



EMB145 – EMB135

AIRCRAFT
MAINTENANCE MANUAL

READING LIGHT ASSEMBLY - REMOVAL/INSTALLATION

EFFECTIVITY: ALL

1. General

- A. This section gives the procedures to remove/install the pilot, copilot, and observer reading light mounting base.
- 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
33-11-04-000-801-A	READING LIGHT MOUNTING BASE - REMOVAL	AIRCRAFT WITHOUT HEAD-UP DISPLAY
33-11-04-400-801-A	READING LIGHT MOUNTING BASE - INSTALLATION	AIRCRAFT WITHOUT HEAD-UP DISPLAY
33-11-04-000-802-A	READING LIGHT ASSEMBLY - REMOVAL	AIRCRAFT WITH HEAD-UP DISPLAY
33-11-04-400-802-A	READING LIGHT ASSEMBLY - INSTALLATION	AIRCRAFT WITH HEAD-UP DISPLAY



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TASK 33-11-04-000-801-A

EFFECTIVITY: AIRCRAFT WITHOUT HEAD-UP DISPLAY

2. READING LIGHT MOUNTING BASE - REMOVAL

A. General

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

B. References

REFERENCE	DESIGNATION
AMM TASK 25-12-01-000-801-A/400	COCKPIT LINING - REMOVAL

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. 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.

J. Removal (Figure 401)

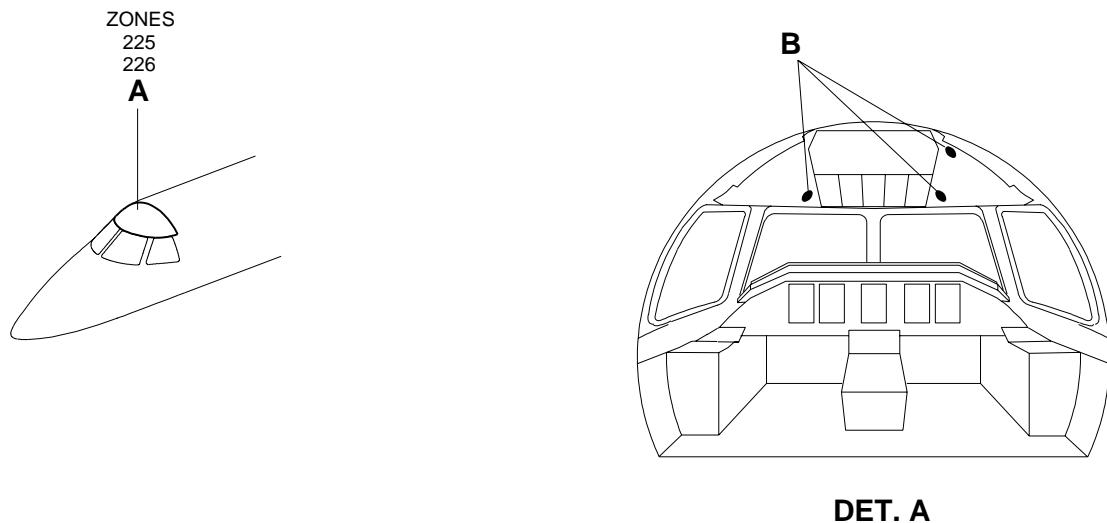
SUBTASK 020-002-A

- (1) Remove the ceiling lining panel (4) (AMM TASK 25-12-01-000-801-A/400).
- (2) Disconnect the electrical connections (5).
- (3) Remove the control assembly (1).
- (4) Remove the screws (2) and washers that attach the mounting base (3) to the ceiling lining panel (4).
- (5) Remove the mounting base (3).

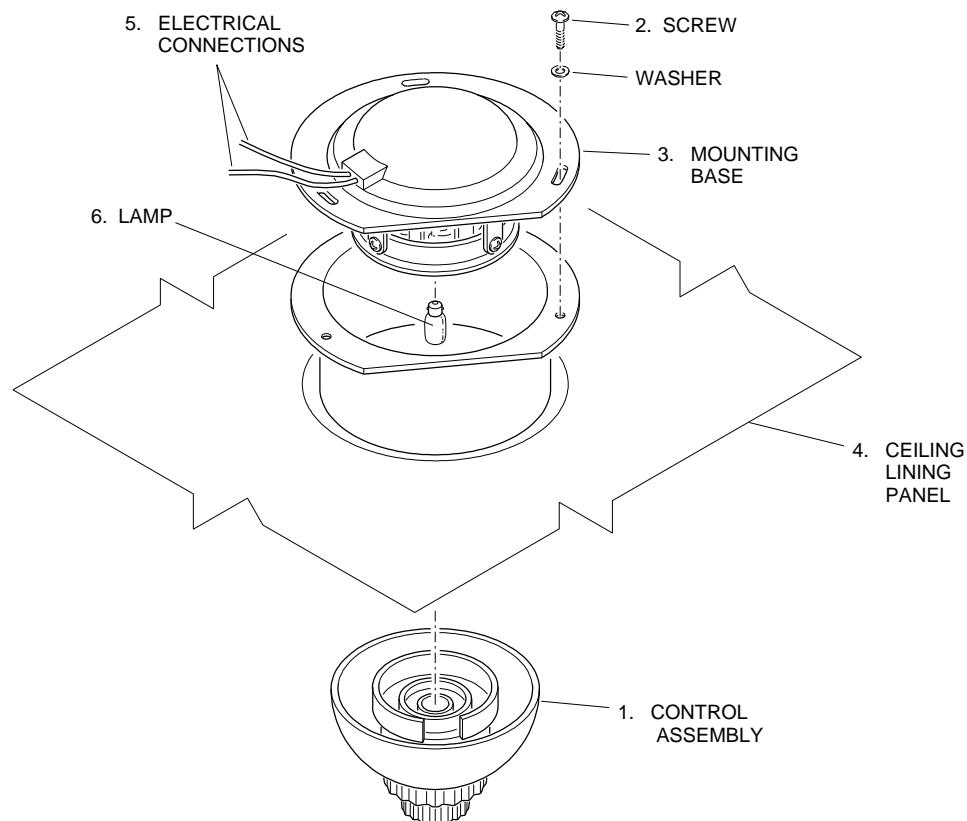
EFFECTIVITY: AIRCRAFT WITHOUT HEAD-UP DISPLAY

Reading Light Mounting Base - Removal/Installation

Figure 401



DET. A



DET. B

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TASK 33-11-04-400-801-A

EFFECTIVITY: AIRCRAFT WITHOUT HEAD-UP DISPLAY

3. READING LIGHT MOUNTING BASE - INSTALLATION

A. General

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

B. References

REFERENCE	DESIGNATION
AMM TASK 25-12-01-400-801-A/400	COCKPIT LINING - INSTALLATION
AMM TASK 33-11-00-700-801-A/500	COCKPIT LIGHTS - OPERATIONAL TEST
AMM TASK 33-11-03-400-801-A/400	READING LIGHT LAMP - INSTALLATION

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 (Figure 401)

SUBTASK 420-002-A

- (1) Put the mounting base (3) in its position.
- (2) Tighten the screws (2) and washers that attach the mounting base (3) to the ceiling lining panel (4).
- (3) Remake the electrical connections (5).
- (4) Install a lamp (6) ([AMM TASK 33-11-03-400-801-A/400](#)) if not installed.
- (5) Reinstall the control assembly (1).
- (6) Install the ceiling lining panel (4) ([AMM TASK 25-12-01-400-801-A/400](#)).



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J. Follow-on

SUBTASK 842-002-A

- (1) Do the operational test of the reading light ([AMM TASK 33-11-00-700-801-A/500](#)).



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TASK 33-11-04-000-802-A

EFFECTIVITY: AIRCRAFT WITH HEAD-UP DISPLAY

4. READING LIGHT ASSEMBLY - REMOVAL

A. General

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

B. References

REFERENCE	DESIGNATION
AMM TASK 25-12-01-000-801-A/400	COCKPIT LINING - REMOVAL

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. Preparation

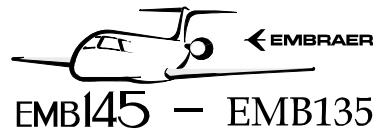
SUBTASK 841-003-A

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

J. Removal (Figure 402)

SUBTASK 020-003-A

- (1) To remove the copilot and the observer reading light mounting base, do as follows:
- Remove the ceiling lining panel (11) ([AMM TASK 25-12-01-000-801-A/400](#)).
 - Disconnect the electrical connections (5).
 - Remove the control assembly (10).
 - Remove the screws (6) and washers (7) that attach the mounting base (8) to the ceiling lining panel (11).



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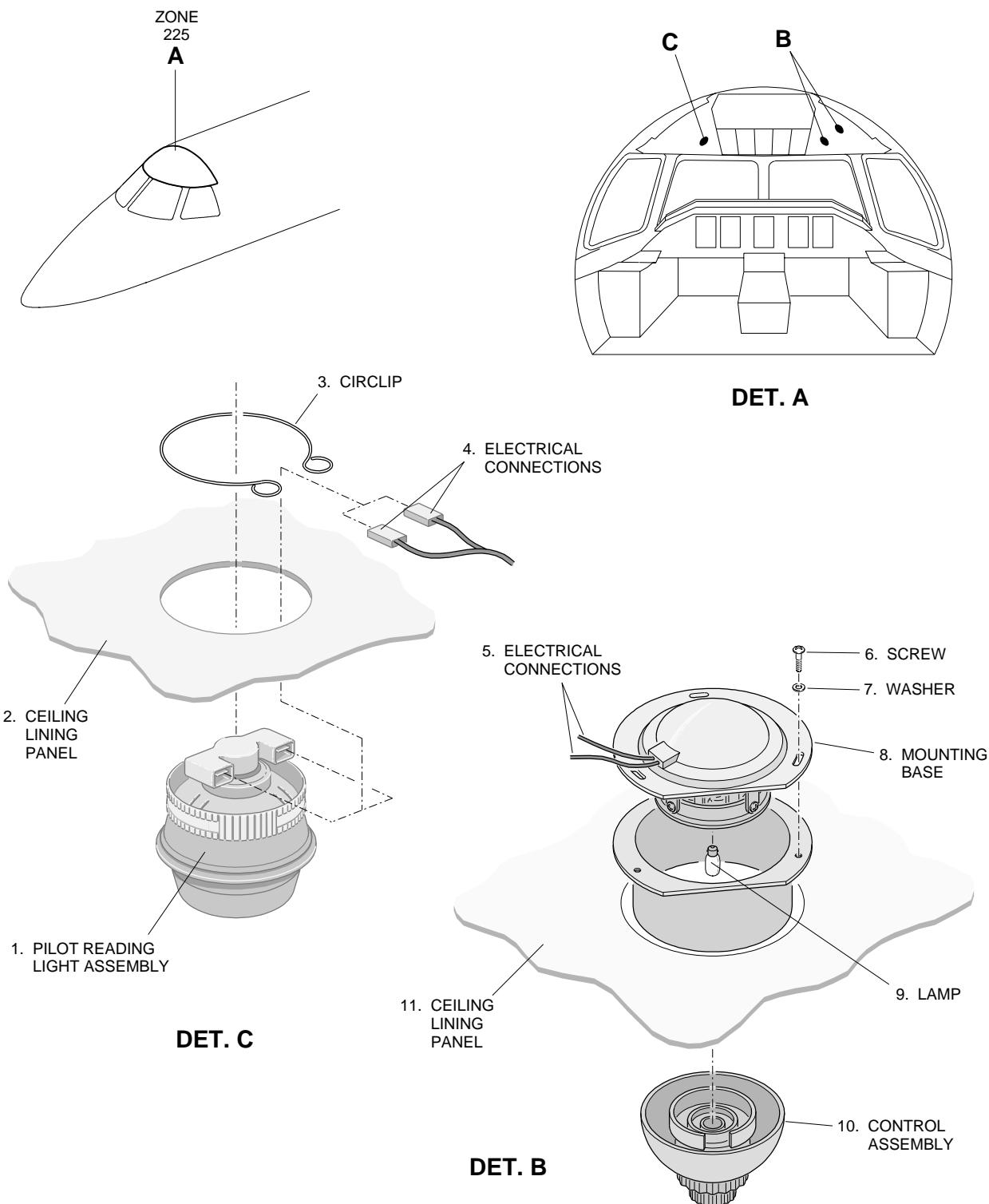
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- (e) Remove the mounting base (8).
- (2) To remove the pilot reading light assembly, do as follows:
 - (a) Remove the ceiling lining panel (2) ([AMM TASK 25-12-01-000-801-A/400](#)).
 - (b) Remove the two electrical connections (4).
 - (c) Remove the circlip (3) which attaches the pilot reading light assembly to the ceiling lining panel (2).
 - (d) Remove the pilot reading light assembly (1) from the ceiling lining panel (2).

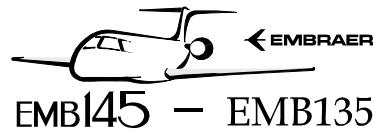
EFFECTIVITY: AIRCRAFT WITH HEAD-UP DISPLAY

Reading Light Assembly - Removal/Installation

Figure 402



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TASK 33-11-04-400-802-A

EFFECTIVITY: AIRCRAFT WITH HEAD-UP DISPLAY

5. READING LIGHT ASSEMBLY - INSTALLATION

A. General

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

B. References

REFERENCE	DESIGNATION
AMM TASK 25-12-01-400-801-A/400	COCKPIT LINING - INSTALLATION
AMM TASK 33-11-00-700-801-A/500	COCKPIT LIGHTS - OPERATIONAL TEST
AMM TASK 33-11-03-400-801-A/400	READING LIGHT LAMP - INSTALLATION

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 (Figure 402)

SUBTASK 420-003-A

- (1) To install the copilot and the observer reading light mounting base, do as follows:

- (a) Put the mounting base (8) in its position.
- (b) Tighten the screws (6) and washers (7) that attach the mounting base (8) to the ceiling lining panel (11).
- (c) Remake the electrical connections (5).
- (d) Install a lamp (9) ([AMM TASK 33-11-03-400-801-A/400](#)) if not installed.
- (e) Reinstall the control assembly (10).



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- (f) Install the ceiling lining panel (11) ([AMM TASK 25-12-01-400-801-A/400](#)).
- (2) To install the pilot reading light assembly, do as follows:
 - (a) Put the pilot reading light assembly (1) in its installation position.
 - (b) Install the circlip (3) which attaches the pilot reading light assembly (1) to the ceiling lining panel (2).
 - (c) Connect the two electrical connections (4).
 - (d) Install a lamp ([AMM TASK 33-11-03-400-801-A/400](#)) if not installed.
 - (e) Install the ceiling lining panel (2) ([AMM TASK 25-12-01-400-801-A/400](#)).

J. Follow-on

SUBTASK 842-003-A

- (1) Do the operational test of the reading light ([AMM TASK 33-11-00-700-801-A/500](#)).