

Chapter I

PILOT'S CONTROLS AND EQUIPMENT

(Completely revised)

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WARNING

AIRCREW EJECTION SEATS ARE FITTED TO THIS AIRCRAFT.

Before attempting to enter the cabin ensure that the instructions detailed on the **LETHAL WARNING** marker card at the front of this handbook have been complied with.

Introduction

1. This chapter gives the location of the cabin controls and instruments used by the pilots, the items being grouped as indicated in the illustrations. Where the operation of a control, or any feature of an instrument is not obvious, the necessary information is given in the key to the illustration. For more detailed information of the operation of certain controls and the circumstances and manner in which they are to be used, reference should be made to the Pilot's Notes for this aircraft.

*Emergency controls**General*

2. The function and operation of the emergency controls and instruments indicated in the illustrations are described in Sect. 1, Chap. 3.

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*Cabin hood**Operation from inside*

3. The cabin hood, which hinges upwards on its rear edge for entry and exit, is normally operated electro-hydraulically, but provision is also made for manual operation in the event of electrical or hydraulic failure. The hood is controlled by a three-position spring-loaded centre-off switch, marked **HOOD OPEN** and **CLOSED**, which is mounted, together with a **HOOD LOCKED** indicator lamp at the top of the centre instrument panel. Before the hood will respond, however, the battery master switch on the leg panel must be placed in the **OFF** position to supply the hood control circuit. 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 jettison gun by withdrawing the quick-release pip pin in accordance with the instructions given on the warning notice on the guard over the handle of the release unit. The method of jettisoning the hood in an emergency in flight is described in Sect. 1, Chap. 3.

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WARNING

When the aircraft is ready for take-off, a check must always be made to ensure that the **HOOD LOCKED** indicator lamp is illuminated, thus indicating that the hood locks are correctly set to secure the hood. When the aircraft is airborne, this lamp should go out automatically.

Operation from outside

4. A three-position, centre-off switch located aft of frame 4 inside the nose wheel bay is provided for external operation of the hood. As in the case of the normal switch (*para. 3*), it is necessary to ensure that the battery switch on the leg panel in the cabin is in the **OFF** position and to hold the control switch in the selected position until the hood has completed its full travel.

Note . . .

Before using the switch, ensure that the hood is clear of obstructions and that the jury strut, if in use, has been removed. Also ensure that the cabin pressure has been dissipated before operating this switch to open the hood.

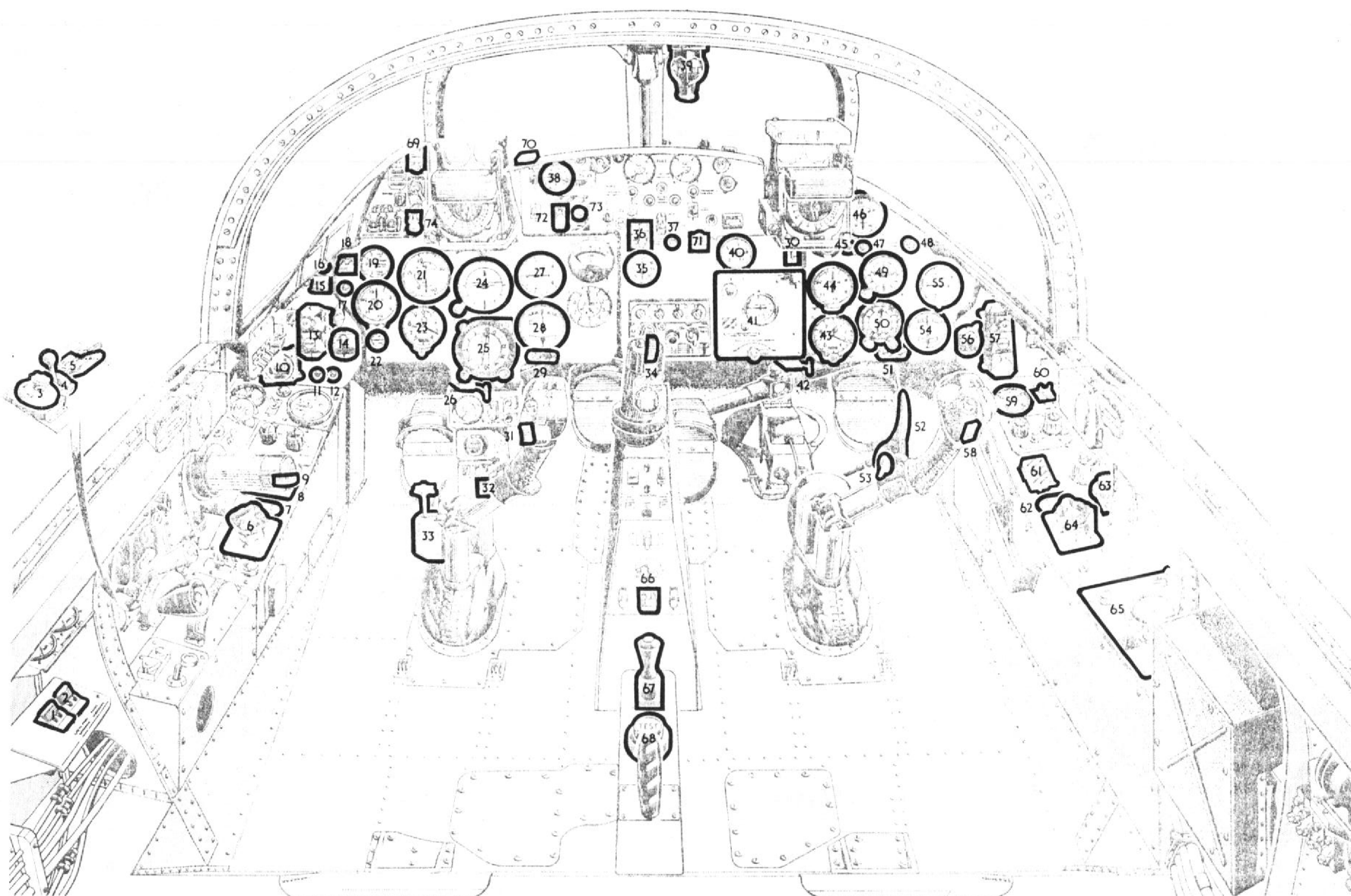


Fig.1 Flying controls and instruments - Mk. 8

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ISSUE 2	AIR DIAGRAM
	7513A/MIN
	HUNTER T MK. 8
	PREPARED BY MINISTRY OF AVIATION FOR PROMULGATION BY ADMIRALTY

KEY TO FIG. 1 (Flying controls and instruments—MK. 8)

- | | | |
|--|--|--|
| 1 CABIN PRESSURE WARNING TEST SWITCH | 21 AIRSPEED INDICATOR | 50 GYRO COMPASS REPEATER |
| 2 HOOD OVERRIDE SWITCH | 22 FLAP POSITION INDICATOR | 51 TURN AND SLIP STANDBY SWITCH |
| 3 CABIN TEMPERATURE SELECTOR | 23 ALTIMETER | 52 HYDRAULIC BRAKE CONTROL |
| 4 CABIN TEMPERATURE CONTROL | 24 ARTIFICIAL HORIZON | 53 BRAKE PARKING LOCK
<i>For temporary parking</i> |
| 5 CABIN PRESSURE SWITCH | 25 GYRO COMPASS | 54 TURN AND SLIP INDICATOR |
| 6 AILERON AND RUDDER TRIM TAB CONTROL AND AILERON TRIM LOCK
<i>Operation in natural sense, i.e. aircraft responds to the attitude of the silhouette on the switch knob</i> | 26 RUDDER BAR REACH CONTROL
<i>For adjustment of rudder bar for leg reach</i> | 55 RATE OF CLIMB INDICATOR |
| 7 AILERON AND RUDDER TRIM TAB POSITION INDICATORS | 27 RATE OF CLIMB INDICATOR | 56 FLAP CONTROL
<i>The stop plate must be released to allow the control lever to be moved upward, beyond the 'fully-up' position, before the port selector switch is operative. This flap control overrides the port control.</i> |
| 8 TAIL PLANE STANDBY CONTROL
<i>Lift cover fully to operate switch. When cover is fully lifted it automatically trips the circuit breaker of the tail plane actuator main motor</i> | 28 TURN AND SLIP INDICATOR | 57 UNDERCARRIAGE CONTROL
<i>Interlocking push switches. Top for UP, centre for DOWN. Selection of bottom push button gives control to the port selector switches. Clockwise rotation of outer ring of UP button overrides the safety lock. Operation of this control overrides the port control</i> |
| 9 AIR BRAKE CONTROL | 29 TURN AND SLIP STANDBY SWITCH | 58 TAIL PLANE INCIDENCE CONTROL (Normal) |
| 10 UNDERCARRIAGE INDICATOR
<i>Light sequence :—
GREEN Undercarriage locked down
RED Undercarriage in process of retraction or lowering
ALL OFF Undercarriage locked up</i> | 30 AUTOSTABILIZER SWITCH | 59 ANTI-G PRESSURE GAUGE |
| 11 UNDERCARRIAGE WARNING LIGHT
<i>Lights when throttle is approximately $\frac{1}{2}$ open and the undercarriage is not locked down</i> | 31 TAIL PLANE INCIDENCE CONTROL (Normal) | 60 AILERON AND ELEVATOR POWER CONTROL OVERRIDE SWITCHES |
| 12 AIR BRAKE INDICATOR | 32 PRESSURE HEAD HEATER SWITCH | 61 TAIL PLANE TRIM CUT-OUT SWITCH |
| 13 UNDERCARRIAGE CONTROL
<i>Interlocking push switches. Top for UP, bottom for DOWN. Operative only when bottom button of starboard control is depressed. Clockwise rotation of outer ring of UP button overrides the safety lock</i> | 33 AILERON SPRING FEEL UNIT | 62 AILERON AND RUDDER TRIM TAB POSITION INDICATORS |
| 14 FLAP CONTROL | 34 AIR BRAKE CONTROL | 63 ANTI-G TEST BUTTON |
| 15 AILERON POWER CONTROL SWITCH | 35 CABIN ALTIMETER | 64 AILERON TRIM TAB CONTROL AND LOCK |
| 16 ELEVATOR POWER CONTROL INDICATOR
<i>Indicates white with power OFF</i> | 36 TAIL PLANE ' FOLLOW-UP ' SWITCH | 65 OXYGEN REGULATOR |
| 17 AILERON POWER CONTROL INDICATOR
<i>Indicates white with power OFF</i> | 37 CABIN PRESSURE WARNING LIGHT | 66 AIR BRAKE TEST SWITCH |
| 18 ELEVATOR POWER CONTROL SWITCH | 38 ACCELEROMETER | 67 ANTI-G SUIT CONTROL |
| 19 TAIL PLANE POSITION INDICATOR | 39 STANDBY COMPASS | 68 ANTI-G TEST BUTTON |
| 20 MACHMETER | 40 OXYGEN CONTENTS GAUGE | 69 PARACHUTE BRAKE CONTROL |
| | 41 OXYGEN REGULATOR | 70 PARACHUTE STREAM LIGHT |
| | 42 RUDDER BAR REACH CONTROL
<i>For adjustment of rudder bar for leg reach</i> | 71 PARACHUTE BRAKE CONTROL |
| | 43 ALTIMETER | 72 ARRESTER HOOK SELECTOR SWITCH |
| | 44 MACHMETER | 73 ARRESTER HOOK WARNING LAMP |
| | 45 ELEVATOR POWER CONTROL INDICATOR
<i>Indicates white with power OFF</i> | 74 ARRESTER HOOK SELECTOR SWITCH |
| | 46 AIRSPEED INDICATOR | |
| | 47 AILERON POWER CONTROL INDICATOR
<i>Indicates white with power OFF</i> | |
| | 48 OXYGEN FLOW INDICATOR | |
| | 49 ARTIFICIAL HORIZON | |

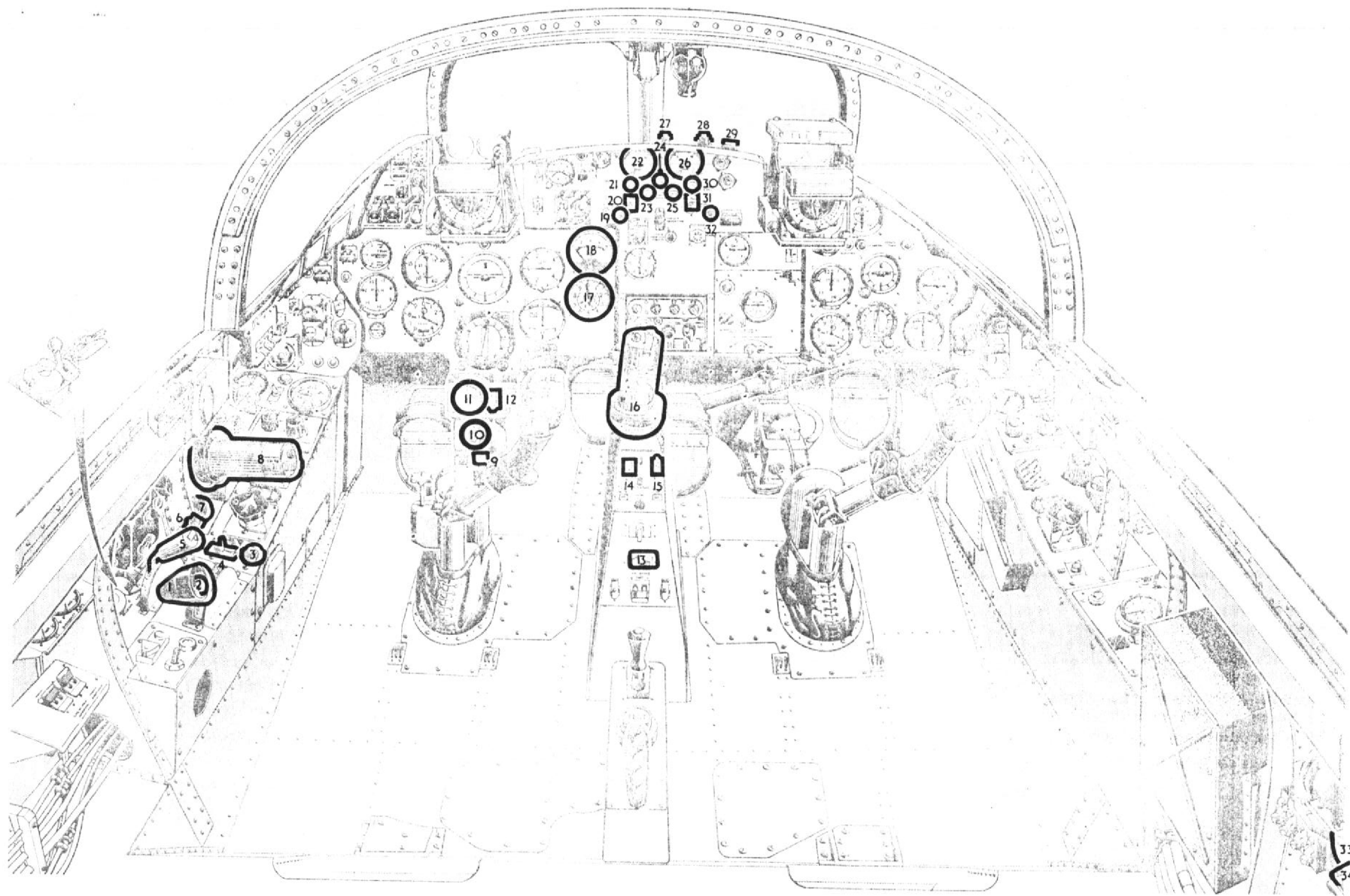


Fig.2 Engine controls and instruments - Mk. 8

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KEY TO FIG. 2
(Engine controls and instruments—MK. 8)

- | | | |
|---|---|---|
| 1 HIGH PRESSURE FUEL COCK CONTROL | 13 STARTER CIRCUIT BREAKER | 25 OUTBOARD DROP TANKS EMPTY INDICATOR—STARBOARD |
| 2 ENGINE RELIGHT SWITCH | 14 ENGINE ANTI-ICING INDICATOR | 26 FUEL CONTENTS GAUGE—STARBOARD TANKS |
| 3 FUEL PUMP ISOLATED WARNING LAMP | 15 ENGINE ANTI-ICING SWITCH | 27 PUMP CIRCUIT BREAKER—PORT |
| 4 FUEL PUMP ISOLATING SWITCH
<i>Normally wired locked. Broken wire indicates use</i> | 16 THROTTLE | 28 PUMP CIRCUIT BREAKER—STARBOARD |
| 5 LOW PRESSURE FUEL COCK CONTROL | 17 TACHOMETER | 29 FUEL CONTENTS CHECK SWITCH |
| 6 JET PIPE TEMPERATURE CONTROL CUT-OUT SWITCH | 18 EXHAUST GAS THERMOMETER | 30 FUEL TRANSFER FAILURE INDICATOR—STARBOARD |
| 7 THROTTLE DAMPER | 19 FUEL BOOSTER PUMP FAILURE WARNING LIGHT—PORT | 31 FUEL BOOSTER PUMP SWITCH—STARBOARD |
| 8 THROTTLE | 20 FUEL BOOSTER PUMP SWITCH—PORT | 32 FUEL BOOSTER PUMP FAILURE WARNING LIGHT—STARBOARD |
| 9 ENGINE MASTER SWITCH | 21 FUEL TRANSFER FAILURE INDICATOR—PORT | 33 AMMETER TEST SOCKET
<i>Used for test before flight</i> |
| 10 STARTER PUSH SWITCH | 22 FUEL CONTENTS GAUGE—PORT TANKS | 34 FUEL PUMPS TEST SWITCH
<i>Used for test before flight</i> |
| 11 OIL PRESSURE GAUGE | 23 OUTBOARD DROP TANKS EMPTY INDICATOR—PORT | |
| 12 IGNITION SWITCH | 24 FUEL LOW PRESSURE WARNING LIGHT | |

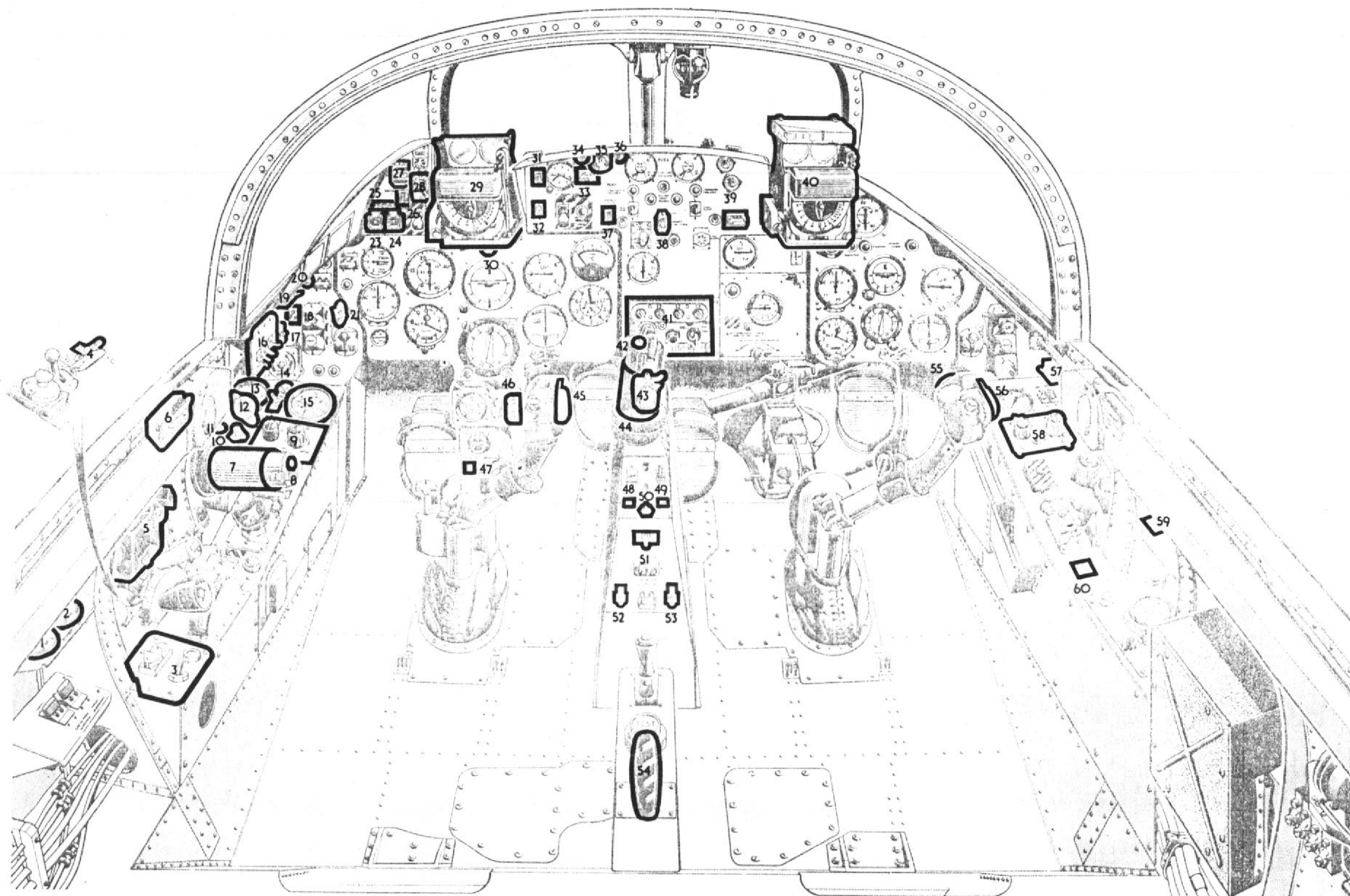


Fig.3 Armament, navigation, signalling, radio, and miscellaneous-Mk.8

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KEY TO FIG. 3

(Armament, navigation, signalling, radio and miscellaneous—MK. 8)

- | | | |
|---|--|--|
| 1 EMERGENCY AIR GAUGE—UNDERCARRIAGE | 22 <i>Not used</i> | 42 PRESS TO TRANSMIT SWITCH |
| 2 EMERGENCY AIR GAUGE—FLAPS | 23 JETTISON SWITCH FOR STORES ON OUTBOARD PYLONS | 43 STANDBY COMPASS LAMP SELECTOR AND DIMMER SWITCHES |
| 3 PARACHUTE BRAKE TEST SWITCH, FUSE AND CIRCUIT BREAKER | 24 JETTISON SWITCH FOR STORES ON INBOARD PYLONS | 44 GYRO GUNSIGHT RANGE CONTROL |
| 4 FLOOD AIRFLOW SWITCH | 25 ' CLEAR AIRCRAFT ' SWITCH BAR | 45 BOMB/R.P. FIRING SWITCH SAFETY FLAP
<i>Lift flap to operate switch</i> |
| 5 Z.B.X. CONTROL UNIT AND JUNCTION BOX | 26 FUZING SWITCH | 46 GENERATOR WARNING LIGHTS |
| 6 STOWAGE FOR SAFETY PINS | 27 BOMB/R.P. SELECTOR SWITCH | 47 BATTERY MASTER SWITCH |
| 7 GYRO GUNSIGHT RANGE CONTROL | 28 | 48 INVERTER MAIN/STANDBY INDICATOR
<i>Artificial horizon and oil pressure</i> |
| 8 PRESS TO TRANSMIT SWITCH | 29 GYRO GUNSIGHT | 49 INVERTER MAIN/STANDBY INDICATOR
<i>Compass and miscellaneous</i> |
| 9 GYRO GUNSIGHT CONTROL | 30 STANDBY INVERTER INDICATOR | 50 CENTRE CONSOLE LIGHTS SWITCH |
| 10 TELEBRIEFING PUSH SWITCH | 31 GYRO GUNSIGHT CONTROL SWITCH | 51 MUTING SWITCH |
| 11 TELEBRIEFING LIGHT | 32 AUDIO WARNING CUT-OUT SWITCH | 52 INVERTER NORMAL/STANDBY SELECTOR SWITCH
<i>Artificial horizon and oil pressure</i> |
| 12 UNDERCARRIAGE EMERGENCY CONTROL | 33 HOOD CONTROL SWITCH | 53 INVERTER NORMAL/STANDBY SELECTOR SWITCH
<i>Compass and miscellaneous</i> |
| 13 BRAKES ACCUMULATOR PRESSURE GAUGE | 34 HOOD LOCKED WARNING LAMP | 54 HOOD JETTISON CONTROL |
| 14 RADAR SUPPLY SWITCH AND INDICATOR | 35 FIRE WARNING LIGHT AND EXTINGUISHER PUSH SWITCH | 55 GUN FIRING TRIGGER |
| 15 TRIPLE PRESSURE GAUGE
<i>Brakes and hydraulic systems pressures</i> | 36 FIRE WARNING LAMP TEST SWITCH
<i>Push to test fire warning lamp bulb</i> | 56 BOMB/R.P. FIRING SWITCH SAFETY FLAP
<i>Lift flap to operate switch</i> |
| 16 U.H.F. CONTROL SWITCHES | 37 EMERGENCY LIGHTS SWITCH | 57 AUTO-TONE CANCELLATION SWITCH |
| 17 AUTO-TONE CANCELLATION SWITCH | 38 TARGET REJECT SWITCH | 58 GYRO GUNSIGHT CONTROL |
| 18 RADAR PRESENTATION SWITCH | 39 NAVIGATION LIGHTS SWITCH | 59 INTERCOMMUNICATION SWITCHES |
| 19 U.H.F. AERIAL SELECTOR SWITCH | 40 GYRO GUNSIGHT AND RECORDER | 60 ARMAMENT GROUND TEST SWITCH
<i>Operate by use of ground test key</i> |
| 20 HYDRAULIC FAILURE WARNING LIGHT | 41 U.H.F. CONTROL PANEL | |
| 21 FLAPS EMERGENCY CONTROL | | |

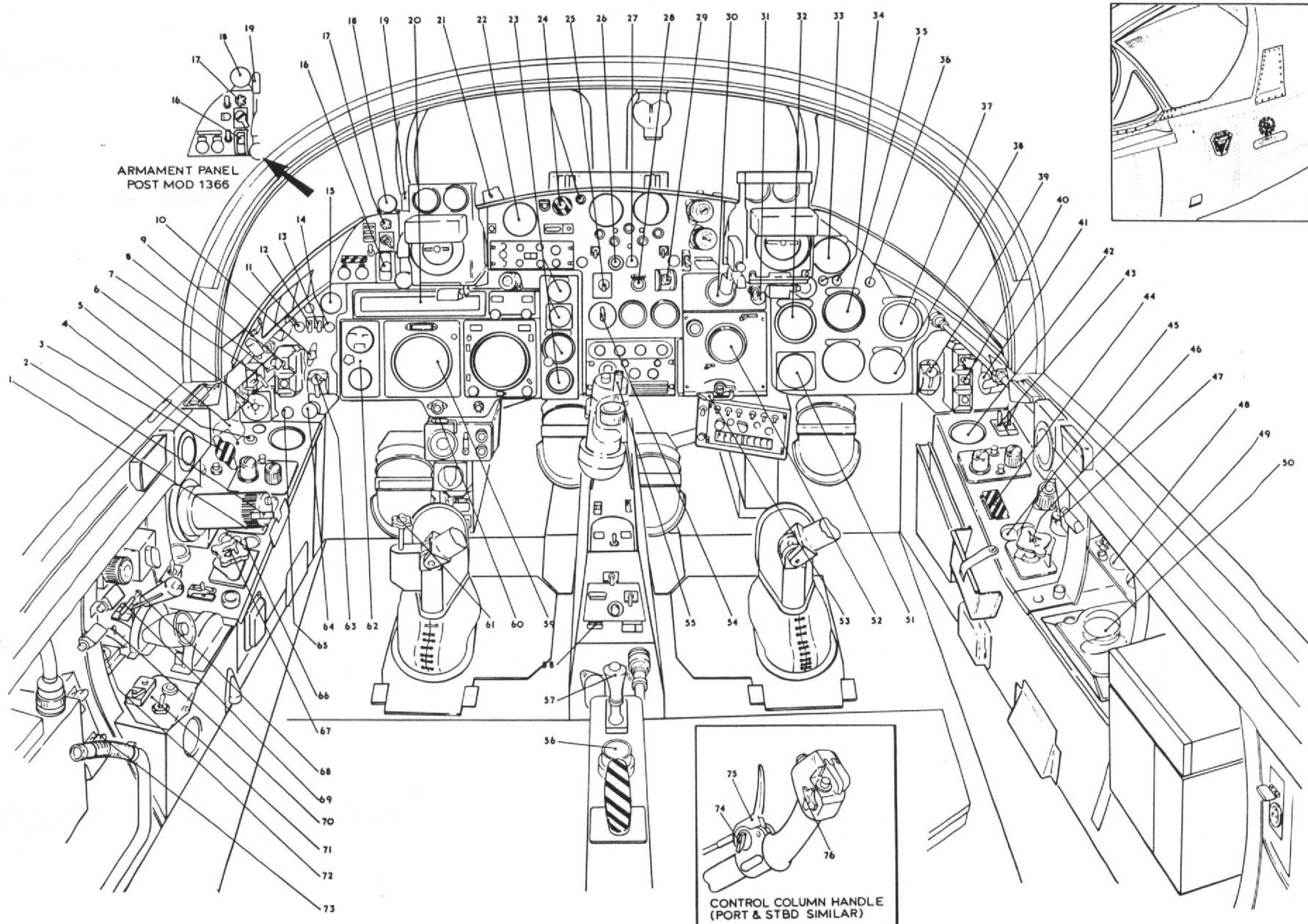


Fig. 4 Flying controls and instruments — Mk. 8B

◀ (Completely revised) ▶

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KEY TO FIG. 4

(Flying controls and instruments — Mk.8B)

◀ (Completely revised) ▶

- | | | |
|--|--|---|
| 1 TAIL PLANE TRIM STANDBY CONTROL SWITCH | 25 TAIL PLANE SELECTOR SWITCH | 51 ALTIMETER |
| 2 AIR BRAKE CONTROL SWITCH | 26 ARRESTING HOOK WARNING LAMP | 52 OXYGEN DEMAND REGULATOR |
| 3 UNDERCARRIAGE EMERGENCY CONTROL | 27 ARRESTING HOOK SELECTOR SWITCH | 53 RUDDER BAR ADJUSTMENT CONTROL LEVER
For adjustment of rudder bar for leg reach |
| 4 AIR BRAKE INDICATOR | 28 CABIN PRESSURE WARNING LAMP | 54 STANDBY FLIGHT INSTRUMENTS SYSTEM NORMAL/EMERGENCY POWER SWITCH |
| 5 WHEEL BRAKE ACCUMULATOR PRESSURE GAUGE | 29 BRAKING PARACHUTE CONTROL SWITCH | 55 AIR BRAKE CONTROL SWITCH |
| 6 UNDERCARRIAGE INDICATOR
Lamp sequence:—
GREEN Undercarriage locked down
RED Undercarriage unlocked
ALL OFF Undercarriage locked up | 30 OXYGEN CONTENTS GAUGE | 56 ANTI-G VALVE TEST BUTTON |
| 7 ADD MASTER SWITCH | 31 STICK CENTRING WHITE SPOT | 57 ANTI-G CONTROL SELECTOR |
| 8 ADD AUDIO CONTROL UNIT | 32 MACHMETER | 58 AIR BRAKE TEST SWITCH |
| 9 UNDERCARRIAGE CONTROL SELECTOR SWITCH UNIT
Interlocking push switches. Top for UP, bottom for DOWN. Operative only when bottom push switch of starboard selector switch unit is depressed. Clockwise rotation of outer ring of UP push switch overrides the safety lock | 33 AIRSPEED INDICATOR | 59 ATTITUDE INDICATOR |
| 10 FLAP EMERGENCY CONTROL | 34 AILERON AND ELEVATOR POWER CONTROL INDICATORS
Indicate white with power OFF | 60 RUDDER BAR ADJUSTMENT CONTROL LEVER
For adjustment of rudder bar for leg reach |
| 11 AILERON POWER CONTROL INDICATOR
Indicates white with power OFF | 35 ARTIFICIAL HORIZON | 61 AILERON SPRING FEEL UNIT CONTROL HANDWHEEL |
| 12 AILERON POWER CONTROL SWITCH | 36 OXYGEN FLOW INDICATOR | 62 HEIGHT AND VERTICAL SPEED DISPLAY |
| 13 ELEVATOR POWER CONTROL SWITCH | 37 RATE OF CLIMB INDICATOR | 63 FLAP CONTROL SELECTOR SWITCH |
| 14 ELEVATOR POWER CONTROL INDICATOR
Indicates white with power OFF | 38 TURN AND SLIP INDICATOR | 64 FLAP POSITION INDICATOR |
| 15 TAIL PLANE POSITION INDICATOR | 39 FLAP CONTROL SELECTOR SWITCH
The stop plate must be released to allow the control lever to be moved upward, beyond the 'fully-up' position, before the port selector switch is operative. This selector switch overrides the port selector switch | 65 UNDERCARRIAGE WARNING LAMP
Illuminates when throttle is approximately 1/3 open and the undercarriage is not locked down |
| 16 ARRESTING HOOK SELECTOR SWITCH | 40 UNDERCARRIAGE CONTROL SELECTOR SWITCH UNIT
Interlocking push switches. Top for UP, centre for DOWN. Selection of bottom push switch gives control to the port selector switch unit. Clockwise rotation of outer ring of UP push switch overrides the safety lock. Operation of this selector switch unit overrides the port selector switch unit | 66 AILERON AND RUDDER TRIM TAB POSITION INDICATORS |
| 17 BRAKING PARACHUTE CONTROL SWITCH | 41 CABIN ALTIMETER | 67 AILERON AND RUDDER TRIM TAB CONTROL SWITCH AND AILERON TRIM LOCK
Operation in natural sense, i.e., aircraft responds to the attitude of the silhouette on the switch knob |
| 18 ADD INDICATOR | 42 ANTI-G AIR SUPPLY PRESSURE GAUGE | 68 CABIN FLOOD AIR SWITCH |
| 19 ADD APPROACH INDEX | 43 AILERON AND ELEVATOR POWER CONTROL OVERRIDE SWITCHES | 70 CABIN TEMPERATURE CONTROL SWITCH |
| 20 SPEED DISPLAY UNIT | 44 TAIL PLANE TRIM CUT-OUT SWITCH | 71 BRAKING PARACHUTE TEST SWITCH, FUSE AND CIRCUIT BREAKER |
| 21 BRAKING PARACHUTE STREAM WARNING LAMP | 45 AILERON AND RUDDER TRIM TAB POSITION INDICATORS | 72 CABIN TEMPERATURE SELECTOR SWITCH |
| 22 ACCELEROMETER | 46 AILERON TRIM TAB CONTROL SWITCH AND LOCK | 73 CABIN PRESSURE WARNING LAMP TEST SWITCH |
| 23 STANDBY FLIGHT INSTRUMENTS
Standby altimeter, standby airspeed indicator, standby direction indicator, standby artificial horizon | 47 ANTI-G VALVE TEST BUTTON | 74 WHEEL BRAKE PARKING LOCK |
| 24 FIRE WARNING LAMP, EXTINGUISHER PUSH SWITCH AND LAMP TEST PUSH SWITCH | 48 UNDERCARRIAGE EMERGENCY AIR PRESSURE GAUGE | 75 WHEEL BRAKE CONTROL LEVER |
| | 49 FLAP EMERGENCY AIR PRESSURE GAUGE | 76 TAIL PLANE INCIDENCE CONTROL SWITCH
Normal |
| | 50 OXYGEN DEMAND REGULATOR | |

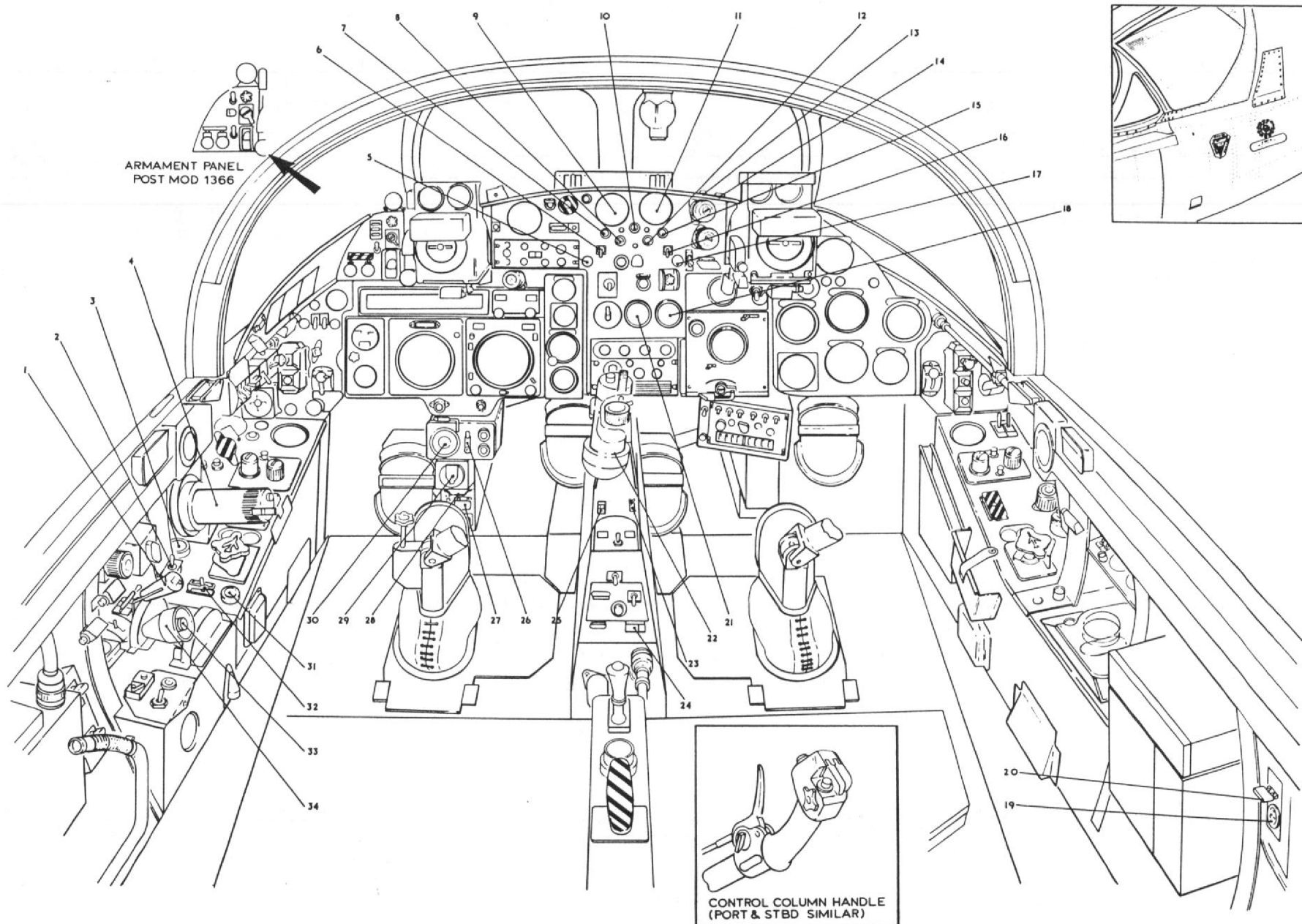


Fig. 5 Engine controls and instruments — Mk. 8B
◀ (Completely revised) ▶

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KEY TO FIG. 5

(Engine controls and instruments — Mk.8B)

◀ (Completely revised) ▶

- | | |
|---|--|
| 1 LOW PRESSURE FUEL COCK CONTROL
LEVER | 18 EXHAUST GAS THERMOMETER |
| 2 JET PIPE TEMPERATURE CONTROL CUT-OUT
SWITCH | 19 AMMETER TEST SOCKET
Used for test before flight |
| 3 THROTTLE DAMPER | 20 FUEL BOOSTER PUMPS TEST SWITCH
Used for test before flight |
| 4 THROTTLE | 21 TACHOMETER |
| 5 FUEL BOOSTER PUMP FAILURE WARNING
LAMP — PORT | 22 THROTTLE |
| 6 FUEL BOOSTER PUMP SWITCH — PORT | 23 ENGINE ANTI-ICING SWITCH |
| 7 FUEL TRANSFER FAILURE INDICATOR —
PORT | 24 ENGINE STARTER CIRCUIT BREAKER |
| 8 OUTBOARD DROP TANK EMPTY INDICATOR
— PORT TANK | 25 ENGINE ANTI-ICING INDICATOR |
| 9 FUEL CONTENTS GAUGE — PORT TANKS | 26 ENGINE IGNITION SWITCH |
| 10 FUEL LOW PRESSURE WARNING LAMP | 27 ENGINE MASTER SWITCH |
| 11 FUEL CONTENTS GAUGE — STARBOARD
TANKS | 28 ENGINE STARTER MASTER BAR |
| 12 OUTBOARD DROP TANK EMPTY INDICATOR
— STARBOARD TANK | 29 ENGINE STARTER PUSH SWITCH AND
COVER FLAP |
| 13 FUEL BOOSTER PUMP CIRCUIT BREAKERS | 30 ENGINE OIL PRESSURE GAUGE |
| 14 FUEL CONTENTS CHECK SWITCH | 31 ENGINE-DRIVEN FUEL PUMP ISOLATED
WARNING LAMP |
| 15 FUEL TRANSFER FAILURE INDICATOR —
STARBOARD | 32 ENGINE-DRIVEN FUEL PUMP ISOLATION
SWITCH
Normally wire locked. Broken wire indicates
use |
| 16 FUEL BOOSTER PUMP SWITCH —
STARBOARD | 33 ENGINE RELIGHT SWITCH |
| 17 FUEL BOOSTER PUMP FAILURE WARNING
LAMP — STARBOARD | 34 HIGH PRESSURE FUEL COCK CONTROL
LEVER |

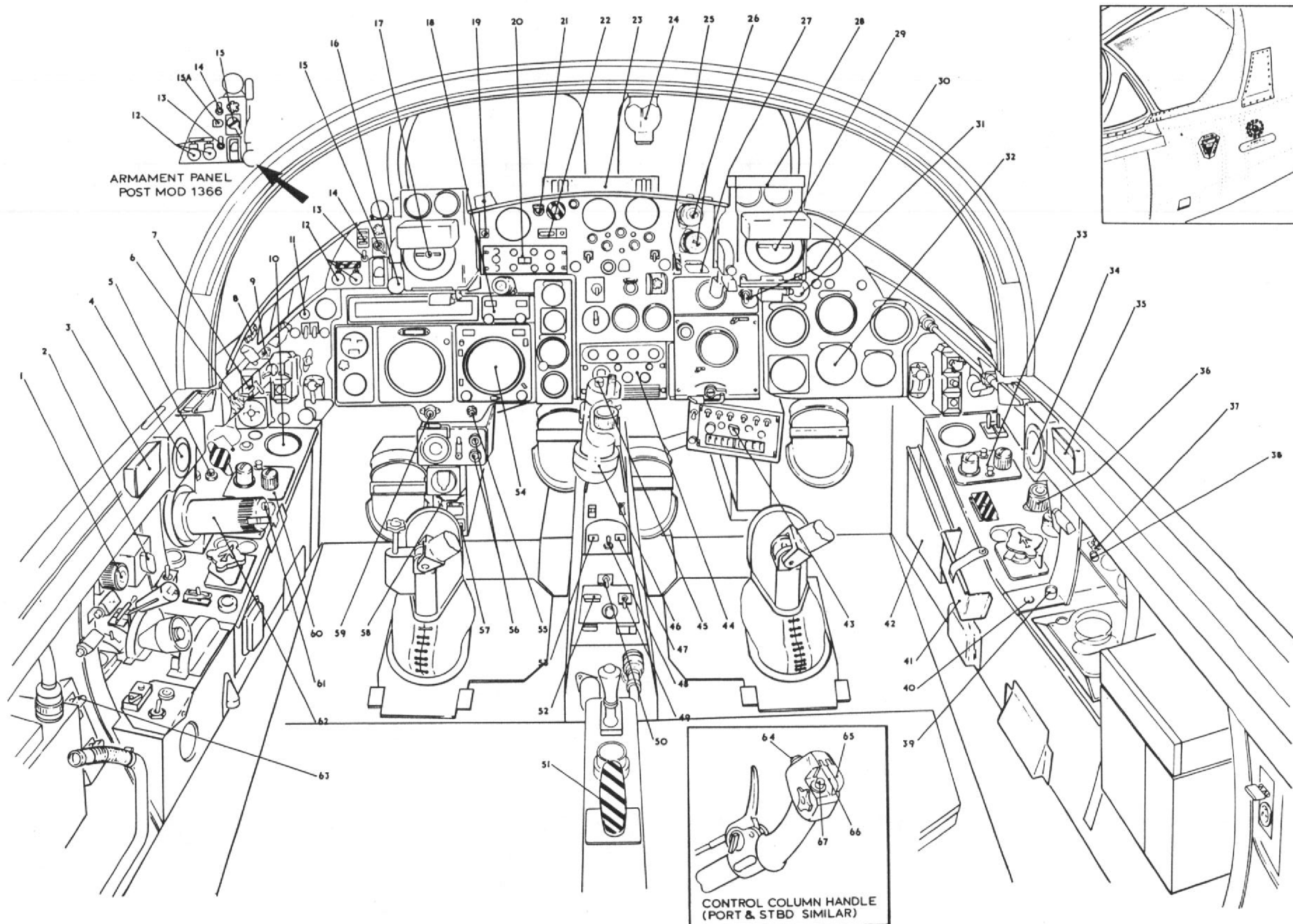


Fig. 6 Armament, navigation, signalling, radio and miscellaneous — Mk. 8B

◀ (Completely revised) ▶

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KEY TO FIG. 6

(Armament, navigation, signalling, radio and miscellaneous - Mk.8B)

- | | | |
|---|---|--|
| 1 PORT SHELF LIGHTING DIMMER SWITCH | 23 GYRO GUNSIGHT AIR-TO-GROUND RANGE DRIVE PANEL | 44 UHF CONTROL UNIT |
| 2 BEACON JUNCTION BOX CONTROL SWITCH | 24 STANDBY COMPASS | 45 PRESS-TO-TRANSMIT SWITCH |
| 3 SAFETY PINS STOWAGE
Port ejection seat and hood jettison pins | 25 HYDRAULIC FAILURE AUDIO WARNING CUT-OUT SWITCH | 46 GYRO GUNSIGHT RANGE CONTROL
TWISTGRIP - Not in use |
| 4 HOOD LOCK INDICATOR - PORT | 26 CENTRE INSTRUMENT PANEL LIGHTING DIMMER SWITCHES | 47 INVERTER INDICATOR - No.2 GROUP |
| 5 TELE-BRIEFING PUSH SWITCH AND LAMP | 27 NAVIGATION LAMPS SWITCH | 48 CENTRE CONSOLE LIGHTING SWITCH |
| 6 UHF CONTROL SWITCHES | 28 GYRO GUNSIGHT CAMERA RECORDER | 49 STANDBY INVERTER SWITCH |
| 7 INBOARD/OUTBOARD PYLON SELECTOR SWITCH | 29 GYRO GUNSIGHT | 50 UHF MUTING SWITCH |
| 8 SAFETY PIN STOWAGE
Hood jettison servicing pin | 30 ANTI-COLLISION LAMPS SWITCH | 51 HOOD JETTISON CONTROL HANDLE |
| 9 PORT INSTRUMENT PANEL LIGHTING DIMMER SWITCH | 31 STARBOARD INSTRUMENT PANEL LIGHTING DIMMER SWITCH | 52 INVERTER CHANGEOVER SWITCH |
| 10 HYDRAULIC TRIPLE PRESSURE GAUGE
Wheel brake and main hydraulic systems pressure | 32 GYRO COMPASS REPEATER | 53 INVERTER INDICATOR - No.1 GROUP |
| 11 HYDRAULIC FAILURE WARNING LAMP | 33 GYRO GUNSIGHT CONTROL UNIT | 54 NAVIGATION DISPLAY |
| 12 PYLON STORES JETTISON SWITCHES AND 'CLEAR AIRCRAFT' JETTISON SWITCH BAR | 34 HOOD LOCK INDICATOR - STARBOARD | 55 IFIS AND LEG PANEL LIGHTING DIMMER SWITCH |
| 13 BOMB FUZING SWITCH | 35 SAFETY PINS STOWAGE
Starboard ejection seat pins | 56 GENERATOR POWER FAILURE WARNING LAMPS |
| 14 BOMB/RP SELECTOR SWITCH | 36 STARBOARD SHELF LIGHTING DIMMER SWITCH | 57 PRESSURE HEAD HEATER SWITCH |
| 15 RP SELECTOR SWITCH | 37 INTERCOMMUNICATION SWITCHES | 58 BATTERY MASTER SWITCH |
| 15A RP RIPPLE/SALVO/SNEB SELECTOR SWITCH | 38 MASTER ARMAMENT SAFETY BREAK TEST SWITCH AND LAMP | 59 MASTER REFERENCE GYRO FAST ERECTION SWITCH |
| 16 WINDSCREEN WIPER CONTROL KNOB | 39 MASTER REFERENCE GYRO FAST ERECTION SWITCH | 60 GYRO GUNSIGHT CONTROL UNIT |
| 17 GYRO GUNSIGHT | 40 BUTT TEST SWITCH
Operated by use of a test switch key | 61 PRESS-TO-TRANSMIT SWITCH |
| 18 TACAN OFFSET COMPUTER | 41 GYRO GUNSIGHT CAMERA RECORDER STOWAGE | 62 GYRO GUNSIGHT RANGE CONTROL
TWISTGRIP - Not in use |
| 19 GYRO GUNSIGHT MASTER SWITCH | 42 MAP STOWAGE | 63 HOOD OVERRIDE SWITCH |
| 20 TACAN CONTROL UNIT | 43 IFF/SSR CONTROL UNIT | 64 GUN FIRING TRIGGER |
| 21 HOOD LOCKED WARNING LAMP | | 65 BOMB/RP SWITCH AND SAFETY FLAP |
| 22 HOOD CONTROL SWITCH | | 66 GUN FIRING SAFETY FLAP AND TRIGGER RELEASE |
| | | 67 CAMERA CONTROL PUSH SWITCH |

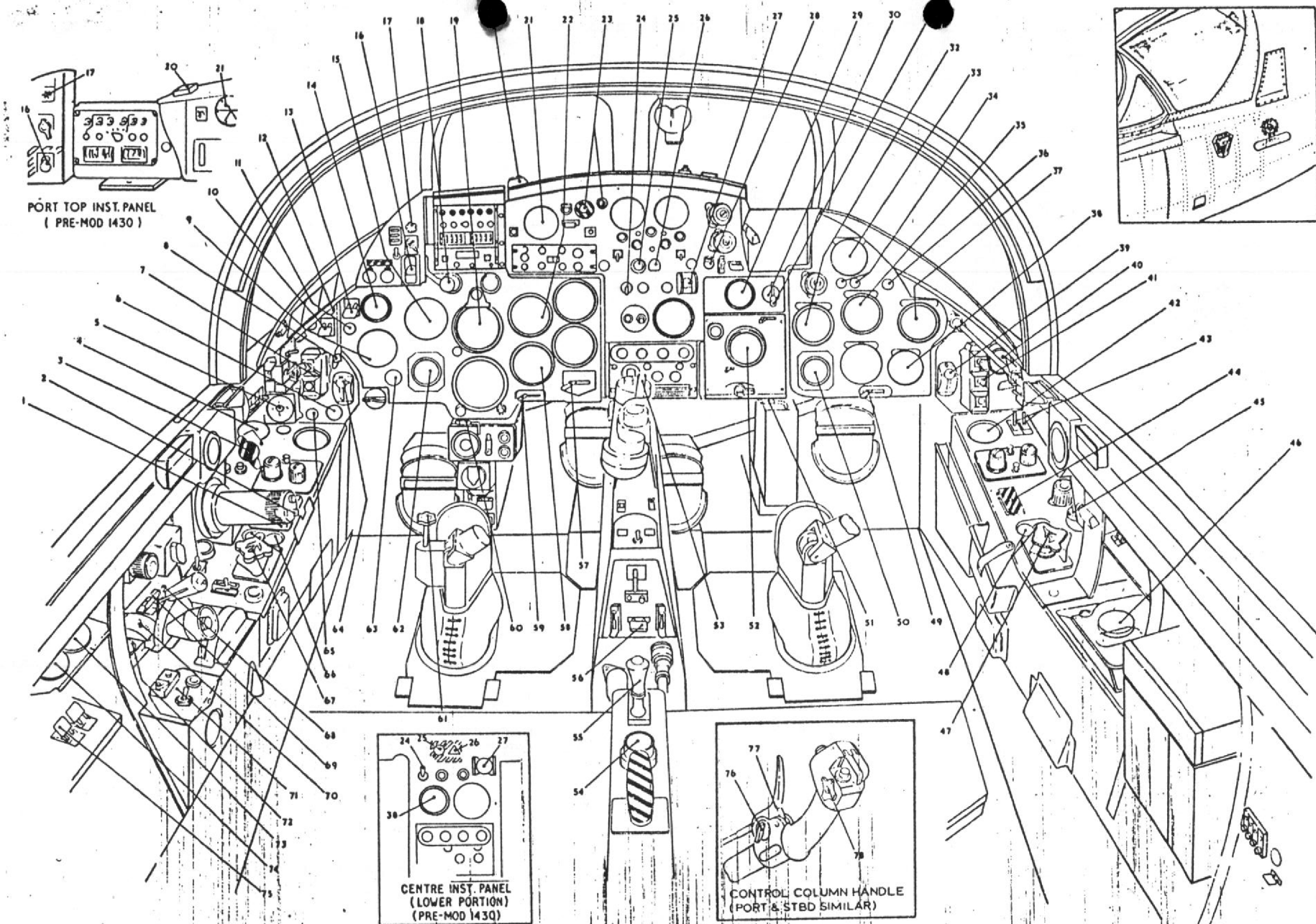


Fig.7 Flying controls and instruments — Mk.8C
 ► (Mods 1380 and 1480 added) ◀

KEY TO FIG. 7

(Flying controls and instruments - Mk. 8C)

- 1 TAIL PLANE TRIM STANDBY CONTROL SWITCH
- 2 AIR BRAKE CONTROL SWITCH
- 3 UNDERCARRIAGE EMERGENCY CONTROL
- 4 WHEEL BRAKE ACCUMULATOR PRESSURE GAUGE
- 5 UNDERCARRIAGE INDICATOR
Lamp sequence:-
GREEN Undercarriage locked down
RED Undercarriage unlocked
ALL OFF Undercarriage locked up
- 6 AIR BRAKE INDICATOR
- 7 UNDERCARRIAGE CONTROL SELECTOR SWITCH UNIT
Interlocking push switches. Top for UP, bottom for DOWN. Operative only when bottom push switch of starboard selector switch unit is depressed. Clockwise rotation of outer ring of UP push switch overrides the safety lock
- 8 FLAP EMERGENCY SELECTOR
- 9 MACHMETER
- 10 AILERON POWER CONTROL SWITCH
- 11 AILERON POWER CONTROL INDICATOR
Indicates white with power OFF
- 12 ELEVATOR POWER CONTROL INDICATOR
Indicates white with power OFF
- 13 ELEVATOR POWER CONTROL SWITCH
- 14 TAIL PLANE POSITION INDICATOR
- 15 AIRSPEED INDICATOR
- 16 ARRESTING HOOK SELECTOR SWITCH
- 17 BRAKING PARACHUTE CONTROL SWITCH
- 18 STICK CENTRING WHITE SPOT
- 19 ARTIFICIAL HORIZON
- 20 BRAKING PARACHUTE STREAM WARNING LAMP
- 21 ACCELEROMETER
- 22 RATE OF CLIMB INDICATOR
- 23 FIRE WARNING LAMP, EXTINGUISHER PUSH SWITCH AND LAMP TEST PUSH SWITCH
- 24 TAIL PLANE SELECTOR SWITCH
- 25 ARRESTING HOOK WARNING LAMP
- 26 ARRESTING HOOK SELECTOR SWITCH

- 27 BRAKING PARACHUTE CONTROL SWITCH
- 28 CABIN PRESSURE WARNING LAMP
- 29 OXYGEN CONTENTS GAUGE
- 30 STICK CENTRING WHITE SPOT
- 31 AUTOSTABILIZER SWITCH
- 32 MACHMETER
- 33 AIRSPEED INDICATOR
- 34 AILERON AND ELEVATOR POWER CONTROL INDICATORS
Indicate white with power OFF
- 35 ARTIFICIAL HORIZON
- 36 OXYGEN FLOW INDICATOR
- 37 RATE OF CLIMB INDICATOR
- 38 TURN AND SLIP INDICATOR
- 39 FLAP CONTROL SELECTOR SWITCH
The stop plate must be released to allow the control lever to be moved upward, beyond the 'fully-up' position, before the port selector switch is operative. This selector switch overrides the port selector switch
- 40 CABIN ALTIMETER
- 41 UNDERCARRIAGE CONTROL SELECTOR SWITCH UNIT
Interlocking push switches. Top for UP, centre for DOWN. Selection of bottom push switch gives control to the port selector switch unit. Clockwise rotation of outer ring of UP push switch overrides the safety lock. Operation of this selector switch unit overrides the port selector switch unit
- 42 ANTI-G AIR SUPPLY PRESSURE GAUGE
- 43 AILERON AND ELEVATOR POWER CONTROL OVERRIDE SWITCHES
- 44 TAIL PLANE TRIM CUT-OUT SWITCH
- 45 ANTI-G VALVE TEST BUTTON
- 46 OXYGEN DEMAND REGULATOR
- 47 AILERON TRIM TAB CONTROL SWITCH AND LOCK
- 48 AILERON AND RUDDER TRIM TAB POSITION INDICATORS
- 49 TURN AND SLIP INDICATOR STANDBY SWITCH
- 50 ALTIMETER
- 51 RUDDER BAR ADJUSTMENT CONTROL LEVER
For adjustment of rudder bar for leg reach

- 52 OXYGEN DEMAND REGULATOR
- 53 AIR BRAKE CONTROL SWITCH
- 54 ANTI-G VALVE TEST BUTTON
- 55 ANTI-G CONTROL SELECTOR
- 56 AIR BRAKE TEST SWITCH
- 57 ALTIMETER NORMAL/STANDBY POWER SUPPLY SWITCH
- 58 TURN AND SLIP INDICATOR
- 59 TURN AND SLIP INDICATOR STANDBY SWITCH
- 60 RUDDER BAR ADJUSTMENT CONTROL LEVER
For adjustment of rudder bar for leg reach
- 61 AILERON SPRING FEEL CONTROL UNIT HANDWHEEL
- 62 ALTIMETER
- 63 FLAP POSITION INDICATOR
- 64 FLAP CONTROL SELECTOR SWITCH
- 65 UNDERCARRIAGE WARNING LAMP
Illuminates when throttle is approximately 1/3 open and the undercarriage is not locked down
- 66 AILERON AND RUDDER TRIM TAB POSITION INDICATORS
- 67 AILERON AND RUDDER TRIM TAB CONTROL SWITCH AND AILERON TRIM LOCK
Operation in natural sense, i.e., aircraft responds to the attitude of the silhouette on the switch knob
- 68 CABIN FLOOD AIR FLOW SWITCH
- 69 CABIN PRESSURE CONTROL SWITCH
- 70 CABIN TEMPERATURE CONTROL SWITCH
- 71 BRAKING PARACHUTE TEST SWITCH, FUSE AND CIRCUIT BREAKER
- 72 CABIN TEMPERATURE SELECTOR SWITCH
- 73 FLAP EMERGENCY AIR PRESSURE GAUGE
- 74 UNDERCARRIAGE EMERGENCY AIR PRESSURE GAUGE
- 75 CABIN PRESSURE WARNING LAMP TEST SWITCH
- 76 WHEEL BRAKE PARKING LOCK
- 77 WHEEL BRAKE CONTROL LEVER
- 78 TAIL PLANE INCIDENCE CONTROL SWITCH
Normal

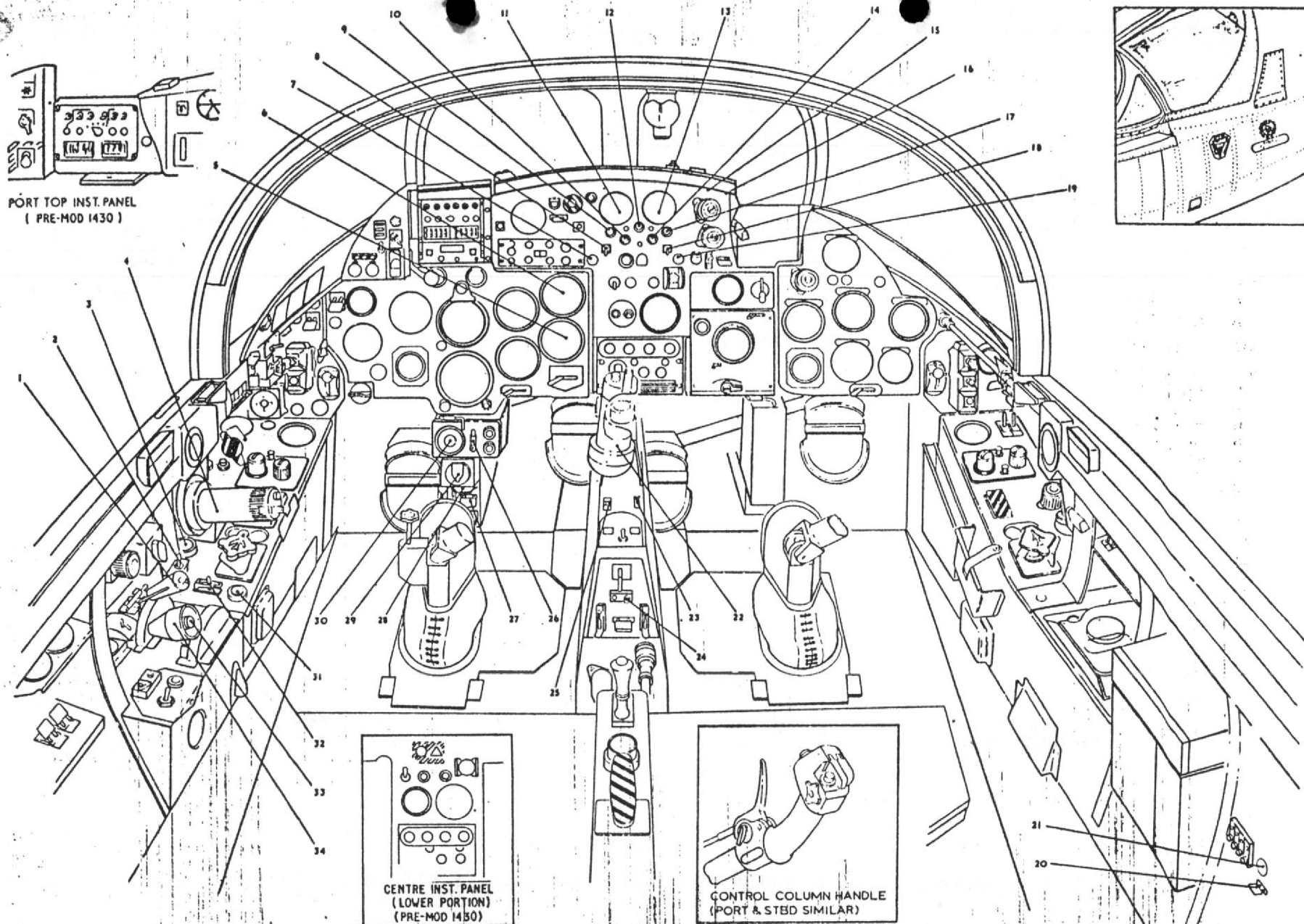


Fig.8 Engine controls and instruments — Mk.8C
 ► (Mods 1380 and 1430 added) ◀

KEY TO FIG. 8

(Engine controls and instruments - Mk. 8C)

- | | |
|---|--|
| 1 LOW PRESSURE FUEL COCK CONTROL
LEVER | 19 FUEL BOOSTER PUMP FAILURE WARNING
LAMP - STARBOARD |
| 2 JET PIPE TEMPERATURE CONTROL CUT-OUT
SWITCH | 20 FUEL BOOSTER PUMPS TEST SWITCH
Used for test before flight |
| 3 THROTTLE DAMPER | 21 AMMETER TEST SOCKET
Used for test before flight |
| 4 THROTTLE | 22 THROTTLE |
| 5 TACHOMETER | 23 ENGINE ANTI-ICING SWITCH |
| 6 EXHAUST GAS THERMOMETER | 24 ENGINE STARTER CIRCUIT BREAKER |
| 7 FUEL BOOSTER PUMP FAILURE WARNING
LAMP - PORT | 25 ENGINE ANTI-ICING INDICATOR |
| 8 FUEL BOOSTER PUMP SWITCH - PORT | 26 ENGINE IGNITION SWITCH |
| 9 FUEL TRANSFER FAILURE INDICATOR -
PORT | 27 ENGINE MASTER SWITCH |
| 10 OUTBOARD DROP TANK EMPTY INDICATOR -
PORT TANK | 28 ENGINE STARTER MASTER BAR |
| 11 FUEL CONTENTS GAUGE - PORT TANKS | 29 ENGINE STARTER PUSH SWITCH AND
COVER FLAP |
| 12 FUEL LOW PRESSURE WARNING LAMP | 30 ENGINE OIL PRESSURE GAUGE |
| 13 FUEL CONTENTS GAUGE - STARBOARD
TANKS | 31 ENGINE-DRIVEN FUEL PUMP ISOLATED
WARNING LAMP |
| 14 OUTBOARD DROP TANK EMPTY INDICATOR -
STARBOARD TANK | 32 ENGINE-DRIVEN FUEL PUMP ISOLATION
SWITCH
Normally wire locked. Broken wire indicates
use |
| 15 FUEL BOOSTER PUMP CIRCUIT BREAKERS | 33 ENGINE RELIGHT SWITCH |
| 16 FUEL CONTENTS CHECK SWITCH | 34 HIGH PRESSURE FUEL COCK CONTROL
LEVER |
| 17 FUEL TRANSFER FAILURE INDICATOR -
STARBOARD | |
| 18 FUEL BOOSTER PUMP SWITCH -
STARBOARD | |

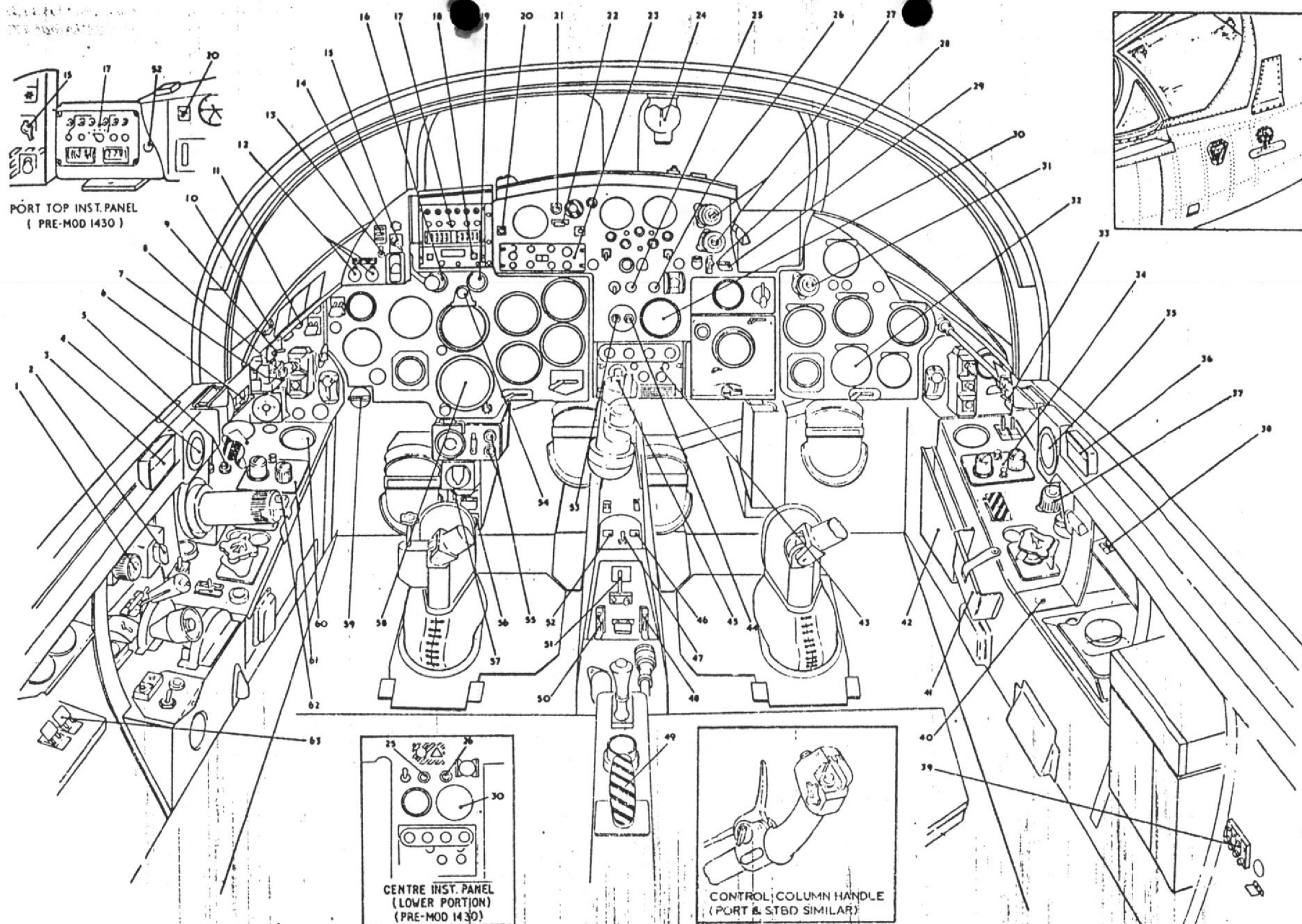


Fig.9 Armament, navigation, signalling, radio and miscellaneous — Mk.8C
 (Mods 1380 and 1430 added)

KEY TO FIG. 9

(Armament, navigation, signalling, radio and miscellaneous - Mk. 8C)

- | | | |
|--|--|---|
| 1 PORT SHELF LIGHTING DIMMER SWITCH | 21 HOOD LOCKED WARNING LAMP | 42 MAP STOWAGE |
| 2 BEACON JUNCTION BOX CONTROL SWITCH | 22 HOOD CONTROL SWITCH | 43 UHF CONTROL UNIT |
| 3 SAFETY PINS STOWAGE
Port ejection seat and hood jettison pins | 23 TACAN CONTROL UNIT | 44 ANTI-COLLISION LAMPS SWITCH |
| 4 HOOD LOCK INDICATOR - PORT | 24 STANDBY COMPASS | 45 PRESS-TO-TRANSMIT SWITCH |
| 5 TELE-BRIEFING PUSH SWITCH AND LAMP | 25 TACAN POWER SUPPLY RESET PUSH SWITCH | 46 INVERTER INDICATOR - No.1 GROUP |
| 6 UHF CONTROL SWITCHES | 26 TACAN POWER SUPPLY FAILURE INDICATOR | 47 CENTRE CONSOLE LIGHTING SWITCH |
| 7 NOSE 'GRIMES' LAMP SWITCH AND INDICATOR | 27 CENTRE INSTRUMENT PANEL LIGHTING DIMMER SWITCHES | 48 INVERTER STANDBY AND RESET SELECTOR SWITCH - No.1 GROUP |
| 8 AUTO-TONE OVERRIDE SWITCH | 28 HYDRAULIC FAILURE AUDIO WARNING CUT-OUT SWITCH | 49 HOOD JETTISON CONTROL HANDLE |
| 9 UHF AERIAL SELECTOR SWITCH | 29 NAVIGATION LAMPS SWITCH | 50 INVERTER STANDBY AND RESET SELECTOR SWITCH - No.2 GROUP |
| 10 SAFETY PIN STOWAGE
Hood jettison servicing pin | 30 TACAN INDICATOR | 51 UHF MUTING SWITCH |
| 11 HYDRAULIC FAILURE WARNING LAMP | 31 STARBOARD INSTRUMENT PANEL LIGHTING DIMMER SWITCH | 52 INVERTER INDICATOR - No.2 GROUP |
| 12 PYLON STORES JETTISON SWITCHES AND 'CLEAR AIRCRAFT' JETTISON SWITCH BAR | 32 GYRO COMPASS REPEATER | 53 IFF/SSR FAILURE LAMP |
| 13 BOMB FUZING SWITCH
Not in use | 33 AUTO-TONE OVERRIDE SWITCH | 54 STANDBY INVERTER INDICATOR |
| 14 BOMB/RP SELECTOR SWITCH
Not in use | 34 GYRO GUNSIGHT CONTROL UNIT
Not in use | 55 GENERATOR POWER FAILURE WARNING LAMPS |
| 15 RP SELECTOR SWITCH
Not in use | 35 HOOD LOCK INDICATOR - STARBOARD | 56 PRESSURE HEAD HEATER SWITCH |
| 16 PORT INSTRUMENT PANEL LIGHTING DIMMER SWITCH | 36 SAFETY PINS STOWAGE
Starboard ejection seat pins | 57 BATTERY MASTER SWITCH |
| 17 IFF/SSR CONTROL UNIT | 37 STARBOARD SHELF LIGHTING DIMMER SWITCH | 58 GYRO COMPASS |
| 18 VHF CONTROL UNIT | 38 INTERCOMMUNICATION SWITCHES | 59 WINDSCREEN WIPER CONTROL KNOB |
| 19 PORT INSTRUMENT PANEL LIGHTING DIMMER SWITCH | 39 INVERTER CIRCUIT BREAKERS | 60 HYDRAULIC TRIPLE PRESSURE GAUGE
Wheel brake and main hydraulic systems pressure |
| 20 GYRO GUNSIGHT MASTER SWITCH
Not in use | 40 BUTT TEST SWITCH
Not in use | 61 GYRO GUNSIGHT CONTROL UNIT
Not in use |
| | 41 GYRO GUNSIGHT CAMERA RECORDER STOWAGE
Not in use | 62 PRESS-TO-TRANSMIT SWITCH |
| | | 63 HOOD OVERRIDE SWITCH |



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