

## EMERGENCY LIGHTING - ADJUSTMENT/TEST

*EFFECTIVITY: ALL*

1. General

- A. This section gives the procedures to do the check of the Emergency Lighting 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
33-50-00-700-801-A ◆	EMERGENCY LIGHTS - OPERATIONAL CHECK	ALL

TASK 33-50-00-700-801-A

EFFECTIVITY: ALL

## 2. EMERGENCY LIGHTS - OPERATIONAL CHECK

### A. General

(1) This task gives the procedures to do the Operational Check of the Emergency Lights.

### 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
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 BATT 1 and BATT 2 switches are set to AUTO.
- (3) Make sure that the EMERG circuit breaker, on the circuit breaker panel, is closed. (Location Tip: ESSENTIAL DC BUS 2/LIGHTS/EMERG).

### J. Operationally Check Emergency Lighting System ([Figure 501](#)) ([Figure 502](#)) ([Figure 503](#))

#### SUBTASK 710-002-A

- (1) Do the check of the emergency lights as follows:
  - (a) Set the EMERG LT switch, on the overhead panel, to OFF.

Result:

- 1 On the EICAS display, the EMERG LT NOT ARMD caution message comes into view and flashes.
- 2 The master caution lighted pushbutton, on the pilot's and copilot's sides, comes on and a bell discrete tone will be heard.

- (b) Push one master caution lighted pushbutton.

Result:

- 1 On the EICAS display, the EMERG LT NOT ARMD caution message stops flashing.

- (c) Set the EMERG LT switch, on the overhead panel, to ARM.

Result:

- 1 On the EICAS display, the EMERG LT NOT ARMD caution message goes out of view.

- (d) Set the GPU pushbutton to OFF.

Result:

- 1 On the EICAS display, SHED BUS 1-2 OFF caution message comes into view and flashes.
- 2 The master caution lighted pushbutton, on the pilot's and copilot's sides, comes on and a bell discrete tone will be heard.

- (e) Push one master caution lighted pushbutton.

Result:

- 1 On the EICAS display, SHED BUS 1-2 OFF caution message stops flashing.

- (f) Set the ESS POWER pushbutton to ON.

Result:

- 1 The EXIT locator signs, in the passenger cabin, come on.
- 2 The EXIT marker signs, in the passenger cabin, come on.
- 3 The EXIT identifier signs, in the passenger cabin, come on.
- 4 The aisle lights, in the passenger cabin, come on.
- 5 (ON AIRCRAFT WITH ELECTROLUMINESCENT FLOOR-PROXIMITY STRIP LIGHT) The floor proximity lights, in the passenger cabin, come on.
- 6 The external emergency lights come on.
- 7 The main door light comes on.
- 8 The cockpit light comes on.
- 9 The EICAS display shows DC BUS 1-2 OFF caution messages.
- 10 The PFDs and MFDs go off.
- 11 On the EICAS display, SHED BUS 1-2 OFF caution messages stays in view.
- 12 The master caution lighted pushbutton, on the pilot's side, comes on and a bell discrete tone will be heard.

- (g) Push the master caution lighted pushbutton.

Result:

- 1 On the EICAS display, the caution messages stop flashing.
- (h) Set the ESS POWER pushbutton to AUTO.
- (i) Set BATT 1 and BATT 2 switches to OFF.
- (j) Set the GPU pushbutton to ON.
- (k) Set the EMERG LT switch, on the overhead panel, to OFF.

Result:

- 1 The PFDs and MFDs come on.
  - 2 On the EICAS display, DC BUS 1-2 OFF caution message goes out of view.
  - 3 On the EICAS display, SHED BUS 1-2 OFF caution message goes out of view.
  - 4 On the EICAS display, the EMERG LT NOT ARMD caution message comes into view and flashes.
  - 5 The master caution lighted pushbutton, on the pilot's and copilot's sides, comes on and a bell discrete tone will be heard.
  - 6 The emergency lighting system lights and signs go off.
- (l) Push one master caution lighted pushbutton.

Result:

- 1 On the EICAS display, the caution messages stop flashing.
- (m) Set the NORM/ON switch of the EMER LTS section, on the attendant control panel, to ON.

Result:

- 1 The legend ON of the EMER LTS section, on the attendant control panel, comes on.
  - 2 The emergency lighting system lights and signs come on.
  - 3 On the EICAS display, the EMERG LT NOT ARMD caution message stays in view.
- (n) Set the NORM/ON switch of the EMER LTS section, on the attendant control panel, to NORM.

Result:

- 1 The legend ON at the EMER LTS section, on the attendant control panel, goes off.
  - 2 The emergency lighting system lights and signs go off.
  - 3 On the EICAS display, the EMERG LT NOT ARMD caution message stays in view.
- (o) Set the EMER LT switch, on the overhead panel, to ARM position.

Result:

- 1 On the EICAS display, the EMERG LT NOT ARMD caution message goes out of view.
- (p) Set the NORM/ON switch of the EMER LTS section, on the attendant control panel, to ON.

Result:

- 1 The legend ON of the EMER LTS section, on the attendant control panel, comes on.
- 2 The emergency lighting system lights and signs come on.
- 3 On the EICAS display, the EMERG LT NOT ARMD caution message comes into view and flashes.
- 4 The master caution lighted pushbutton, on the pilot's and copilot's sides, comes on and a bell discrete tone will be heard.

- (q) Push one master caution lighted pushbutton.

Result:

- 1 On the EICAS display, the caution messages stop flashing.

- (r) Set the NORM/ON switch of the EMER LTS section, on the attendant control panel, to NORM.

Result:

- 1 The legend ON at the EMER LTS section, on the attendant control panel, goes off.
- 2 The emergency lighting system lights and signs go off.
- 3 On the EICAS display, the EMERG LT NOT ARMD caution message goes out of view.

- (s) Set the EMER LT switch, on the overhead panel, to ON.

Result:

- 1 On the EICAS display, the EMERG LT NOT ARMD caution message comes into view and flashes.
- 2 The emergency lighting system lights and signs come on.
- 3 The master caution lighted pushbutton, on the pilot's and copilot's sides, comes on and a bell discrete tone will be heard.

- (t) Push one master caution lighted pushbutton.

Result:

- 1 On the EICAS display, the caution messages stop flashing.

- (u) Set the EMER LT switch, on the overhead panel, to ARM.

Result:

- 1 On the EICAS display, the EMERG LT NOT ARMD caution message goes out of view.
- 2 The emergency lighting system lights and signs go off.

- (v) Set the EMER LT switch, on the overhead panel, to OFF.

Result:

- 1 On the EICAS display, the EMERG LT NOT ARMD caution message comes into view and flashes.
- 2 The master caution lighted pushbutton, on the pilot's and copilot's sides, comes on and a bell discrete tone will be heard.

- (w) Push one master caution lighted pushbutton.

Result:

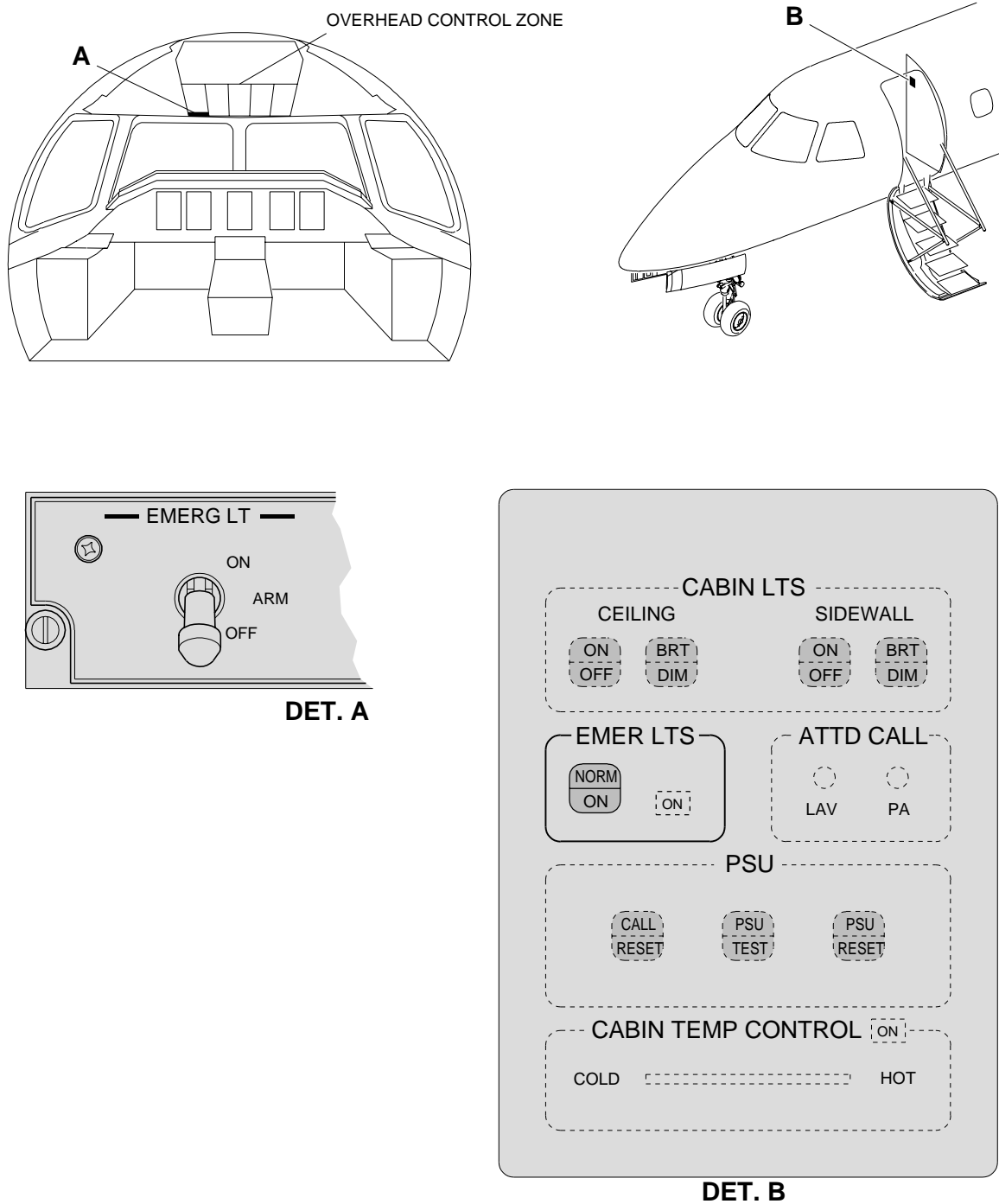
- 1 On the EICAS display, the caution messages stop flashing.

K. Follow-on

*SUBTASK 842-002-A*

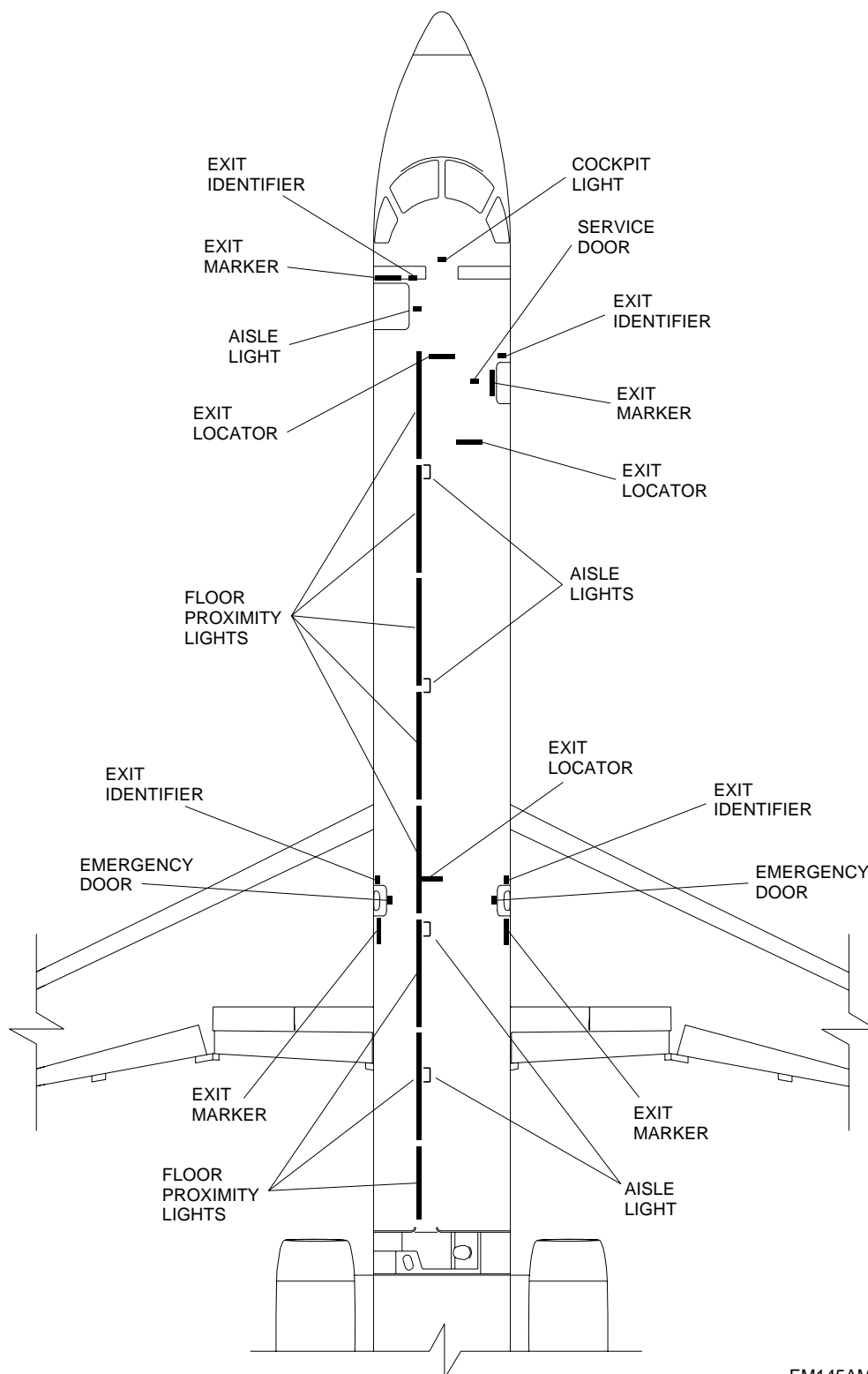
- (1) Make sure that the EMER LT switch, on the overhead panel, is set to OFF.
- (2) De-energize the aircraft ( [AMM TASK 20-40-01-860-801-A/200](#)).

**EFFECTIVITY: ALL**  
 Emergency Light Switches  
 Figure 501



145AMM330067.MCE A

**EFFECTIVITY: ALL**  
 Emergency Lighting Area  
 Figure 502



EM145AMM330068C.DGN



Figure 503

