

Chapter 1

PILOTS' CONTROLS AND EQUIPMENT

LIST OF CONTENTS

	Para.		Para.		Para.
<i>Cabin entrance door</i>	2	<i>Pilots' seats</i>	4	<i>Instrument practice screens</i>	6
<i>Windscreen</i>	3	<i>Anti-flash screens</i>	5	<i>Cup stowages</i>	7
				<i>Crew ration box</i>	8

LIST OF ILLUSTRATIONS

	Fig.		Fig.
<i>Engine and fuel controls</i>	1	<i>Miscellaneous controls</i>	4
<i>Flying controls</i>	2	<i>R.A.T.O. controls</i>	5
<i>Operational controls</i>	3		

1. This section serves as a general guide to the locations of the first and second pilots' controls and equipment. Where necessary, the keys to the illustrations set out the method of operation or any special conditions relative to the controls.

Cabin entrance door

2. The only entrance to the cabin is through the door on the port side. It is operated by a normal type handle on the inside and a flush fitting handle incorporating a lock, on the outside. ◀It is essential that the outside door-operating handle is pulled out to the full extent and that it is kept in this position *throughout the whole of its travel* from the open to the closed position and then finally pushed into the recess.▶ The door is fitted with a deflector shield to assist crew members when making an emergency escape by parachute.

Windscreen

3. A multi-panelled windscreen incorporating two direct-vision windows, one for each

pilot, is fitted. Thermal de-misting louvres, de-icing fluid sprays and windscreen wipers are fitted to assist in keeping clear vision in the panels facing the two pilots.

Pilots' seats

4. First and second pilots have Martin Baker ejection seats. They are ejectable after the hood has been jettisoned and the control handwheel disconnected from the elevator control. The operation of the hood and controls is described in Sect. 1, Chap. 3. A sanitary tube for each pilot is located on the appropriate side panel of the console.

Anti-flash screens

5. Mod. 2744 (anti-flash screens for the crew) introduces silicone rubber and glass-cloth screens to cover the pressure cabin windscreen and all the windows. The screens are retained in position by press studs and, when not in use, are stowed in a fabric satchel forward of the 2nd navigator's seat on the fuselage starboard side. Post-Mod.

3077, the screens are white on the outboard side and black inboard.

Instrument practice screens

6. Provision is made for fitting two-stage amber screens to the cockpit windows for instrument-flying practice. The screens are stowed in a valise and are retained at the R.A.F. Unit when not in use.

Cup stowages

7. On B/K Mk. 1 and B/K/PR Mk. 1 aircraft, Mod. 2966 introduces cup or soup container stowages for each pilot for use during prolonged flights involving in-flight refuelling. These stowages are mounted on the inboard face of each console.

Crew ration box

8. A crew ration box (Mod. 2695 and 2696), fitted centrally under the rear of the pilot's floor, is supported on rollers in guide rails attached by brackets to the floor members and is retained in position by spring-loaded latches.

RESTRICTED

KEY TO FIG. 1 (ENGINE AND FUEL CONTROLS)

Port fuel panel

- 1 PORT WING No. 2 TANK PUMP SWITCH
- 2 PORT WING No. 2 TANK CONTENTS GAUGE
- 3 PORT WING No. 1 TANK PUMP SWITCH
- 4 PORT WING No. 1 TANK CONTENTS GAUGE
- 5 PORT UNDERWING TANK LOW PRESSURE WARNING LAMP
- 6 PORT UNDERWING TANK PUMP SWITCH
- 7 PORT UNDERWING TANK CONTENTS GAUGE
- 8 PORT RESERVE TANK COCK INDICATOR
Indicates white when cock is open
- 9 PORT RESERVE TANK COCK SWITCH
- 10 PORT RESERVE TANK CONTENTS GAUGE
- 11 PORT FUSELAGE PUMP SWITCHES No. 1 AND No. 2
- 12 PORT FUSELAGE CELLS CONTENTS GAUGE
Select on item 13
- 13 PORT FUSELAGE CELLS CONTENTS SELECTOR SWITCH
1—2—3 TOTAL
- 14 BOMB BAY TANK PUMP SWITCH
MAIN ON—OFF—AUX. ON
Not on B Mk. 1
- 15 BOMB BAY TANK LOW PRESSURE WARNING LAMP
Not on B Mk. 1

Starboard fuel panel

- 16 FUEL CONTENTS POWER UNIT CHANGE-OVER SWITCH
NORMAL, C/O (up)
- 17 STARBOARD FUSELAGE CELLS CONTENTS SELECTOR SWITCH
1—2—3 TOTAL
- 18 STARBOARD FUSELAGE PUMP SWITCHES No. 1 AND No. 2
- 19 STARBOARD FUSELAGE CELLS CONTENTS GAUGE
Select on item 17
- 20 STARBOARD RESERVE TANK COCK SWITCH
- 21 STARBOARD RESERVE TANK CONTENTS GAUGE
- 22 STARBOARD RESERVE TANK COCK INDICATOR
Indicates white when cock is open
- 23 STARBOARD UNDERWING TANK PUMP SWITCH
MOTOR ON (up)—OFF (centre)—MOTOR TRIP, EMERG. ON
- 24 STARBOARD UNDERWING TANK CONTENTS GAUGE
- 25 STARBOARD UNDERWING TANK LOW PRESSURE WARNING LAMP
- 26 STARBOARD WING No. 1 TANK PUMP SWITCH
- 27 STARBOARD WING No. 1 TANK CONTENTS GAUGE
- 28 STARBOARD WING No. 2 TANK PUMP SWITCH
- 29 STARBOARD WING No. 2 TANK CONTENTS GAUGE
- 30 TRANSFER TANK/BOMB BAY CONTENTS GAUGE (Mod. 2296)
- 31 TRANSFER TANK PUMP SWITCH
- 32 TRANSFER TANK LOW PRESSURE WARNING LAMP

Dashboard top panel

- 33 No. 1 ENGINE MASTER COCK SWITCH
- 34 No. 1 ENGINE MASTER COCK INDICATOR
Indicates black when cock is open
- 35 No. 2 ENGINE MASTER COCK SWITCH
- 36 No. 2 ENGINE MASTER COCK INDICATOR
Indicates black when cock is open
- 37 FUEL FILTER DE-ICING SWITCH
ON (up)—OFF (centre)—TEST
- 38 FUEL FILTER ICING WARNING LAMP
Lamp lights when filter ices up
- 39 No. 3 ENGINE MASTER COCK SWITCH
- 40 No. 3 ENGINE MASTER COCK INDICATOR
Indicates black when cock is open
- 41 No. 4 ENGINE MASTER COCK SWITCH
- 42 No. 4 ENGINE MASTER COCK INDICATOR
Indicates black when cock is open
- 43 } FUEL LOW PRESSURE WARNING LAMPS
- 44 }
- 45 JET PIPE TEMPERATURE FUEL CONTROL SWITCH
NORMAL—ISOLATE (down)

Port coaming panel

- 46 PORT UNDERWING FUEL JETTISON SWITCH
- 47 STARBOARD UNDERWING FUEL JETTISON SWITCH
- 48 WATER/METHANOL MASTER SWITCH
(Pre-Mod. 2678)
(For switch post-Mod. 2678 see item 83)
- 49 WATER/METHANOL LOW PRESSURE WARNING LAMPS

Port console—top panel

- 50 ENGINE STARTER SELECTOR SWITCH
1—2—3—4
- 51 ENGINE STARTER PUSH SWITCH
- 52 ENGINE STARTER MASTER SWITCH
START (forward) SAFE (central) ISOLATE
- 53 ENGINE STARTING CYCLE INDICATOR LAMP
Do not select another engine on item 50 until lamp is out

Control pedestal—top panel

- 54 PORT WING TANK INTERCONNECTION COCK SWITCH
- 55 PORT WING TANK INTERCONNECTION COCK INDICATOR
Indicates white when cock is open
- 56 CROSS FEED COCK SWITCH
- 57 CROSS FEED COCK INDICATOR
Indicates white when cock is open
- 58 STARBOARD WING TANK INTERCONNECTION COCK SWITCH
- 59 STARBOARD WING TANK INTERCONNECTION COCK INDICATOR
Indicates white when cock is open
- 60 { THROTTLE LEVERS WITH AIR RELIGHT
PUSH SWITCHES THROTTLE CLAMP LEVERS
FREE (forward)—LOCK

Quarter panel above starboard console

- 61 FLOWMETER, STARBOARD
- 62 FLOWMETER, PORT
- 63 STARBOARD OUTER FLOWMETER BY-PASS SWITCH AND INDICATOR LAMP
METERING (up)—BY-PASS (lamp lights when metering)
- 64 STARBOARD INNER FLOWMETER BY-PASS SWITCH AND INDICATOR LAMP
METERING (up)—BY-PASS (lamp lights when metering)
- 65 PORT INNER FLOWMETER BY-PASS SWITCH AND INDICATOR LAMP
METERING (up)—BY-PASS (lamp lights when metering)
- 66 PORT OUTER FLOWMETER BY-PASS SWITCH AND INDICATOR LAMP
METERING (up)—BY-PASS (lamp lights when metering)

Instrument centre panel

- 67 JET PIPE TEMPERATURE INDICATORS
- 68 R.P.M. INDICATORS
- 69 OIL PRESSURE INDICATORS

Starboard coaming panel—air to air refuelling only (not for ground use)

- 70 PORT UNDERWING REFUELLING VALVE SWITCH
- 71 PORT WING TANK No. 2 REFUELLING VALVE SWITCH
- 72 PORT WING TANK No. 1 REFUELLING VALVE SWITCH
- 73 FUSELAGE RESERVE TANK REFUELLING VALVE SWITCH
- 74 FUSELAGE No. 1 CELL REFUELLING VALVE SWITCH
- 75 FUSELAGE No. 2 CELL REFUELLING VALVE SWITCH
- 76 FUSELAGE No. 3 CELL REFUELLING VALVE SWITCH
- 77 FUSELAGE TRANSFER AND BOMB-BAY TANK REFUELLING VALVE SWITCH
- 78 STARBOARD WING TANK No. 1 REFUELLING VALVE SWITCH
- 79 STARBOARD WING TANK No. 2 REFUELLING VALVE SWITCH
- 80 STARBOARD UNDERWING TANK REFUELLING VALVE SWITCH
Note.—Items 70 to 80 must be OFF for ground refuelling
- 81 TANKS FULL INDICATOR

Port console—rear panel

- 82 INTERNAL START SELECTOR SWITCH
- 83 WATER/METHANOL MASTER SWITCH (Mod. 2678). Post-Mod. 3004 this switch is just forward of the position indicated.
- 84 FLIGHT REFUELLING GALLERY PRESSURE GAUGE
- 85 BOMB-BAY REFUELLING TANK SWITCH (Mod. 2818)

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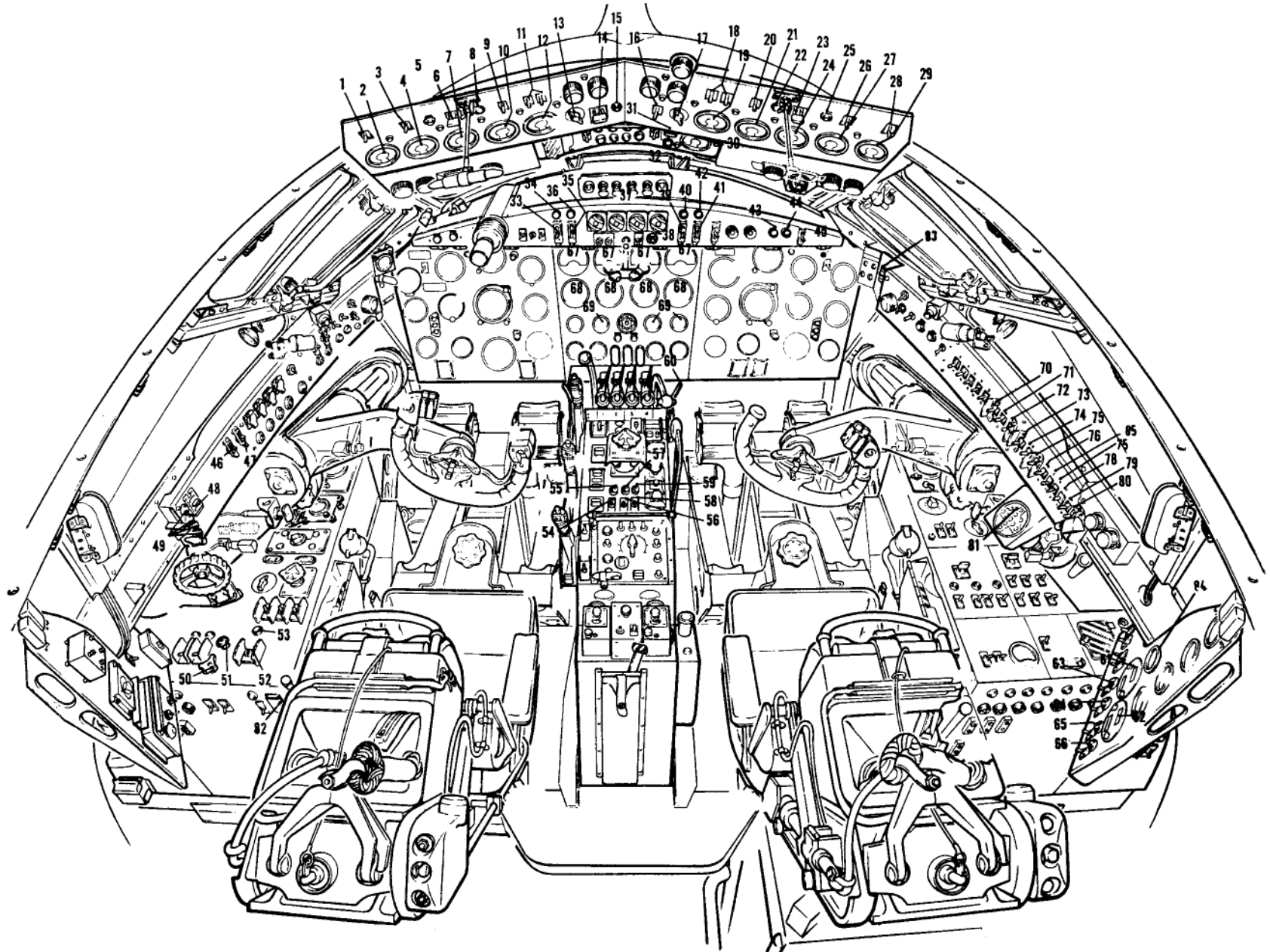


Fig. 1. Engine and fuel controls

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- 1 R.A.T.O. SUPPLY CIRCUIT BREAKER
- 2 FLAP EMERGENCY CONTACTOR RESET PUSH SWITCH AND INDICATOR LAMP
Indicates red when contactor is tripped
- 3 I.L.S. CONTROLLER PANEL AND SWITCH
- 4 RADIO COMPASS VOICE/RANGE FILTER (Mod. 2374)
- 5 ELEVATOR TRIM TAB MASTER SWITCH
- 6 RUDDER TRIM TAB MASTER SWITCH
- 7 AILERON TRIM TAB MASTER SWITCH
- 8 TRIM TAB CONTROL
- 9 ELEVATOR TRIM TAB POSITION INDICATOR
- 10 RUDDER AND AILERON TRIM TAB POSITION INDICATOR
- 11 NOSE WHEEL STEERING CONTROL
- 12 PORT ELEVATOR CONTROL DISCONNECT
Pull and turn clockwise to disconnect
- 13 COMPASS CONTROL PANEL
- 14 AUTO PILOT HEADING SELECTOR
- 15 1st PILOT'S HANDWHEEL ARM ADJUSTER
- 16 POWER CONTROL TRIP BUTTONS AND WARNING LAMPS
AILERON No. 1—AILERON No. 2—RUDDER & ELEVATOR No. 1—RUDDER & ELEVATOR No. 2. Lamp ON indicates unit failure. Channel will then be on half rate
- 17 R.A.T.O. MASTER SWITCH
SAFE (central)—ON (up) (Pre-Mod. 2331)
- 18 R.A.T.O. JETTISON SWITCH
SAFE (central)—JETTISON (up) (Pre-Mod. 2331)
- 19 R.A.T.O. JETTISON INDICATOR LAMPS (PORT AND STARBOARD)
Lamps light when ON is selected on item 17. Lamp out indicates stick jettisoned) (Pre-Mod. 2331)
- 20 PUMP No. 1—NOSEWHEEL STEERING AND BRAKE PRESSURE INDICATOR
Indicates when pumps are running
- 21 PUMP No. 2—NOSEWHEEL STEERING AND BRAKE PRESSURE INDICATOR
Indicates when pumps are running
Note.—Post-Mod. 1613 and pre-Mod. 2084 indicators show ON when pumps are running
Pre-Mod. 1613 and post-Mod. 2084 indicators show WHITE when pumps are running
- 22 1st PILOT'S REAR VIEW MIRROR
- 23 ACCELEROMETER
- 24 AIR TEMPERATURE INDICATOR (Mod. 2062)
- 25 ELEVATOR TRIM WARNING INDICATORS
DOWN—UP When lamp lights, trim elevator as indicated, using items 5 and 8
- 26 PORT FILAMENT SWITCH
- 27 LANDING LAMP SWITCH
LAND (left)—TAXI (right)—IN (down)
- 28 STARBOARD FILAMENT SWITCH
- 29 1st PILOT'S MACHMETER
- 30 1st PILOT'S PRESSURE HEAD HEATER SWITCH
- 31 1st PILOT'S AIR SPEED INDICATOR
- 32 1st PILOT'S ARTIFICIAL HORIZON
- 33 POWER CONTROLS MASTER FAILURE INDICATOR LAMP
- 34 1st PILOT'S RATE-OF-CLIMB INDICATOR
- 35 1st PILOT'S LOW LEVEL RADIO ALTIMETER INDICATOR
- 36 1st PILOT'S LOW LEVEL RADIO ALTIMETER 3-LAMP INDICATOR
- 37 1st PILOT'S ALTIMETER
- 38 1st PILOT'S G4B COMPASS GYRO INDICATOR
- 39 1st PILOT'S TURN-AND-SLIP INDICATOR
- 40 1st PILOT'S CABIN ALTIMETER
- 41 CLOCK
(Replaced by I.L.S. indicator, post-mod. 3032)
- 42 1st PILOT'S I.L.S. MARKER
- 43 1st PILOT'S I.L.S. INDICATOR
- 44 RADIO COMPASS BEARING INDICATOR
- 45 UNDERCARRIAGE POSITION INDICATOR
- 46 PORT UNDERCARRIAGE EMERGENCY LOCK INDICATOR
- 47 STARBOARD UNDERCARRIAGE EMERGENCY LOCK INDICATOR
- 48 AUTO PILOT TRIM INDICATOR (Mod. 2062)

KEY TO FIG. 2 (FLYING CONTROLS)

- 49 TAIL PLANE INCIDENCE INDICATOR
- 50 PORT FLAP POSITION INDICATOR
- 51 STARBOARD FLAP POSITION INDICATOR
- 52 DIVE BRAKES POSITION INDICATOR
- 53 RUDDER FEEL INDICATOR
- 54 AILERON FEEL INDICATOR
- 55 1st PILOT'S CONTROLS HANDWHEEL
- 56 1st PILOT'S AUTO PILOT INSTINCTIVE CUT-OUT SWITCH
- 57 1st PILOT'S TAIL PLANE INCIDENCE TRIMMING SWITCHES (Post-Mod. 2123)
Select 1st or 2nd PILOT on item 73, COARSE or FINE on item 74 and operate in natural sense until desired incidence is registered on item 49
- 58 1st PILOT'S TAIL PLANE INCIDENCE TRIMMING SWITCHES (Post-Mod. 2123)
Select 1st or 2nd PILOT on item 73, COARSE or FINE on item 74 and operate in natural sense until desired incidence is registered on item 49
- 59 1st PILOT'S BRAKE PARKING LEVER
- 60 1st PILOT'S RUDDER PEDALS
- 61 1st PILOT'S BRAKE LEVERS
- 62 R.A.T.O. FIRING BUTTON
- 63 1st PILOT'S RUDDER PEDALS ADJUSTER
- 64 DIVE BRAKE LEVER
IN—OUT
- 65 FLAP CONTROL LEVER
- 66 RUDDER FEEL RELEASE LEVER
Pull to release
- 67 AILERON FEEL RELEASE LEVER
Pull to release
- 68 ELEVATOR FEEL RELEASE LEVER
Pull to release
- 69 TAIL PLANE INCIDENCE EMERGENCY TRIP SWITCH
COARSE—Pre-Mod. 2123
(R.A.T.O. MASTER SWITCH—Post-Mod. 2331)
- 70 TAIL PLANE INCIDENCE EMERGENCY TRIP SWITCH
FINE—Pre-Mod 2123
(HIGH-INTENSITY COCKPIT LAMP SWITCH Post-Mod. 1965)
- 71 AUTO-PILOT CONTROLLER
- 72 FEEL UNIT TRIM CONTROL
RUDDER—AILERON
- 73 TAIL PLANE INCIDENCE CHANGE-OVER SWITCH
1st PILOT (rearward)—2nd PILOT
- 74 TAIL PLANE INCIDENCE CHANGE-OVER SWITCH
COARSE (forward)—FINE
UP (forward)—OFF—DOWN
- 75 FLAP EMERGENCY CONTROL SWITCH
UP (forward)—OFF—DOWN
- 76 FLYING CONTROLS LOCKING LEVER
LOCK (down)—UNLOCK
- 77 UNDERCARRIAGE UP BUTTON
When carrying out retraction tests with aircraft jacked up, rotate switch through 90 deg. to overcome lock before depressing.
- 78 UNDERCARRIAGE NORMAL DOWN BUTTON
- 79 UNDERCARRIAGE EMERGENCY DOWN BUTTON
- 80 BRAKE CONTROL EMERGENCY CHANGE-OVER LEVER (Pre-Mod. 769)
STAND BY BRAKE SYSTEM LEVER (NO ANTI-SKID) (Post-Mod. 769) Move lever to port
- 81 2nd PILOT'S RUDDER PEDALS ADJUSTER
- 82 2nd PILOT'S CONTROLS HANDWHEEL
- 83 2nd PILOT'S BRAKE LEVERS
- 84 2nd PILOT'S AUTO-PILOT INSTINCTIVE CUT-OUT SWITCH
- 85 EMERGENCY FLAP MOTOR TRIP PUSH SWITCH
- 86 2nd PILOT'S RUDDER PEDALS
- 87 2nd PILOT'S TAIL PLANE INCIDENCE TRIMMING SWITCHES (Post-Mod. 2123)
Select 1st or 2nd PILOT on item 73, COARSE or FINE on item 74 and operate in natural sense, until desired incidence is registered on item 49
- 88 2nd PILOT'S TAIL PLANE INCIDENCE TRIMMING SWITCHES (Post-Mod. 2123)
Select 1st or 2nd PILOT on item 73, COARSE or FINE on item 74 and operate in natural sense, until desired incidence is registered on item 49
- 89 2nd PILOT'S AIRSPEED INDICATOR
- 90 2nd PILOT'S ARTIFICIAL HORIZON
- 91 2nd PILOT'S RATE-OF-CLIMB INDICATOR
- 92 2nd PILOT'S MACHMETER
- 93 2nd PILOT'S LOW LEVEL RADIO ALTIMETER INDICATOR
- 94 2nd PILOT'S LOW LEVEL RADIO ALTIMETER 3-LAMP INDICATOR

- 95 2nd PILOT'S TURN-AND-SLIP INDICATOR
- 96 2nd PILOT'S CABIN ALTIMETER
- 97 2nd PILOT'S G4B COMPASS GYRO INDICATOR
- 98 2nd PILOT'S I.L.S. MARKER
- 99 2nd PILOT'S I.L.S. INDICATOR
- 100 2nd PILOT'S PRESSURE HEAD HEATER SWITCH
- 101 2nd PILOT'S ALTIMETER
- 102 1st and 2nd PILOT'S COMPASS DEVIATION CARDS (Mod 1609)
- 103 PORT MAIN UNDERCARRIAGE DOOR INDICATOR Light on indicates door open
- 104 STARBOARD MAIN UNDERCARRIAGE DOOR INDICATOR Light on indicates door open
- 105 2nd PILOT'S HANDWHEEL ARM ADJUSTER
- 106 STARBOARD ELEVATOR CONTROL DISCONNECT. Pull and turn clockwise to disconnect
- 107 2nd PILOT'S REAR VIEW MIRROR
- 108 UNDERCARRIAGE WARNING HORN TEST BUTTON
- 109 ALIGHTING GEAR EXTREME EMERGENCY DOWN SWITCHES—MAIN UNDERCARRIAGE ONLY. Lift cover and push switches forward.
- 110 HYDRAULIC PRESSURE GAUGES—STEERING AND BRAKE SUPPLY
SERVICE 1—SERVICE 2
- 111 DIVE BRAKES CONTACTOR RESET PUSH SWITCH AND INDICATOR LAMP
Indicates red when contactor is tripped
- 112 FLAP MAIN CONTACTOR RESET PUSH SWITCH AND INDICATOR LAMP
Indicates red when contactor is tripped
- 113 T.P.I. COARSE CONTACTOR RESET PUSH SWITCH AND INDICATOR LAMP—pre-Mod. 2123 Indicates red when contactor is tripped
- 114 PORT MAIN U/C CONTACTOR RESET PUSH SWITCH AND INDICATOR LAMP
Indicates red when contactor is tripped
- 115 STARBOARD MAIN U/C CONTACTOR RESET PUSH SWITCH AND INDICATOR LAMP
Indicates red when contactor is tripped
- 116 NOSE U/C MAIN CONTACTOR RESET PUSH SWITCH AND INDICATOR LAMP
Indicates red when contactor is tripped
- 117 T.P.I. FINE CONTACTOR RESET PUSH SWITCH AND INDICATOR LAMP (Pre-Mod. 2123 Indicates red when contactor is tripped
- 118 PORT UNDERCARRIAGE EXTREME EMERGENCY DETONATOR CIRCUIT BREAKER
- 119 STARBOARD UNDERCARRIAGE EXTREME EMERGENCY DETONATOR CIRCUIT BREAKER
- 120 RADIO COMPASS OVERRIDE SWITCH (Mod. 2374)
- 121 1st PILOT'S I/C—RADIO COMPASS SELECTOR SWITCH (Mod. 2374)
- 122 2nd PILOT'S I/C RADIO COMPASS SELECTOR SWITCH (Mod. 2374)
- 123 V.H.F. CHANGE-OVER SWITCH
- 124 LOW LEVEL RADIO ALTIMETER SWITCH
- 125 V.H.F. VOLUME CONTROL
- 126 RADIO COMPASS BEARING INDICATOR (Mod. 2218)
- 127 1st PILOT'S ZERO READER INDICATOR (Mod. 2218)
- 128 1st PILOT'S RATE-OF-CLIMB INDICATOR (Mod. 2218)
- 129 1st PILOT'S TURN-AND-SLIP INDICATOR (Mod. 2218)
- 130 I.L.S. INDICATOR (Mod. 2218)
- 131 2nd PILOT'S ZERO READER INDICATOR (Mod. 2218)
- 132 2nd PILOT'S RATE-OF-CLIMB INDICATOR (Mod. 2218)
- 133 2nd PILOT'S TURN-AND-SLIP INDICATOR (Mod. 2218)
- 134 INSTRUMENT MASTER SWITCH
- 135 MAIN FLAP MOTOR TRIP PUSH SWITCH
- 136 HIGH-INTENSITY COCKPIT LAMPS (Mod. 1965)
- 137 HIGH-INTENSITY LIGHTING RESISTANCE UNITS
- 138 I.L. RADIO ALTIMETER HEIGHT LIMIT SELECTOR
- 139 AUTOSTABILIZER SWITCH
ON (forward)—STAND-BY—OFF
- 140 E2B COMPASSES

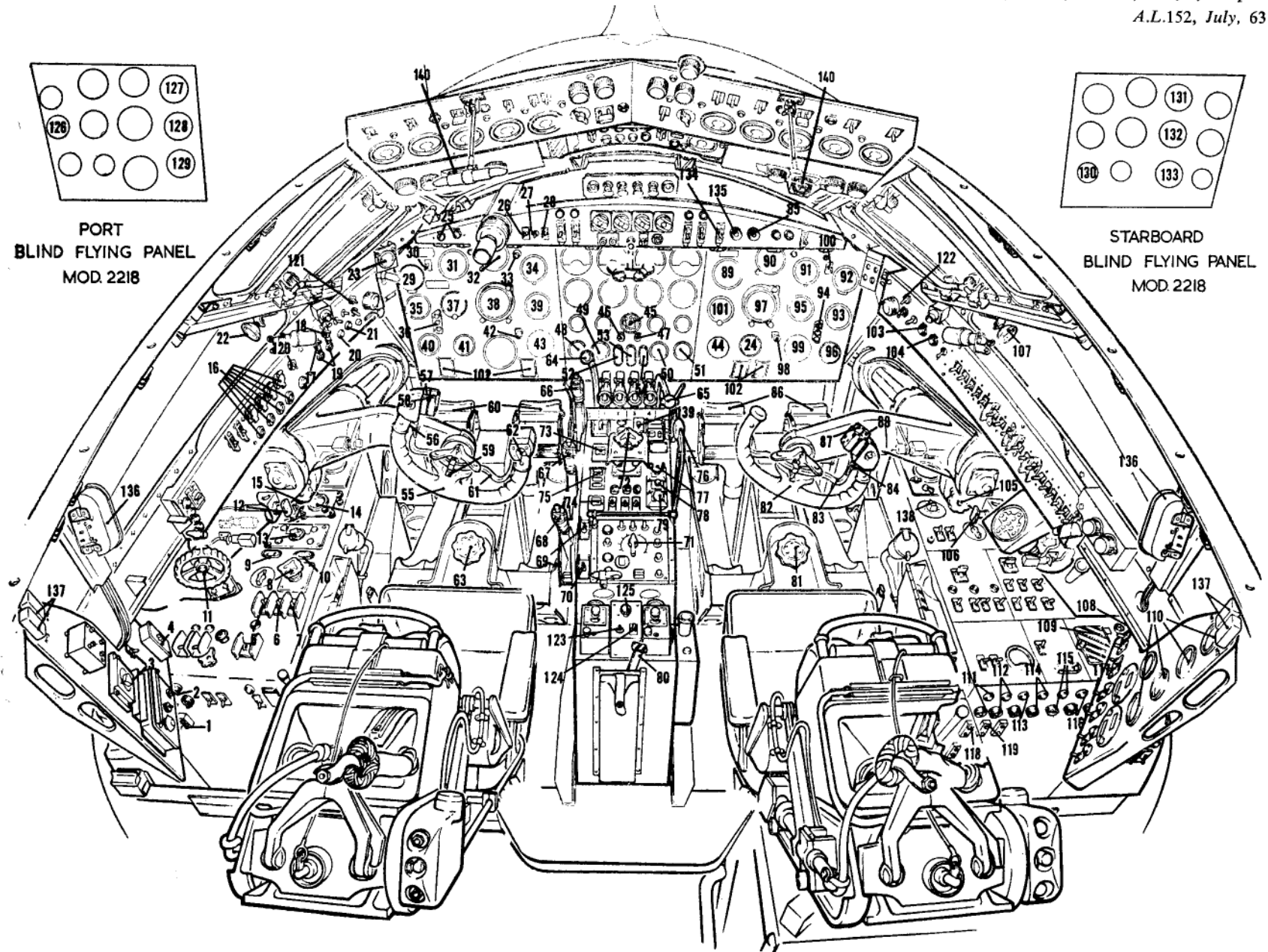


Fig. 2. Flying controls

RESTRICTED

KEY TO FIG. 3 (OPERATIONAL CONTROLS)

- | | | |
|--|--|--|
| <p>1 A.R.I. 5800 CONTROL</p> <p>2 PORT WINDSCREEN WIPER CIRCUIT BREAKER (pre-Mod. 2361)</p> <p>3 1st PILOT'S RELEASE KNOB FOR EMERGENCY OXYGEN SUPPLY</p> <p>4 96-VOLT BATTERY SWITCH AND INDICATOR
<i>NORMAL—EMERGENCY</i> (pre-Mod. 2260)
<i>ON—OFF</i> (post-Mod. 2260)</p> <p>5 24-VOLT BATTERY SWITCH AND INDICATOR</p> <p>6 1st PILOT'S SEAT ADJUSTING HANDLE</p> <p>7 1st PILOT'S WINDSCREEN WIPER SWITCH
<i>FAST—OFF—SLOW—MED.</i></p> <p>8 EMERGENCY DEPRESSURIZATION SWITCH
<i>DEPRESSURIZE</i> (forward)—<i>NORMAL</i></p> <p>9 1st PILOT'S IDENTIFICATION LAMP MORSE KEY</p> <p>10 1st PILOT'S DEMAND TYPE OXYGEN REGULATOR
with <i>EMERGENCY PRESS-TO-TEST</i> mask button, <i>ON—OFF</i> lever and 100%—<i>NORMAL</i> lever</p> <p>11 1st PILOT'S INTERCOM. PUSH SWITCH</p> <p>12 WINDOW DEMISTING CHANGE-OVER VALVE
<i>SIDE OR LOUVRE—SIDE AND FRONT—FRONT</i></p> <p>13 BOMBING DIRECTION INDICATOR</p> <p>14 NORMAL BOMB DOOR CONTROL
<i>OPEN</i> (forward)—<i>CLOSE</i> (centre)—<i>AUTO</i></p> <p>15 DEFLECTOR POSITION INDICATOR
Indicates white when deflector is raised</p> <p>16 BOMB DOOR POSITION INDICATOR
Indicates white when bomb doors are open</p> <p>17 EMERGENCY BOMB JETTISON
<i>OPEN</i> (forward)—<i>NORMAL</i></p> <p>18 A.R.I. 5800 INDICATOR
(TACAN indicator post-Mod. 3165 or 3166)</p> <p>19 WING CLEARING EMERGENCY SWITCH
<i>RELEASE</i> (up) (On pre-Mod. 1185 aircraft there are two switches)
Post-Mod 2828 replaced by:— ABANDON AIRCRAFT WARNING SIGN SWITCH</p> <p>20 WINDSCREEN WIPER PARKING LEVERS</p> <p>21 PORT NACELLE DOORS EMERGENCY CLOSE SWITCH
(Fitted but not operational)</p> <p>22 PORT NACELLE DOORS OPEN AND CLOSE INDICATORS
(Fitted but not operational)</p> <p>23 AIR SPOILERS PORT AND STARBOARD INDICATORS
Indicate white when spoilers are extended</p> <p>24 FUSELAGE FLASH CRATE INDICATORS (P.R. aircraft only)
Indicate white when doors are open</p> <p>25 STARBOARD NACELLE DOORS OPEN AND CLOSED INDICATORS
(Fitted but not operational)</p> <p>26 STARBOARD NACELLE DOORS EMERGENCY CLOSE SWITCH
<i>OFF</i> (up)—<i>EMERG. CLOSE</i>
(Fitted but not operational)</p> | <p>27 'PRESS TO TEST' BUTTON FOR No. 1 AND No. 2 ENGINE FAILURE WARNING INDICATORS</p> <p>28 ENGINE FAILURE WARNING INDICATORS No. 1, No. 2, No. 3, No. 4
(Engine overheat warning indicators post-Mod 3094)</p> <p>29 'PRESS TO TEST' BUTTON FOR No. 3 AND No. 4 ENGINE FAILURE WARNING INDICATORS</p> <p>30 FIRE EXTINGUISHER CONTROLS No. 1, No. 2 No. 3, No. 4 (pre-Mod. 1919)
<i>PULL-TO-TEST</i></p> <p>31 TIME-OF-FALL CALCULATOR FITTED FOR ALTERNATIVE STORE ROLE ONLY (pre-Mod. 2397)</p> <p>32 2nd PILOT'S INTERCOM./HF SWITCH</p> <p>33 EXTERNAL LIGHTS MASTER SWITCH</p> <p>34 IDENT. LIGHTS
<i>MORSE—STEADY</i></p> <p>35 NAV. LIGHTS
<i>BRIGHT—DIM</i></p> <p>36 2nd PILOT'S DEMAND TYPE OXYGEN REGULATOR
With <i>EMERGENCY PRESS-TO-TEST</i> mask button <i>ON—OFF</i> lever and 100%—<i>NORMAL</i> lever</p> <p>37 2nd PILOT'S WINDSCREEN WIPER SWITCH
<i>FAST—OFF—SLOW—MED</i></p> <p>38 WINDSCREEN DE-ICING No. 1 PUMP SWITCH (guarded, post-Mod, 3071)</p> <p>39 WINDSCREEN DE-ICING No. 2 PUMP SWITCH (guarded, post-Mod, 3071)</p> <p>40 2nd PILOT'S IDENTIFICATION LAMP MORSE KEY</p> <p>41 2nd PILOT'S SEAT ADJUSTING HANDLE</p> <p>42 AIRFRAME AND ENGINE DE-ICING MASTER SWITCH
<i>ON</i> (forward)—<i>OFF</i></p> <p>43 DE-ICING OVERHEAT WARNING LAMPS
<i>PORT WING—TAIL—STARBOARD WING</i></p> <p>44 CABIN PRESSURIZATION MASTER SWITCH
<i>CRUISE</i> (forward)—<i>COMBAT</i> (centre)—<i>NO PRESSURE</i></p> <p>45 CABIN AIR SUPPLY SWITCHES
<i>ON</i> (forward)—<i>OFF</i></p> <p>46 RAM AIR SWITCH
<i>ON</i> (forward)—<i>OFF</i></p> <p>47 AIRFRAME DE-ICING SUPPLY ISOLATING SWITCHES
1-2-3-4—<i>ON</i> (forward)—<i>OFF</i> (pre-Mod. 701)
Select <i>OFF</i> before selecting item 42 to <i>OFF</i>
1-2-3-4—<i>NORMAL</i> (forward)—<i>OFF</i> (post-Mod. 701)</p> <p>48 EMERGENCY INCREASED AIR SUPPLY CUT-OUT SWITCHES
<i>INCREASE</i> (forward)—<i>OFF</i> (centre)—<i>DECREASE</i></p> <p>49 VENT FAN SWITCH
<i>ON</i> (forward)—<i>OFF</i>. Do not select <i>ON</i> unless item 46 is at <i>ON</i></p> | <p>50 BOMB BAY HEATING SWITCHES, PORT AND STARBOARD
<i>ON</i> (forward)—<i>OFF</i></p> <p>51 BOMB BAY TEMPERATURE GAUGE</p> <p>52 CABIN TEMPERATURE CONTROL SWITCH
<i>RAISE</i> (forward)—<i>LOWER</i></p> <p>53 CABIN TEMPERATURE GAUGE
<i>INTERCOOL — HIGH/LOW — REFRIG. — OUT/IN</i>
Registers position of intercooler and refrigerator valves</p> <p>54 ENGINE GATE VALVE NO. 4
<i>NORMAL</i> (up)—<i>EMERGENCY CLOSE</i></p> <p>55 ENGINE GATE VALVE No. 3
<i>NORMAL</i> (up)—<i>EMERGENCY CLOSE</i></p> <p>56 ENGINE GATE VALVE No. 2
<i>NORMAL</i> (up)—<i>EMERGENCY CLOSE</i></p> <p>57 ENGINE GATE VALVE No. 1
<i>NORMAL</i> (up)—<i>EMERGENCY CLOSE</i></p> <p>58 STARBOARD WINDSCREEN WIPER CIRCUIT BREAKER (pre-Mod. 2361)</p> <p>59 2nd PILOT'S RELEASE KNOB FOR EMERGENCY OXYGEN SUPPLY</p> <p>60 2nd PILOT'S EJECTION SEAT</p> <p>61 C. G. COMPUTOR STOWAGE</p> <p>62 V.H.F. CONTROLLER No. 1</p> <p>63 V.H.F. CONTROLLER No. 2</p> <p>64 2nd PILOT'S INTERCOM. PUSH SWITCH</p> <p>65 1st PILOT'S EJECTION SEAT</p> <p>66 POWER CONTROL HEATER SWITCH (pre-Mod. 1626)</p> <p>67 A.R.I.5800 CONTROL UNIT (AUXILIARY)</p> <p>68 PILOT'S INDICATOR FOR SURVEY CAMERA (Mod. 2099)</p> <p>69 FIRE EXTINGUISHER TEST PUSH (post-Mod. 1919)
No. 1, No. 2</p> <p>70 FIRE EXTINGUISHER TEST PUSH (post-Mod. 1919)
No. 3, No. 4</p> <p>71 1st PILOT'S INTERCOM./H.F. SWITCH</p> <p>72 PROBE DE-ICING SWITCH (pre-Mod, 2994 only)</p> <p>73 OXYGEN MAGNETIC INDICATOR (Mod. 1604)</p> <p>74 NAV. LIGHTS (Mod. 2593)
<i>FLASH—STEADY</i></p> <p>75 TEMPERATURE INDICATOR (post-Mod, 2708)</p> <p>76 TEMPERATURE INDICATOR SELECTOR SWITCH (post-Mod, 2708)</p> <p>77 ICING DETECTOR WARNING LAMP (post-Mod 2599)</p> <p>78 ICING DETECTOR TEST SWITCH (post-Mod 2599)</p> |
|--|--|--|

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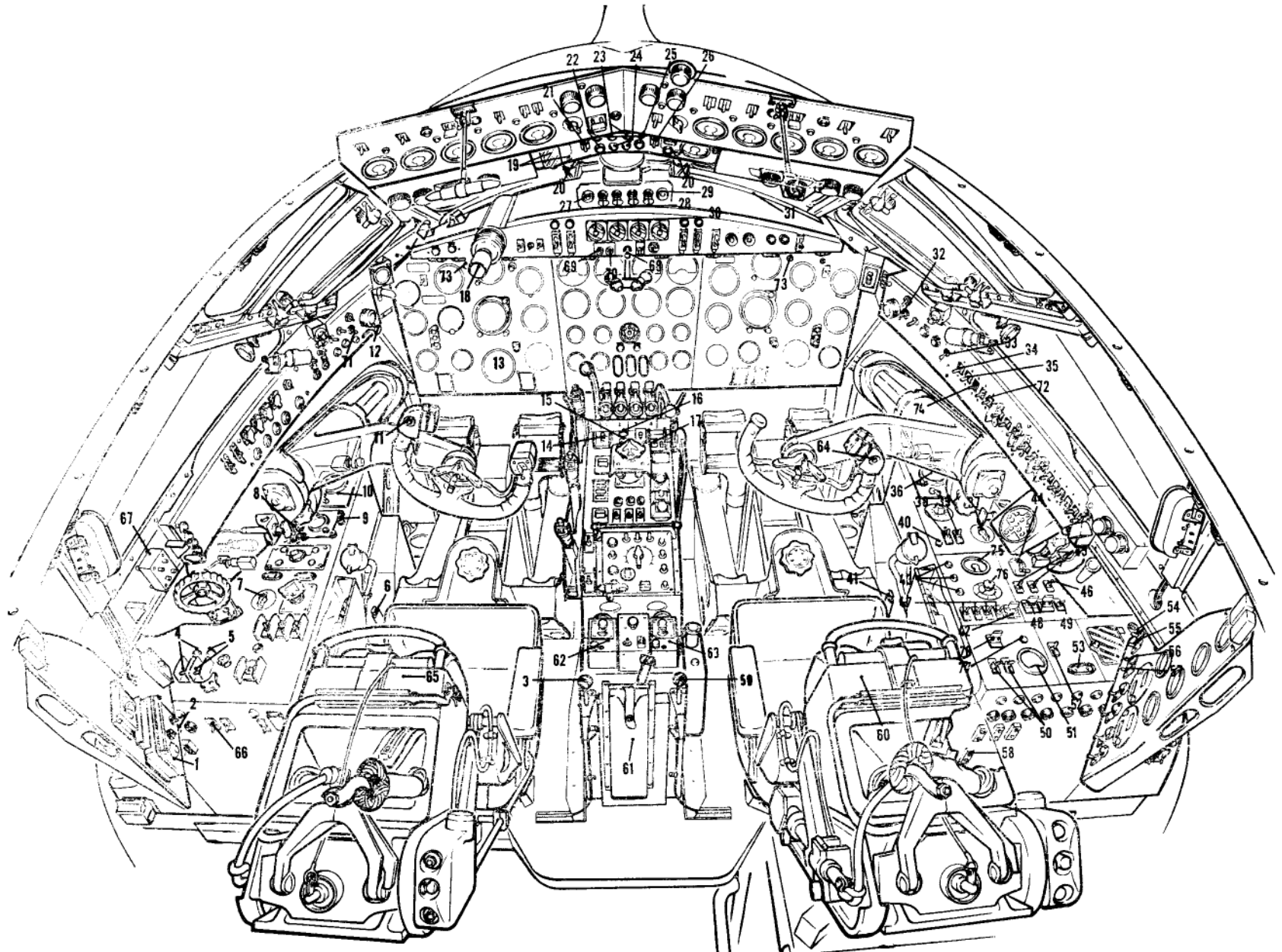


Fig. 3. Operational controls

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KEY TO FIG. 4 (MISCELLANEOUS CONTROLS)

- | | | | | | |
|----|--|----|---|----|--|
| 1 | SERVICING LAMP SWITCH AND INDICATOR | 22 | INSTRUMENT PANEL RED LAMPS | 39 | RATION HEATER PANEL WITH 5 SWITCHES, DIMMER AND INDICATORS
On rear panel of starboard console |
| 2 | CABIN LAMP SWITCH | 23 | INSTRUMENT PANEL EMERGENCY LAMPS | 40 | WANDER LAMP IN STOWED POSITION |
| 3 | PORT QUARTER PANEL LAMP | 24 | COMPASS LAMP DIMMER SWITCH | 41 | RATION HEATER FOR 2nd PILOT (behind seat) |
| 4 | PORT CONSOLE PANEL LAMPS | 25 | FUEL PANEL TWIN LAMPS DIMMER SWITCH | 42 | RATION HEATER FOR 1st PILOT (behind seat) |
| 5 | SANITARY TUBE FOR 1st PILOT | 26 | FUEL PANEL GENERAL LIGHTING DIMMER SWITCH | 43 | PORT D.V. WINDOW HANDLE |
| 6 | PORT FORWARD CONSOLE LAMP | 27 | STARBOARD FUEL PANEL LAMP | 44 | STARBOARD D.V. WINDOW HANDLE |
| 7 | ENTRANCE DOOR INDICATOR
Indicates white when door is open | 28 | CENTRE U/V LAMP
A stowage (38) is provided on the starboard console. | 45 | GROUND VENT FAN SUPPLY CIRCUIT BREAKER
(pre-Mod. 2331 only) |
| 8 | PORT U/V LAMP | 29 | CONTROL PEDESTAL LAMP DIMMER SWITCH | 46 | LAMP ON CONTROL PEDESTAL FOR V.H.F. CONTROLLERS AND AUTO-PILOT TRIM INDICATOR |
| 9 | PORT INSTRUMENT PANEL EMERGENCY LAMPS SWITCH | 30 | STARBOARD INSTRUMENT PANEL RED LAMP DIMMER SWITCH | 47 | STRIP LIGHT ON CONTROL PEDESTAL FOR AUTO-PILOT CONTROLLER |
| 10 | ROOF LAMP SWITCH | 31 | STARBOARD CONSOLE LAMP DIMMER SWITCH | 48 | 1st PILOT'S PUNKAH-LOUVRE |
| 11 | PORT COAMING LAMP DIMMER SWITCH | 32 | STARBOARD COAMING LAMP DIMMER SWITCH | 49 | 2nd PILOT'S PUNKAH-LOUVRE |
| 12 | EMERGENCY LAMP FOR MACHMETER | 33 | STARBOARD U/V LAMP | 50 | STARBOARD INSTRUMENT PANEL EMERGENCY LAMP SWITCH |
| 13 | PORT U/V LAMP ON DASHBOARD TOP PANEL | 34 | STARBOARD FORWARD CONSOLE LAMP | 51 | FUEL PANEL TUBULAR LAMP |
| 14 | PORT CONSOLE LAMPS DIMMER SWITCH | 35 | SANITARY TUBE FOR 2nd PILOT | 52 | TAIL LAMP SWITCH
ON (up)—OFF (Mod. 2638) |
| 15 | PORT INSTRUMENT PANEL RED LAMPS DIMMER SWITCH | 36 | STARBOARD QUARTER PANEL LAMP | 53 | PROBE LAMPS DIMMER SWITCHES
(Mod. 2586) |
| 16 | ROOF FLOOD LAMPS DIMMER SWITCH | 37 | STARBOARD CONSOLE PANEL LAMPS | | |
| 17 | FUEL PANEL LAMPS | 38 | STOWAGE FOR ITEM 28 | | |
| 18 | PORT FUEL PANEL LAMP | | | | |
| 19 | INSTRUMENT PANEL SIDE U/V LAMPS DIMMER SWITCH | | | | |
| 20 | CENTRE U/V LAMPS DIMMER SWITCH | | | | |
| 21 | CABIN PRESSURE WARNING LAMP | | | | |

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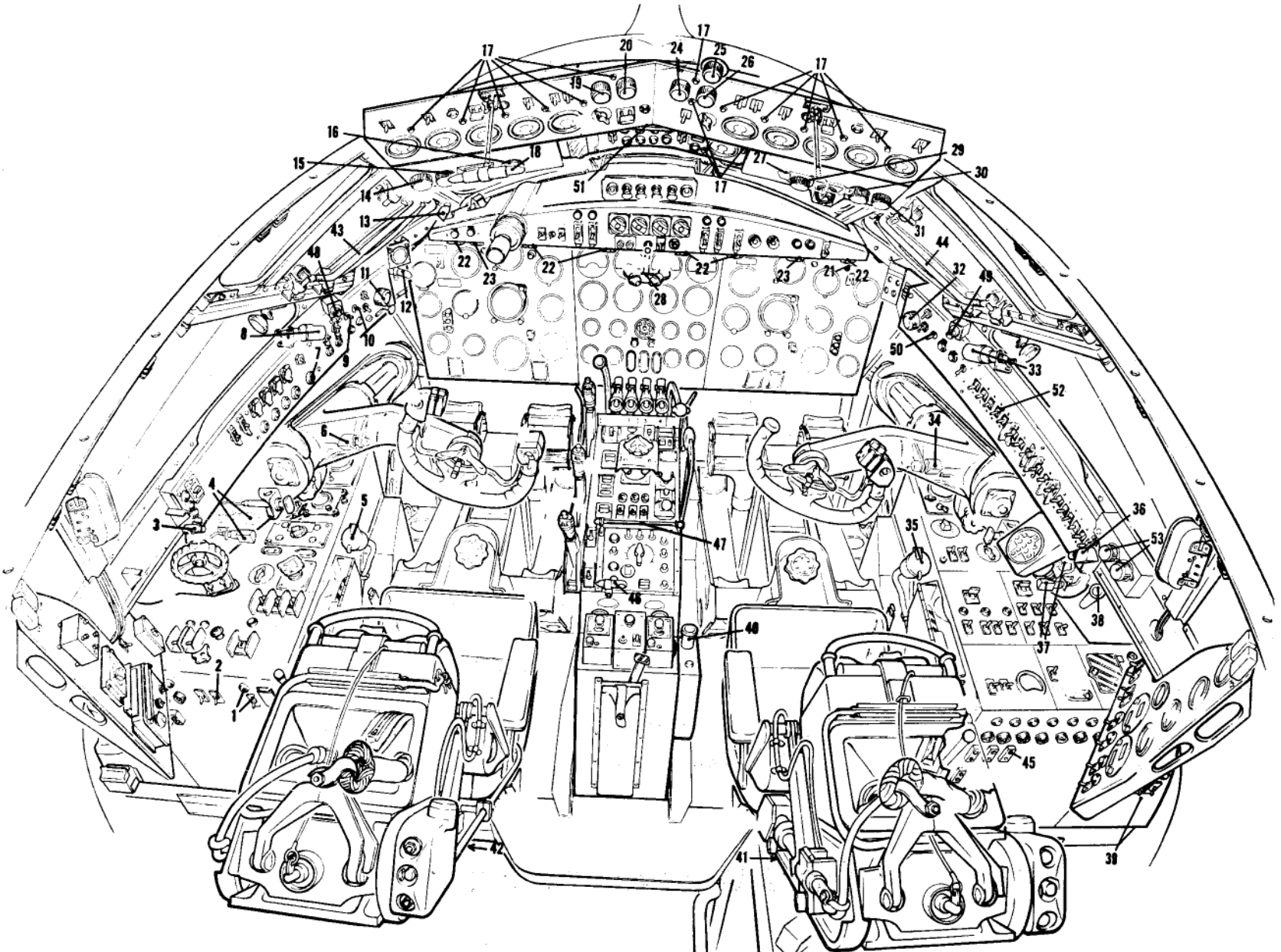


Fig. 4. Miscellaneous controls

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KEY TO FIG. 5 (R.A.T.O. CONTROLS)

- | | | |
|---|---|--|
| 1 PORT WING No. 2 TANK PUMP SWITCH | 21 BOMB-BAY TANK PUMP SWITCH
<i>MAIN ON—OFF—AUX. ON</i> | 36 STARBOARD UNDERWING TANK CONTENTS GAUGE |
| 2 PORT WING No. 2 TANK CONTENTS GAUGE | 22 COMPASS LAMPS DIMMER SWITCH | 37 STARBOARD UNDERWING TANK LOW PRESSURE WARNING LAMP |
| 3 FUEL PANEL LAMPS | 23 BOMB-BAY TANK LOW PRESSURE WARNING LAMP | 38 STARBOARD WING No. 1 TANK CONTENTS GAUGE |
| 4 PORT WING No. 1 TANK CONTENTS GAUGE | 24 STARBOARD WING TANK FUEL COCK SWITCH | 39 STARBOARD WING No. 1 TANK PUMP SWITCH |
| 5 PORT WING No. 1 TANK PUMP SWITCH | 25 STARBOARD WING TANK FUEL FEED INDICATOR | 40 STARBOARD WING No. 2 TANK CONTENTS GAUGE |
| 6 PORT UNDERWING TANK CONTENTS GAUGE | 26 FUEL PANEL LAMPS DIMMER SWITCH | 41 STARBOARD WING No. 2 TANK PUMP SWITCH |
| 7 PORT UNDERWING TANK LOW PRESSURE WARNING LAMP | 27 FUEL CONTENTS POWER UNIT CHANGE-OVER SWITCH
<i>NORMAL—CHANGE OVER (up)</i> | 42 STARBOARD U/V LAMP ON DASHBOARD TOP PANEL |
| 8 PORT UNDERWING TANK PUMP SWITCH | 28 STARBOARD FUSELAGE CELLS CONTENTS SELECTOR SWITCH
<i>1-2-3—Total</i> | *43 R.A.T.O. HIGH THRUST INDICATOR LAMPS
(Port and starboard)
Lamp "on" indicates high thrust |
| 9 PORT RESERVE TANK COCK INDICATOR
(White when cock is open) | 29 STALK LAMP DIMMER SWITCH | *44 R.A.T.O. LOW THRUST INDICATOR LAMPS
(Port and starboard)
Lamp "on" indicates low thrust |
| 10 PORT RESERVE TANK CONTENTS GAUGE | 30 STARBOARD FUSELAGE PUMP SWITCHES No. 1 AND No. 2 | 45 R.A.T.O. JETTISON RELEASE INDICATOR LAMPS
(Port and starboard)
Lamps light when <i>ON</i> is selected at item 48.
Lamp "off" indicates unit jettisoned |
| 11 PORT RESERVE TANK COCK SWITCH
Select on item 16 | 31 STARBOARD FUSELAGE CELLS CONTENTS GAUGE
Select on item 28 | 46 R.A.T.O. EMERGENCY JETTISON RELEASE
<i>PORT—OFF—STARBOARD</i> |
| 12 PORT FUSELAGE CELLS CONTENTS GAUGE
Select on item 16 | 32 STARBOARD RESERVE TANK COCK SWITCH | 47 R.A.T.O. JETTISON RELEASE
<i>PORT—OFF—STARBOARD</i> |
| 13 PORT FUSELAGE PUMP SWITCHES No. 1 AND No. 2 | 33 STARBOARD RESERVE TANK CONTENTS GAUGE | 48 R.A.T.O. MASTER SWITCH |
| 14 SIDE U/V LAMPS DIMMER SWITCH | 34 STARBOARD RESERVE TANK COCK INDICATOR
White when cock is open | 49 R.A.T.O. SUPPLY CIRCUIT BREAKER |
| 15 PORT WING TANK FUEL COCK SWITCH | 35 STARBOARD UNDERWING TANK PUMP SWITCH
<i>MOTOR ON (up)—OFF (centre)—MOTOR TRIP, EMERGENCY ON</i> | 50 R.A.T.O. FIRING BUTTON |
| 16 PORT FUSELAGE CELLS CONTENTS SELECTOR SWITCH
<i>1—2—3—Total</i> | | |
| 17 PORT WING TANK FUEL FEED INDICATOR | | |
| 18 CENTRE U/V LAMPS DIMMER SWITCH | | |
| 19 CROSS FEED FUEL COCK SWITCH | | |
| 20 CROSS FEED FUEL INDICATOR | | |

◀ * Mod. 3004 renders these lamps redundant, the position of the lamps being taken by the water/methanol switch. ▶

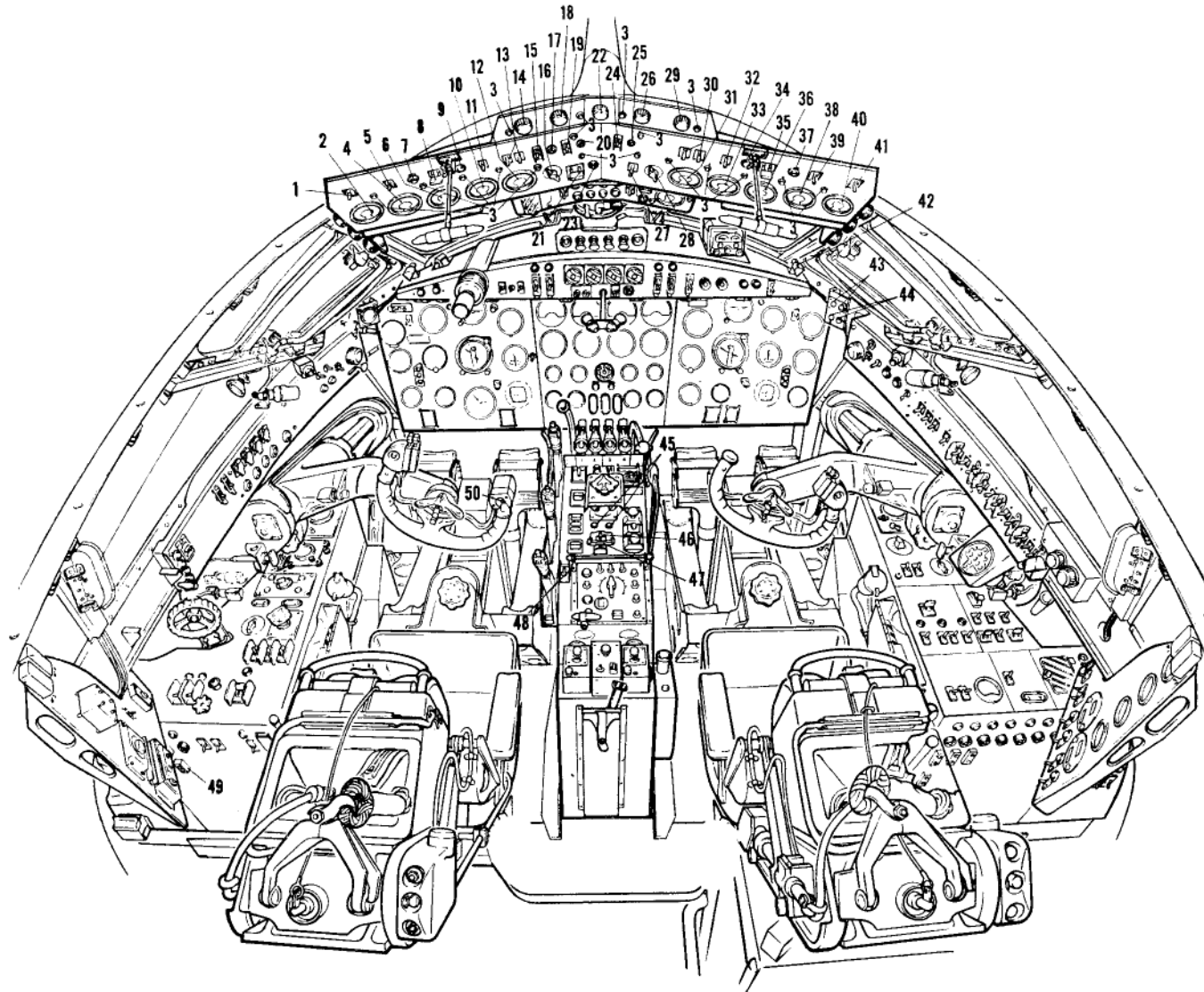


Fig. 5. R.A.T.O. controls

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