



EMB145 - EMB135

AIRCRAFT  
MAINTENANCE MANUAL

READING LIGHT - REMOVAL/INSTALLATION

EFFECTIVITY: ALL

1. General

- A. This section gives the procedures to remove/install the pilot, copilot and observer reading light lamps.
- B. The pilot reading light is installed on the left side of the cockpit ceiling. The copilot and observer reading lights are installed on the right side of the cockpit ceiling.
- C. 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
33-11-03-000-801-A	READING LIGHT LAMP - REMOVAL	ALL
33-11-03-400-801-A	READING LIGHT LAMP - INSTALLATION	ALL

**TASK 33-11-03-000-801-A**

**EFFECTIVITY: ALL**

**2. READING LIGHT LAMP - REMOVAL**

**A. General**

- (1) This task gives the procedures to remove the pilot, copilot and observer reading light lamps.

**B. Zones and Accesses**

Not Applicable

**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	Cockpit ceiling

**H. Preparation**

**SUBTASK 841-002-A**

- (1) On the overhead circuit breaker panel, open the COCKPIT READING LIGHT circuit breaker and attach a DO-NOT-CLOSE tag to it.

**I. Removal**

**SUBTASK 020-002-A**

- (1) For AIRCRAFT WITHOUT HEAD-UP DISPLAY, do as follows ([Figure 401](#)):

- (a) Push the control assembly (1) and turn it counterclockwise to remove it.
- (b) Disconnect and remove the lamp (2).

- (2) For AIRCRAFT WITH HEAD-UP DISPLAY, do as follows ([Figure 402](#)):

- (a) To remove the copilot and observer reading light lamps, do as follows:

- 1 Push the control assembly (4) and turn it counterclockwise to remove it.
- 2 Disconnect and remove the lamp (3).

- (b) To remove the pilot reading light lamp, do as follows:

- 1 Turn the lens (1) clockwise to remove it.



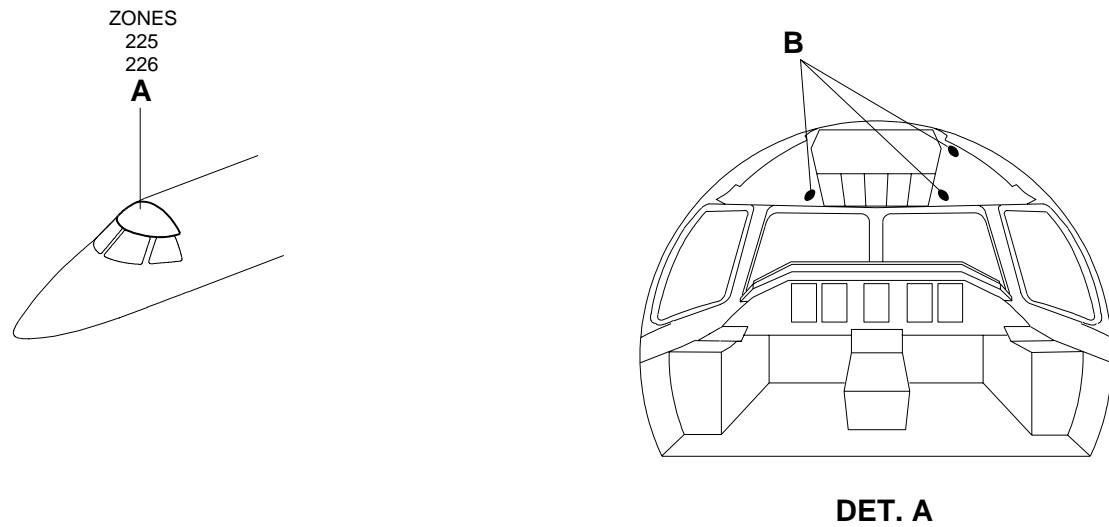
AIRCRAFT  
MAINTENANCE MANUAL

- 2 Disconnect and remove the lamp (2).

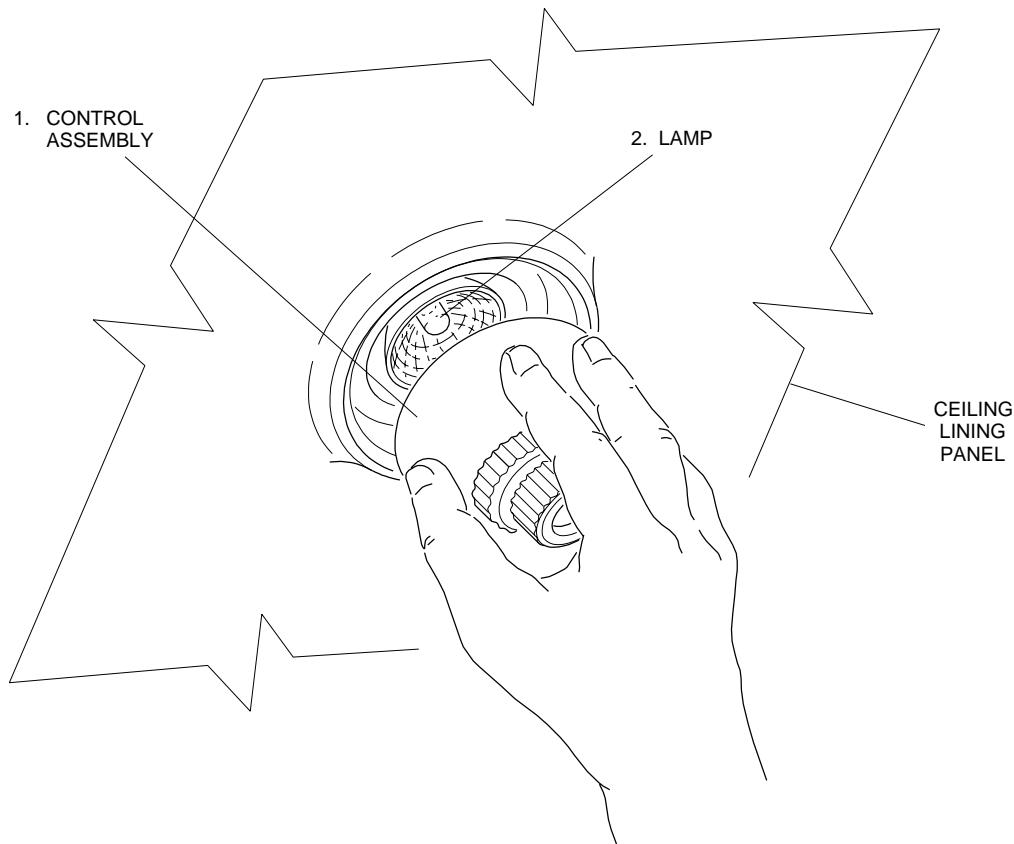
**EFFECTIVITY: AIRCRAFT WITHOUT HEAD-UP DISPLAY**

Reading Light Lamp - Removal/Installation

Figure 401



**DET. A**



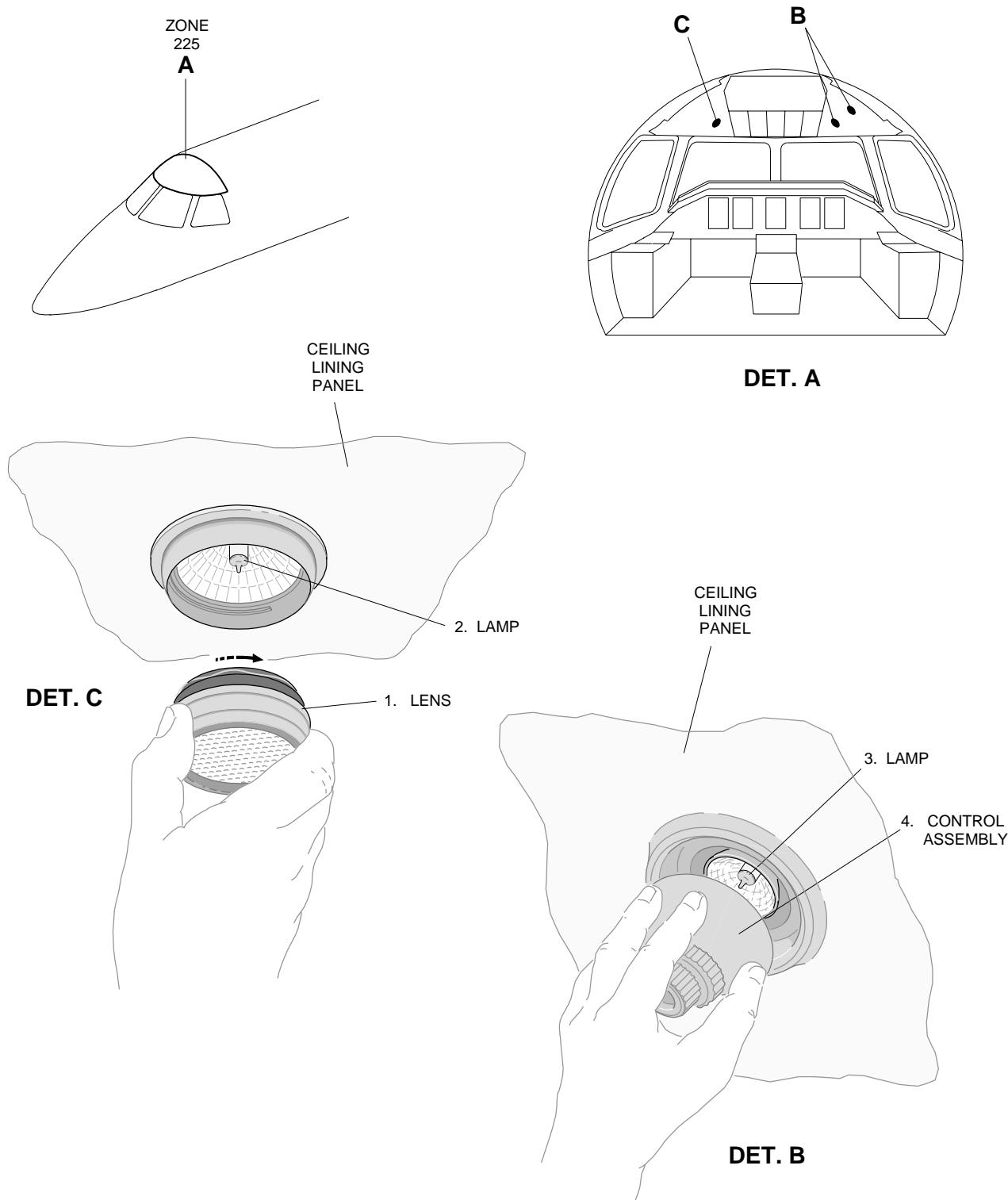
**DET. B**

145AMM330056.MCE A

**EFFECTIVITY: AIRCRAFT WITH HEAD-UP DISPLAY**

Reading Light Lamp - Removal/Installation

Figure 402



145AMM330249.MCE



EMB145 – EMB135

AIRCRAFT  
MAINTENANCE MANUAL

TASK 33-11-03-400-801-A

EFFECTIVITY: ALL

3. READING LIGHT LAMP - INSTALLATION

A. General

- (1) This task gives the procedures to install the pilot, copilot and observer reading light lamps.

B. References

REFERENCE	DESIGNATION
AMM TASK 33-11-00-700-801-A/500	COCKPIT LIGHTS - OPERATIONAL TEST

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 ceiling

I. Installation

SUBTASK 420-002-A

- (1) For AIRCRAFT WITHOUT HEAD-UP DISPLAY, do as follows (Figure 401):

- (a) Install the new lamp (2).
- (b) Put the control assembly (1) in its correct position, push it, and turn it clockwise to install it.

- (2) For AIRCRAFT WITH HEAD-UP DISPLAY, do as follows (Figure 402):

- (a) To install the copilot and observer reading light lamps, do as follows:
  - 1 Install the new lamp (3).
  - 2 Put the control assembly (4) in its correct position, push it, and turn it clockwise to install it.
- (b) To install the pilot reading light lamp, do as follows:



EMB145 - EMB135

AIRCRAFT  
MAINTENANCE MANUAL

- 1    Install the new lamp (2).
- 2    Put the lens (1) in its installation position and turn it counterclockwise to install it.

J.    Follow-on

*SUBTASK 842-002-A*

- (1) On the overhead circuit breaker panel, close the READING LIGHT circuit breaker and remove the DO-NOT-CLOSE tag from it.
- (2) Do the operational test of the reading light lamp installed ([AMM TASK 33-11-00-700-801-A/500](#)).

