

## AC GENERATION - ADJUSTMENT/TEST

*EFFECTIVITY: FOR AIRCRAFT WITH AC STATIC INVERTER INSTALLED*

### 1. General

- A. This section gives the procedures to do the operational test of the AC generation 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).

TASK NUMBER	DESCRIPTION	EFFECTIVITY
24-20-00-700-801-A	AC GENERATION SYSTEM - OPERATIONAL TEST	FOR AIRCRAFT WITH AC STATIC INVERTER INSTALLED

TASK 24-20-00-700-801-A

EFFECTIVITY: FOR AIRCRAFT WITH AC STATIC INVERTER INSTALLED

2. AC GENERATION SYSTEM - OPERATIONAL TEST

A. General

(1) The function of this test is to make sure that the AC generation 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

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) Energize the aircraft with the External DC-Power Supply ( [AMM TASK 20-40-01-860-801-A/200](#) ).

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

*SUBTASK 710-002-A*

(1) Do the test as follows:

(a) Set the AC PWR pushbutton, on the overhead panel, to OFF/RESET.

Result:

- 1 The EICAS display shows the 115 VAC BUS OFF, WINDSHEAR INOP, and GPWS INOP caution messages.
- 2 On the AC PWR pushbutton, the striped bar comes on.
- 3 The master CAUTION lights flash.

- (b) Push a master CAUTION light.

Result:

- 1 The master CAUTION lights go off.

- (c) Set the AC PWR pushbutton to ON.

Result:

- 1 On the EICAS display the, 115 VAC BUS OFF, WINDSHEAR INOP, and GPWS INOP caution messages go out of view.

- 2 On the AC PWR pushbutton, the striped bar goes off.

K. Follow-on

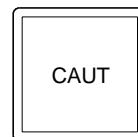
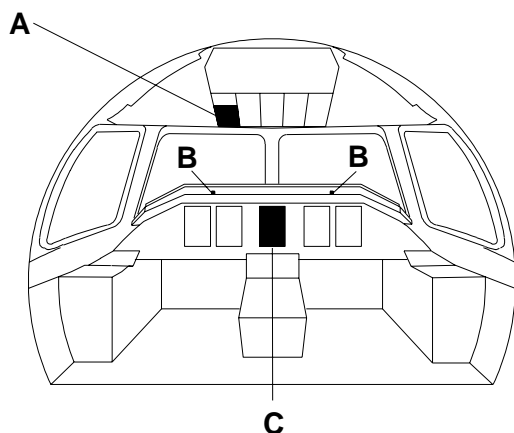
*SUBTASK 842-002-A*

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

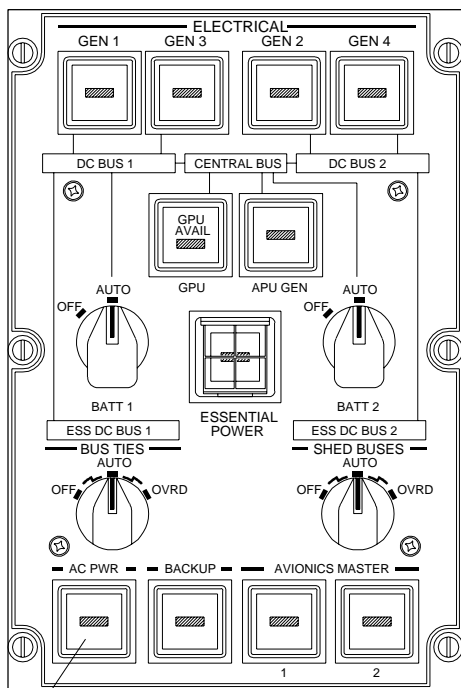
EFFECTIVITY: FOR AIRCRAFT WITH AC STATIC INVERTER INSTALLED

AC Generation System Operational Test

Figure 501

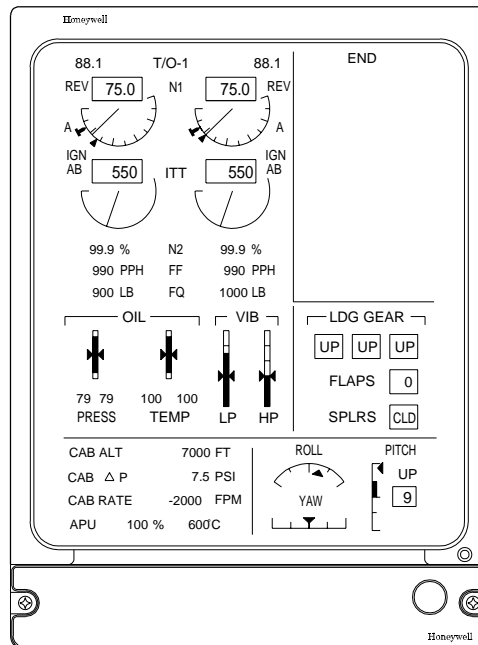


**DET. B**  
MASTER CAUTION  
LIGHT



**DET. A**  
ELECTRICAL PANEL

AC PWR  
PUSHBUTTON



**DET. C**  
EICAS DISPLAY

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