

## BACKUP BATTERY SYSTEM - ADJUSTMENT/TEST

*EFFECTIVITY: ALL*

1. General

- A. This section gives the procedures to do the operational test of the back-up battery system.
- B. The procedures in this section are given in the sequence below. The tasks identified with (◆) are part of the Scheduled Maintenance Requirements Document (SMRD).

<i>TASK NUMBER</i>	<i>DESCRIPTION</i>	<i>EFFECTIVITY</i>
24-35-00-700-801-A	BACK-UP BATTERY SYSTEM - OPERATIONAL TEST	ALL

TASK 24-35-00-700-801-A

EFFECTIVITY: ALL

## 2. BACK-UP BATTERY SYSTEM - OPERATIONAL TEST

### A. General

- (1) The function of this test is to make sure that the back-up battery system operates correctly.

### B. References

REFERENCE	DESIGNATION
<a href="#">AMM TASK 20-40-01-860-801-A/200</a>	ENERGIZATION OF THE AIRCRAFT WITH AN EXTERNAL POWER SOURCE
<a href="#">AMM TASK 24-35-01-400-801-A/400</a>	BACKUP BATTERY - INSTALLATION
<a href="#">AMM TASK 24-35-01-700-801-A/500</a>	BACK-UP BATTERY - FUNCTIONAL CHECK

### C. Zones and Accesses

Not Applicable

### D. Tools and Equipment

Not Applicable

### E. Auxiliary Items

Not Applicable

### F. Consumable Materials

Not Applicable

### G. Expandable Parts

Not Applicable

### H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	Cockpit

### I. Preparation

#### SUBTASK 841-002-A

- (1) Make sure that the Back-up Battery is installed correctly ( [AMM TASK 24-35-01-400-801-A/400](#)).
- (2) Do the Functional Check of the Back-up Battery ( [AMM TASK 24-35-01-700-801-A/500](#)).
- (3) Energize the aircraft with the External DC-Power Supply ( [AMM TASK 20-40-01-860-801-A/200](#)).

### J. Test Procedure ([Figure 501](#)) ([Figure 502](#))

#### SUBTASK 710-002-A

- (1) Do the check as follows:

- (a) Set the BATT 1 and BATT 2 switches, on the overhead panel, to AUTO.
  - (b) Set the BACKUP pushbutton, on the overhead panel, to OFF.  
Result:
    - 1 The EICAS display shows the BACKUP BATT OFF BUS caution message.
    - 2 On the BACKUP pushbutton, the striped bar comes on.
    - 3 The CAUTION lights flash.
  - (c) Push a CAUTION light.  
Result:
    - 1 The CAUTION lights go off.
  - (d) Set the BACKUP pushbutton to AUTO.  
Result:
    - 1 On the EICAS display, the BACKUP BATT OFF BUS caution message goes out of view.
    - 2 On the BACKUP pushbutton, the striped bar goes off.
- (2) Set the BATT 1 and BATT 2 switches to OFF.

K. Follow-on

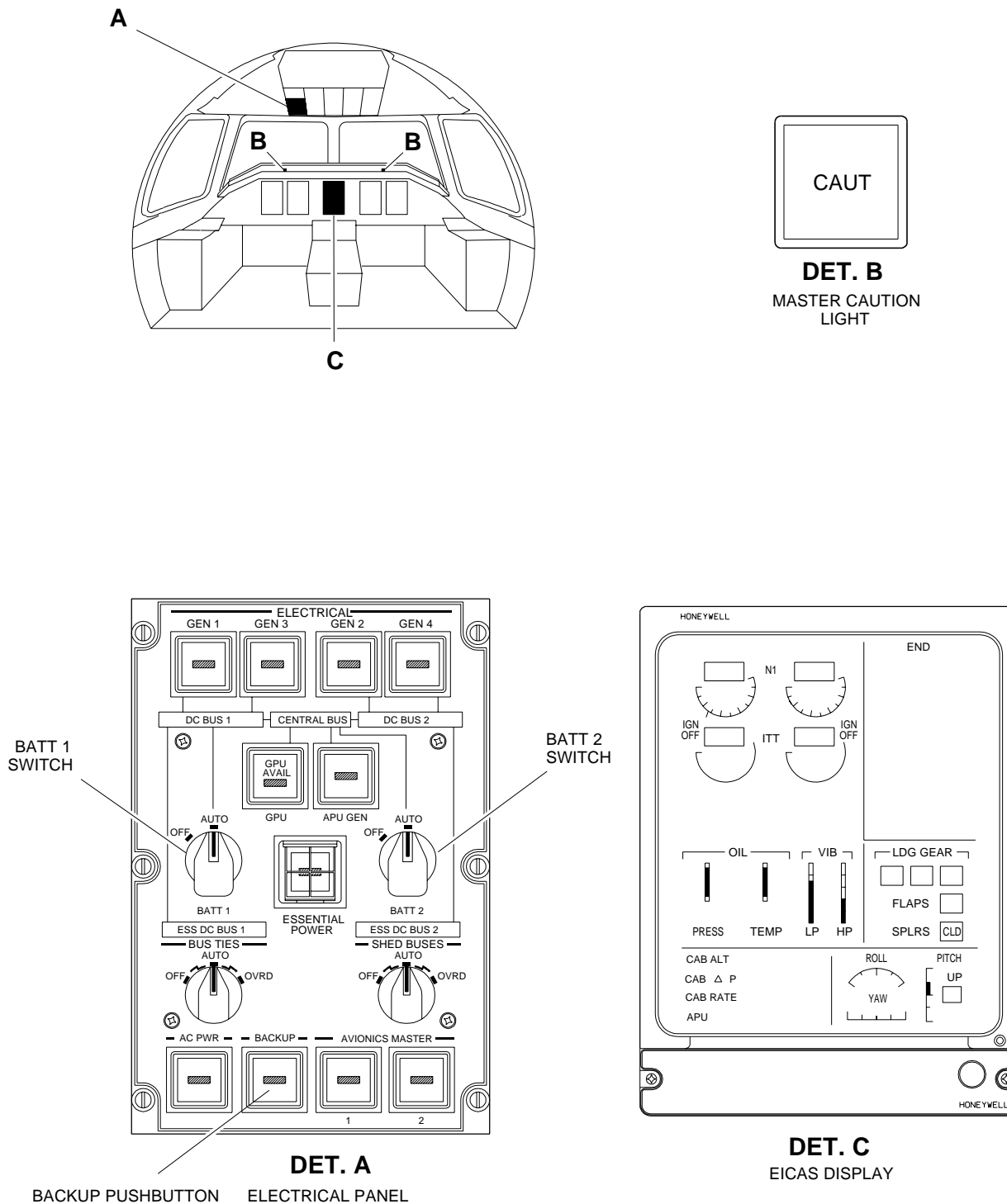
*SUBTASK 842-002-A*

- (1) Deenergize the aircraft ( [AMM TASK 20-40-01-860-801-A/200](#) ).

EFFECTIVITY: FOR AIRCRAFT WITH AC STATIC INVERTER INSTALLED

Back-up Battery System - Operational Test

Figure 501

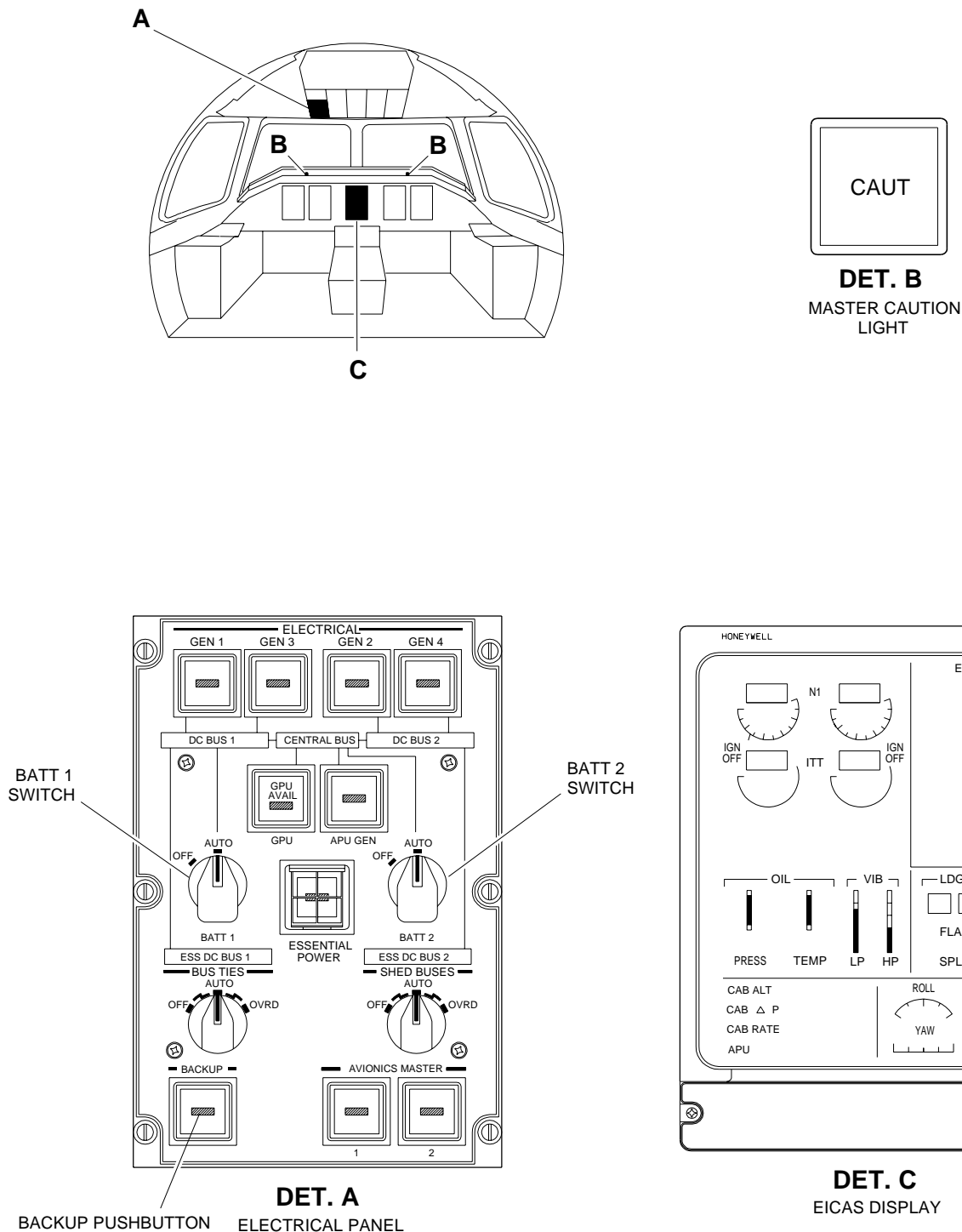


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EFFECTIVITY: FOR AIRCRAFT WITH AC STATIC INVERTER NOT INSTALLED

Back-up Battery System - Operational Test

Figure 502



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