

Group 5—LOCATION DIAGRAMS

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Cross references

Common equipment

P.R. bomb bay doors }
Oblique camera window panel } Book 1, Sect. 2, Chap. 5

Day role

Camera crate }
Main camera mounting }
Rear fairing }
Survey camera mounting }
Oblique camera mounting } Book 1, Sect. 2, Chap. 5, App. 1

Night role

Camera crate }
Camera mounting }
Photo-cell mounting } Book 1, Sect. 2, Chap. 5, App. 2

Key to Fig. 1 (P.R. equipment less cameras)

- 1 BOMB AIMER'S P.R. PANEL (POST MOD. 2573)
- 2 DAY ROLE CAMERA PULSING INDICATORS (PRE-MOD. 2573)
- 3 CAMERA SIGHT TYPE 2
- 4 { BOMB AIMER'S P.R. PANEL (PRE-MOD. 2573)
- 5 { CONNECTOR BLOCK PANEL (POST MOD. 2573)
- 6 { COMPASS REPEATER
- 7 { DAY ROLE CONTROL PANEL (SEE FIG. 6)
- 8 { OR
- 9 { NIGHT ROLE CONTROL PANEL (SEE FIG. 7)
- 10 EQUIPMENT ON RADIO CRATE (SEE FIG. 2)
- 11 FLASH AUTO SELECTOR JUNCTION BOX
- 12 WING BOMB AND FLASH JUNCTION BOX } SEE FIG. 9
- 13 P.R. BOMB BAY DOORS CONTROL SWITCH (SEE FIG. 3)
- 14 PORT P.R. BOMB BAY DOOR MOTOR, FORWARD
- 15 CAMERA WINDOW DOORS RELAY (SEE FIG. 3)
- 16 FORWARD BOMB BAY PLUG AND SOCKET BREAK PANEL
- 17 CAMERA CRATE PLUG AND SOCKET BREAK PANEL
- 18 PORT P.R. BOMB BAY DOOR MOTOR, REAR
- 19 CONNECTORS FOR FLASH CRATE
- 20 OBLIQUE CAMERA DOOR PANELS
- 21 CONNECTOR FOR REAR FAIRING CIRCUITS
- 22 REAR CAMERAS JUNCTION BOX
- 23 STARBOARD P.R. BOMB BAY DOOR MOTOR, REAR
- 24 P.R. BOMB BAY CABLE DUCTS
- 25 STARBOARD P.R. BOMB BAY DOOR MOTOR, FORWARD
- 26 CHANGE-OF-ROLE PANEL
- 27 FUSELAGE BOMB AND FLASH JUNCTION BOX (COMMON TO B MK. 1)
- 28 FINAL DAY ROLE FUSE PANEL
- 29 FORWARD RADIUS ROD PLUGS AND SOCKETS FOR P.R. DOOR CIRCUITS
- 30 CHANGE-OF-ROLE, BOMBER/P.R. SWITCH AND PLUG AND SOCKET
- 31 PANEL Z (SEE FIG. 9)
- 32 CLOSE RELAY } FOR STARBOARD P.R. BOMB BAY DOOR MOTORS
- 33 OPEN RELAY }
- 34 LIMIT SWITCHES FOR STARBOARD CAMERA WINDOW DOORS
- 35 SURVEY CAMERA MOUNTING TYPE 80 (DAY ROLE ONLY)
- 36 REAR FAIRING (DAY ROLE)
- 37 PHOTO-FLASH CRATE (NIGHT ROLE)
- 38 REVERSING RELAY FOR STARBOARD P.R. BOMB BAY DOOR MOTOR, REAR
- 39 REVERSING RELAY FOR PORT P.R. BOMB BAY DOOR MOTOR, REAR

(SEE FIGS. 4 AND 5)

(SEE FIG. 3)

- 37 ACTUATOR
- 38 REVERSING RELAY } FOR STARBOARD CAMERA WINDOW DOORS
- 39 LIMIT SWITCHES FOR PORT CAMERA WINDOW DOORS
- 40 REVERSING RELAY } FOR PORT CAMERA WINDOW DOORS
- 41 ACTUATOR }
- 42 INTERLOCKING MICRO SWITCH } FOR P.R. BOMB BAY DOOR LOCK
- 43 ACTUATOR }
- 44 CONTROL SWITCH }
- 45 OPEN RELAY } FOR PORT P.R. BOMB BAY DOOR MOTORS
- 46 CLOSE RELAY }
- 47 REVERSING RELAY }
- 48 RESISTANCE UNIT FOR P.R. BOMB BAY DOOR LOCK
- 49 REVERSING RELAY FOR STARBOARD P.R. BOMB BAY MOTOR, FORWARD
- ◀ 50 F.49 SURVEY CAMERA (DAY ROLE ONLY) ▶
- 51 CAMERA FIXING SCREWS
- 52 MANUAL TILT CONTROL
- ◀ 53 TYPE 80 MOUNTING (TYPE 125, POST MOD. 2851) ▶
- 54 CAMERA MOUNTING STRUCTURE
- 55 POSITION FOR FIXING CAMERA WITH 12-IN. LENS
- 56 POSITION FOR FIXING CAMERA WITH 6-IN. LENS
- 57 FORE-AND-AFT TILT AXIS
- 58 OPERATING MECHANISM
- 59 REAR FAIRING WINDOW DOOR ACTUATOR
- 60 OPERATING MECHANISM, PORT RACK ADJUSTMENT } PRE-MOD. 2062
- 61 REAR FAIRING WINDOW
- 62 OBLIQUE CAMERA WINDOW
- 63 CAMERA WINDOW ACTUATOR
- 64 WINDOW COVER PLATE FOR USE WHEN OPERATING IN NIGHT ROLE OR AS A BOMBER OR TANKER
- 65 CAMERA WINDOW DOOR LIMIT SWITCHES
- 66 CLOSE RELAY FOR P.R. BOMB BAY DOOR MOTORS
- 67 OPEN RELAY FOR P.R. BOMB BAY DOOR MOTORS
- 68 REVERSING RELAY FOR P.R. BOMB BAY DOOR FORWARD MOTOR
- 69 CAMERA WINDOW DOOR (SHOWN IN OPEN POSITION)
- 70 CAMERA WINDOW
- 71 CAMERA WINDOW DOOR REVERSING RELAY
- 72 CAMERA WINDOW DOOR ACTUATOR
- 73 P.R. BOMB BAY DOOR LOCK ACTUATOR
- 74 P.R. BOMB BAY DOOR LOCK CONTROL SWITCH
- 75 RESISTANCE UNIT FOR DOOR LOCK ACTUATOR
- 76 INTERLOCKING MICRO SWITCH FOR DOOR LOCK MECHANISM
- 77 REVERSING RELAY FOR P.R. BOMB BAY DOOR REAR MOTOR
- 78 SURVEY CAMERA WINDOW DOOR ACTUATOR *closed* MICRO SWITCH } MOD.
- 79 SURVEY CAMERA WINDOW DOOR ACTUATOR *open* MICRO SWITCH } 2602

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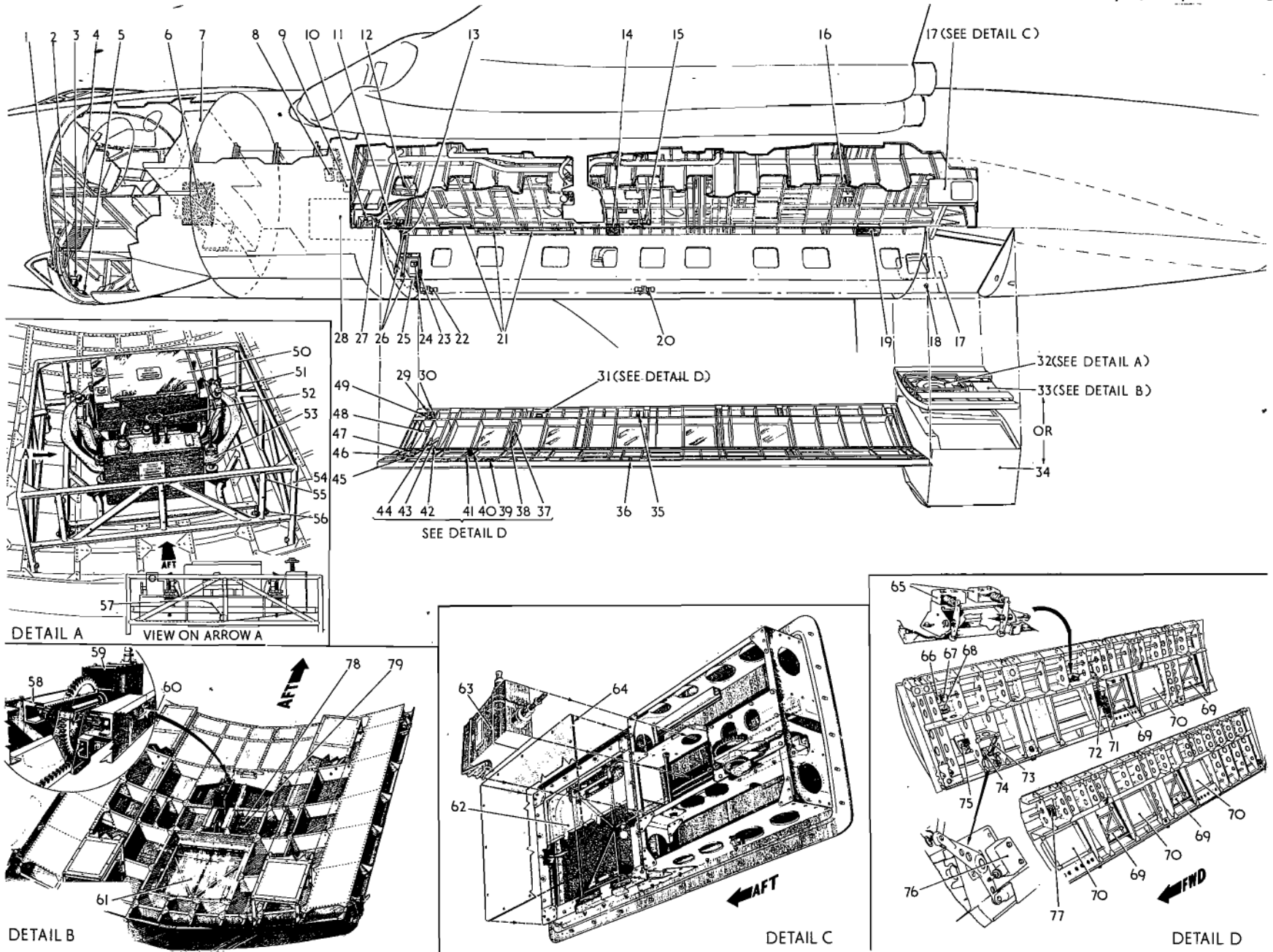
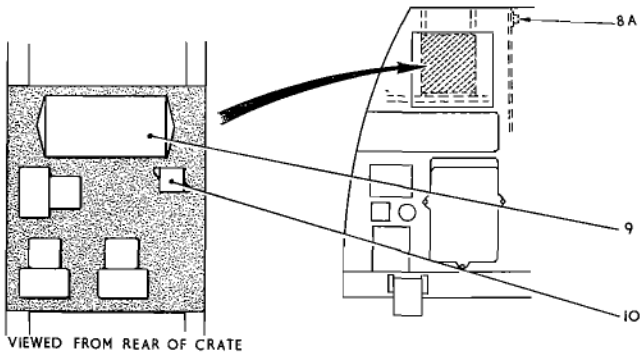
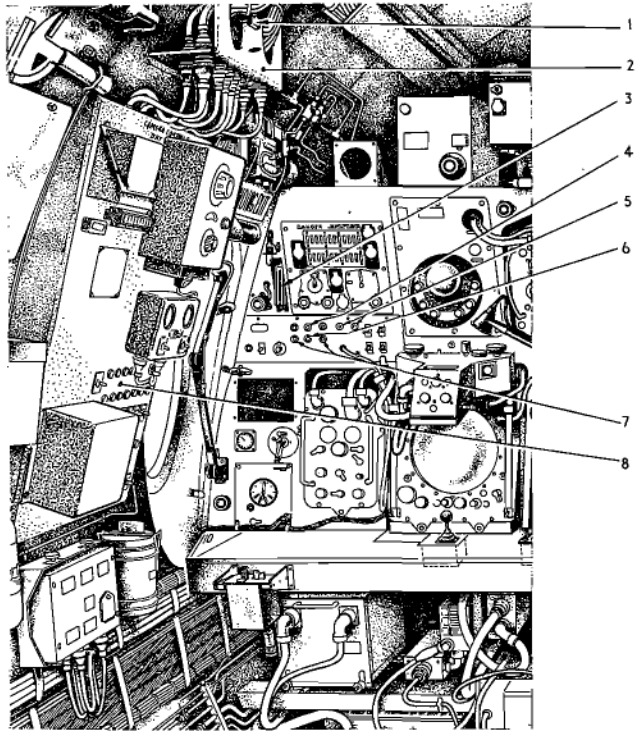


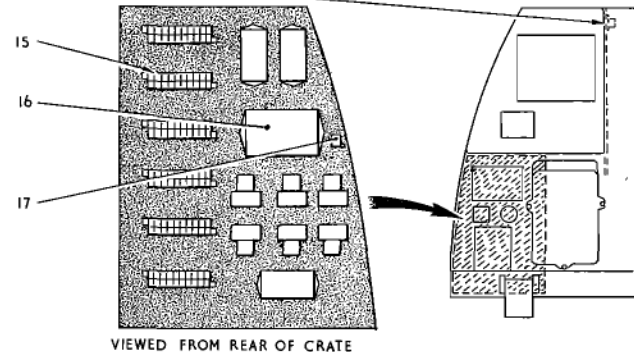
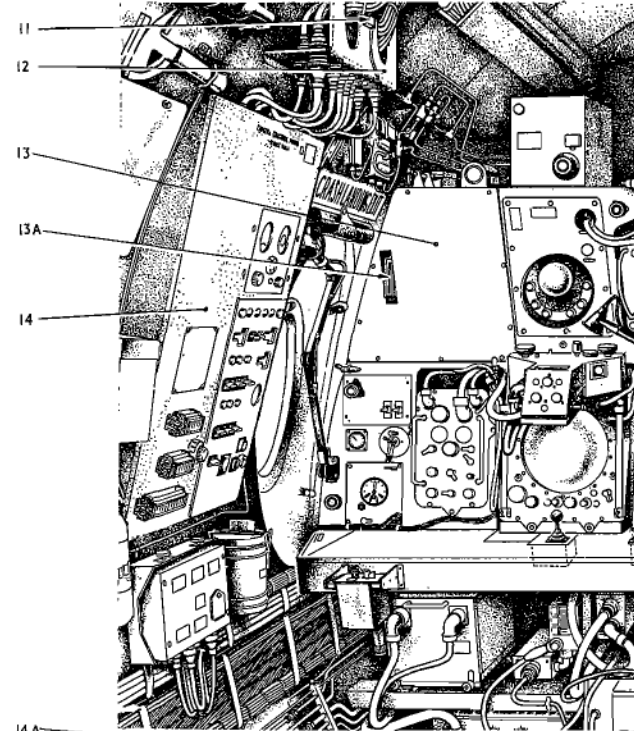
Fig. 1 PR. equipment less cameras

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VIEWED FROM REAR OF CRATE

PRE MOD. 2645 OR 2725



VIEWED FROM REAR OF CRATE

POST MOD. 2645 OR 2725

Fig. 2 P.R. Equipment in radio crate
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Key to Fig. 2 (P.R. equipment in radio crate)**Pre-Mod. 2645 or 2725**

- 1 CABIN BREAK PANEL H.D. CONNECTOR BLOCK
- 2 CABIN BREAK PANEL
- 3 TILT ANGLE INDICATOR
- * 4 FLASH CRATE DOORS OPEN INDICATOR
- * 5 NACELLE BOMBS/FLASHES ALL GONE INDICATORS
- * 6 FLASH CRATE DOORS CLOSED INDICATOR
- * 7 NACELLE DOORS OPEN AND CLOSED INDICATORS
- 8 CAMERA CONTROL PANEL (DAY ROLE SHOWN)
- 8A STOWAGE FOR 2-PIN PLAIN "A" CONNECTOR TO 12/24-WAY CONTROL UNIT WHEN IN P.R. NIGHT ROLE (MOD. 2229)
- 9 CAMERA DOOR MASTER RELAY
- 10 ONE-WAY CONNECTOR BLOCK

Post Mod. 2645 or 2725

- 11 CABIN BREAK PANEL H.D. CONNECTOR BLOCK
- 12 CABIN BREAK PANEL
- ◀ 13 NO. 4. CONTROL PANEL ▶
- ◀ 13A TILT ANGLE INDICATOR ▶
- 14 CAMERA CONTROL PANEL (NIGHT ROLE SHOWN)
- 14A STOWAGE FOR 2-PIN PLAIN "A" CONNECTOR TO 12/24-WAY CONTROL UNIT WHEN IN P.R. NIGHT ROLE (MOD. 2229)
- 15 CONNECTOR BLOCK
- 16 CAMERA DOOR MASTER RELAY
- 17 ONE-WAY CONNECTOR BLOCK

Note:—Items marked * are not operational

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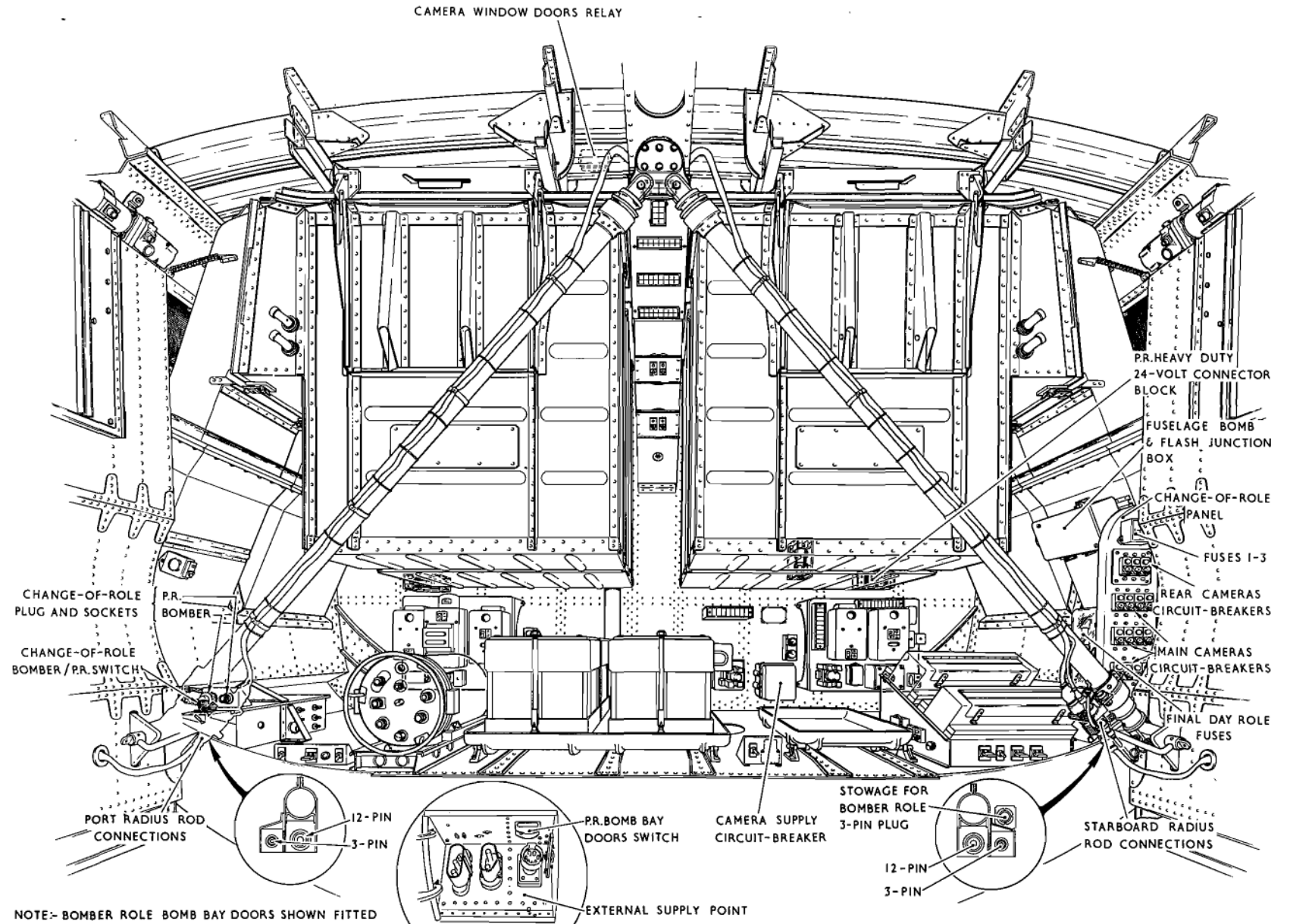


Fig. 3 P.R. Equipment in battery bay.

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(A.L.6 SEP. '58)

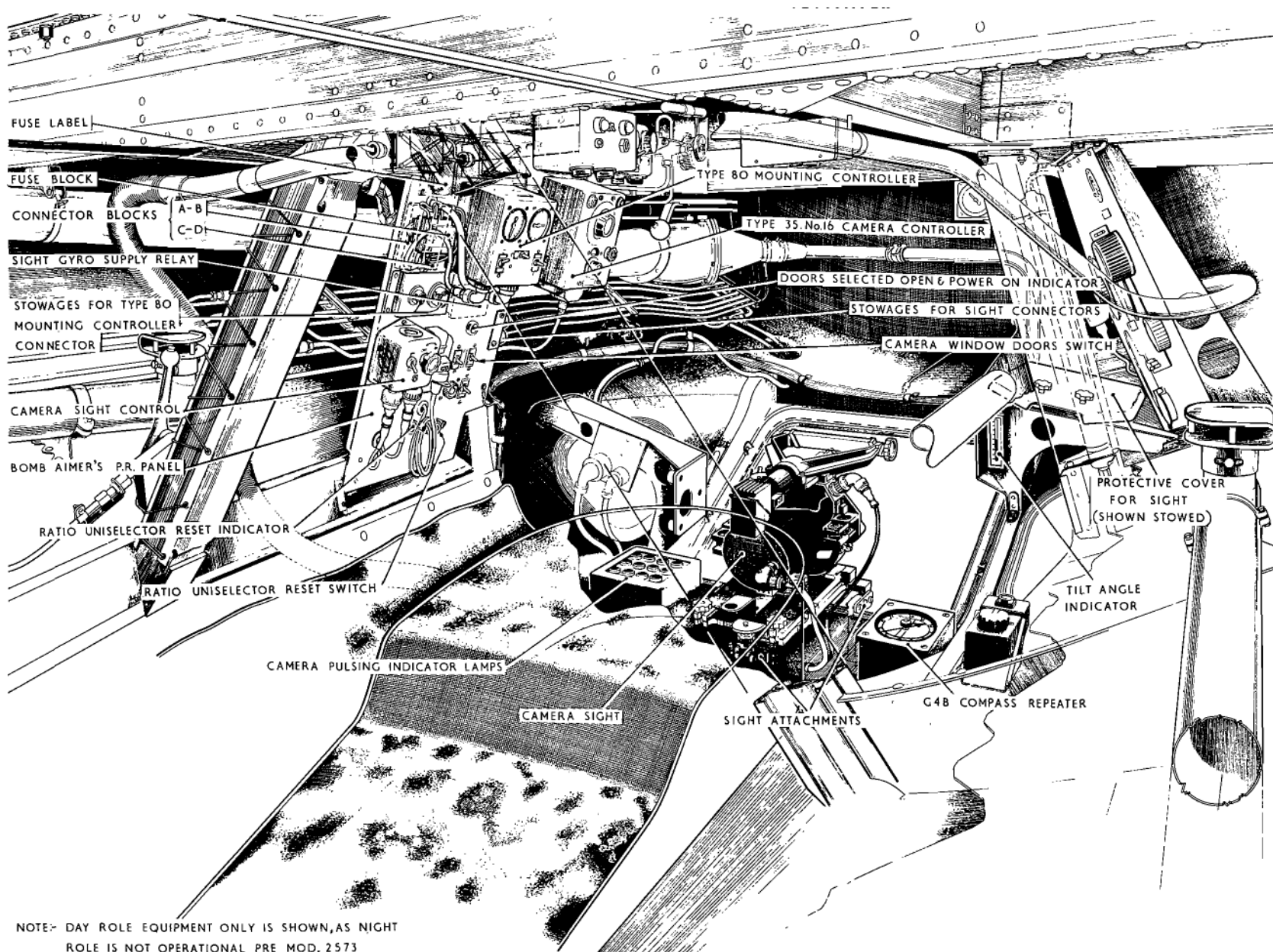


Fig.4 Equipment at Bomb Aimer's position (pre mod.2573)

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Key to Fig. 5 (P.R. equipment at bomb aimer's position—post Mod. 2573)

- 1** TYPE 35 CONTROLLER CONNECTORS STOWAGE PLATE SHOWN IN ITS STOWED (DAY ROLE) POSITION
- 1A** SIGHT GYRO SUPPLY RELAY
- 2** CONNECTOR BLOCK E-F
- 3** } STOWAGES FOR SIGHT CONNECTORS
- 4** }
- 5** CONNECTOR BLOCK C-D
- 6** FUSE BLOCK (SIGHT GYRO A.C. SUPPLY)
- 7** CONNECTOR BLOCK A-B
- 8** SPARE FUSES
- 8A** FUSE LABEL
- 9** PANEL FLOOD LAMP (ADJUSTABLE)
- 10** SIGHT LIGHTING DIMMER SWITCH
- 11** DAY ROLE RATIO UNISELECTOR RESET INDICATOR
- 12** DAY ROLE RATIO UNISELECTOR RESET SWITCH
- 13** SIGHT GYRO 'ON/OFF' SWITCH
- 14** PANEL EDGE-LIGHTING BURIED LAMPS
- 15** CAMERA WINDOW DOORS SWITCH
- 16** EDGE-LIGHTING DIMMER SWITCH
- 17** DOORS SELECTED OPEN AND POWER ON INDICATOR
- 18** PANEL FLOOD LAMP DIMMER SWITCH
- 19** DAY ROLE CAMERA PULSING INDICATOR LAMP PANEL
- 20** DAY ROLE TYPE 80 MOUNTING CONTROLLER
- 21** DAY ROLE TYPE 35, NO. 16 CAMERA CONTROLLER
- 22** CONNECTOR FOR PRE-PULSE WARNING CIRCUIT
- 23** CONNECTOR BLOCK A-B
- 23A** CONNECTOR BLOCK FOR COUNTERS
- 24** CONNECTOR BLOCK C-D
- 25** CONNECTOR FOR DAY OR NIGHT ROLE CAMERA PULSING INDICATOR LAMP PANELS
- 25A** TYPE 35 CONTROLLER CONNECTORS STOWAGE PLATE
- 26** WEDGE-PLATES FOR MOUNTING DAY ROLE CONTROLLERS
- 27** HINGED PANEL FOR MOUNTING DAY ROLE CONTROLLERS
- 28** STOWAGES FOR DAY ROLE TYPE 80 MOUNTING CONTROLLER CONNECTORS
- 29** STOWAGE FOR DAY ROLE TYPE 35, NO. 16 CONTROLLER MAIN CONNECTOR
- 30** STOWAGE FOR DAY ROLE TYPE 35, NO. 16 CONTROLLER PRE-PULSE WARNING CONNECTOR
- 31** NIGHT ROLE CAMERA PULSING AND FLASH PULSING INDICATOR LAMP PANEL (MOD. 2702)
- 32** EDGE-LIGHTING LAMPS FOR INDICATOR LAMP PANEL (THESE ALSO SECURE PANEL IN POSITION)
- 33** NIGHT ROLE EXPOSURES COUNTER
- 34** NIGHT ROLE FLASHES PULSED COUNTER
- 35** NIGHT ROLE CAMERA STOP SWITCH
- 36** NIGHT ROLE CAMERA START AND FLASH RELEASE SWITCH
- 37** NIGHT ROLE FLASH STOP SWITCH
- 38** PROTECTIVE COVER FOR SIGHT (SHOWN STOWED)
- 39** TILT ANGLE INDICATOR
- 40** G4B COMPASS REPEATER
- 41** SIGHT ATTACHMENTS
- 42** CAMERA SIGHT

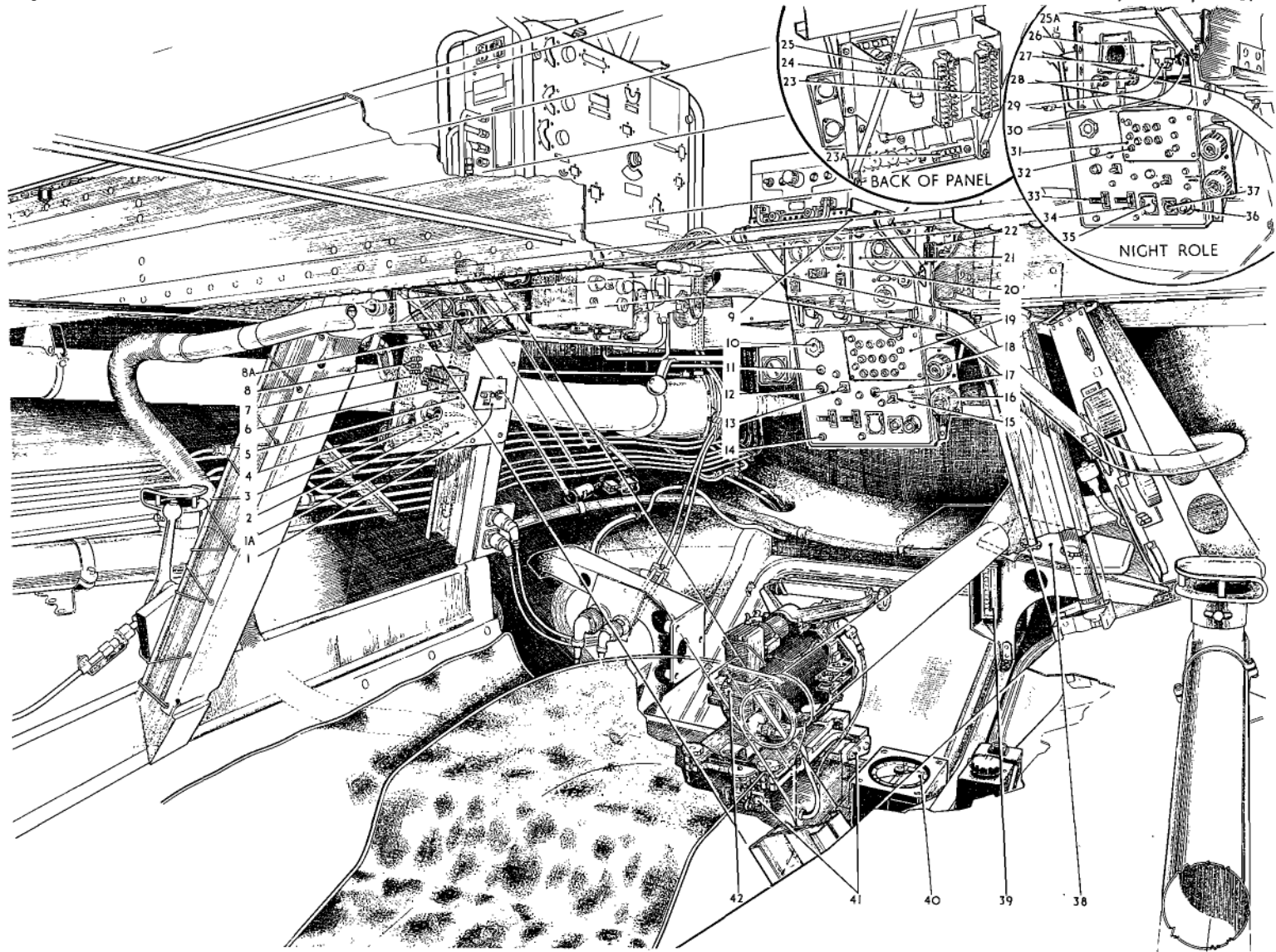


Fig.5 Equipment at Bomb Aimer's position (post Mod. 2573)

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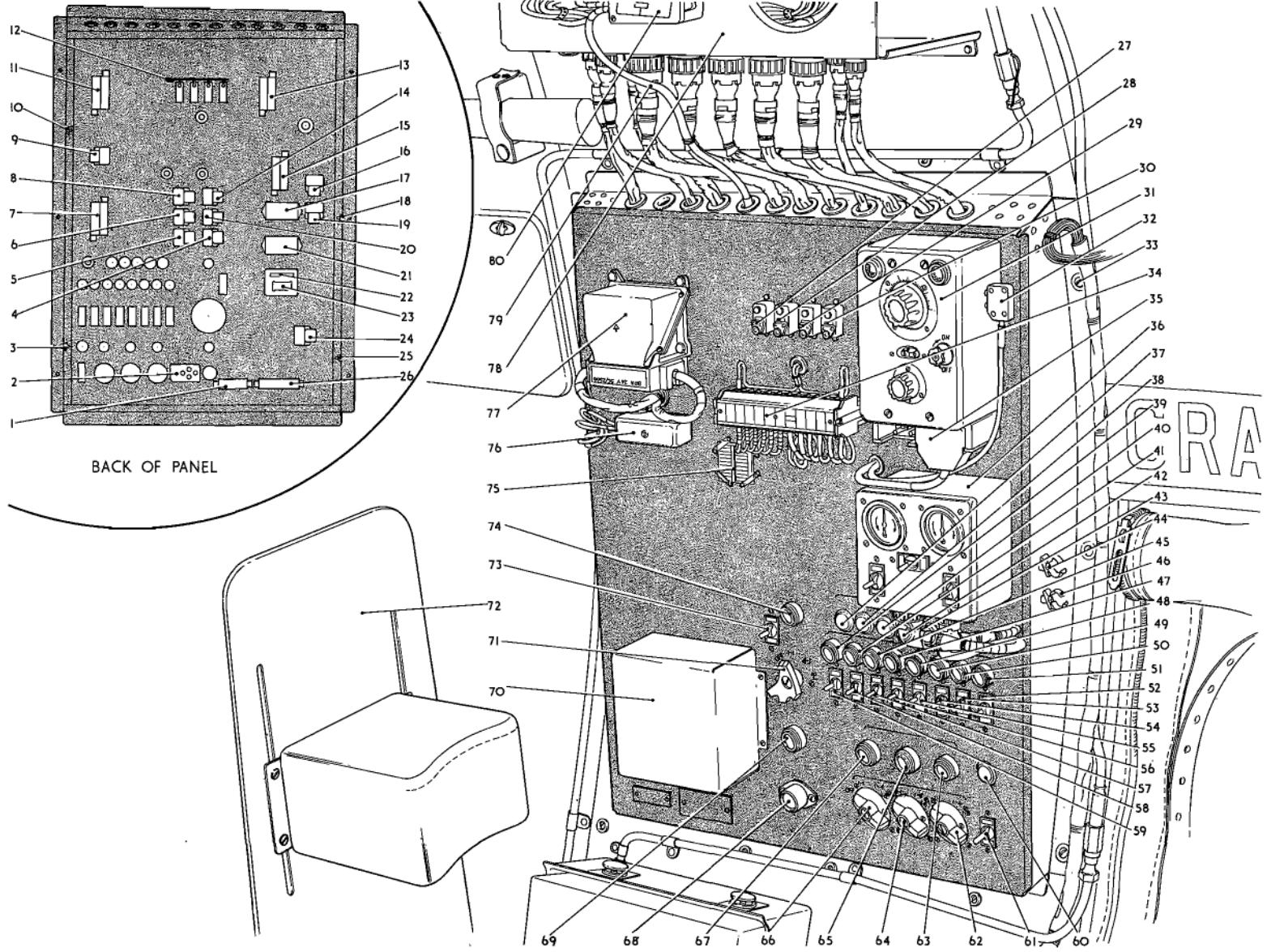


Fig. 6 Day role control panel
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Key to Fig. 6 (Day role control panel)

- | | | | |
|----|---|----|---|
| 1 | CONNECTOR BLOCK K | 41 | CAMERA NO. 2 PULSING INDICATOR LAMP |
| 2 | RECTIFIERS 1-5 | 42 | STARBOARD OBLIQUE CAMERA WINDOW DOOR INDICATOR |
| 3 | PANEL LOCAL EARTH BOLT | 43 | STARBOARD MAIN CAMERA WINDOW DOOR INDICATOR |
| 4 | RELAY H | 44 | STOWAGE FOR TYPE 80 CONTROLLER CONNECTOR |
| 5 | RELAY E | 45 | CAMERA NO. 3 PULSING INDICATOR LAMP |
| 6 | RELAY K | 46 | STOWAGE FOR TYPE 80 CONTROLLER CONNECTOR |
| 7 | CONNECTOR BLOCK G-H | 47 | CAMERA NO. 4 |
| 8 | RELAY D | 48 | CAMERA NO. 5 |
| 9 | RELAY F | 49 | CAMERA NO. 6 |
| 10 | PANEL LOCAL EARTH BOLT | 50 | CAMERA NO. 7 |
| 11 | CONNECTOR BLOCK A-B | 51 | CAMERA NO. 8 |
| 12 | PANEL BUS-BAR | 52 | CAMERA NO. 8 |
| 13 | CONNECTOR BLOCK C-D | 53 | CAMERA NO. 7 |
| 14 | RELAY C | 54 | CAMERA NO. 6 |
| 15 | CONNECTOR BLOCK E-F | 55 | CAMERA NO. 5 |
| 16 | RELAY L | 56 | CAMERA NO. 4 |
| 17 | RELAY A | 57 | CAMERA NO. 3 |
| 18 | PANEL LOCAL EARTH BOLT | 58 | CAMERA NO. 2 |
| 19 | RELAY M | 59 | CAMERA NO. 1 |
| 20 | RELAY G | 60 | DOORS SELECTED OPEN AND POWER SUPPLY ON INDICATOR |
| 21 | RELAY B | 61 | CAMERA WINDOW DOORS SWITCH |
| 22 | RESISTANCE FOR UNISELECTOR | 62 | STARBOARD TRI-CAMERA RATIO SELECTOR SWITCH |
| 23 | CAPACITANCE FOR UNISELECTOR | 63 | STARBOARD TRI-CAMERA PULSING INDICATOR LAMP |
| 24 | RELAY J | 64 | CENTRE TRI-CAMERA RATIO SELECTOR SWITCH |
| 25 | PANEL LOCAL EARTH BOLT | 65 | CENTRE TRI-CAMERA PULSING INDICATOR LAMP |
| 26 | CONNECTOR BLOCK J | 66 | PORT TRI-CAMERA RATIO SELECTOR SWITCH |
| 27 | SURVEY AND TRI-CAMERA HOLD-OFF SUPPLY CIRCUIT BREAKER | 67 | PORT TRI-CAMERA PULSING INDICATOR LAMP |
| 28 | TYPE 35 CONTROL CIRCUIT BREAKER | 68 | RATIO SELECTOR (UNISELECTOR) RESET SWITCH |
| 29 | TYPE 80 CONTROL CIRCUIT BREAKER | 69 | RATIO SELECTOR INDICATOR LAMP |
| 30 | RATIO SELECTOR SUPPLY CIRCUIT BREAKER | 70 | UNISELECTOR (UNDER COVER) |
| 31 | TYPE 35, No. 16 CONTROLLER | 71 | SURVEY CAMERA RATIO SELECTOR SWITCH |
| 32 | PRE-PULSE CONNECTOR | 72 | 2ND NAVIGATOR/BOMB AIMER'S SEAT |
| 33 | PANEL SECURING BOLTS AND WASHERS (10) | 73 | SURVEY CAMERA ISOLATE SWITCH |
| 34 | FUSES 1-12 | 74 | SURVEY CAMERA PULSING INDICATOR LAMP |
| 35 | MAIN PULSE CONNECTOR | 75 | FUSE LABEL |
| 36 | SURVEY CAMERA MOUNTING CONTROLLER, TYPE 80 | 76 | MAIN SUPPLY HEAVY DUTY CONNECTOR BLOCK |
| 37 | PORT MAIN CAMERA WINDOW DOOR INDICATOR | 77 | CAMERA MASTER RELAY (C/B, TYPE B) |
| 38 | PORT OBLIQUE CAMERA WINDOW DOOR INDICATOR | 78 | CHANGE-OF-ROLE P.R. CONNECTOR PANEL |
| 39 | CAMERA NO. 1 PULSING INDICATOR LAMP | 79 | POSITIVE SUPPLY CABLE |
| 40 | SURVEY CAMERA WINDOW DOOR INDICATOR | 80 | HEAVY DUTY CONNECTOR BLOCK FOR POSITIVE SUPPLY |

PULSING INDICATOR LAMPS

CAMERA MASTER SWITCHES

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Key to Fig. 7 (Night role control panel)

- | | | | |
|-----|---|-----|--|
| 1 | PANEL EARTH BOLT | 39 | I.M.C. CONTROLLER |
| 2 | CONNECTOR BLOCK W-X | 40 | CONTROL PANEL SECURING BOLTS AND WASHERS (10) |
| 3 | RELAY J | 41 | I.M.C. CONTROLLER LAMP |
| 4 | RECTIFIERS | 42 | I.M.C. ALTITUDE SETTING CONTROL |
| 5 | RELAY E | 43 | I.M.C. GROUND SPEED SETTING CONTROL |
| 6 | RELAY H | 44 | FILM CONTENTS INDICATOR PUSH-SWITCH (DEPRESS TO READ
MAGAZINE FILM CONTENT) |
| 7 | RELAY D | 44A | FUSE BLOCK FOR SPARE FUSES |
| 8 | RELAY Z | 45 | I.M.C. CONTROLLER LIGHTING DIMMER |
| 9 | RELAY A | 46 | FLASHES ALL GONE INDICATOR LAMP |
| 10 | CONNECTOR BLOCK U-V | 47 | FUZZING AND FLASH CRATE DOORS OPEN INDICATOR |
| 11 | RELAY B | 48 | PORT CAMERA WINDOW DOORS OPEN INDICATOR |
| 12 | RELAY C | 49 | STARBOARD CAMERA WINDOW DOORS OPEN INDICATOR |
| 13 | RELAY K | 50 | DOORS SELECTED OPEN AND POWER ON INDICATOR |
| 14 | RELAY L | 51 | FLASH PULSING INDICATOR LAMP |
| 15 | RELAY N | 52 | MASTER CAMERA SELECTOR SWITCH |
| 16 | RELAY M | 53 | FLASHES PULSED COUNTER |
| 17 | RELAY Q | 54 | CAMERA WINDOW DOORS CONTROL SWITCH |
| 18 | RELAY P | 55 | CAMERA FILM INDICATORS (LEFT TO RIGHT, NOS. 1, 2 and 3) |
| 19 | RELAY S | 56 | EXPOSURES COUNTER |
| 20 | RELAY U | 57 | CAMERA SELECTOR SWITCHES (LEFT TO RIGHT, NOS. 1, 2 AND 3) |
| 21 | RELAY R | 58 | I.M.C. CAMERA SETTING SELECTOR |
| 22 | RELAY W | 59 | CAMERA FILM INDICATORS (LEFT TO RIGHT, NOS. 4, 5 AND 6) |
| 23 | RELAY T | 60 | CAMERA SELECTOR SWITCHES (LEFT TO RIGHT, NOS. 4, 5 AND 6) |
| 24 | 5-WAY EARTH CONNECTOR BLOCK | 61 | FRAME WIND SWITCH |
| 25 | RELAY G | 62 | CAMERA START AND FLASH RELEASE SWITCH |
| 26 | RELAY Y | 63 | FLASH STOP SWITCH |
| 27 | CONNECTOR BLOCK S-T | 64 | CAMERA STOP SWITCH |
| 28 | RELAY X | 65 | MAGAZINE TEST SWITCH |
| 29 | RELAY V | 66 | PANEL LIGHTING DIMMER |
| 30 | RELAY F | 67 | FUSES 1 TO 12 |
| 31 | RELAYS K-Y CONNECTOR BLOCKS (A-M (1-10) AND N-R (1-5)) | 68 | FUSES 13 TO 18 |
| 32 | ANTI-VIBRATION MOUNTED PANEL FOR RELAYS K-Y | 68A | FUSES 19 TO 24 |
| 33 | CONNECTOR BLOCK Y | 69 | FUSE LABEL |
| 34 | 12-WAY EARTH CONNECTOR BLOCK | 70 | 2ND NAVIGATOR/BOMB AIMER'S SEAT |
| 34A | CONNECTOR BLOCK AA | 71 | FLASHES REMAINING COUNTER |
| 34B | CONNECTOR BLOCK Z | 72 | PANEL LIGHTING BURIED LAMPS |
| 35 | BREAK PANEL NEGATIVE RETURN EARTHING BOLT | 73 | CHANGE-OF-ROLE P.R. CONNECTOR PANEL |
| 36 | PANEL NEGATIVE RETURN CABLE | 74 | POSITIVE SUPPLY CABLE |
| 37 | NIGHT ROLE CONTROL PANEL | 75 | HEAVY DUTY CONNECTOR BLOCK FOR POSITIVE SUPPLY |
| 38 | I.M.C. GROUND SPEED INDICATOR (COMBINED GROUND SPEED AND
FILM FOOTAGE INDICATOR) | | |

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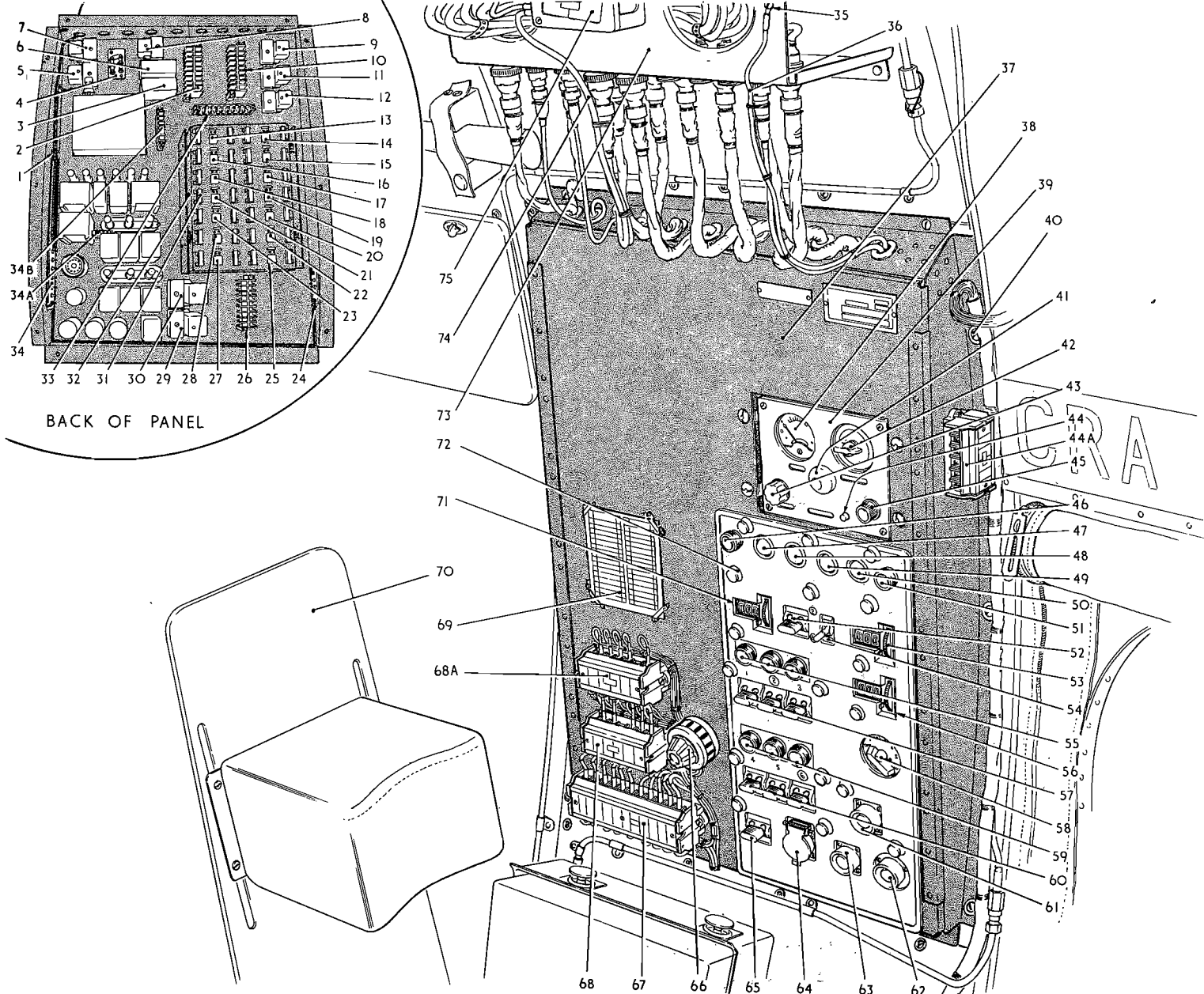


Fig.7 Night role control panel
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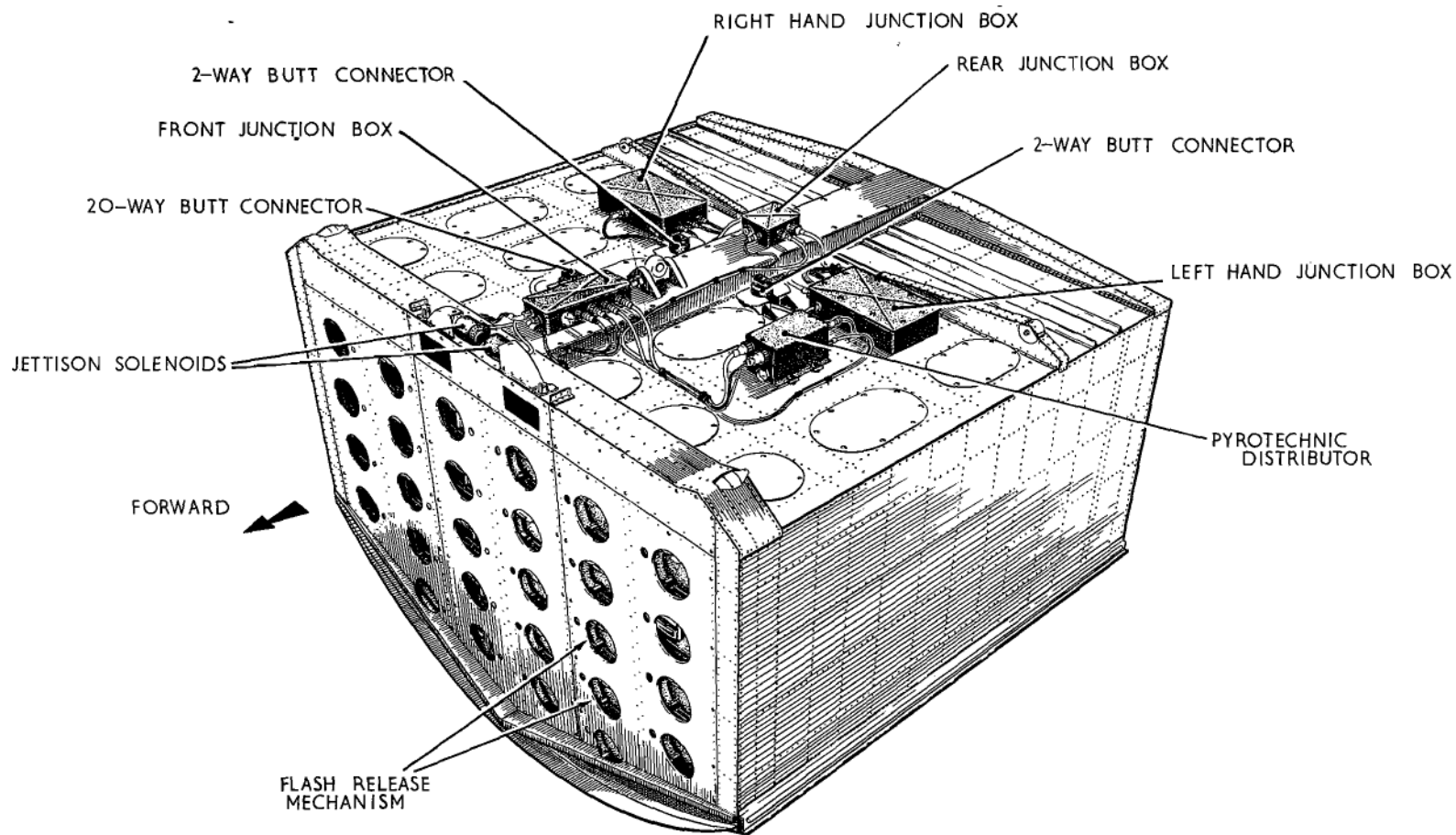


Fig.8 Night role flash crate
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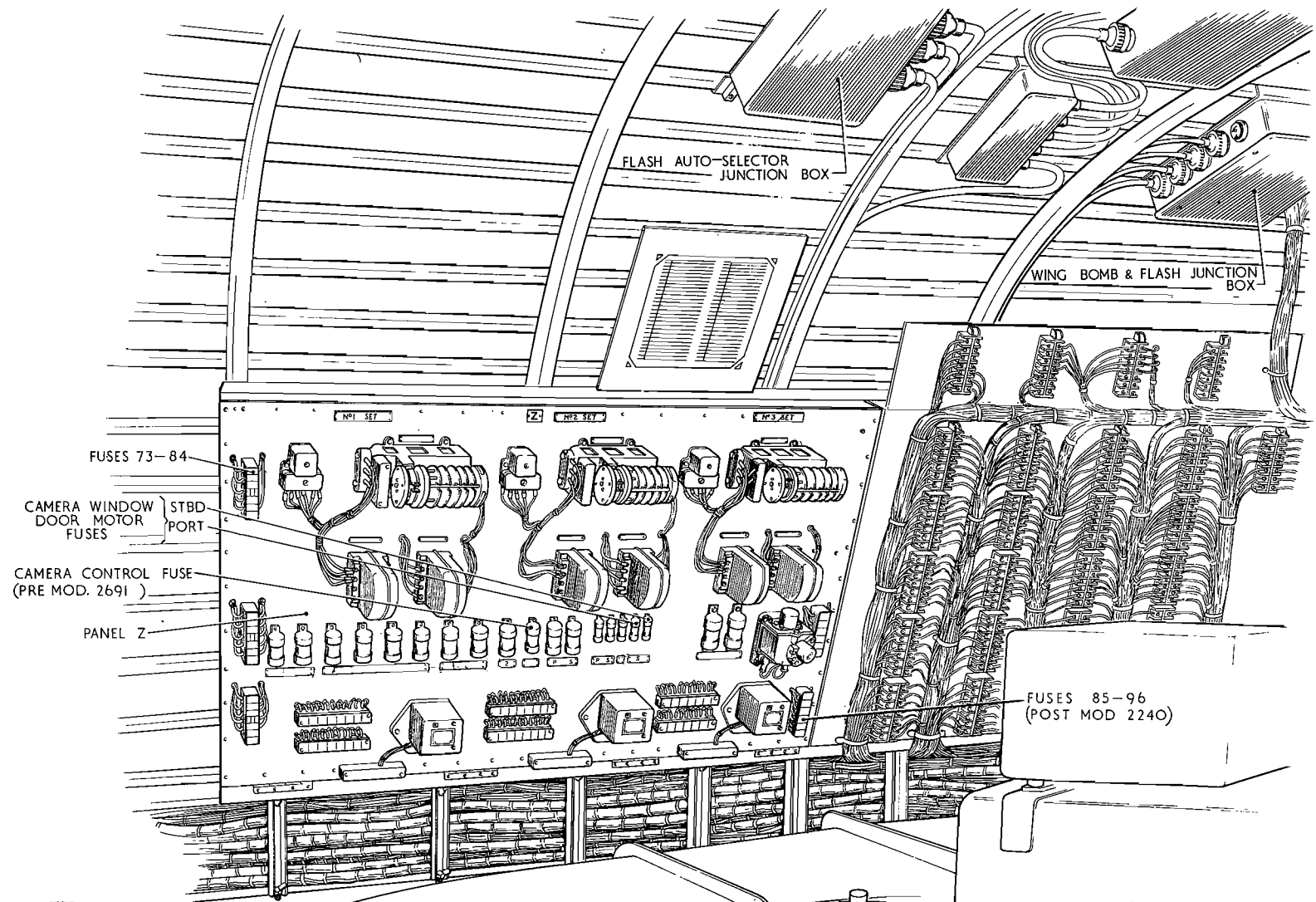


Fig.9 Panel Z
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