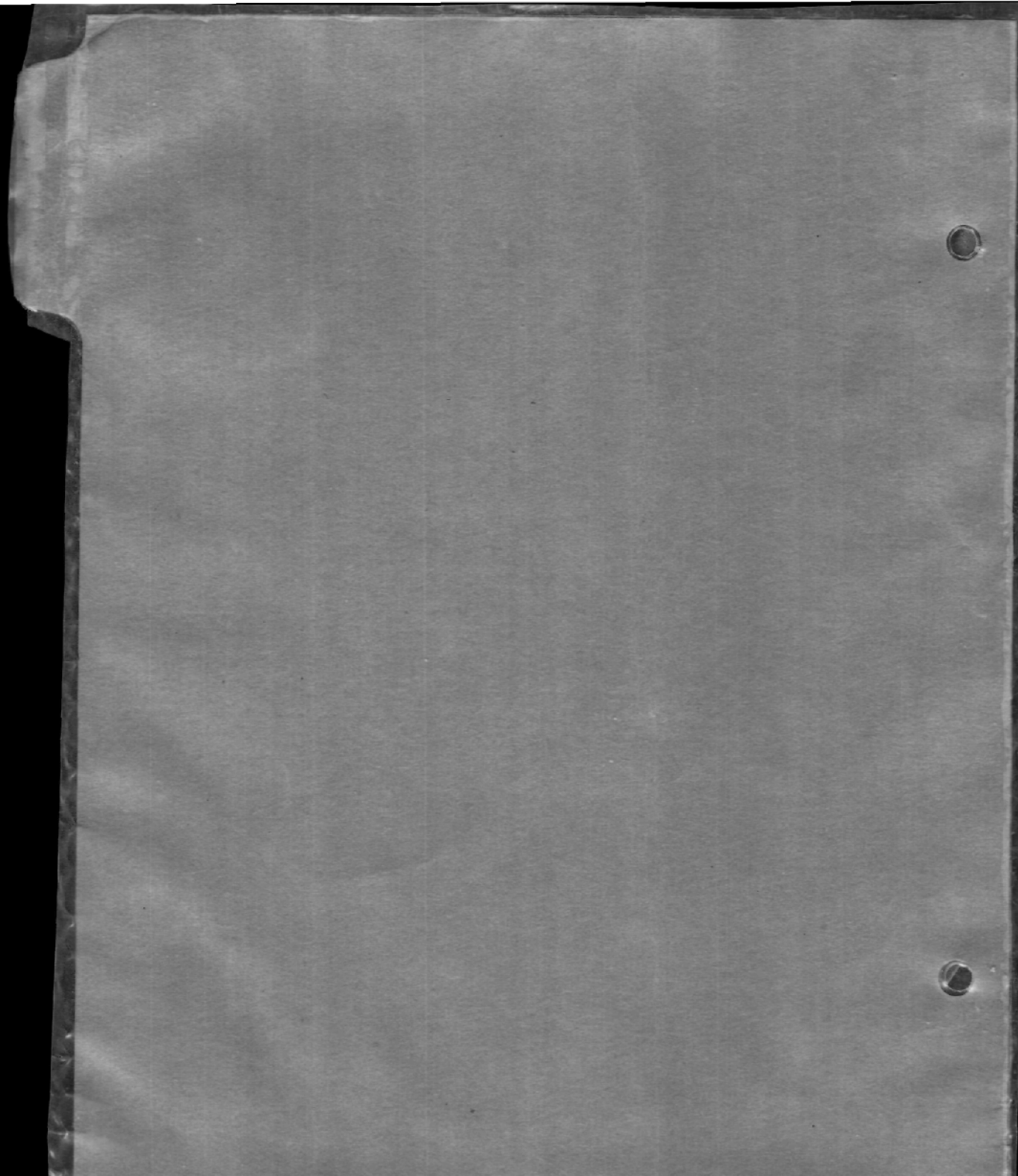


CHAPTER I

TABULATED DATA



Chapter 1

TABULATED DATA

List of Illustrations

Fuel system diagram	Fig.1
Hydraulic system diagram	Fig.2

Note. . .

Fuels, lubricants, fluids, charging pressures etc., are given in Chap.4, Key to fig. 1.

1. AIRCRAFT DIMENSIONS

Overall length	48 ft. 10½ in.
Overall height	13 ft. 4 in.
Wing span	33 ft. 8 in.
Track	14 ft. 9 in.

2. ENTRANCE TO AIRCRAFT

Padded ladder required against port side cockpit. Procedure detailed in Chap.2.

3. PRESSURE CABIN

Pressure, cabin	3½ lb/in ² ground test pressure
Permissible cabin pressure leak rate	3½ to 1½ lb/in ² in not less than 30 seconds
Pressure, hood seal	8 lb/in ² ground test pressure.

4. HYDRAULIC SYSTEM

Pump	Dowty live-line
Services	Alighting gear, wheel brakes, air brake, flaps, cabin hood, windscreen wipers and power assisted controls for ailerons and elevators.
System pressure	3,000 lb/in ² .

45. MAIN UNDERCARRIAGE

Shock absorber	...	...	...	...	Dowty liquid spring
Tyres	...	...	...	...	Dunlop (29 in. x 6.25 in. - 16 in.) Code D.T. 1821

6. NOSE UNDERCARRIAGE

Shock absorber	...	...	...	...	Dowty liquid spring
Tyre	...	...	...	...	Dunlop (19 in. x 6.25 in. - 9 in.) Code D.R. 2266

7. ENGINE CHANGE UNIT

Engine	...	...	...	...	Avon Mk. 122
High energy ignition unit	...	...	...	...	BTH type C.10.TS/3
Starter	...	...	...	...	BTH TBS 720 Mk.2
Cartridges	...	...	...	...	Cordite, 720 gramme, Type No. 10 Mk.3

8. ELECTRICAL SYSTEM

Voltage	...	...	...	...	28 volts
Generators (2)	...	...	...	...	Type 515A

9. EJECTION SEATS

Type	...	...	...	...	Martin Baker Type 4HA/1 & /2 or Type 4HA Mk.1 (post Mod.1177)
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10. STATIC VENT

Location	...	...	...	...	Incorporated with pressure head, port wing tip
----------	-----	-----	-----	-----	---

11. EMERGENCY OXYGEN BOTTLES

Location	...	...	...	...	Mounted on the ejection seats
----------	-----	-----	-----	-----	-------------------------------

12. GUN (pre Mod.1321)

Type	...	...	...	...	One Aden 30mm. gun housed in detachable gun package in front fuselage. No gun post Mod.1321. 150 rounds.
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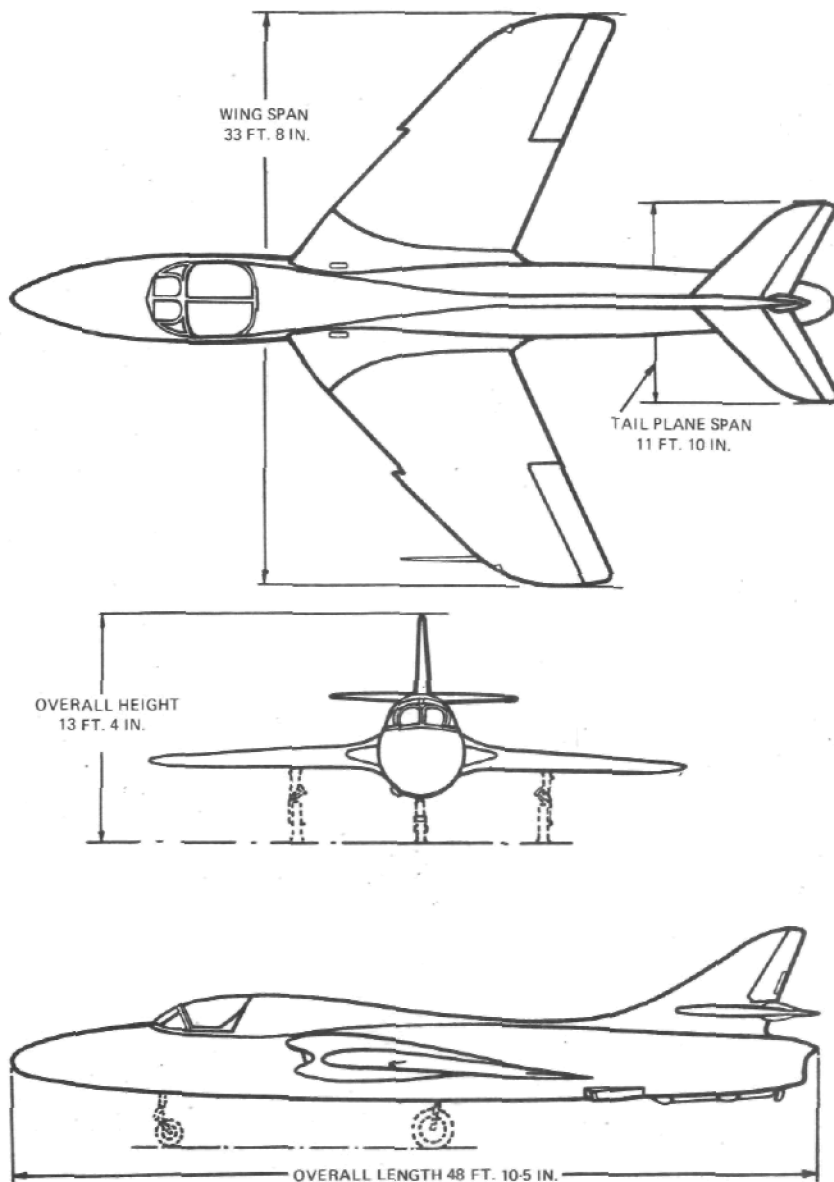


Fig.1 General arrangement



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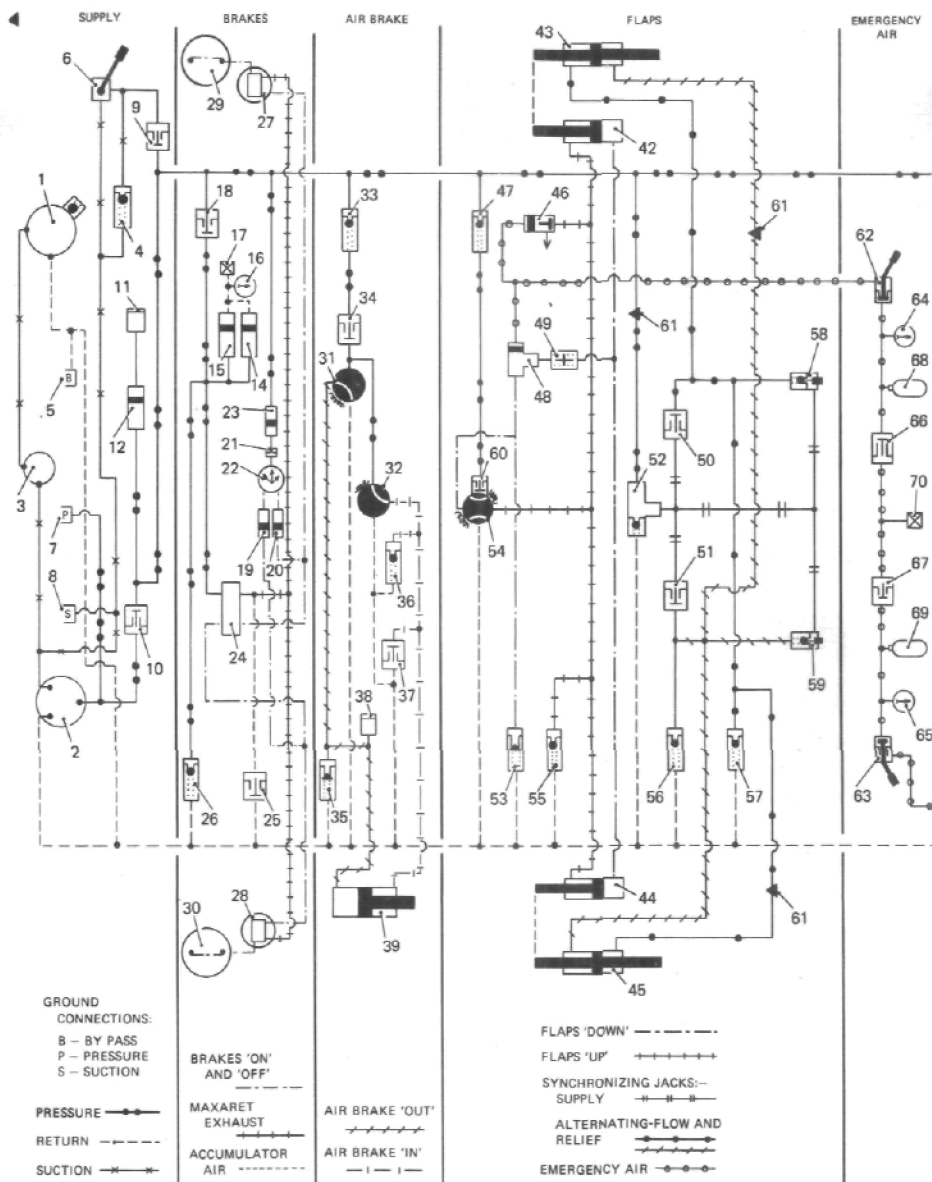


Fig.3 Hydraulic system (1)

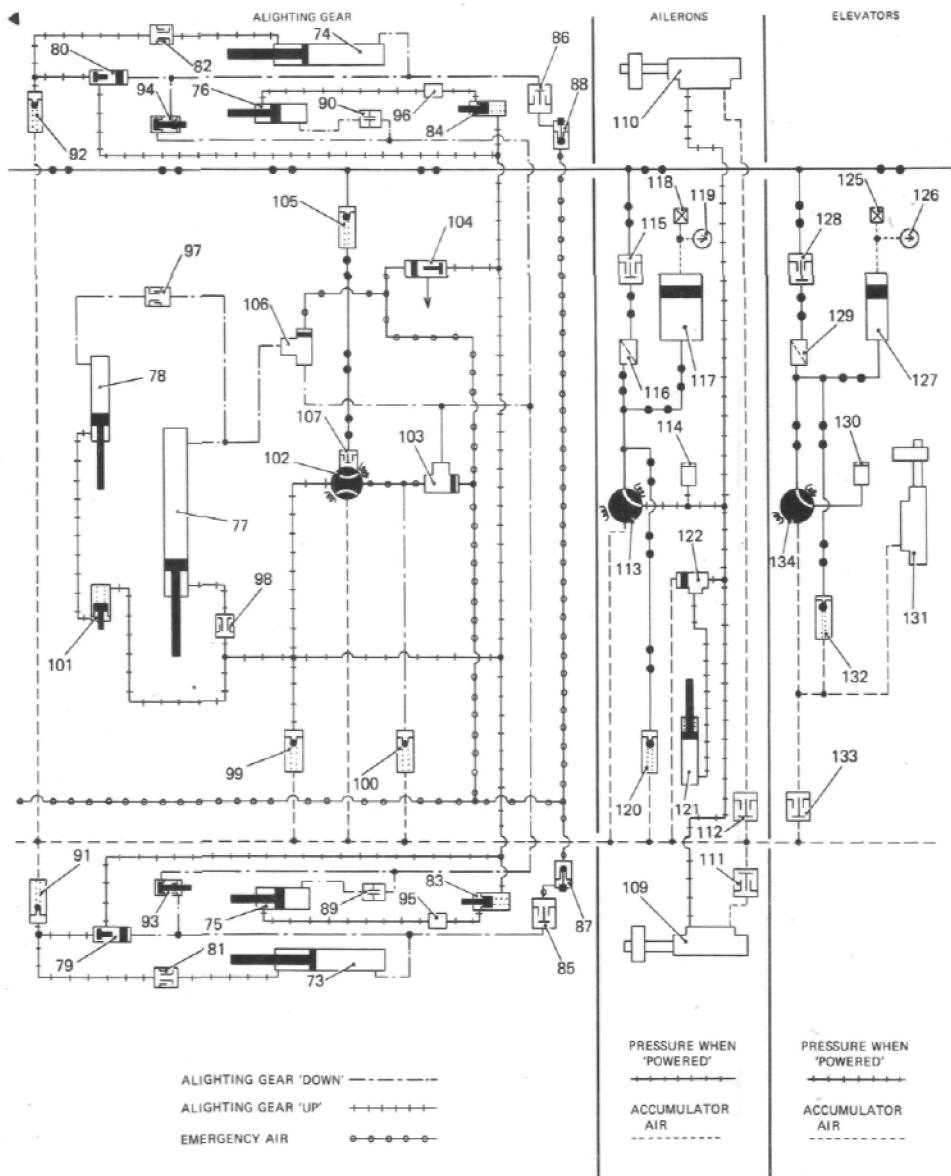


Fig.4 Hydraulic system (2)

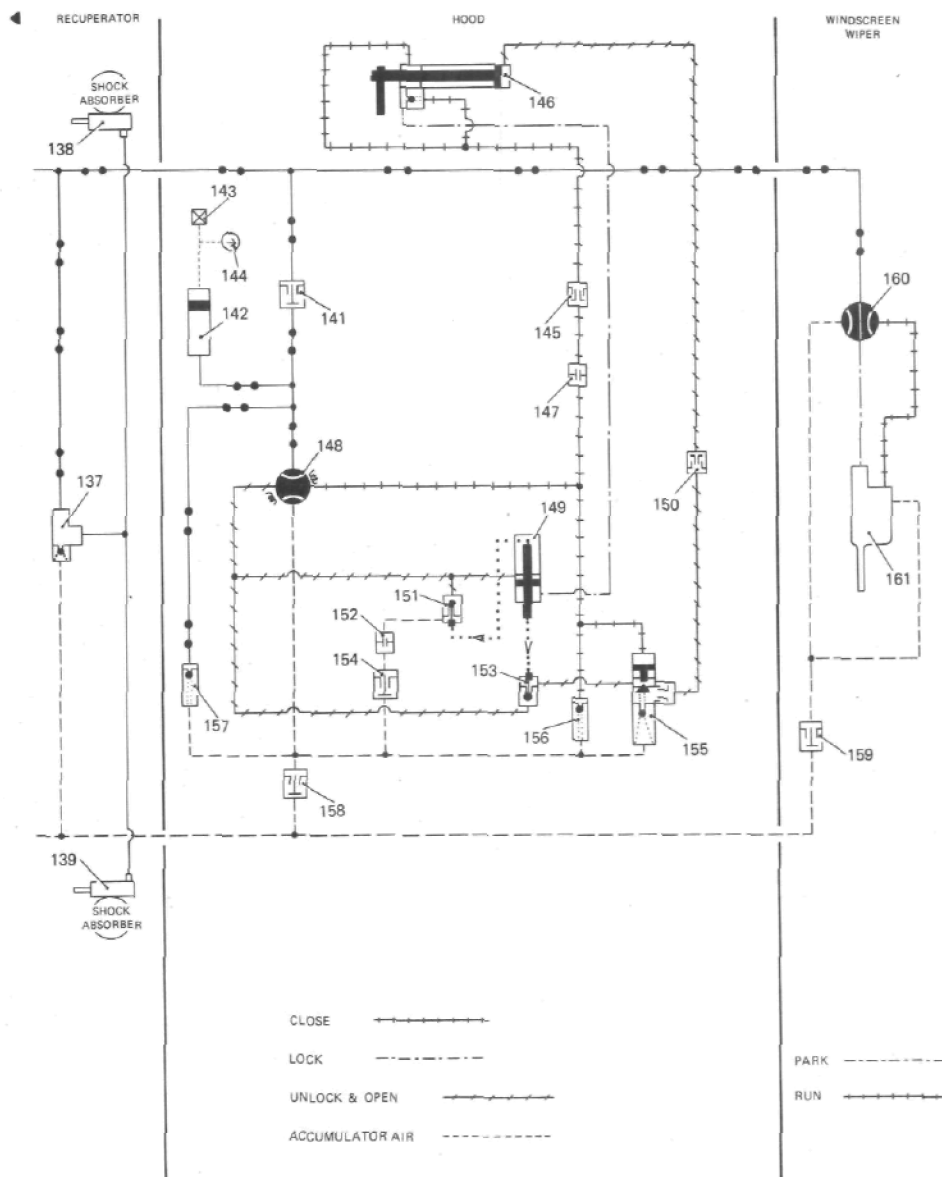


Fig.5 Hydraulic system (3)

KEY TO FIG.3, 4 AND 5 (HYDRAULIC SYSTEM)

SUPPLY

- 1 RESERVOIR
- 2 ENGINE DRIVEN PUMP
- 3 FILTER
- 4 PRESSURE RELIEF VALVE
- 5 EXTERNAL SUPPLY VALVE, BY-PASS
- 6 HAND PUMP
- 7 EXTERNAL SUPPLY VALVE, PRESSURE
- 8 EXTERNAL SUPPLY VALVE, SUCTION
- 9 NON-RETURN VALVE
- 10 NON-RETURN VALVE
- 11 PRESSURE SWITCH
- 12 PRESSURE RELAY
- 13

WHEEL BRAKES

- 14 ACCUMULATOR
- 15 ACCUMULATOR
- 16 PRESSURE GAUGE
- 17 CHARGING CONNECTION
- 18 NON-RETURN VALVE
- 19 PRESSURE RELAY
- 20 PRESSURE RELAY
- 21 CHOKE
- 22 TRIPLE PRESSURE GAUGE
- 23 PRESSURE RELAY
- 24 BRAKES RELAY CONTROL VALVE
- 25 NON-RETURN VALVE
- 26 THERMAL RELIEF VALVE
- 27 MAXARET UNIT
- 28 MAXARET UNIT
- 29 BRAKE UNIT
- 30

AIR BRAKE

- 31 MAIN SELECTOR
- 32 HIGH SPEED SELECTOR
- 33 PRESSURE REGULATING VALVE
- 34 NON-RETURN VALVE
- 35 PRESSURE RELIEF VALVE
- 36 THERMAL RELIEF VALVE
- 37 NON-RETURN VALVE
- 38 PRESSURE SWITCH
- 39 JACK
- 40
- 41

FLAPS

- 42 FLAP OPERATING JACK
- 43 FLAP SYNCHRONIZING JACK
- 44 FLAP OPERATING JACK
- 45 FLAP SYNCHRONIZING JACK
- 46 OIL JETTISON VALVE
- 47 PRESSURE REGULATION VALVE
- 48 SHUTTLE VALVE
- 49 TWO-WAY THROTTLE VALVE
- 50 NON-RETURN VALVE
- 51 NON-RETURN VALVE
- 52 PRESSURE REDUCING VALVE
- 53 PRESSURE RELIEF VALVE
- 54 CONTROL VALVE
- 55 THERMAL RELIEF VALVE
- 56 PRESSURE RELIEF VALVE
- 57 PRESSURE RELIEF VALVE
- 58 PRESSURE RELEASE VALVE
- 59 PRESSURE RELEASE VALVE
- 60 NON-RETURN VALVE
- 61 TEST POINTS

KEY TO FIG.3, 4 AND 5 (HYDRAULIC SYSTEM) (continued)

EMERGENCY AIR
62 AIR RELEASE VALVE
63 AIR RELEASE VALVE
64 EMERGENCY AIR SUPPLY PRESSURE
GAUGE
65 EMERGENCY AIR SUPPLY PRESSURE
GAUGE
66 NON-RETURN VALVE
67 NON-RETURN VALVE
68 EMERGENCY AIR BOTTLE (FLAPS)
69 EMERGENCY AIR BOTTLE (U/C)
70 CHARGING CONNECTION
71
72

ALIGNING GEAR
73 MAIN UNDERCARRIAGE JACK
74 MAIN UNDERCARRIAGE JACK
75 MAIN U/C FAIRING DOOR JACK
76 MAIN U/C FAIRING DOOR JACK
77 NOSE UNDERCARRIAGE JACK
78 NOSE U/C FAIRING DOOR JACK
79 SEQUENCE VALVE
80 SEQUENCE VALVE
81 ONE-WAY RESTRICTOR VALVE
82 ONE-WAY RESTRICTOR VALVE
83 SEQUENCE VALVE
84 SEQUENCE VALVE
85 NON-RETURN VALVE
86 NON-RETURN VALVE
87 PRESSURE RELEASE VALVE
88 PRESSURE RELEASE VALVE
89 RESTRICTOR
90 RESTRICTOR
91 THERMAL RELIEF VALVE
92 THERMAL RELIEF VALVE

93 SEQUENCE VALVE
94 SEQUENCE VALVE
95 PRESSURE REGULATING VALVE
96 PRESSURE REGULATING VALVE
97 ONE-WAY RESTRICTOR VALVE
98 ONE-WAY RESTRICTOR VALVE
99 THERMAL RELIEF VALVE
100 THERMAL RELIEF VALVE
101 SEQUENCE VALVE
102 CONTROL VALVE
103 SHUTTLE VALVE
104 OIL JETTISON VALVE
105 PRESSURE REGULATING VALVE
106 SHUTTLE VALVE
107 NON-RETURN VALVE
108

AILERONS

109 AILERON HYDRO BOOSTER
110 AILERON HYDRO BOOSTER
111 NON-RETURN VALVE
112 NON-RETURN VALVE
113 CONTROL VALVE
114 PRESSURE SWITCH
115 NON-RETURN VALVE
116 MICRONIC FILTER
117 ACCUMULATOR
118 CHARGING CONNECTION
119 PRESSURE GAUGE
120 THERMAL RELIEF VALVE
121 AILERON TWO POSITION LEVER JACK
122 SHUTTLE VALVE
123
124

KEY TO FIG.3, 4 AND 5 (HYDRAULIC SYSTEM) (continued)

ELEVATORS

125 CHARGING CONNECTION
126 PRESSURE GAUGE
127 ACCUMULATOR
128 NON-RETURN VALVE
129 MICRONIC FILTER
130 PRESSURE SWITCH
131 ELEVATOR HYDRO BOOSTER
132 THERMAL RELIEF VALVE
133 NON-RETURN VALVE
134 CONTROL VALVE
135
136

RECUPERATORS

137 PRESSURE REDUCING VALVE
138 RECUPERATOR UNIT
139 RECUPERATOR UNIT
140

HOOD

141 NON-RETURN VALVE
142 ACCUMULATOR
143 CHARGING CONNECTION
144 PRESSURE GAUGE
145 ONE-WAY RESTRICTOR VALVE
146 HOOD OPERATING JACK
147 RESTRICTOR
148 CONTROL VALVE
149 HOOD LOCKING JACK
150 ONE-WAY RESTRICTOR VALVE
151 HOOD LOCKING SEQUENCE VALVE
152 RESTRICTOR
153 HOOD UNLOCKING SEQUENCE VALVE
154 NON-RETURN VALVE
155 HOOD OPEN LOCKING VALVE
156 THERMAL RELIEF VALVE
157 THERMAL RELIEF VALVE
158 NON-RETURN VALVE

WINDSCREEN WIPERS

159 NON-RETURN VALVE
160 CONTROL VALVE
161 WINDSCREEN WIPER MOTOR

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