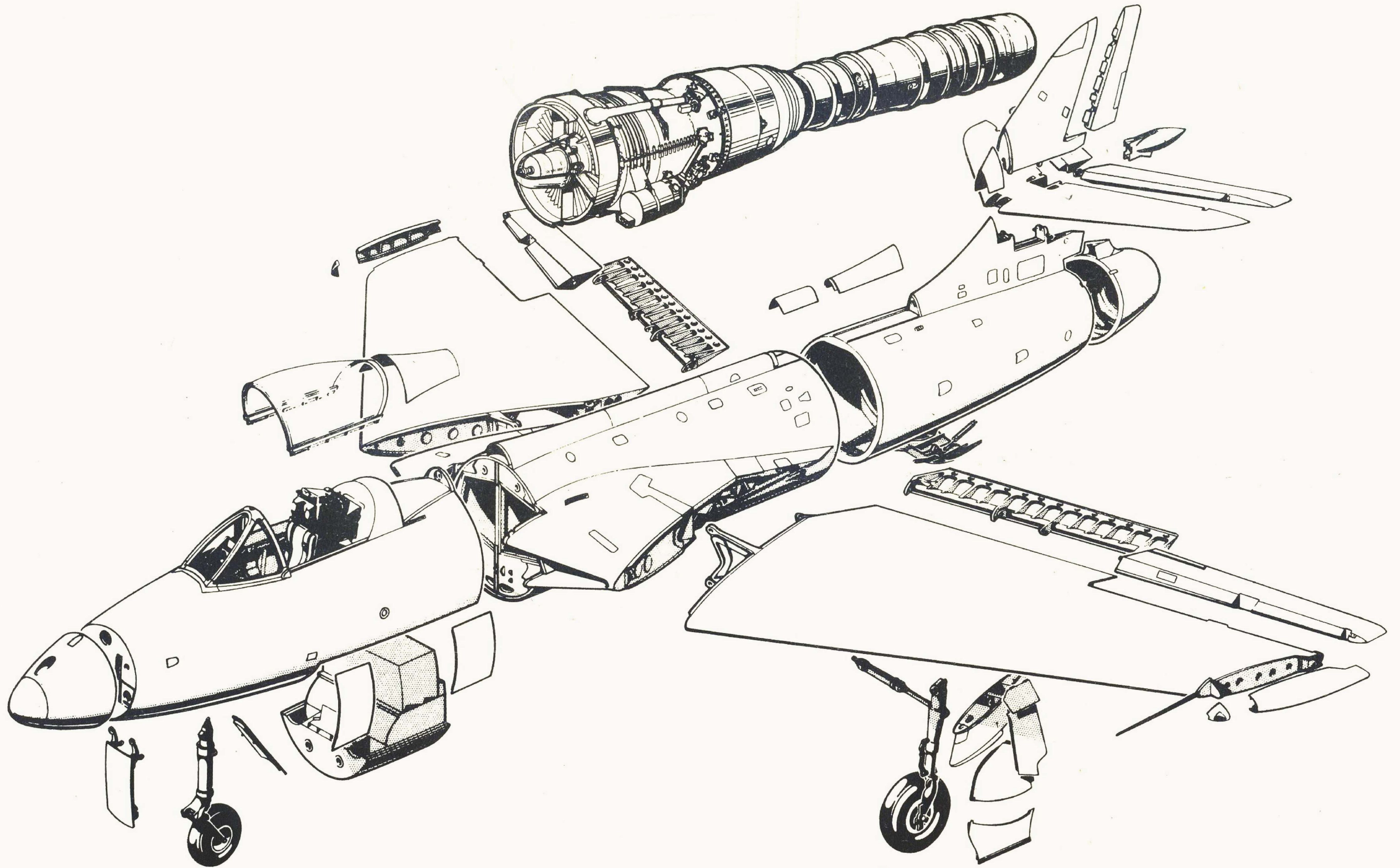


FIG. 1 MAJOR COMPONENTS

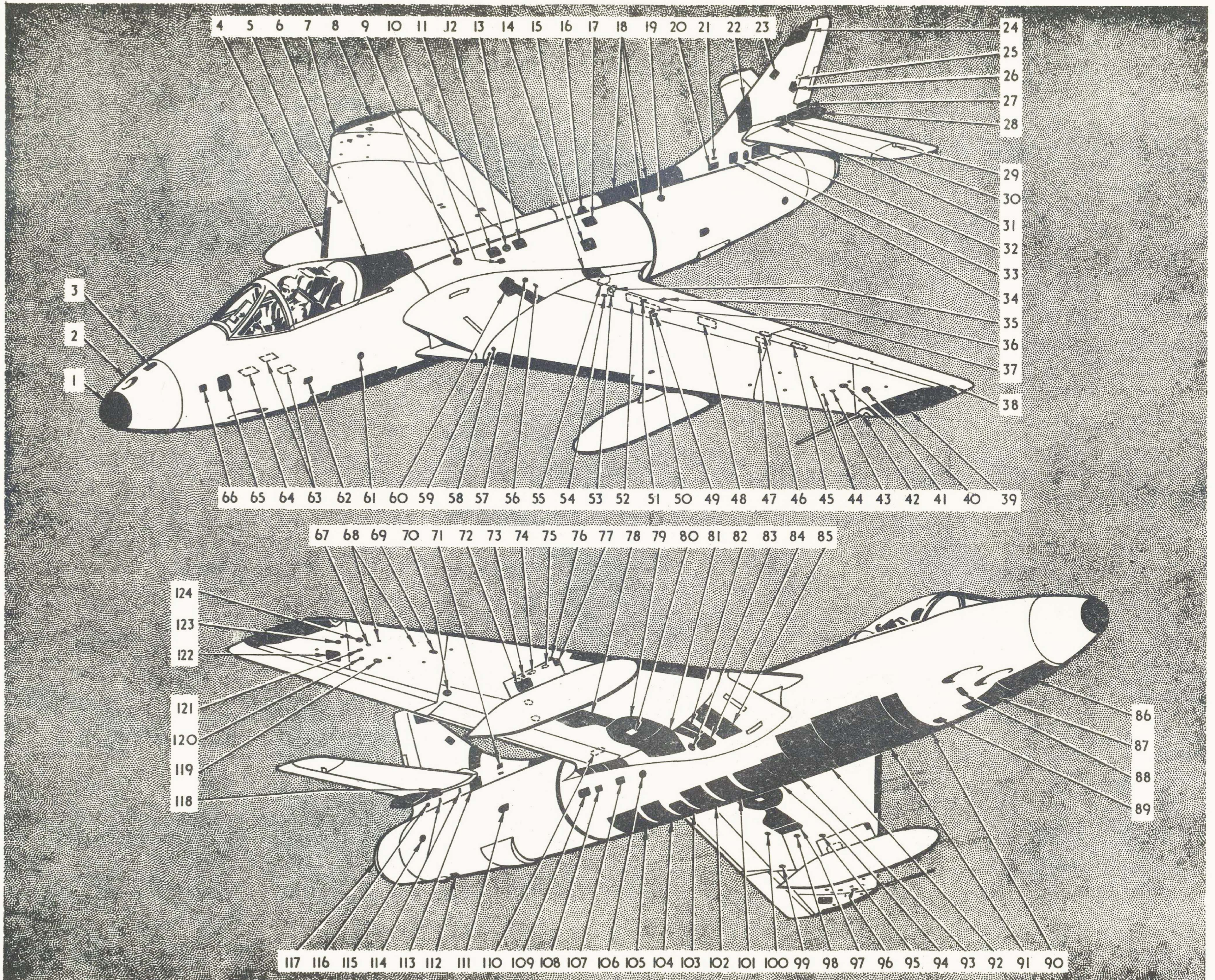


FIG. 2 ACCESS PANELS

KEY TO FIG. 2 ACCESS PANELS

1. Radar Scanner.
2. Detachable Nose Piece.
3. Camera Servicing.
4. Detachable Wing Nosing. Port and Starboard.
5. Pylon Crutching for Inboard Drop Tank or Bomb. Port and Starboard.
6. Detachable Hood Fairing to Flying Controls and Cabin Pressurizing Equipment.
7. Starboard Navigation Light Window.
8. Detachable Wing Tip.
9. Fuel Level Switch. Port and Starboard.
10. Liquid Starter Filler. Port.
11. Fuel Vent Connections. Port and Starboard.
12. Starter Equipment. Port and Starboard.
13. Cold Air Unit. Port and Starboard.
14. Rear Spar Pin Joint and Flying Controls. Port and Starboard.
15. Front Engine Mounting. Port and Starboard.
16. Fuel System External Air Connection. Port.
17. Air Supply. Port and Starboard.
18. Flying Controls and Transport Joint Butt Strap.
19. Fuel Level Switch. Port and Starboard.
20. Flying Controls Lever. Port.
21. Flying Controls Pivot Bolt. Port and Starboard.
22. Flying Controls.
23. Rudder Controls. Port and Starboard.
24. Detachable Tip.
25. Rudder Trim Tab Actuator.
26. Rudder Controls. Port.
27. Fin Detachable Portion.
28. Detachable Bullet Fairing.
29. Elevator Outer Hinge. Port and Starboard.
30. General Access. Port and Starboard.
31. Tail Plane Hinge. Port and Starboard.
32. Selector valve and elevator power assisted control. Port.
33. Tail Plane Actuator. Port.
34. Hydraulic Accumulator Charging Valve, Connections and Electrics. Port.
35. Slow Running Adjustment. Port. Centre Fuselage.
36. Flap Jack. Port and Starboard.
37. Flap Jack. Port and Starboard.
38. Aileron Outer Hinge. Port and Starboard.
39. Detachable Wing Tip.
40. General Access. Port and Starboard.
41. Fuel Pipes. Port and Starboard.
42. Port Navigation Light Window.
43. Pylon Crutching for Outboard Drop Tank. Port and Starboard.
44. Rocket Projectile Mountings. Port and Starboard.
45. Aileron Trim Tab Actuator. Port.
46. Electrical. Port.
47. Aileron Controls. Port and Starboard.
48. Aileron Controls Port and Starboard.
49. Flap Jack Anchorage. Port and Starboard.
50. Flap Jack Greaser. Port and Starboard.
51. Flap Synchronising Jack Bleeding. Port and Starboard.
52. Aileron Controls. Port and Starboard.
53. Drum Switch, Flap Control. Port.
54. Undercarriage Jack Attachment Bolt. Port and Starboard.
55. Gearbox Drive. Port Centre Fuselage.
56. Manual Undercarriage Catch Release. Port and Starboard.
57. Fuel Connection. Port and Starboard.
58. Slings Socket. Port and Starboard.
59. Wing Pin Joint. Port and Starboard.
60. Main Spar Pin Joint. Port and Starboard.
61. External Emergency Hood Release Port.
62. Pilot's Footstep. Port.
63. Flying Controls, Cabin Floor.
64. Control Column Mechanism Cabin Floor.
65. Aircraft Destructor. Port.
66. De-icing Tank Filler. Port. *Delivered 1/2/51*
67. Pylon Crutching for Outboard Drop Tank. Port and Starboard.
68. Rocket Projectile Mountings.
69. Rocket Projectile and Fuel Pipes. Port and Starboard.

(Contd.)

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|-----|---|-----|---|-----|---|
| 70. | Aileron Controls, Port and Starboard. | 85. | Fuel Tank Float Switch, Port and Starboard. | 106 | Fuel Filter, Starboard. |
| 71. | Flying Controls, Starboard. | 86. | Nose Undercarriage Front Door. | 107 | R.P.M Adjustment and Fuel Pump Governor Bleed, Starboard. |
| 72. | General Access Outboard Side of Pylon, Port and Starboard. | 87. | Nose Undercarriage Rear Door. | 108 | Oil Level Sighting, Starboard. |
| 73. | Electrical, Port and Starboard. | 88. | Nose Undercarriage Leg Pivot Pin, Port and Starboard. | 109 | Igniter Plug, Port and Starboard. |
| 74. | Fuel and Air Pipes, Port and Starboard. | 89. | Nose Undercarriage Jack. | 110 | Hydraulic Reservoir, Top Skin wing fillet, Starboard. |
| 75. | Pylon Crutching for Drop Tank or Bomb, Port and Starboard. | 90. | Gun Installation. | 111 | Jet Pipe Coupling, Port and Starboard. |
| 76. | General Access, Port and Starboard. | 91. | Gun Pack. | 112 | Tele-briefing Plug. |
| 77. | General Access, Port and Starboard. | 92. | Radio and Electrical. | 113 | Tail Plane Actuator, Starboard. |
| 78. | Main Undercarriage Leg Fairing. | 93. | Fuel Pump. | 114 | Flying Control Booster Unit Attachments, Starboard. |
| 79. | Main Undercarriage Wheel Fairing. | 94. | Fuel System. | 115 | Jet Pipe Rear Mounting, Port and Starboard. |
| 80. | Wheel Brake. | 95. | General Access, Port and Starboard. | 116 | Elevator Control Lever, Port and Starboard. |
| 81. | Main Undercarriage Door. | 96. | Aerial Mounting, Port. | 117 | Detachable Tail Cone. |
| 82. | Fuel Transfer Pipe and Pressure Relief Valve, Port and Starboard. | 97. | Main Undercarriage Leg Fairing Flap. | 118 | Tail Plane Hinge, Port and Starboard. |
| 83. | Fuel and Hydraulic Pipes, Port and Starboard. | 98. | General Access, Port and Starboard. | 119 | Rocket Projectile Electrics, Port and Starboard. |
| 84. | Main Spar Pin Joint, Port and Starboard. | 99. | Aileron Controls. | 120 | Electrics, Port and Starboard. |
| | | 100 | Electrics, Port and Starboard. | 121 | Fuel and Air, Port and Starboard. |
| | | 101 | Engine Starter. | 122 | Aileron Booster Unit, Port and Starboard. |
| | | 102 | Gearbox. | 123 | Aileron Control Micro Switch, Port and Starboard. |
| | | 103 | Gearbox Filler. | 124 | General Access. |
| | | 104 | Gearbox Turret. | | |
| | | 105 | Engine. | | |

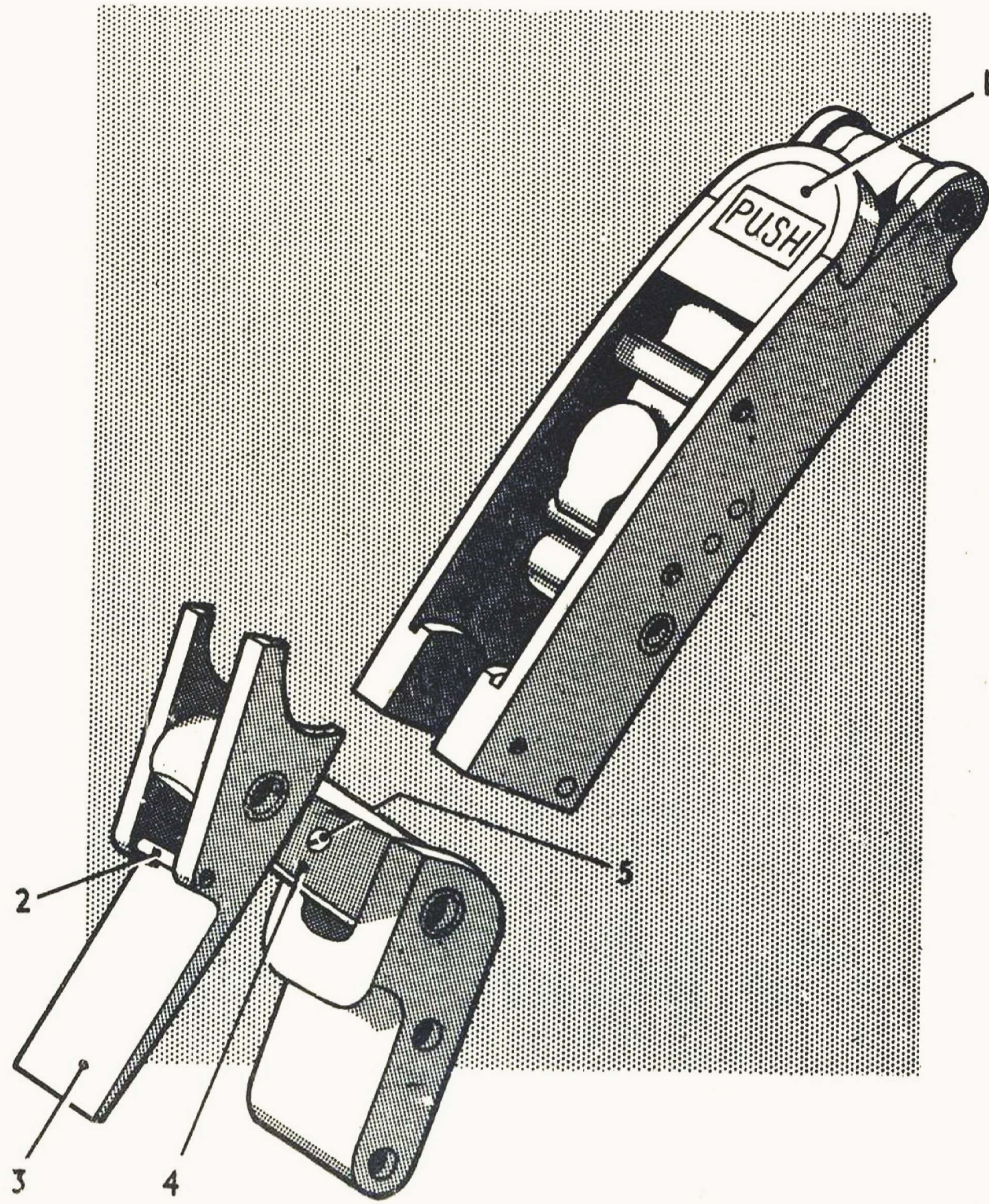


FIG. 3 TOGGLE FASTENER

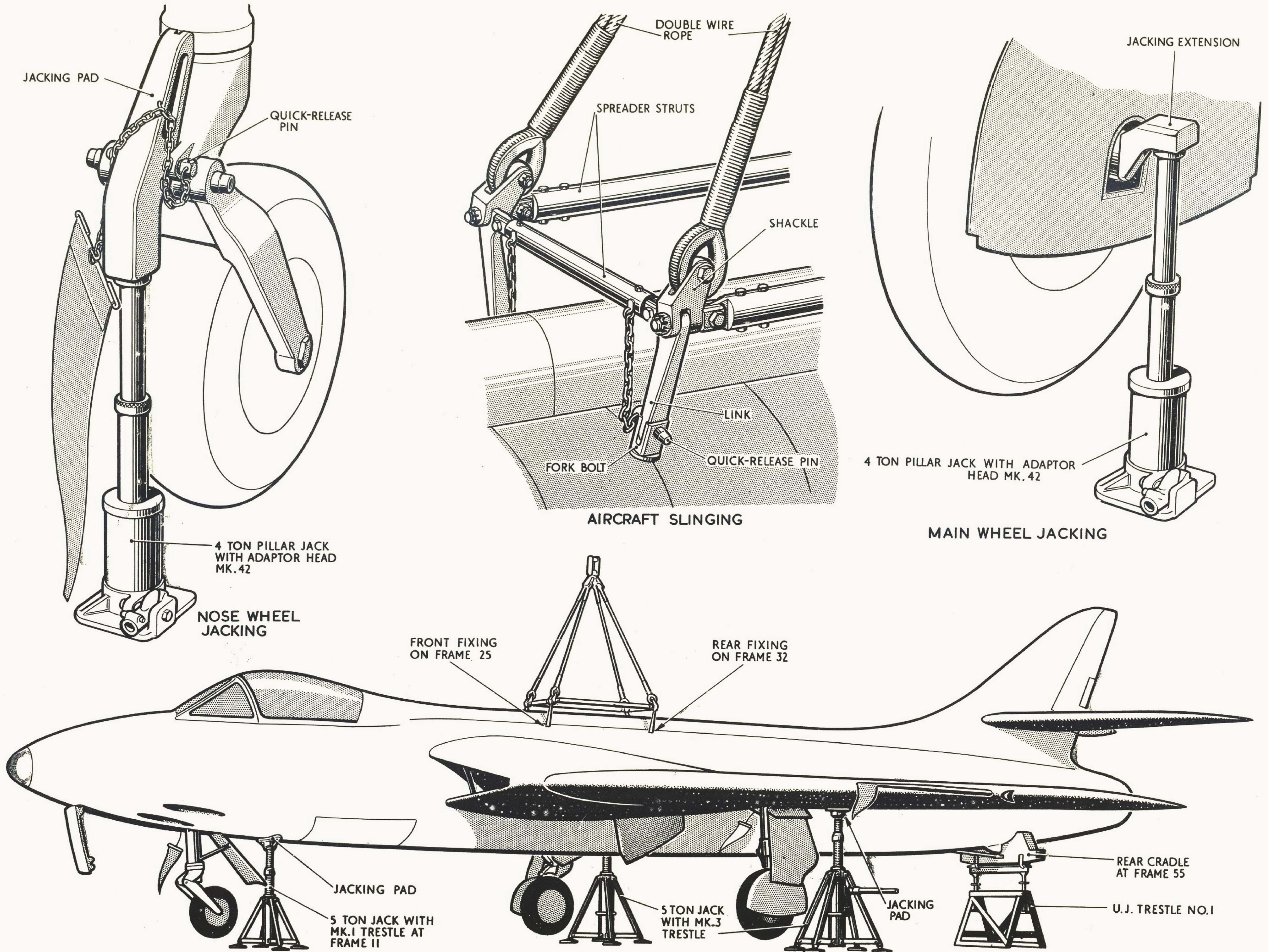
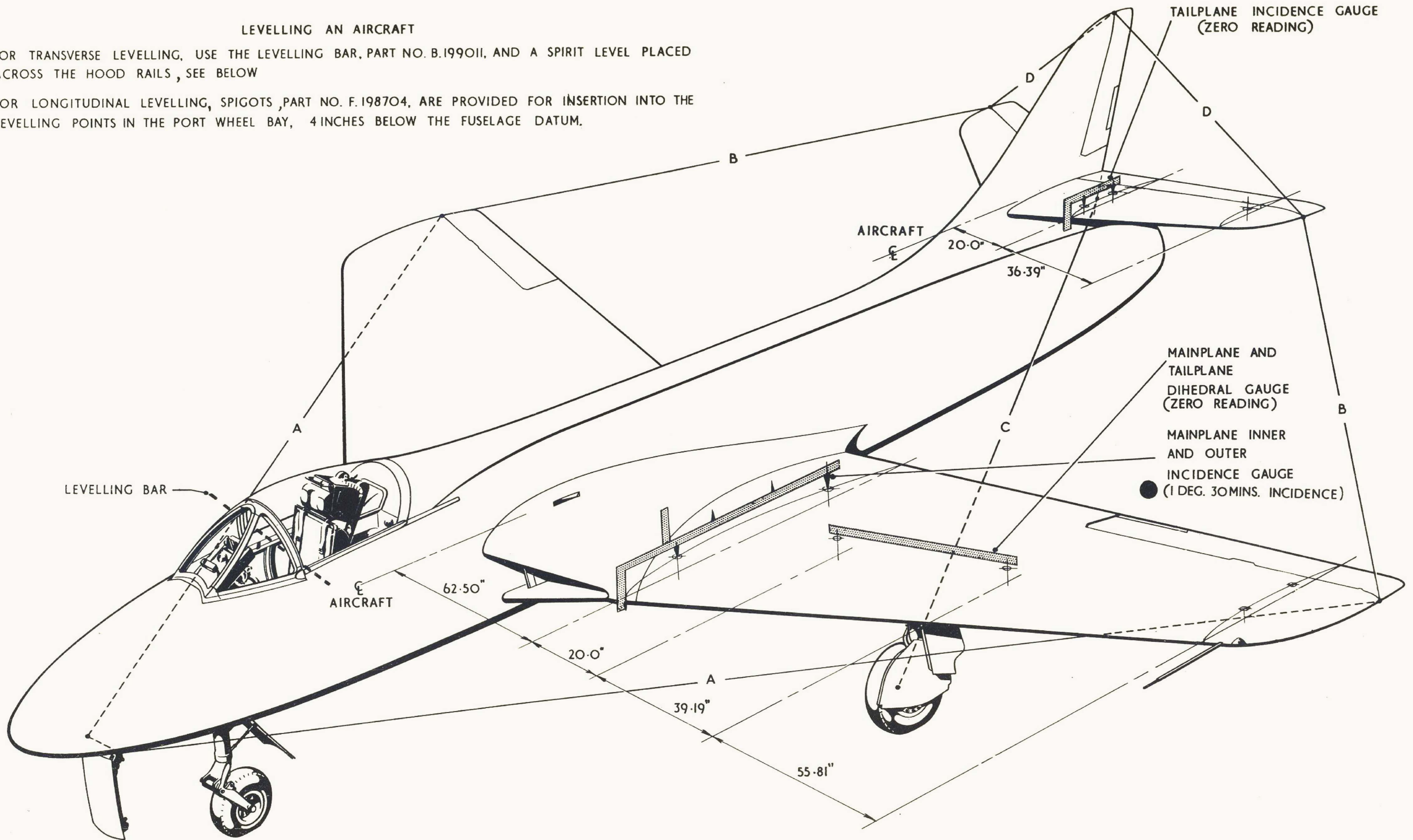


FIG. 4 JACKING, TRESTLING AND SLINGING

LEVELLING AN AIRCRAFT

FOR TRANSVERSE LEVELLING, USE THE LEVELLING BAR, PART NO. B.199011, AND A SPIRIT LEVEL PLACED ACROSS THE HOOD RAILS, SEE BELOW

FOR LONGITUDINAL LEVELLING, SPIGOTS, PART NO. F.198704, ARE PROVIDED FOR INSERTION INTO THE LEVELLING POINTS IN THE PORT WHEEL BAY, 4 INCHES BELOW THE FUSELAGE DATUM.



● TOLERANCE AT WING ROOT AND TIP \pm 0 DEG. 20 MIN. A COMBINATION OF A POSITIVE ERROR AT ONE WING TIP WITH A NEGATIVE ERROR AT THE OTHER MUST NOT GIVE A TWIST OF MORE THAN 0 DEG. 25 MIN.

SYMMETRY CHECK

CHECKING POINTS

CHECKING POINTS	LIMITS
A --- NOSE WHEEL DOOR CUT-OUT TO OUTBOARD END OF AILERON	0.50"
B --- OUTBOARD END OF AILERON TO OUTBOARD END OF ELEVATOR	0.50"
C --- UNDERCARRIAGE WHEEL HUB TO TRAILING EDGE OF FIN	0.50"
D --- TIP OF FIN TO OUTBOARD END OF ELEVATOR	0.25"

FIG. 5 RIGGING DIAGRAM
RESTRICTED

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