



AIRCRAFT
MAINTENANCE MANUAL

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



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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
AMM TASK 20-40-01-860-801-A/200	ENERGIZATION OF THE AIRCRAFT WITH AN EXTERNAL POWER SOURCE
AMM TASK 24-35-01-400-801-A/400	BACKUP BATTERY - INSTALLATION
AMM TASK 24-35-01-700-801-A/500	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

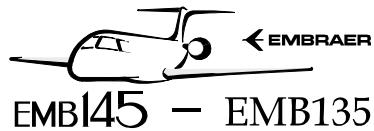
SUBTASK 841-002-A

- (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:



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- (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

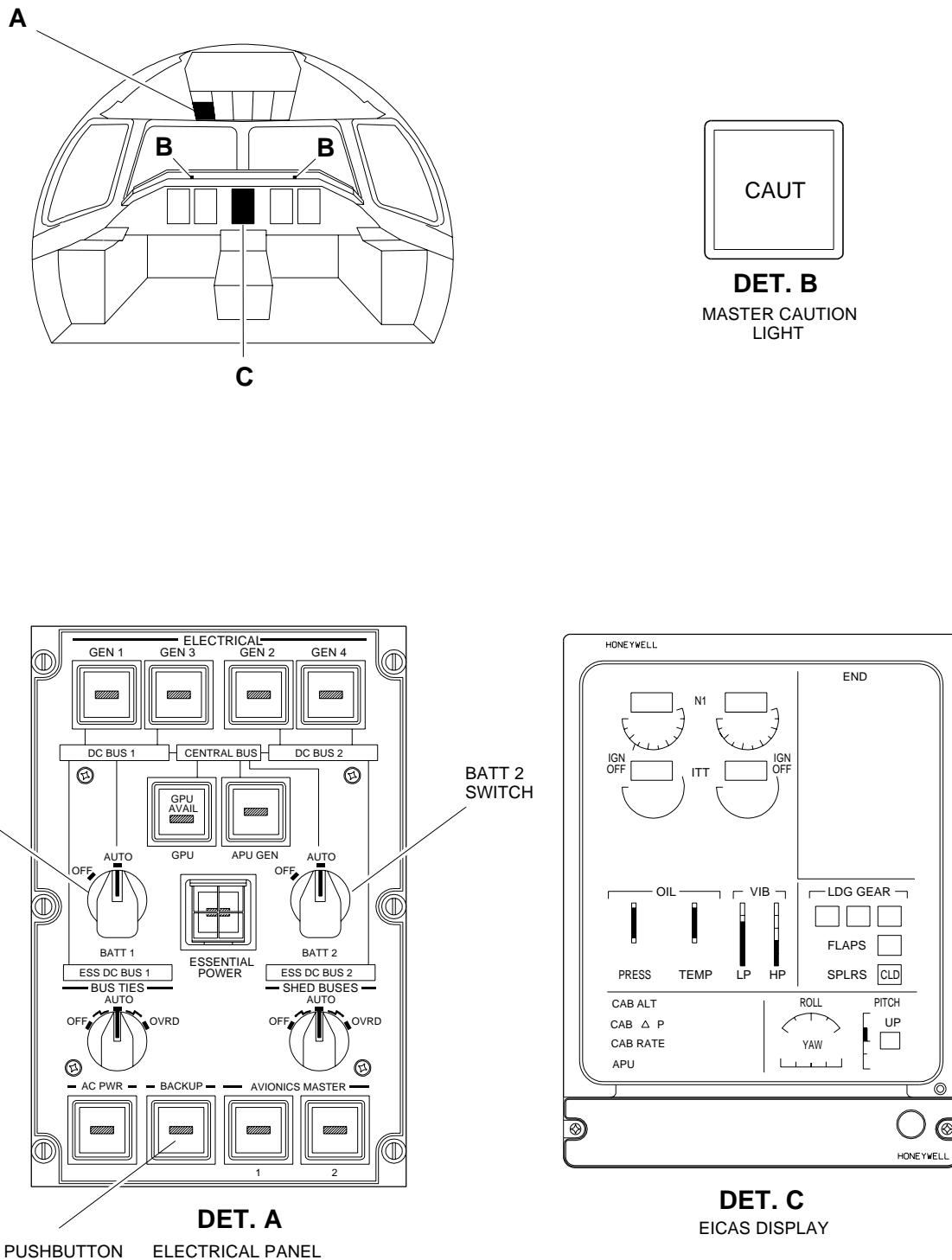
SUBTASK 842-002-A

- (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



EM145AMM240018B.DGN

EFFECTIVITY: FOR AIRCRAFT WITH AC STATIC INVERTER NOT INSTALLED
 Back-up Battery System - Operational Test
 Figure 502

