

Chapter 2 CREW'S CONTROLS AND EQUIPMENT

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Introduction

1. This chapter is intended as a guide to the location of the controls, instruments and equipment provided at the observer's station. Where necessary, the keys to the illustrations listed above include brief details of the operation of a particular control or item of equipment.

Modification standard

2. The following modifications are incorporated in this Chapter:- 18, 19, 20, 40,

61, 67, 142, 185, 228, 229, 274, 309, 351, 423, 502, 601, 631, 658, 663, 824, 836A, 841, 871, 917, 1001, 1182, 1198 and 1217.▶

Entrance

3. Entry to the observer's station is gained by the use of an access ladder, in a manner similar to that described for the pilot (Sect.1, Chap.1). When entering the cabin, care must be taken to ensure that the seat jettison cables at the top of the pilot's seat are not inadvertently used as hand holds.

Canopy operation

4. While no provision is made for canopy operation by the observer, a canopy actuator de-clutching control is located on the starboard side of the cabin. Intended for use in an emergency, selection of this control permits manual operation of the canopy by the observer. It must be noted that, consequent upon the use of the de-clutching control, the canopy actuator cannot be re-engaged by either the observer's or the pilot's control until the operating linkage is reset on the ground. Located adjacent to the port console is a canopy jettison control handle; details of the canopy jettison system are contained in Sect. 1, Chap. 3.

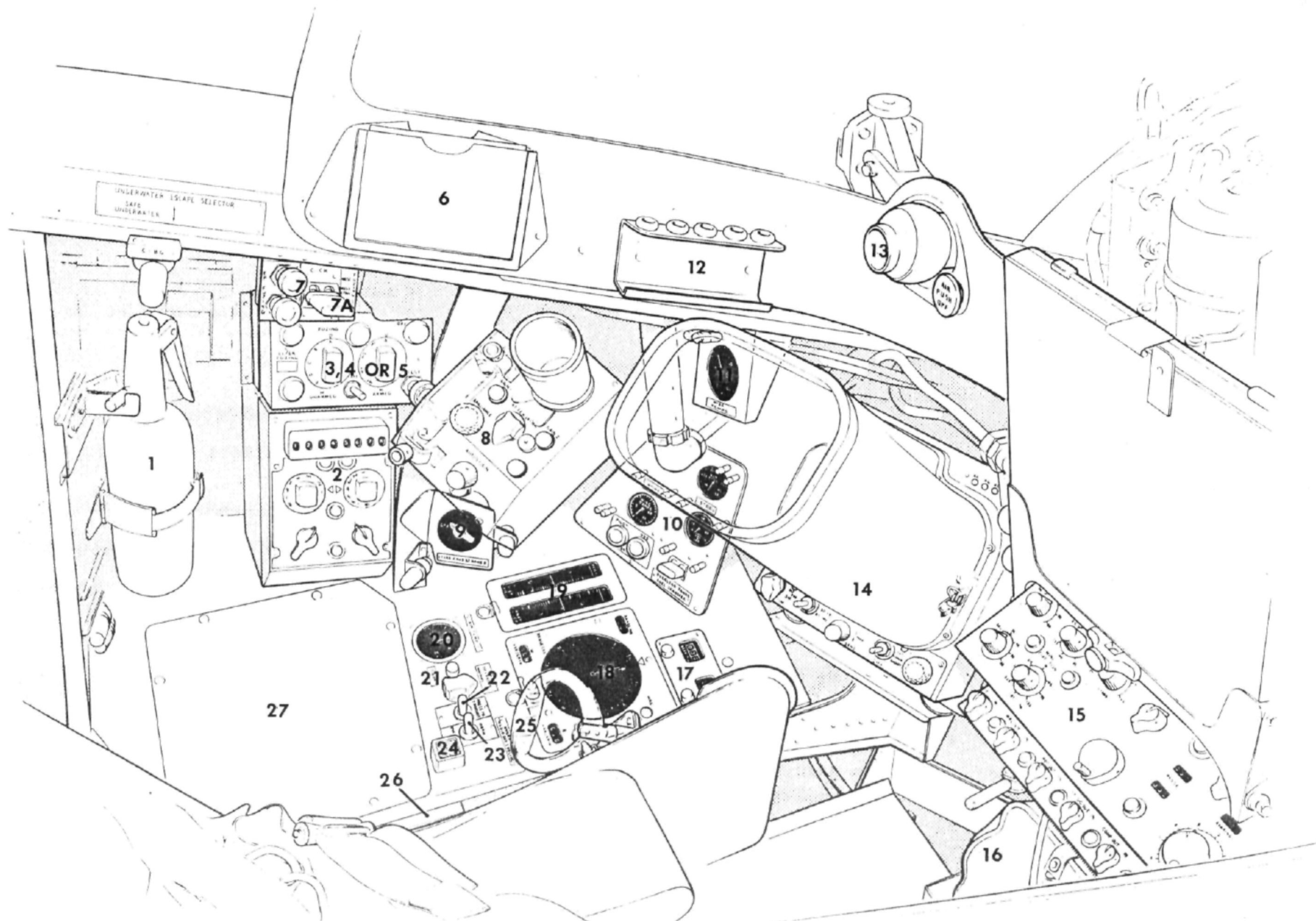
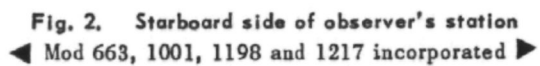


Fig. 1. Port side of observer's station
◀ Mod 1182 incorporated ▶

KEY TO FIG 1 (PORT SIDE OF OBSERVER'S STATION)

- | | | |
|--|--|---|
| 1 HAND FIRE EXTINGUISHER | 9 MISCELLANEOUS TEMPERATURES SELECTOR (post-Mod 836A)
1. TYRE (PORT)
2. RADIO BAY
3. BOMB BAY
(remaining positions not used) | 17 TACAN OFFSET COMPUTER |
| ◀ 2 BOMB DISTRIBUTOR | | 18 NAVIGATION DISPLAY REPEATER |
| 3 EP FUZING CONTROL UNIT (Mod 5105)
<i>Fitted when 2,000 lb HE MC bomb is carried</i> | | 19 ALTIMETER AND TAS INDICATOR |
| 4 EL/EA FUZING CONTROL UNIT (Mod 5106)
<i>Fitted when secondary stores and/or Bullpup missiles are carried (post-Mod 502)</i> | 10 AUXILIARY PANEL
<i>Contains the following:-</i>
CABIN ALTIMETER
WING FUEL TANKS CONTENTS GAUGES (PORT AND STBD)
OVERLOAD FUEL TANKS FUEL TRANSFER SWITCH
OXYGEN SYSTEM REMOTE INDICATORS | 20 OUTSIDE AIR TEMPERATURE GAUGE |
| 5 EL FUZING CONTROL UNIT (Mod 5107)
<i>Fitted when secondary stores are carried (pre-Mod 502) ▶</i> | | 21 INTERCOMM. SELECTOR SWITCH AND TELEBRIEF INDICATOR LAMP |
| 6 HF AND UHF FREQUENCY CARD HOLDER (post-Mod 871)
<i>On pre-Mod 871 aircraft, this item is on the starboard side</i> | 11 MISCELLANEOUS TEMPERATURES GAUGE (post-Mod 836A)
<i>Works in conjunction with item 9</i>
<i>On post-Mod 351 pre-Mod 836A aircraft, this item shows radio bay temperature only</i> | 22 PRESS TO TRANSMIT SWITCH |
| 7 AC POWER INDICATOR LAMPS (post-Mod 824)
<i>AC SUPPLIES, EP FUZING</i> | 12 PENCILS HOLDER (post-Mod 871)
<i>On pre-Mod 871 aircraft, this item is on starboard side</i> | 23 RADIO BAY COOLING OVERRIDE SWITCH (post-Mod 601)
<i>NORM - OVERHEAT</i>
<i>A single-pole changeover switch usually in the NORM position</i> |
| 7A BOMB FUZING SELECTOR SWITCH
<i>FUZING SELECT, NOSE - NOSE & TAIL - TAIL</i> | 13 ADJUSTABLE AIR CONDITIONING LOUVRE AND CONTROL (post-Mod 871)
<i>AIR - PUSH OFF</i> | 24 RADIO BAY OVERHEAT INDICATOR (post-Mod 601)
<i>A three-position indicator showing overheat switch selection (O/HT), supplies failed or control valve in travel (black and white diagonal stripes) or system normal (NORM). Works in conjunction with item 23.</i> |
| 8 ARI 18165 VIDEO INDICATOR AND CONTROL UNIT | 14 ARI 5930 AZIMUTH RANGE INDICATOR | 25 CANOPY JETTISON HANDLE (post-Mod 309)
<i>On pre-Mod 309 aircraft, this item is situated further aft.</i> |
| | 15 ARI 5930 INDICATOR CONTROL | 26 MAP STOWAGE (post-Mod 658) |
| | ◀ 16 HOLDALL STOWAGE (pre-Mod 1001) ▶ | 27 POSITION FOR ROLE PANEL, refer to Sect 2, Chap. 5, this Cover |



KEY TO FIG 2 (STARBOARD SIDE OF OBSERVER'S STATION)

- | | | |
|--|---|---|
| 1 CHARTBOARD TABLE LAMP AND DIMMER SWITCH | SEAT PAN (post-Mod 1198)
CANOPY JETTISON
FACE BLIND
<i>A separate stowage is provided for the guillotine safety pin on post-Mod 1217 aircraft ►</i> | 15 ANTI-G VALVE
<i>Incorporates a press-to-test button and a semi-rotary control to change the datum pressure settings from HIGH to LOW and vice-versa</i> |
| 2 FOLDING CHARTBOARD TABLE | | 16 OXYGEN DEMAND REGULATOR |
| 3 ARI 5880 INDICATOR AND MAP | | 17 OXYGEN CONTENTS INDICATOR (pre-Mod 917) |
| 4 ADJUSTABLE AIR CONDITIONING LOUVRE (post-Mod 871) | 10 IFF MASTER SWITCH
IFF MASTER, ON - OFF | 18 HAND CONTROLLER - ARI 5930 |
| 5 EMERGENCY OXYGEN SAFETY PIN STOWAGE
<i>On pre-Mod 61 aircraft, the ejection seats and canopy jettison safety pins are also stowed in this position</i> | 11 HF POWER SUPPLY CHANGEOVER SWITCH (post-Mod 142)
HF POWER SUPPLY, NORM - EMERG
OR
HF AERIAL TUNING SWITCH (pre-Mod 142)
HF AERIAL TUNING, ON - OFF | ◀ 19 ELAPSED TIME CLOCK (pre-Mod 1001) ► |
| 6 CANOPY DE-CLUTCHING CONTROL
<i>Refer to para 4 for details of canopy operation</i> | 12 HF CONTROL UNIT | 20 AIR VENTILATED SUIT CONTROL VALVE
OPEN (outboard) - SHUT |
| 7 SIF CONTROL UNIT (post-Mod 20) | 13 LIGHTING CONTROL PANEL | 21 MUTE SWITCH
Foot-operated |
| 8 IFF CONTROL UNIT | ◀ 13A ADJUSTABLE COCKPIT FLOODLAMP (Mod 663)
<i>May be detached and used as an inspection lamp ►</i> | ◀ 22 STOP WATCHES MOUNTING BRACKET (Mod 1001) |
| ◀ 9 EJECTION SEAT AND CANOPY JETTISON SAFETY PIN STOWAGE FOR:-
ROCKET PACK (post-Mod 1217)
UNDERWATER ESCAPE (post-Mod 631)
GUILLotine (pre-Mod 1217) | 14 ANTI-G SUIT SELECTOR VALVE
ON - OFF | 23 NAVIGATION INSTRUMENTS STOWAGE (Mod 1001) |
| | | 24 DROGUE GUILLotine SAFETY PIN STOWAGE (Mod 1217)
<i>This stowage accepts both the pilot's and observer's safety pins. ►</i> |