



EMB145 - EMB135

AIRCRAFT
MAINTENANCE MANUAL

OVERWING EMERGENCY LIGHT - REMOVAL/INSTALLATION

EFFECTIVITY: ALL

1. General

- A. This section gives the procedures to remove and install the overwing emergency-light lamp and the overwing emergency-light assembly.
- B. There are two overwing emergency lights installed on the aircraft. They are installed on the PSU panel, over the passenger-cabin escape hatches (overwing emergency door). The removal/installation procedures of this section are the same for the two lights.
- C. The overwing emergency light illuminates the overwing exit areas in an emergency condition.
- D. 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
33-50-07-000-801-A	OVERWING EMERGENCY-LIGHT LAMP - ALL REMOVAL	
33-50-07-400-801-A	OVERWING EMERGENCY-LIGHT LAMP - ALL INSTALLATION	
33-50-07-000-802-A	OVERWING EMERGENCY-LIGHT ASSEM- ALL BLY - REMOVAL	
33-50-07-400-802-A	OVERWING EMERGENCY-LIGHT ASSEM- ALL BLY - INSTALLATION	



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TASK 33-50-07-000-801-A

EFFECTIVITY: ALL

2. OVERWING EMERGENCY-LIGHT LAMP - REMOVAL

A. General

- (1) This task gives the procedures to remove the overwing emergency-light lamp.

B. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
251		Passenger Cabin (PSU panel)
252		Passenger Cabin (PSU panel)

C. Tools and Equipment

Not Applicable

D. Auxiliary Items

Not Applicable

E. Consumable Materials

Not Applicable

F. Expandable Parts

Not Applicable

G. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	Passenger cabin (PSU panels)

H. Preparation

SUBTASK 841-002-A

- (1) On the circuit breaker panel, open the EMERG circuit breaker and attach a DO-NOT-CLOSE tag to it (Location Tip: ESSENTIAL DC BUS 2/LIGHTS/EMERG).

I. Removal (Figure 401)

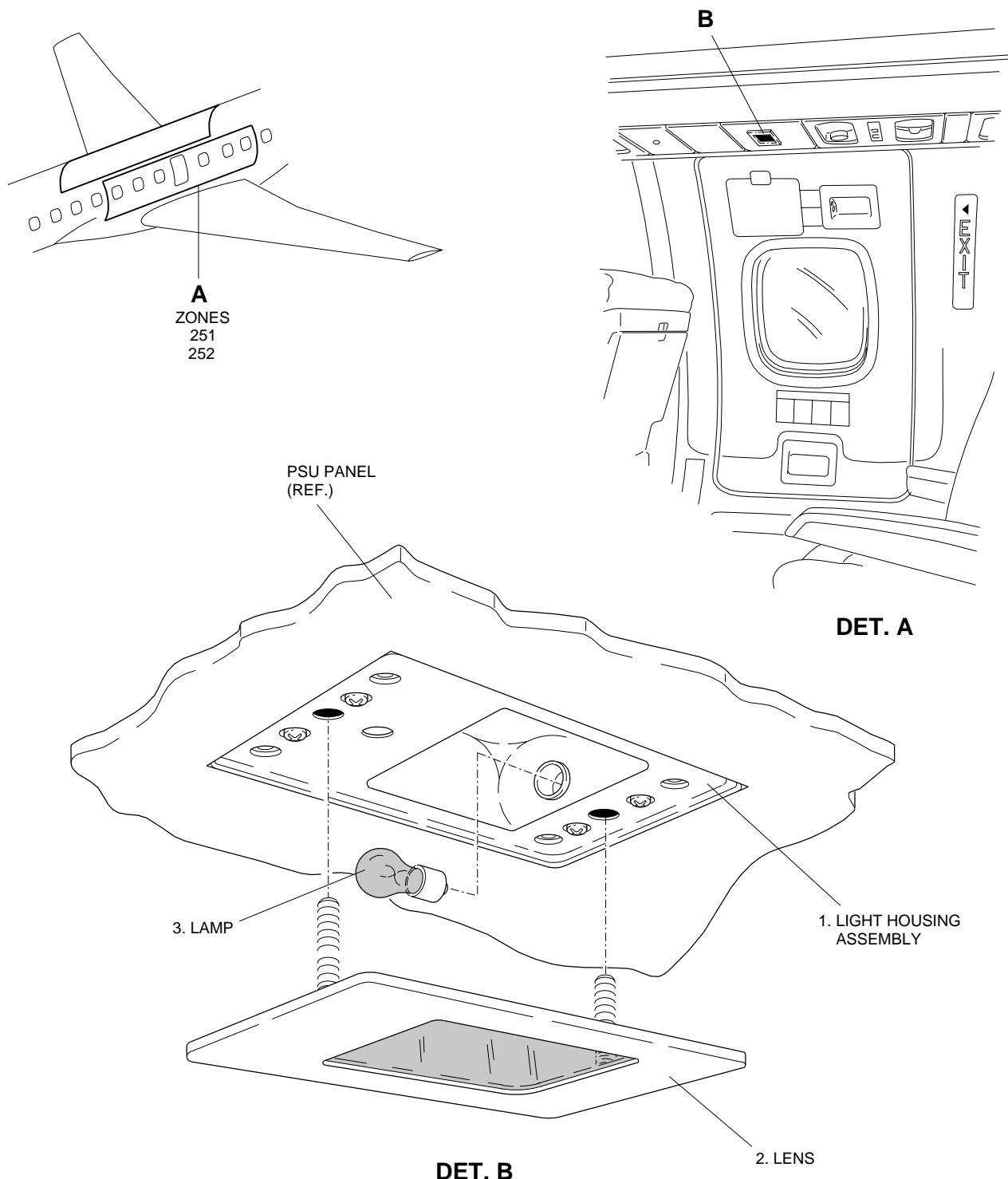
SUBTASK 020-002-A

- (1) Carefully remove the lens (2).
(2) Remove the lamp (3) from the light housing assembly (1).

EFFECTIVITY: ALL

Overwing Emergency-Light Lamp - Removal/Installation

Figure 401



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TASK 33-50-07-400-801-A

EFFECTIVITY: ALL

3. OVERWING EMERGENCY-LIGHT LAMP - INSTALLATION

A. General

- (1) This task gives the procedures to install the overwing emergency-light lamp.

B. References

REFERENCE	DESIGNATION
AMM TASK 33-50-00-700-801-A/500	EMERGENCY LIGHTS - OPERATIONAL CHECK

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
251		Passenger Cabin (PSU panel)
252		Passenger Cabin (PSU panel)

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 (PSU panels)

I. Installation (Figure 401)

SUBTASK 420-002-A

- (1) Install the lamp (3) in the light housing assembly (1).
- (2) Carefully install the lens (2).

J. Follow-on

SUBTASK 842-002-A

- (1) On the circuit breaker panel, close the EMERG circuit breaker and remove the DO-NOT-CLOSE tag from it (Location Tip: ESSENTIAL DC BUS 2/LIGHTS/EMERG).
- (2) Do the Emergency Lighting test ([AMM TASK 33-50-00-700-801-A/500](#)).

TASK 33-50-07-000-802-A
EFFECTIVITY: ALL
4. OVERWING EMERGENCY-LIGHT ASSEMBLY - REMOVAL
A. General

- (1) This task gives the procedures to remove the overwing emergency-light assembly.

B. Zones and Accesses

<i>ZONE</i>	<i>PANEL/DOOR</i>	<i>LOCATION</i>
251		Passenger Cabin (PSU panel)
252		Passenger Cabin (PSU panel)

C. Tools and Equipment

Not Applicable

D. Auxiliary Items

Not Applicable

E. Consumable Materials

Not Applicable

F. Expandable Parts

Not Applicable

G. Persons Recommended

<i>QTY</i>	<i>FUNCTION</i>	<i>PLACE</i>
1	Does the task	Passenger cabin (PSU panels)

H. Preparation
SUBTASK 841-003-A

- (1) On the circuit breaker panel, open the EMERG circuit breaker and attach a DO-NOT-CLOSE tag to it (Location Tip: ESSENTIAL DC BUS 2/LIGHTS/EMERG).

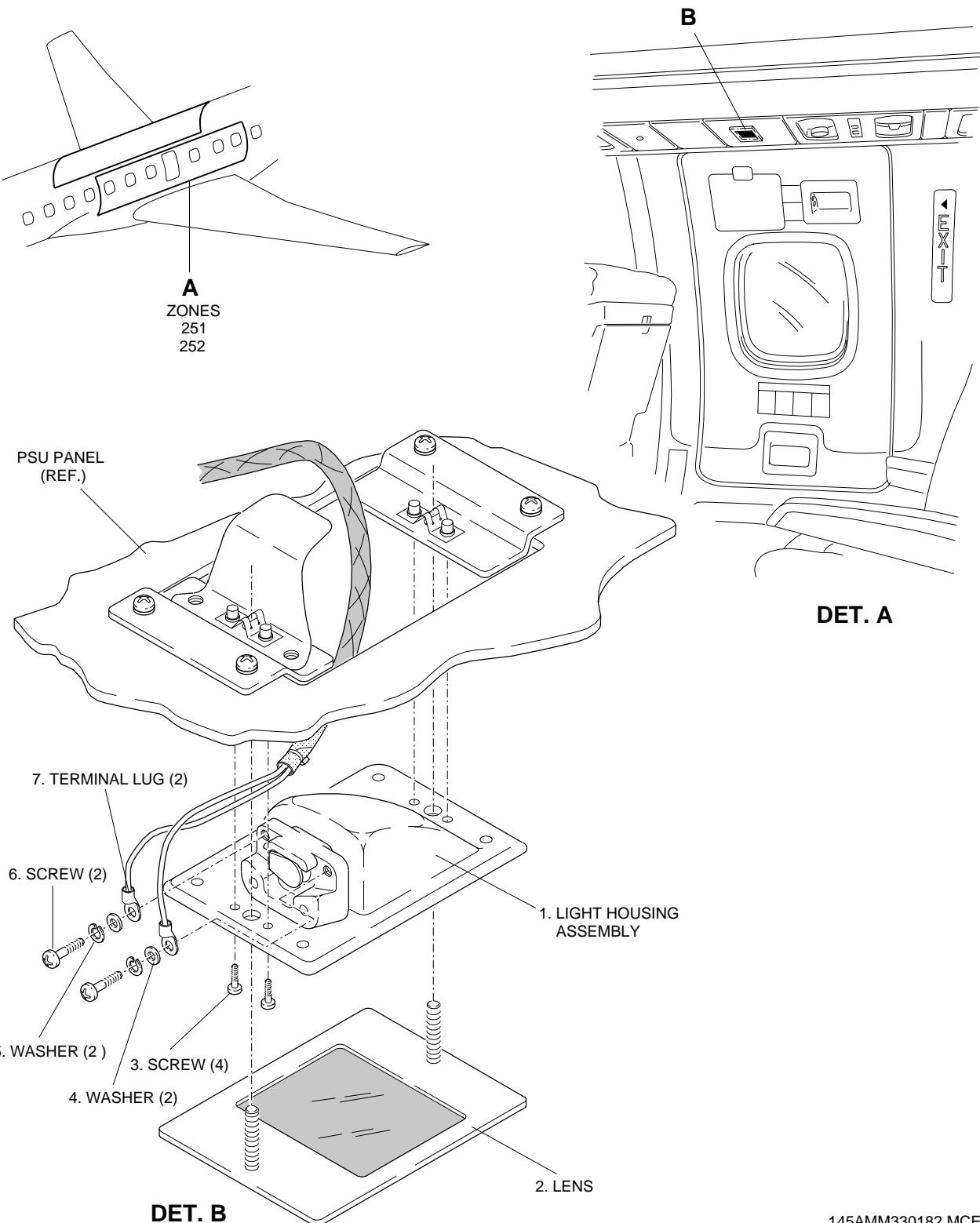
I. Removal (Figure 402)
SUBTASK 020-003-A

- (1) Carefully remove the lens (2).
- (2) Remove the screws (3).
- (3) Carefully pull the light housing assembly (1) from the headliner panel.
- (4) Remove the screws (6) and washers (5) and (4) that attach the terminal lugs (7) to the light housing assembly (1).
- (5) Remove the light housing assembly (1).

EFFECTIVITY: ALL

Overwing Emergency-Light Assembly - Removal/Installation

Figure 402



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TASK 33-50-07-400-802-A

EFFECTIVITY: ALL

5. OVERWING EMERGENCY-LIGHT ASSEMBLY - INSTALLATION

A. General

- (1) This task gives the procedures to install the overwing emergency-light assembly.

B. References

REFERENCE	DESIGNATION
AMM TASK 33-50-00-700-801-A/500	EMERGENCY LIGHTS - OPERATIONAL CHECK

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
251		Passenger Cabin (PSU panel)
252		Passenger Cabin (PSU panel)

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 (PSU panels)

I. Installation (Figure 402)

SUBTASK 420-003-A

- (1) Install the screws (6) and washers (5) and (4) to attach the terminal lugs (7) to the light housing assembly (1).
- (2) Carefully put the light housing assembly (1) in its installation position.
- (3) Install the screws (3).
- (4) Carefully install the lens (2).



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J. Follow-on

SUBTASK 842-003-A

- (1) On the circuit breaker panel, close the EMERG circuit breaker and remove the DO-NOT-CLOSE tag from it (Location Tip: ESSENTIAL DC BUS 2/LIGHTS/EMERG).
- (2) Do the Emergency Lighting test ([AMM TASK 33-50-00-700-801-A/500](#)).