



EMB145 - EMB135

AIRCRAFT
MAINTENANCE MANUAL

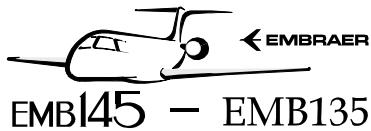
EMERGENCY LIGHTING - ADJUSTMENT/TEST

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).

<i>TASK NUMBER</i>	<i>DESCRIPTION</i>	<i>EFFECTIVITY</i>
33-50-00-700-801-A ♦	EMERGENCY LIGHTS - OPERATIONAL CHECK	ALL



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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
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	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:

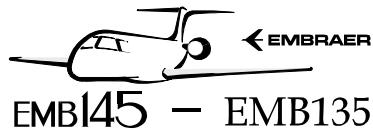
- 1 On the EICAS display, the EMERG LT NOT ARMD caution message goes out of view.
- 2 The emergency lighting system lights and signs go off.

(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.



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Result:

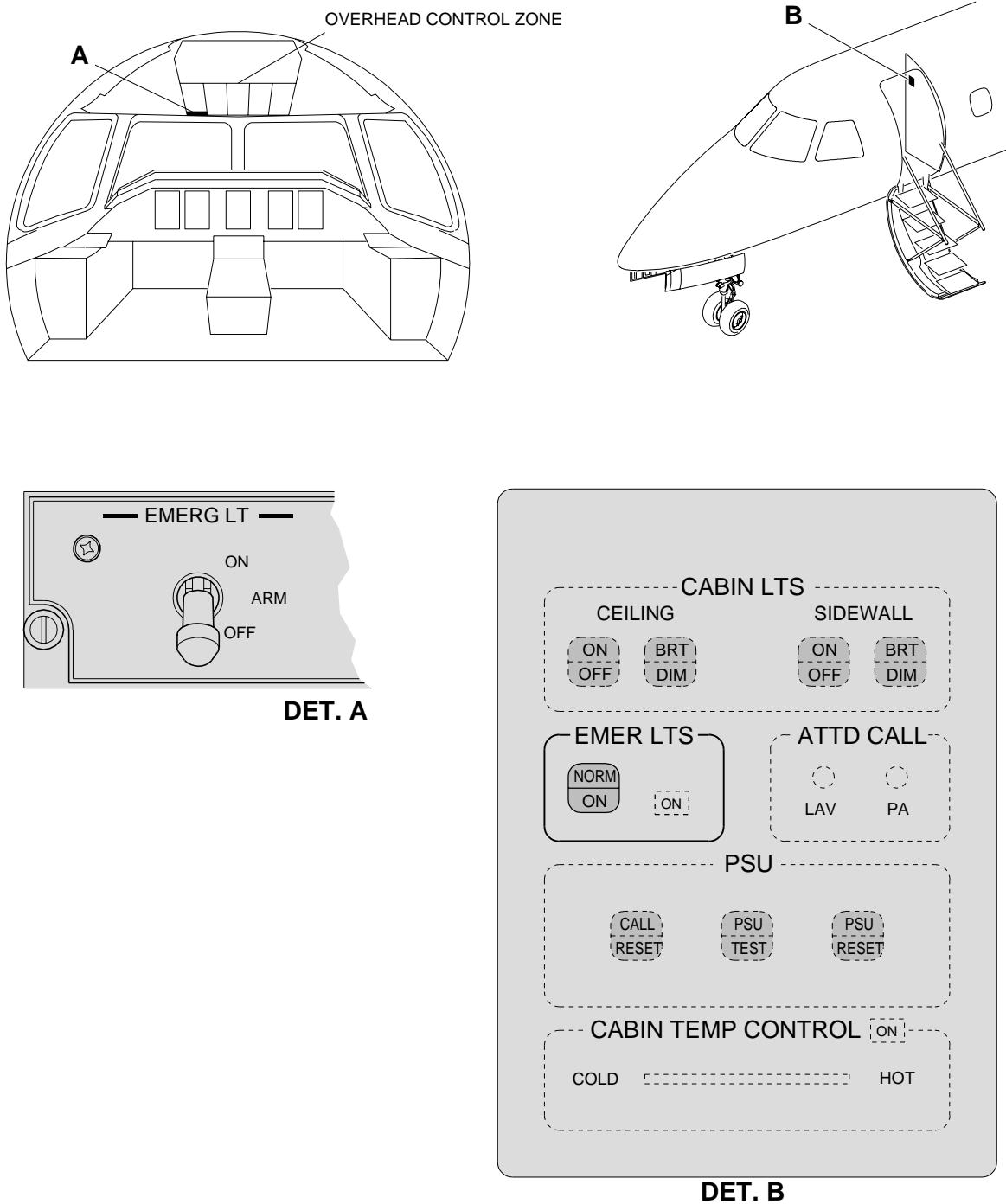
- 1 On the EICAS display, the caution messages stop flashing.

K. Follow-on

SUBTASK 842-002-A

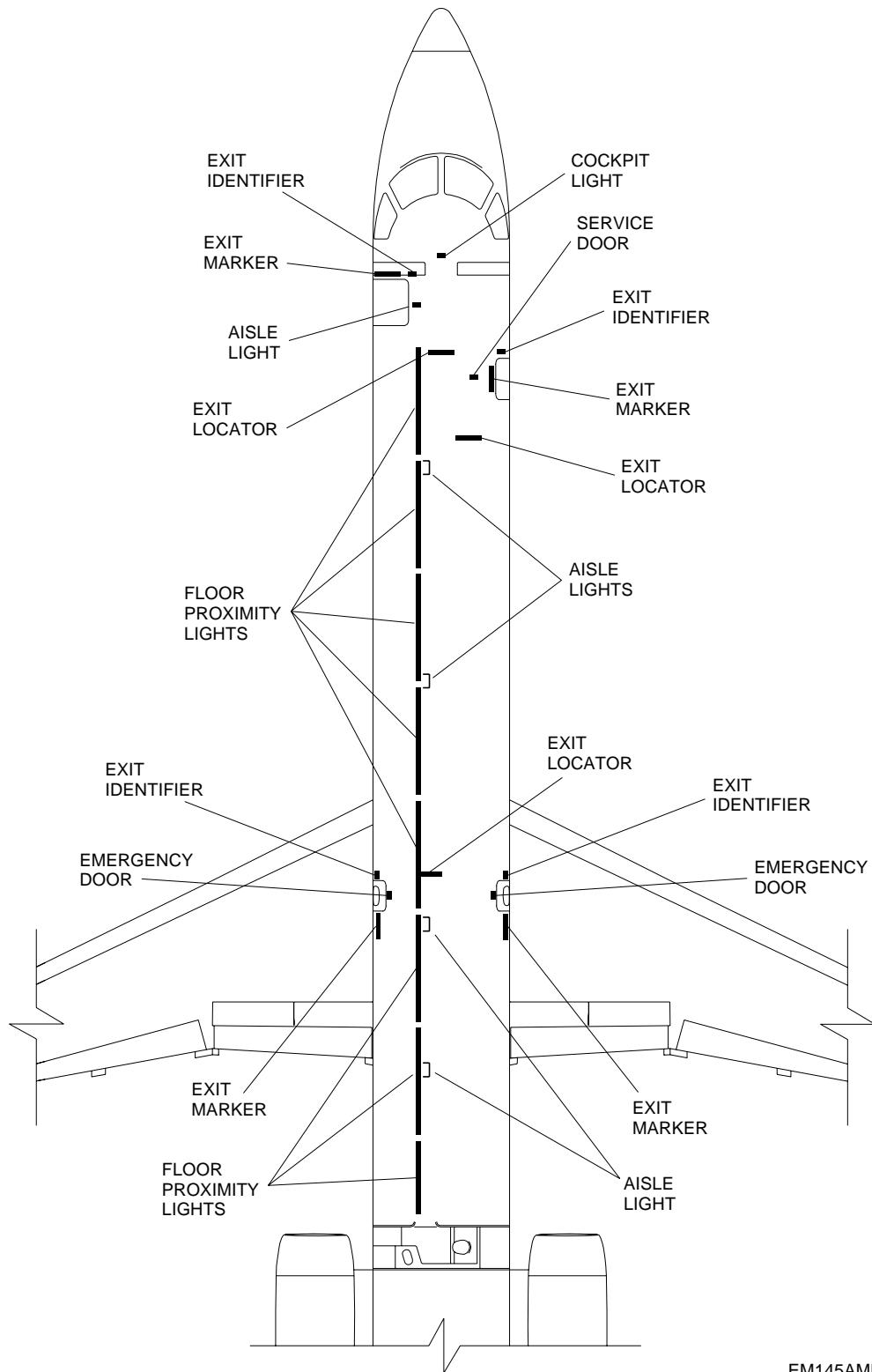
- (1) Make sure that the EMER LT switch, on the overhead panel, is set to OFF.
- (2) De-energize the aircraft ([AMM TASK 20-40-01-860-801-A/200](#)).

EFFECTIVITY: ALL
 Emergency Light Switches
 Figure 501



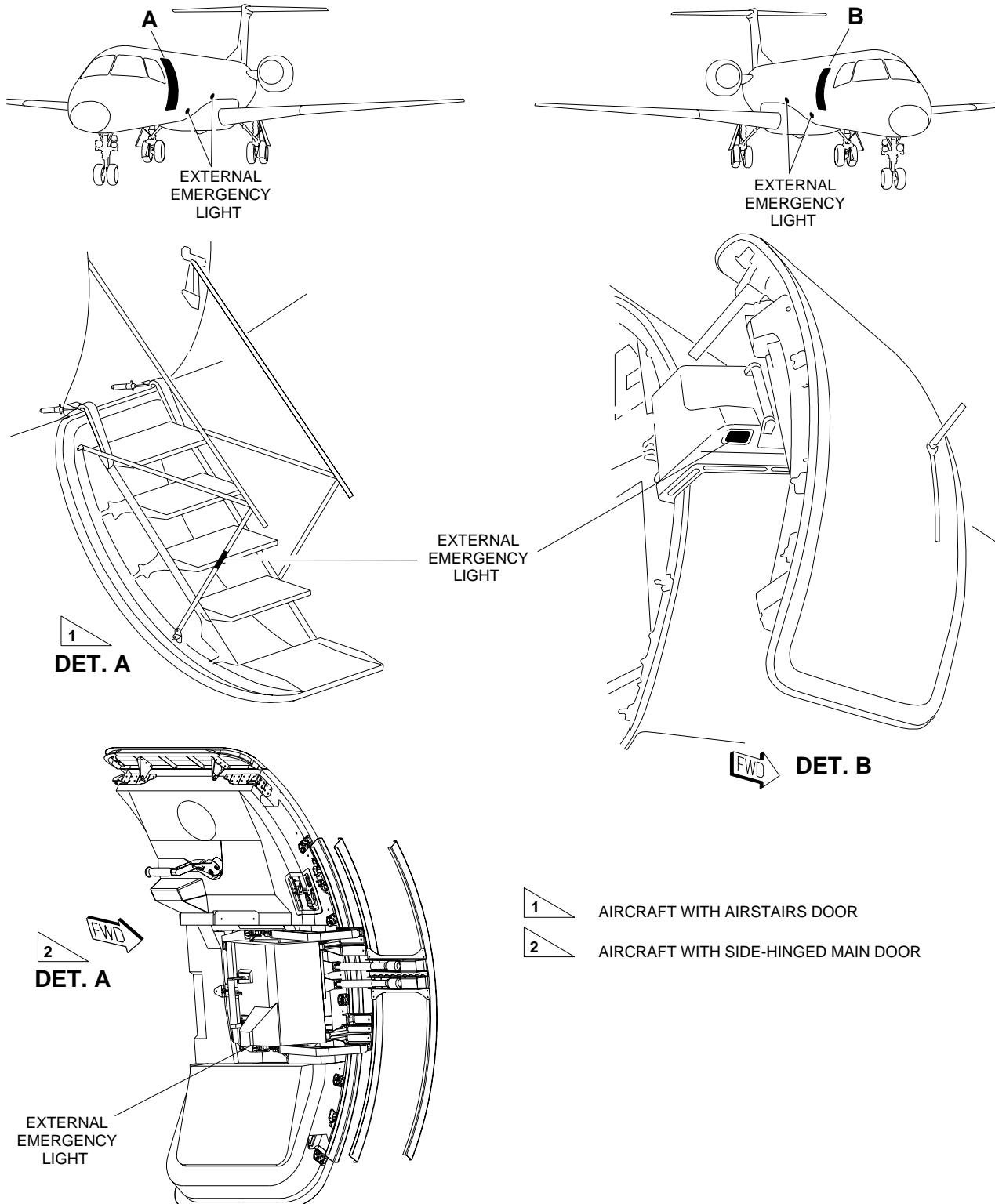
145AMM330067.MCE A

EFFECTIVITY: ALL
Emergency Lighting Area
Figure 502



EM145AMM330068C.DGN

EFFECTIVITY: ALL
External Emergency Lights
Figure 503



145AMM330069.MCE B

