# CHAPTER 2

# CONTROLS

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## List of Illustrations

Fig.
Controls in cabin ... ... ... ... ... ... ... ... 1

General

1. The cabin controls are illustrated in fig.1. Items which will be used for ground handling are annotated, and the method of operation of a particular control is indicated if it is not already obvious.

Access to cabin

2. The cabin hood is electro-hydraulically operated, but provision is also made for manual operation.

Operation from inside

3. The hood is controlled by a three-position spring-loaded centre-off switch marked OPEN and CLOSE, which is mounted, together with the hood lock indicator lamp, at the top of the centre instrument panel. The battery master switch on the port leg panel must be placed in the ground position. When using the hood control switch, it is necessary to retain it in the selected position until the hood completes its full travel. In the event of electrical or hydraulic failure while the aircraft is on the ground and the cabin hood is closed, operation of a handle mounted on the hood jettison release unit, located behind the port seat, will release the hood locks and allow the hood to be raised manually, after first ensuring that the hood jettison release unit is disconnected from the hood jettison gun by withdrawing the quick-release pip-pin in accordance with the instructions given in the warning notice on the handle of the release unit.

Operation from outside

4. A three-position centre-off switch located on the aft face of frame 3 inside the nose-wheel bay is provided for external operation of the hood. It is necessary to ensure that the battery switch on the port leg panel in the cabin is in the ground position and to hold the control switch in the selected position until the hood has completed its full travel

WARNING

Before using the switch, ensure that the hood is clear of obstruction and that the jury strut, if in use, has been removed.

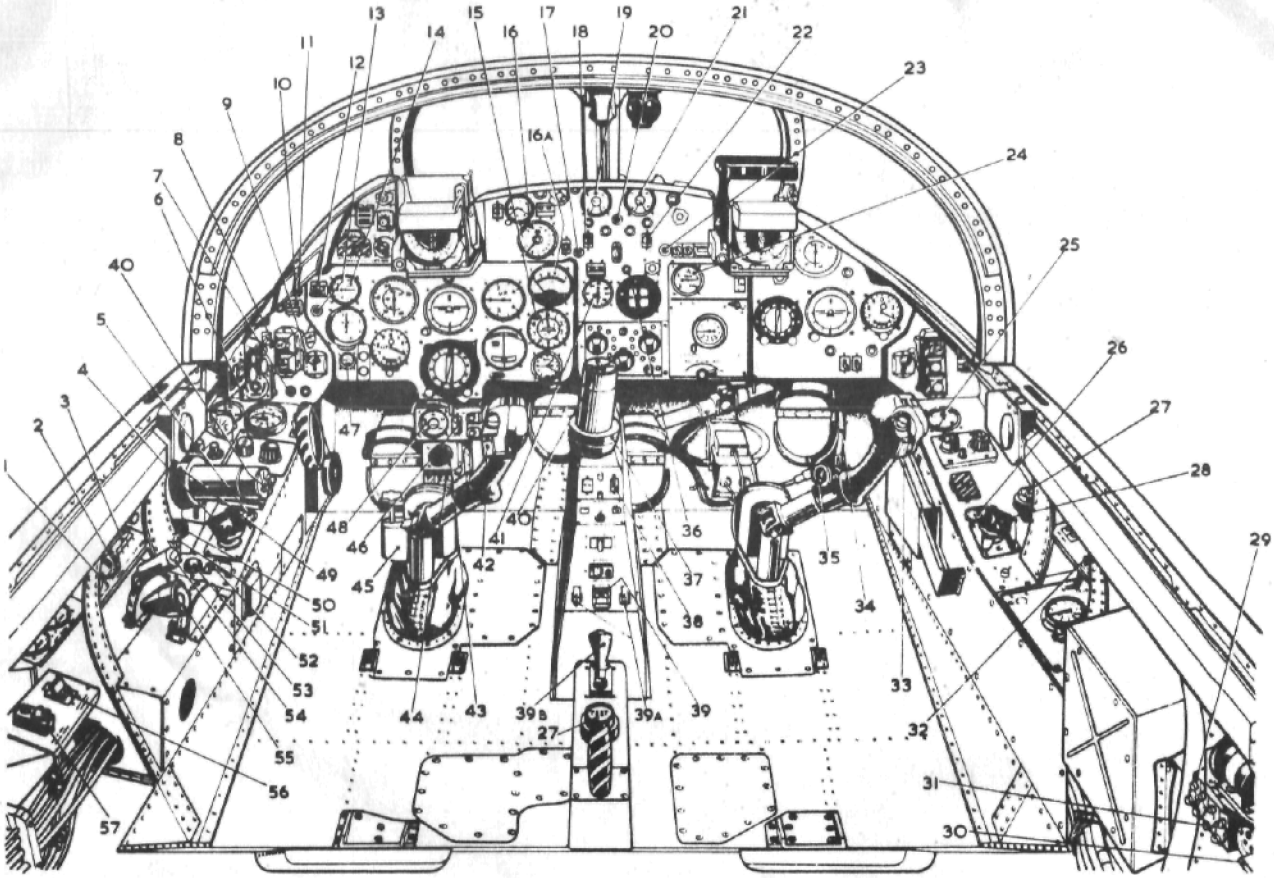


Fig. 1. Controls in cabin

## KEY TO FIG.1 (CONTROLS IN CABIN)

1 CABIN TEMPERATURE SELECTOR
2 CABIN TEMPERATURE CONTROL
3 CABIN PRESSURE SWITCH
4 AILERON AND RUDDER TRIM TAB CONTROL SWITCH
Operation in natural sense, i.e. aircraft responds to the attitude of the silhouette on the switch knob.
5 AILERON AND RUDDER TAB POSITION INDICATORS
6 UNDERCARRIAGE INDICATOR
Light sequence:-
GREEN Undercarriage locked down
RED Undercarriage in process of retraction or extension
ALL OFF Undercarriage locked up
7 UNDERCARRIAGE WARNING LIGHT
Lights when throttle is approx.1/3 open and the undercarriage is not locked down.
8 UNDERCARRIAGE CONTROL
Interlocking push-switches. Top for UP: bottom for DOWN. Note.-Clockwise rotation of outer wing of UP button overrides safety lock.
9 FLAP CONTROL
10 AILERON POWER CONTROL SWITCH
Used to disengage power.
11 ELEVATOR POWER CONTROL INDICATOR
Indicates power off.
12 ELEVATOR POWER CONTROL SWITCH
13 AILERON POWER CONTROL INDICATOR
Indicates power off.
14 TAILPLANE POSITION INDICATOR
15 TACHOMETER
16 EXHAUST GAS THERMOMETER
17 TANK PUMP FAILURE WARNING LIGHT - PORT
18 FUEL PUMP SWITCH - PORT
19 FUEL GAUGE PORT TANKS
20 FUEL LOW PRESSURE WARNING LIGHT
21 FUEL GAUGE STARBOARD TANKS
22 FUEL PUMP SWITCH - STARBOARD
23 TANK PUMP FAILURE WARNING LIGHT - STARBOARD
24 OXYGEN CONTENTS GAUGE
25 ANTI-G PRESSURE GAUGE
26 AILERON AND RUDDER TAB POSITION INDICATORS
27 ANTI-G TEST BUTTON
Depress to test installation.
28 AILERON AND RUDDER TRIM TAB CONTROL SWITCH
Operation in natural sense, i.e. aircraft responds to the attitude of the silhouette on the switch knob.
29 FLIGHT INSTRUMENT INVERTER CIRCUIT BREAKERS
30 FUEL PUMPS TEST SWITCH
Used for test prior to flight.
31 AMMETER TEST SOCKET
Used for test prior to flight.
32 FIRE WARNING TEST SWITCH
33 TAILPLANE INCIDENCE CONTROL (NORMAL)
Up to increase tailplane incidence and down to decrease.
34 HYDRAULIC BRAKE CONTROL
35 BRAKE PARKING LOCK
For temporary parking.
36 CABIN PRESSURE WARNING LIGHT

KEY TO FIG.1 (CONTROLS IN CABIN) (Contd.)

37 THROTTLE
Aft for idling, forward for full throttle.
38 ENGINE ANTI-ICING SWITCH
39 AIR BRAKE TEST SWITCH
39A INVERTOR AND STANDBY TEST SWITCHES
39B ANTI-G SUIT CONTROL
40 AIR BRAKE CONTROL
41 CABIN ALTIMETER
42 TAILPLANE INCIDENCE CONTROL (NORMAL)
Up to increase tailplane incidence and down to decrease.
43 STARTER PUSH SWITCH
Initiates engine starting cycle.
44 ENGINE MASTER SWITCH
Controls flight instruments, tank pumps, fuel pressure and emergency fuel pump circuits.
45 AILERON SPRING FEEL UNIT
46 IGNITION SWITCH
When off, isolate igniter units.
47 FLAP POSITION INDICATOR
48 OIL PRESSURE GAUGE
49 THROTTLE
Aft for idling, forward for full throttle.
50 THROTTLE DAMPER
51 JET PIPE TEMPERATURE CONTROLLER
52 FUEL PUMP ISOLATING SWITCH
Normally wire-locked - broken wire indicates use.
53 FUEL PUMP MAGNETIC INDICATOR
54 LOW PRESSURE FUEL COCK CONTROL
Moved forward from OFF to ON.
55 HIGH PRESSURE FUEL COCK CONTROL
Moved forward from OFF to ON.
56 CABIN PRESSURE WARNING TEST
Ground use only.
57 TAILPLANE MOTOR CIRCUIT BREAKER