



AIRCRAFT MAINTENANCE MANUAL

PASSENGER CABIN LIGHTS - ADJUSTMENT/TEST

EFFECTIVITY: ALL

1. General

- A. This section gives the procedures to do the test of the Passenger Cabin Lights.
- 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
33-21-00-700-801-A	PASSENGER CABIN LIGHTS - OPERATIONAL TEST	ALL



EMB145 – EMB135

AIRCRAFT
MAINTENANCE MANUAL

TASK 33-21-00-700-801-A

EFFECTIVITY: ALL

2. PASSENGER CABIN LIGHTS - OPERATIONAL TEST

A. General

- (1) This task gives the procedures to do the Operational Test of the Passenger Cabin Lights.

B. References

REFERENCE	DESIGNATION
AMM SDS 33-21-00/1	
AMM TASK 20-40-01-860-801-A/200	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	Passenger cabin

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).

- (2) Make sure that the Circuit Breakers below are closed:

- CABIN LIGHTS 2 and 3 (AMM SDS 33-21-00/1), on the RH Electrical-Power Control/Distribution box.
- CABIN LIGHT 1 (AMM SDS 33-21-00/1), on the LH Electrical-Power Control/Distribution box.

J. Operationally Test Passenger Cabin Lights (Figure 501) (Figure 502)

SUBTASK 710-002-A

- (1) Do the test of the ceiling cabin lights as follows:

NOTE: The DIM mode function will not be operational, if you have applied PART I of S.B.145-33-0040.

- (a) Set the cabin ceiling lights switch, on the forward attendant control panel, to the ON position.

Result:

- 1 The ceiling lights, along the passenger cabin, come on.

- (b) Set the cabin ceiling lights switch, on the forward attendant control panel, to the DIM position.

Result:

- 1 The ceiling lights, along the passenger cabin, are set to decreased brightness.

- (c) Set the cabin ceiling lights switch, on the forward attendant control panel, to the BRT position.

Result:

- 1 The ceiling lights, along the passenger cabin, are set to full brightness.

- (d) (ON AIRCRAFT WITH BALLAST PN BR9000-2 AND BR9000-4) Toggle the BRT/DIM switch six times to reset the ballast.

Result:

- 1 The ceiling lights, along the passenger cabin, go off after the sixth time that they change to BRT mode.

- (e) (ON AIRCRAFT WITH BALLAST PN BR9000-22 AND BR9000-30) Toggle the BRT/DIM switch twelve times to reset the ballast.

Result:

- 1 The ceiling lights, along the passenger cabin, go off after the twelfth time that they change to BRT mode.

- (f) Push the ON/OFF switch two times.

Result:

- 1 The ceiling lights, along the passenger cabin, come on.

- (g) Set the cabin ceiling lights switch, on the forward attendant control panel, to the OFF position.

Result:

- 1 The ceiling lights, along the passenger cabin, go off.

- (2) Do the test of the left and right cabin sidewall lights as follows:

NOTE: The DIM mode function will not be operational, if you have applied PART I of S.B.145-33-0040.

- (a) Set the cabin sidewall lights switch, on the forward attendant control panel, to the ON position.

Result:

- 1 The left and right sidewall lights, along the passenger cabin, come on.

- (b) Set the left and right cabin sidewall lights switch, on the forward attendant control panel, to the DIM position.

Result:

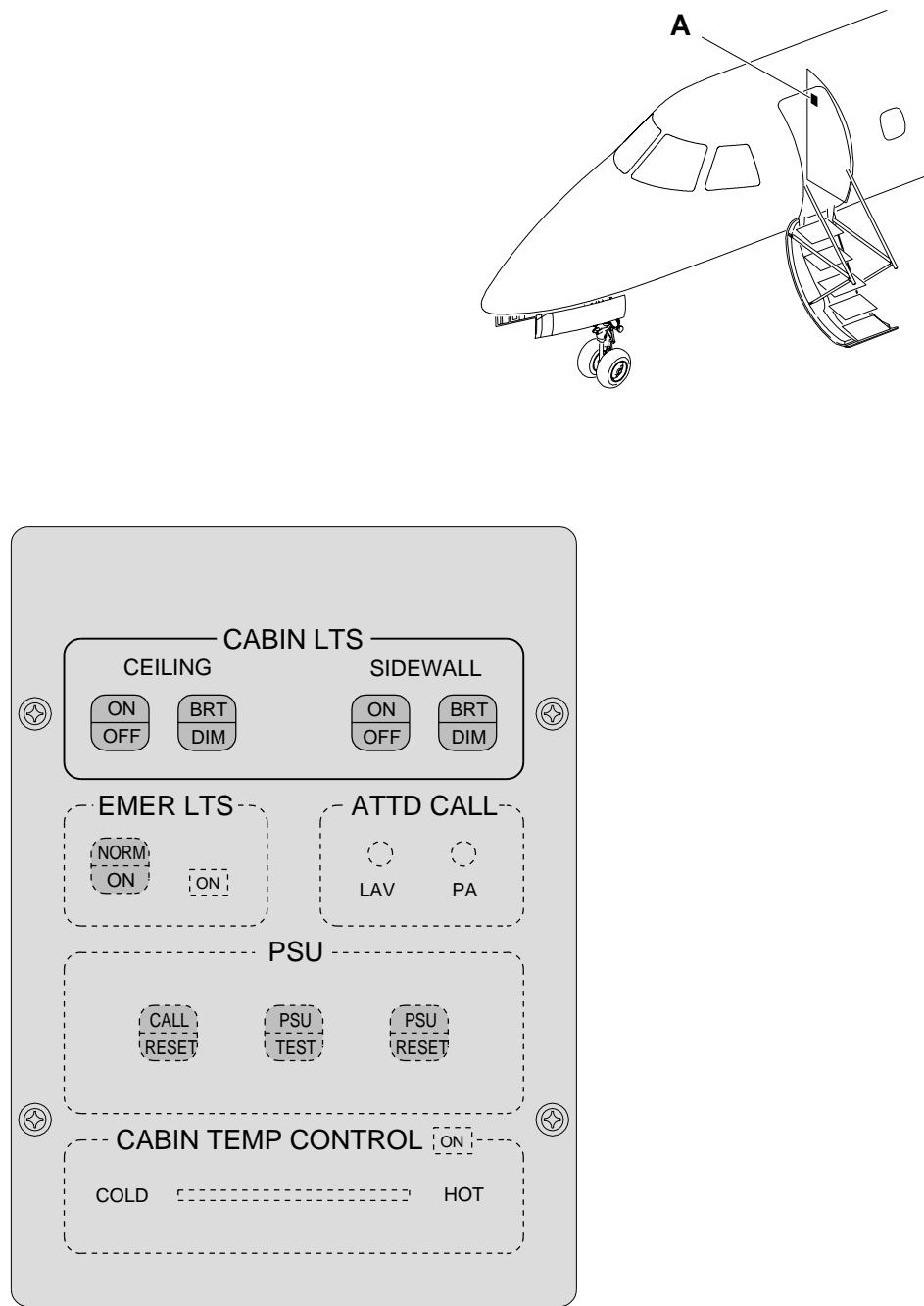
- 1 The left and right sidewall lights, along the passenger cabin, are set to decreased brightness.
 - (c) Set the left and right cabin sidewall lights switch, on the forward attendant control panel, to the BRT position.
- Result:
- 1 The left and right sidewall lights, along the passenger cabin, are set to full brightness.
- (d) (ON AIRCRAFT WITH BALLAST PN BR9000-2 AND BR9000-4) Toggle the BRT/DIM switch six times to reset the ballast.
- Result:
- 1 The left and right sidewall lights, along the passenger cabin, go off after the sixth time that they change to BRT mode.
- (e) (ON AIRCRAFT WITH BALLAST PN BR9000-22 AND BR9000-30) Toggle the BRT/DIM switch twelve times to reset the ballast.
- Result:
- 1 The left and right sidewall lights, along the passenger cabin, go off after the twelfth time that they change to BRT mode.
- (f) Push the ON/OFF switch two times.
- Result:
- 1 The left and right sidewall lights, along the passenger cabin, come on.
- (g) Set the left and right cabin sidewall lights switch, on the forward attendant control panel, to the OFF position.
- Result:
- 1 The left and right sidewall lights, along the passenger cabin, go off.

K. Follow-on

SUBTASK 842-002-A

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

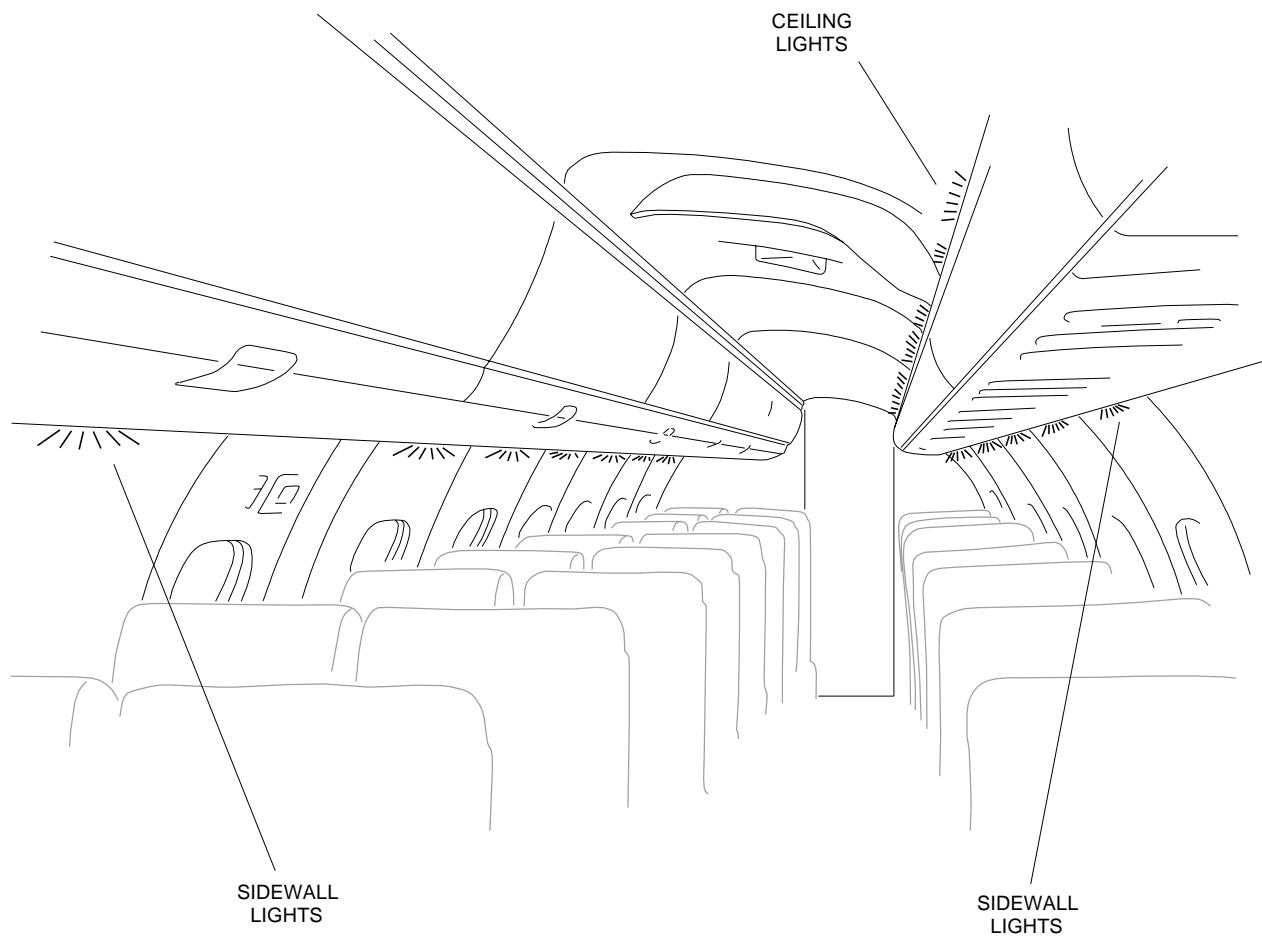
EFFECTIVITY: ALL
 Forward Attendant Control Panel
 Figure 501



DET. A

145AMM330070.MCE A

EFFECTIVITY: ALL
Passenger Cabin Lights
Figure 502



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