

Project No: **BDHRN002**Job Card No **0157**

Notif.No.: 10049045

Activity: **1001**

Rev No: 20000622

Model.: F900EX

Sheet 1 of 1

A/C Regn: **D-AHRN**

Serial No.: 096

Type: F900EX

Starting Phase: Functions

Starting Work Centre: MTX AVIO DEPT

**Job Description: OPC Warning Panel Emergency Power Supply**

ETOPS A/C: No

RVSM A/C: No

Warranty: -

ATA: 31

Check Type: 2A CHECK

Work Center	
MTX AVIO DEPT	

**Zone: 200****Access Required for this task:**

PAX

## Corrective Action

0001	<b>Task carried out in accordance with the attached Customer Card that quotes the Operator code detailed below.</b>					  Order: 80069262 Operation: 0010 Phase: Functions - scheduling activity Work Center: MTX AVIO DEPT
	Accomplished		Inspected			
	Pers. No.	Date	Pers. No.	Date		
	Stamp		Stamp			

Completed & Confirmed on SAP IAW MOE 2.13.

**Defect Card Raised**

## Components Removed/Installed

	Part Number	Part Name	S/N	Location	Comm. Off/On
OFF					
ON					
OFF					
ON					
OFF					
ON					
OFF					
ON					

Occurance Report Raised? YES ☐

Operations Above &amp; Notifications Completed IAW MOE 2.13.



OEM Code: 31-52-00-710-801

Operator Code: 31-52-00-710-801-01

Form No: JA-SAP-MTX-002

Printed by: ADAMOVIC G



Printed: 03.09.2012

13:34:17

Print No: 1

Operator: **HERON AVIATION**

Work Card No.: **31.010**

Serial No.: **096**

Model: **FALCON 900EX**

**PKG # 2 2A INSPECTION**

Reg No.: **D-AHRN**

Workorder No.: \_\_\_\_\_

	Date	A/C HRS	AFL	APH			
Due At	<b>25-NOV-2012</b>	<b>4410:47</b>					
Accomplished							

TECHNICIAN SIGNATURE: \_\_\_\_\_ KIND OF CERTIFICATE & NO.: \_\_\_\_\_

INSPECTED BY: \_\_\_\_\_ KIND OF CERTIFICATE & NO.: \_\_\_\_\_

TECH	INSP	LABOR-HRS HRS.MINS
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**>31-52-00-710-801- 01 OPERATIONAL TEST OF THE WARNING PANEL EMERGENCY POWER SUPPLY**

\_\_\_\_\_

REMARKS : \_\_\_\_\_

AMM 31-52-00-710-801

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### TASK 31-52-00-710-801

## OPERATIONAL TEST OF THE WARNING PANEL EMERGENCY POWER SUPPLY

### 1. OVERVIEW OF THE JOB

Operation code: 31-52-00-710-801-01

The warning panel test function is used to check the control circuits of the following lights:

- "ENGINE 2 FAIL" ([2WW11](#)),
- "LO FUEL 1" ([2WW27](#)),
- "LO FUEL 2" ([2WW28](#)),
- "LO FUEL 3" ([2WW29](#)),
- "AIL FEEL" ([2WW43](#)),
- "PITCH FEEL" ([2WW44](#)),
- "THRUST REVERSER" ([2WW46](#)),
- "ANTI ICE" ([2WW50](#)),
- "L.WHL OVHT" ([2WW54](#)),
- "ECU OVHT" ([2WW55](#)),
- "R.WHL OVHT" ([2WW56](#)),
- "BLEED OVHT" ([2WW57](#)),
- "DOORS" ([2WW64](#)).

NOTE: "CENTRAL TANKS" light ([2WW31](#)) is controlled via its normal power supply circuit.

### 2. LOGISTICS

#### A. References

##### Reference

- [24-00-00-860-801](#)
- [32-60-00-910-802](#)

##### Designation

ENERGIZATION / DE-ENERGIZATION OF THE AIRCRAFT  
USE OF THE TARGETS FOR FLIGHT SIMULATION

#### B. Energy

- ELECTRICAL

#### C. Access

##### Reference

- [PAX](#)

##### Designation

PASSENGER DOOR

### 3. PRELIMINARY STEPS

- Connect the electrical ground power unit (Refer to [TASK 24-00-00-860-801](#), paragraph "Connection of the Electrical Ground Power Unit").
- Energize the aircraft systems (Refer to [TASK 24-00-00-860-801](#), paragraph "Energization with the Electrical Ground Power Unit").

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### 4. CHECK OF THE TEST FUNCTION

Refer to **fig. 1**, **fig. 3** and **fig. 4**

- A. In the cockpit, on circuit breaker panel (**10PP**), disengage the following circuit breakers and secure them with circuit breaker lockouts:
- in "B1 BUS" section, "WARNINGS-FIRE" zone: "PANEL WARN LIGHTS B" circuit breaker (**R11WW**),
  - in "B1 BUS" section, "WARNINGS-FIRE" zone: "AUDIO WARN B" circuit breaker (**R1WL**).
- B. On circuit breaker panel (**10PP**), make sure that the following circuit breakers are engaged:
- in "A1 BUS" section, "WARNINGS-FIRE" zone: "PANEL WARN LIGHTS A" circuit breaker (**L11WW**),
  - in "A1 BUS" section, "WARNINGS-FIRE" zone: "AUDIO WARN A" circuit breaker (**L1WL**).
- C. On warning panel (**2WW**), set "DIM/BRIGHT" switch (**2WW02**) to "BRIGHT".
- D. On warning panel (**2WW**), set "TEST" switch (**2WW01**) to "LIGHTS" and hold it in that position.
- (1) Make sure that the audio warning ("GONG") is heard.
  - (2) On warning panel (**2WW**), make sure that all the indicator lights are illuminated.
  - (3) Check for illumination of the green light (**2WW69**).
  - (4) Make sure that the red "MASTER WARNING" switch/lights (**L5WW**) and (**R5WW**) are flashing.
  - (5) Make sure that the amber "MASTER CAUTION" switch/lights (**L4WW**) and (**R4WW**) are illuminated steady.
  - (6) On warning panel (**2WW**), set "DIM/BRIGHT" switch (**2WW02**) to "DIM".
  - (7) On warning panel (**2WW**), make sure that all the indicator lights are dimmed.
- E. On warning panel (**2WW**), release "TEST" switch (**2WW01**).
- F. On circuit breaker panel (**10PP**),
- (1) Disengage the following circuit breakers and secure them with circuit breaker lockouts:
    - in "A1 BUS" section, "WARNINGS-FIRE" zone: "PANEL WARN LIGHTS A" circuit breaker (**L11WW**),
    - in "A1 BUS" section, "WARNINGS-FIRE" zone: "AUDIO WARN A" circuit breaker (**L1WL**).
  - (2) Remove the circuit breaker lockouts from the following circuit breakers:
    - in "B1 BUS" section, "WARNINGS-FIRE" zone: "PANEL WARN LIGHTS B" circuit breaker (**R11WW**),
    - in "B1 BUS" section, "WARNINGS-FIRE" zone: "AUDIO WARN B" circuit breaker (**R1WL**).
  - (3) Engage these circuit breakers.
- G. Repeat steps 3 through 5.
- H. On circuit breaker panel (**10PP**), engage the following circuit breakers:

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- in "A1 BUS" section, "WARNINGS-FIRE" zone: "PANEL WARN LIGHTS A" circuit breaker (**L11WW**),
- in "A1 BUS" section, "WARNINGS-FIRE" zone: "AUDIO WARN A" circuit breaker (**L1WL**).

### 5. CHECK OF INHIBIT FUNCTIONS

Refer to **fig. 1**, **fig. 2**, **fig. 3** and **fig. 4**

- A. Test of inhibit function on illumination of the red "CABIN" warning light (**2WW66**)
- (1) Make sure that the aircraft is in ground configuration (weight-on-wheels).
  - (2) On circuit breaker panel (**10PP**), make sure that "CABIN PRESS" circuit breaker (**1HP**) is engaged.
  - (3) On emergency pressurization controller (**9HP**), make sure that the "AUTO/MAN" switch is set to "AUTO".
  - (4) On throttle control unit (**500EC**), make sure that the three throttle levers (**L500EC**), (**M500EC**) and (**R500EC**) are set to the STOP position.
  - (5) On automatic pressurization controller (**3HP**), press and hold the "TEST" pushbutton.
    - (a) Make sure that the red "CABIN" warning light (**2WW66**) on warning panel (**2WW**) illuminates.
    - (b) Make sure that the red "MASTER WARNING" switch/lights (**L5WW**) and (**R5WW**) do not illuminate.
    - (c) Make sure that the CABIN voice warning is heard.
    - (d) On throttle control unit (**500EC**), set one of the three throttle levers to the FULL POWER position.
    - (e) Make sure that the red "MASTER WARNING" switch/lights (**L5WW**) and (**R5WW**) are flashing.
  - (6) On automatic pressurization controller (**3HP**), release the "TEST" pushbutton.
    - (a) Make sure that the red "CABIN" warning light (**2WW66**) extinguishes and the CABIN voice warning is no longer heard.
    - (b) Press one of the red "MASTER WARNING" switch/lights (**L5WW**) and (**R5WW**).
    - (c) Make sure that the red "MASTER WARNING" switch/lights (**L5WW**) and (**R5WW**) extinguish.
  - (7) Set all the throttle levers on throttle control unit (**500EC**) to the STOP position.
  - (8) De-energize the aircraft systems (Refer to **TASK 24-00-00-860-801**, paragraph "De-Energization with the Electrical Ground Power Unit").
- B. Check of inhibit function on illumination of the amber "BUS TIED" light (**2WW22**)
- (1) On the center circuit breaker panel, make sure that "LH AUTO SLAT" circuit breaker (**L1CM**) and "RH AUTO SLAT" circuit breaker (**R1CM**) are engaged.  
**CAUTION: THE AIRCRAFT SYSTEMS MUST BE ENERGIZED WITH THE A/C BATTERIES TO PERFORM THE FOLLOWING TEST WHICH TAKES LESS THAN ONE MINUTE. THE A/C SYSTEMS MUST BE DE-ENERGIZED AS SOON AS THE SUPPLY FROM THE BATTERIES IS NO LONGER REQUIRED.**
  - (2) Energize the aircraft systems with the batteries (Refer to **TASK 24-00-00-860-801**, paragraph "Energization from Batteries (**L1PE**)/(**R1PE**)").

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- (3) If necessary, reset "MASTER CAUTION" switch/lights (**L4WW**) and (**R4WW**) and "MASTER WARNING" switch/lights (**L5WW**) and (**R5WW**).
- (4) On the overhead panel, set "FLIGHT NORM" rotary switch (**4PA**) to the horizontal position (Bus A and B tied).
- (5) On warning panel (**2WW**), make sure that the amber "BUS TIED" light (**2WW22**) illuminates.
- (6) Make sure that the amber "MASTER CAUTION" switch/lights (**L4WW**) and (**R4WW**) remain extinguished.
- (7) On the overhead panel, set "FLIGHT NORM" rotary switch (**4PA**) to the vertical position (Bus A and B untied).
- (8) On warning panel (**2WW**), make sure that the amber "BUS TIED" light (**2WW22**) is extinguished.
- (9) Set one of the three throttle levers on throttle control unit (**500EC**) to the FULL POWER position.
- (10) If necessary, reset "MASTER CAUTION" switch/lights (**L4WW**) and (**R4WW**) and "MASTER WARNING" switch/lights (**L5WW**) and (**R5WW**).
- (11) On the overhead panel, set "FLIGHT NORM" rotary switch (**4PA**) to the horizontal position (Bus A and B tied).
- (12) On warning panel (**2WW**), make sure that the amber "BUS TIED" light (**2WW22**) illuminates.
- (13) Make sure that the amber "MASTER CAUTION" switch/lights (**L4WW**) and (**R4WW**) remain extinguished.
- (14) On the overhead panel, set "FLIGHT NORM" rotary switch (**4PA**) to the vertical position (Bus A and B untied).
- (15) On warning panel (**2WW**), make sure that the amber "BUS TIED" light (**2WW22**) extinguishes.
- (16) De-energize the aircraft systems (Refer to **TASK 24-00-00-860-801**, paragraph "De-Energization from Batteries (**L1PE**)/(**R1PE**)").
- (17) Install in-flight simulating tool (Refer to **TASK 32-60-00-910-802**, paragraph "Use").
- (18) Energize the aircraft systems with the batteries (Refer to **TASK 24-00-00-860-801**, paragraph "Energization from Batteries (**L1PE**)/(**R1PE**)").
- (19) If necessary, reset "MASTER CAUTION" switch/lights (**L4WW**) and (**R4WW**) and "MASTER WARNING" switch/lights (**L5WW**) and (**R5WW**).
- (20) On the overhead panel, set "FLIGHT NORM" rotary switch (**4PA**) to the horizontal position (Bus A and B tied).
- (21) On warning panel (**2WW**), make sure that the amber "BUS TIED" light (**2WW22**) illuminates.
- (22) Make sure that the amber "MASTER CAUTION" switch/lights (**L4WW**) and (**R4WW**) illuminate.  
**NOTE:** The illumination of "MASTER CAUTION" switch/lights (**L4WW**) and (**R4WW**) is associated with a single gong audio warning.
- (23) Set the throttle lever on throttle control unit (**500EC**) to the STOP position.
- (24) Make sure that the amber "MASTER CAUTION" switch/lights (**L4WW**) and (**R4WW**) extinguish.
- (25) On the overhead panel, set "FLIGHT NORM" rotary switch (**4PA**) to the vertical position (Bus A and B untied).



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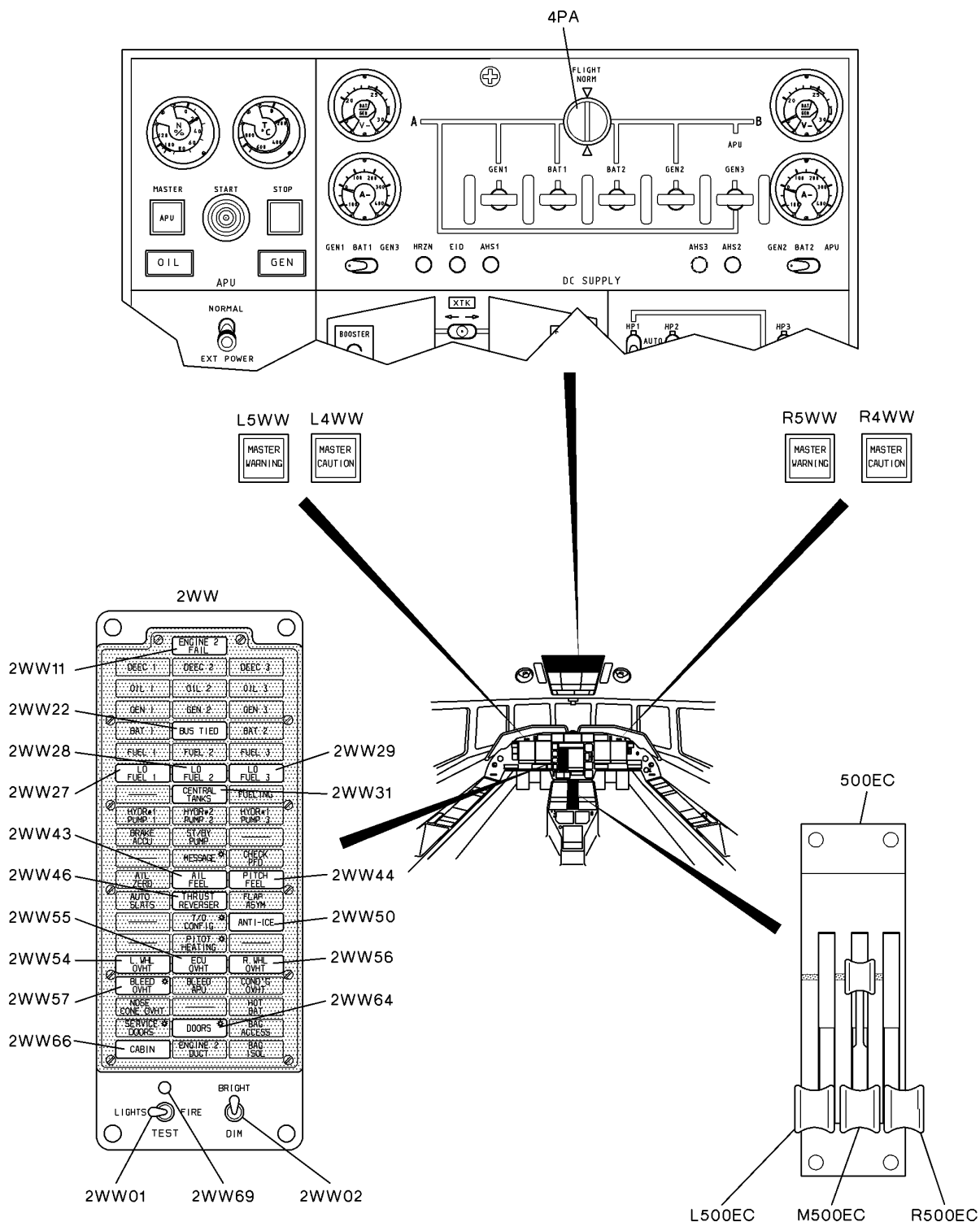
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(26) On warning panel (**2WW**), make sure that the amber "BUS TIED" light (**2WW22**) extinguishes.

### **6. FINAL STEPS**

- A. De-energize the aircraft systems (Refer to **TASK 24-00-00-860-801**, paragraph "De-Energization from Batteries (**L1PE**)/(**R1PE**)").
- B. Remove in-flight simulating tool (Refer to **TASK 32-60-00-910-802**, paragraph "Removal").
- C. Disconnect the electrical ground power unit (Refer to **TASK 24-00-00-860-801**, paragraph "Disconnection of the Electrical Ground Power Unit").

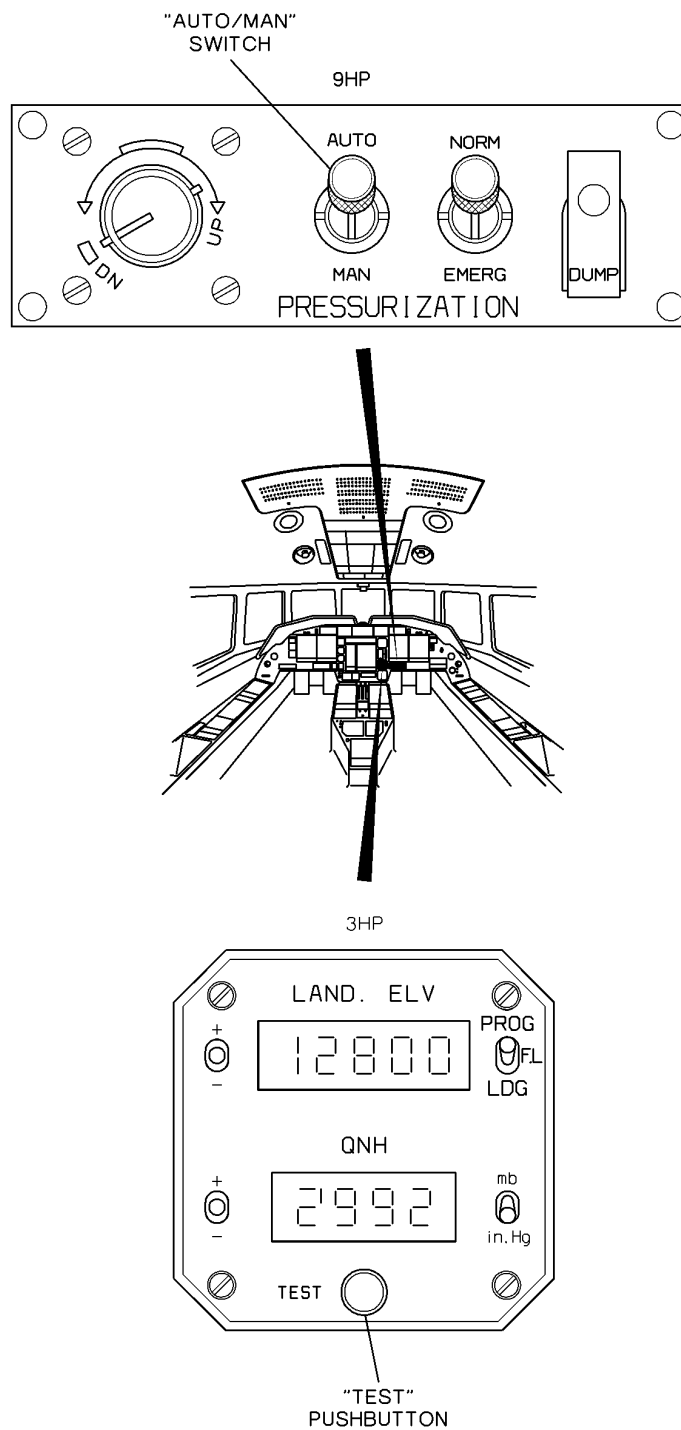
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**Figure 1: Location of Cockpit Controls (1/2)**

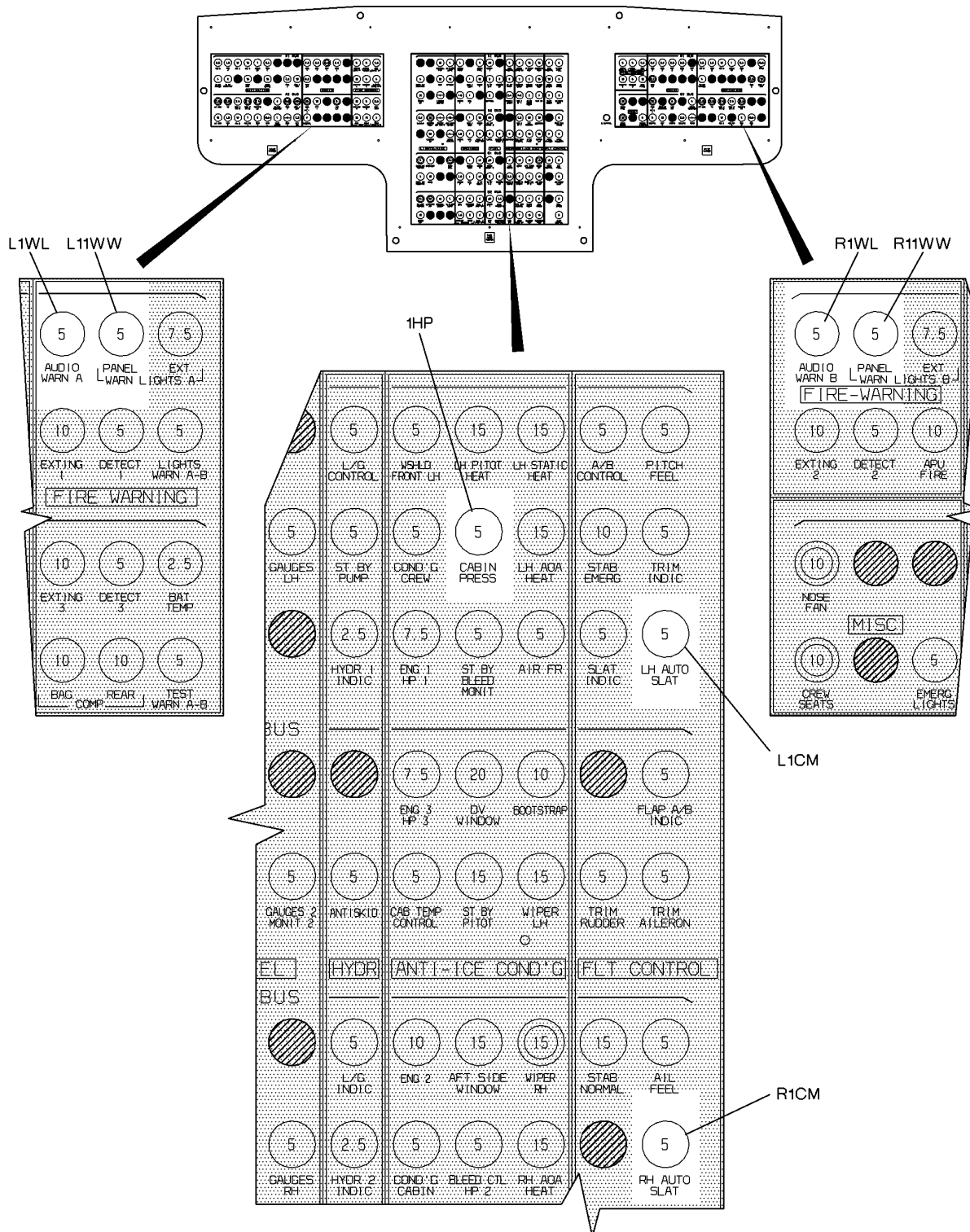


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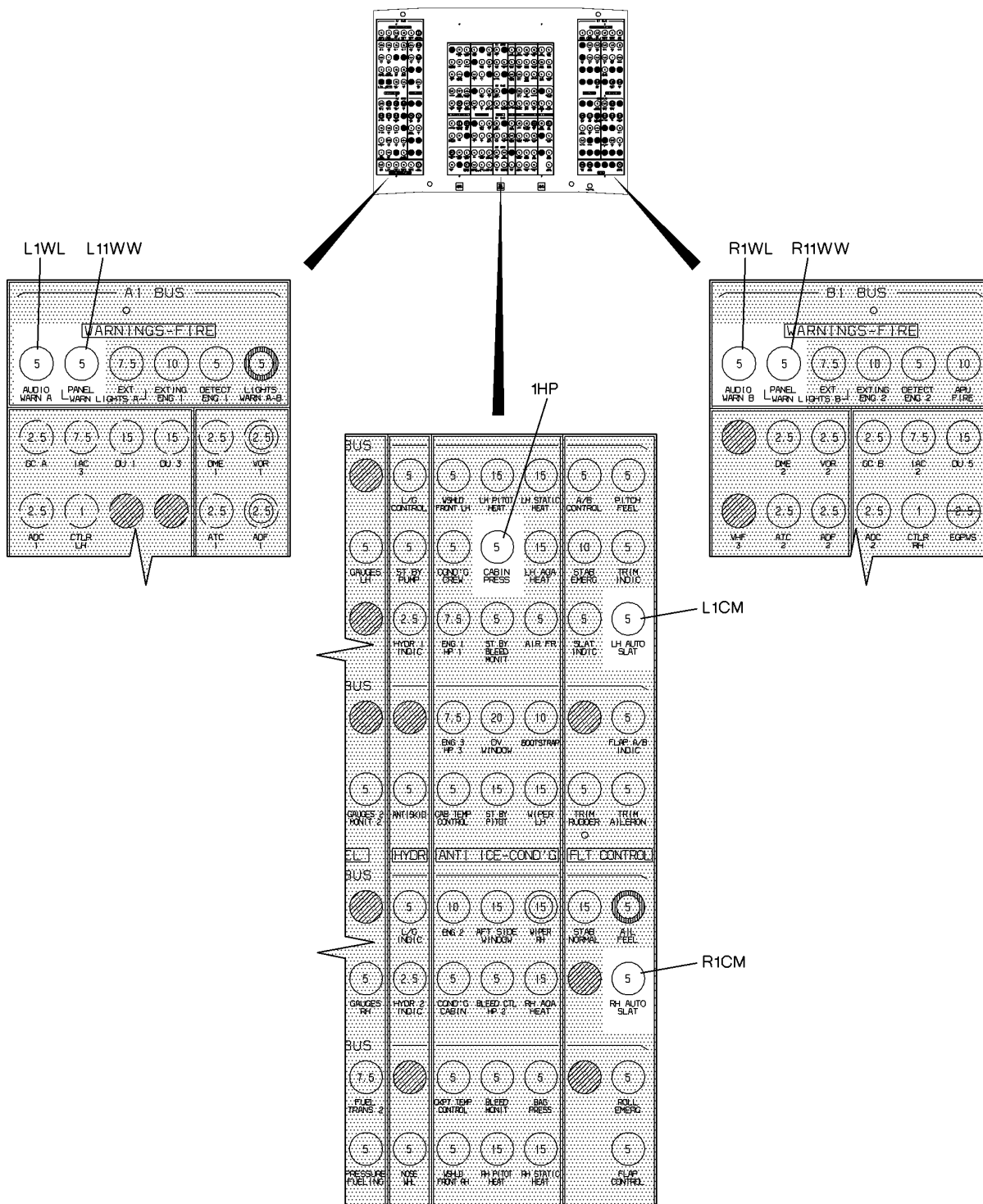
**Figure 2: Location of Cockpit Controls (2/2)**

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**Figure 3: Location of Circuit Breakers (A/C < 23)**

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**Figure 4: Location of Circuits Breakers ( $A/C \geq 23$ )**