



EMB145 - EMB135

AIRCRAFT
MAINTENANCE MANUAL

DC/DC CONVERSION SYSTEM - ADJUSTMENT/TEST

EFFECTIVITY: FOR AIRCRAFT WITH DC/DC POWER CONVERSION SYSTEM

1. General

- A. This section gives the procedures to do the test of the DC/DC Power Conversion 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
24-37-00-700-801-A	DC/DC POWER CONVERSION SYSTEM - FUNCTIONAL TEST	FOR AIRCRAFT WITH DC/DC POWER CON- VERSION SYSTEM



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TASK 24-37-00-700-801-A

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2. DC/DC POWER CONVERSION SYSTEM - FUNCTIONAL TEST

A. General

- (1) This task gives the procedures to do the test of the DC/DC Power Conversion system.
- (2) The Cockpit 12 V DC Electrical Outlet is installed in the RH lateral console, in zone 224.

B. References

REFERENCE	DESIGNATION
AMM TASK 20-40-01-860-801-A/200	ENERGIZATION OF THE AIRCRAFT WITH AN EXTERNAL POWER SOURCE

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
224		Cockpit RH

D. Tools and Equipment

ITEM	DESCRIPTION	PURPOSE	QTY
GSE 050	Multimeter Digital	To measure voltage	

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	On the cockpit RH side

I. Preparation

SUBTASK 841-003-A

- (1) Energize the aircraft with the External DC-Power Supply ([AMM TASK 20-40-01-860-801-A/200](#)).
- (2) On the circuit breaker panel, make sure that the Mobile Phone Charger circuit breaker is closed.



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

SUBTASK 820-003-A

- (1) Do the DC/DC Power Conversion system test as follows:
 - (a) On the Cockpit 12 V DC Electrical Outlet (4), open the cap (8).
 - (b) Set the multimeter (1) to the DC Voltmeter function (2).
 - (c) Put the test lead (3) at the outlet positive pole (5).
 - (d) Put the test lead (7) at the outlet negative pole (6).
 - (e) Make sure that the display of the multimeter (1) shows 12 V DC \pm 1 V DC.

K. Follow-on

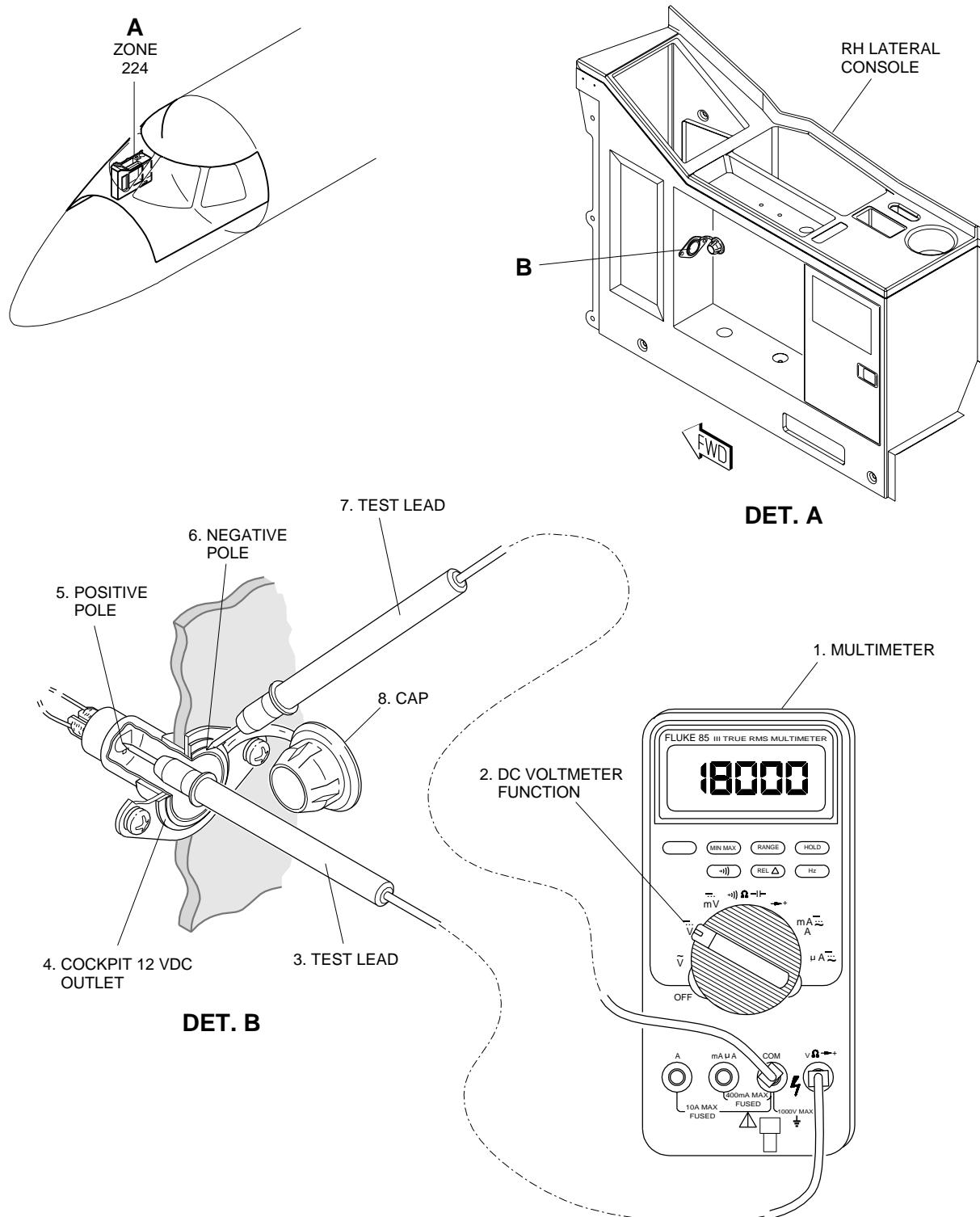
SUBTASK 842-003-A

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

EFFECTIVITY: FOR AIRCRAFT WITH DC/DC POWER CONVERSION SYSTEM

DC/DC Power Conversion System - Test

Figure 501



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