



AIRCRAFT MAINTENANCE MANUAL

PSU READING LIGHT - REMOVAL/INSTALLATION

EFFECTIVITY: ALL

1. General

- A. This section gives the procedures to remove and install the PSU Reading Light.
- 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
33-25-02-000-801-A	PSU READING LIGHT LAMP - REMOVAL	ALL
33-25-02-400-801-A	PSU READING LIGHT LAMP - INSTALLA- TION	ALL
33-25-02-000-802-A	PSU READING LIGHT ASSEMBLY - RE- MOVAL	ALL
33-25-02-400-802-A	PSU READING LIGHT ASSEMBLY - IN- STALLATION	ALL



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TASK 33-25-02-000-801-A

EFFECTIVITY: ALL

2. PSU READING LIGHT LAMP - REMOVAL

A. General

- (1) This task gives the procedures to remove the PSU reading light lamp.
- (2) You can remove the reading light assembly ([AMM TASK 33-25-02-000-802-A/400](#)) from the PSU to make the removal of the reading light lens easier.

B. References

REFERENCE	DESIGNATION
AMM TASK 33-25-02-000-802-A/400	PSU READING LIGHT ASSEMBLY - 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	Passenger cabin

I. Preparation

SUBTASK 841-006-A

- (1) Open these circuit breakers and attach a DO-NOT-CLOSE tag to them:
 - (a) On the left power control and distribution box:
 - RDNG LT/ATTD CALL 1 (Location tip: RB SHED DC BUS 1/RDNG LT/ATTD CALL 1).
 - (b) On the right power control and distribution box:
 - RDNG LT/ATTD CALL 2 (Location tip: RB SHED DC BUS 2/RDNG LT/ATTD CALL 2).
 - RDNG LT/ATTD CALL 3 (Location tip: RB SHED DC BUS 3/RDNG LT/ATTD CALL 3).



J. Removal (Figure 401) (Figure 402)

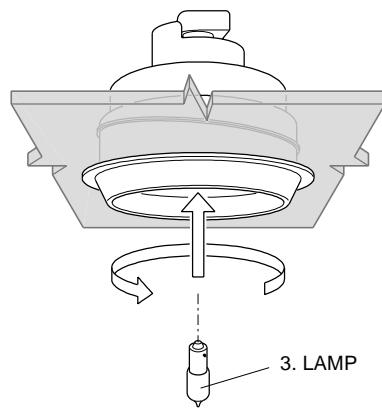
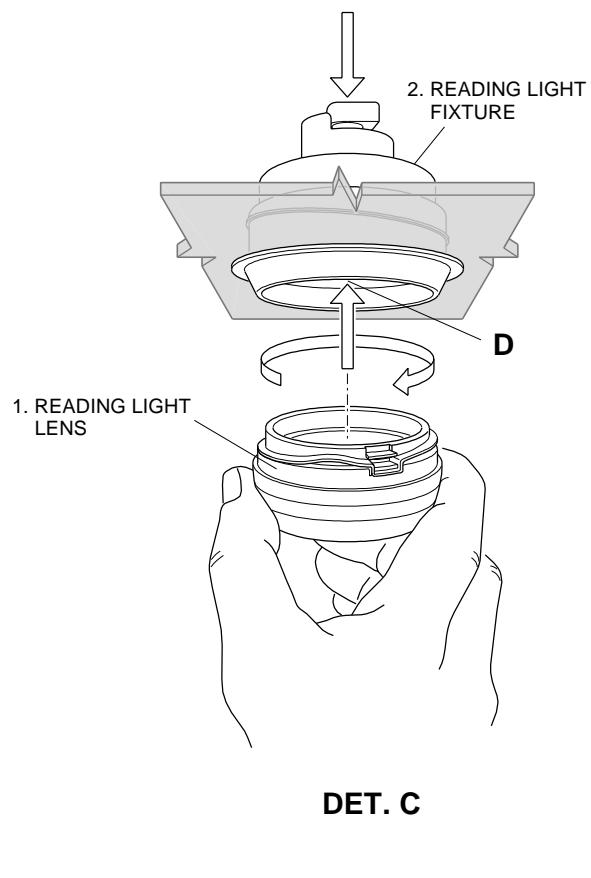
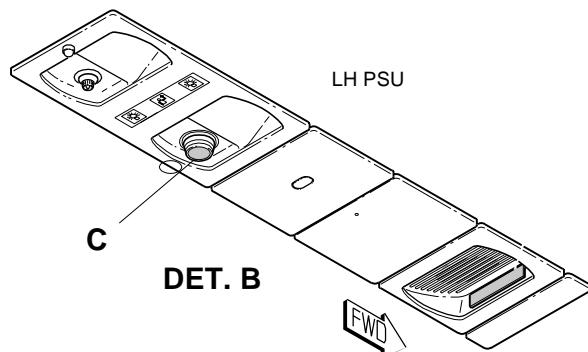
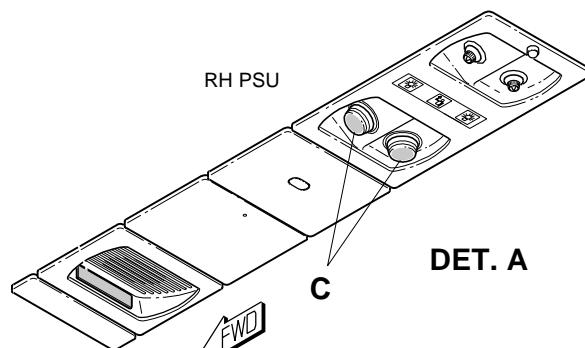
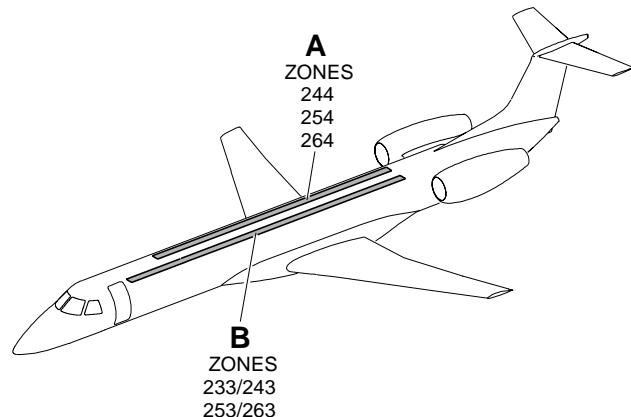
SUBTASK 020-006-A

- (1) Firmly hold the reading light lens (1) and the reading light fixture (2).
- (2) Push the reading light lens (1) and turn clockwise to unlock it.
- (3) Remove the reading light lens (1).
- (4) Carefully push the lamp (3) and turn counterclockwise to remove it.

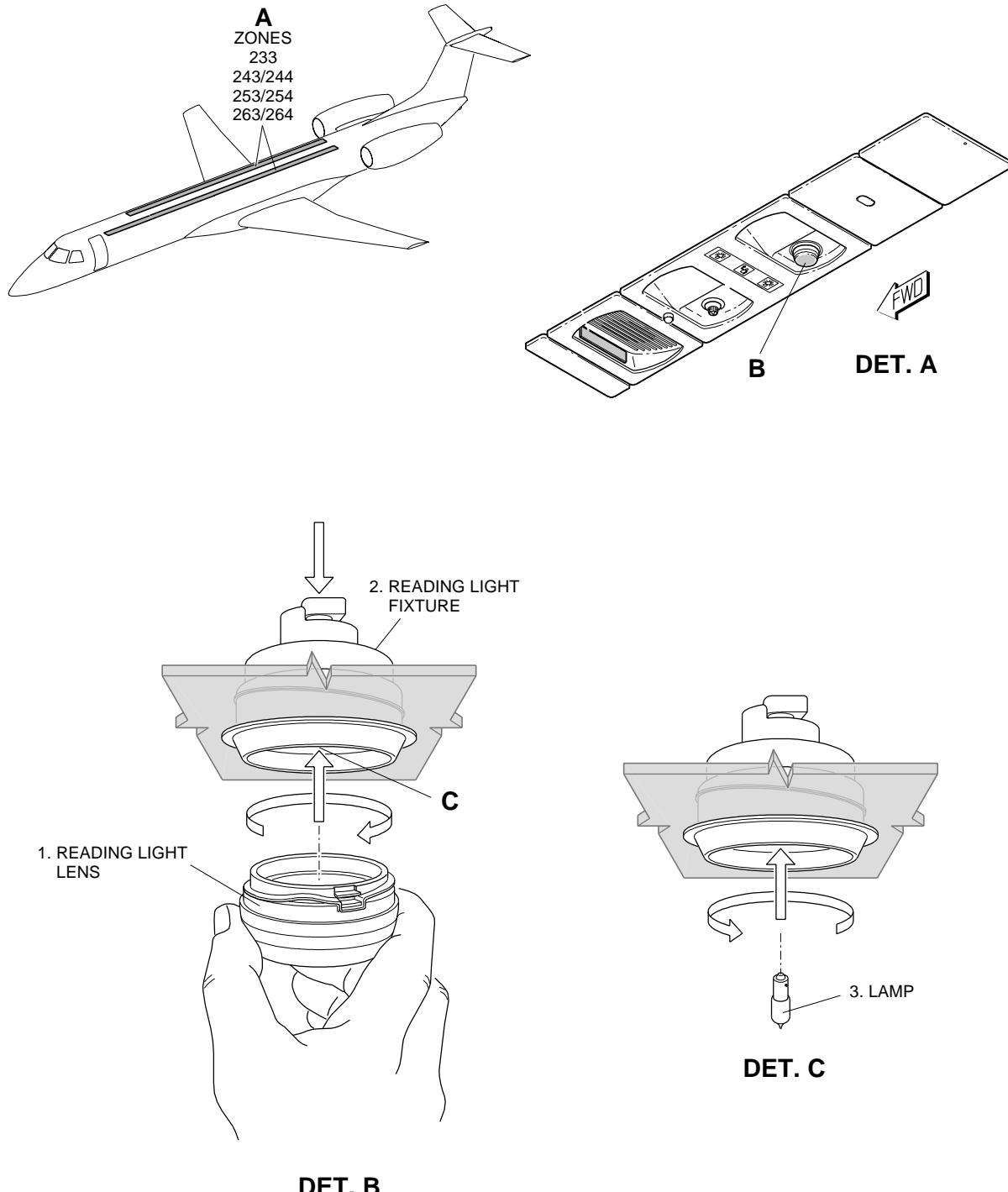
EFFECTIVITY: AIRCRAFT FOR 37 PASSENGERS

PSU Reading Light Lamp - Removal/Installation

Figure 401



EFFECTIVITY: AIRCRAFT FOR 16 PASSENGERS
PSU Reading Light Lamp - Removal/Installation
Figure 402



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TASK 33-25-02-400-801-A

EFFECTIVITY: ALL

3. PSU READING LIGHT LAMP - INSTALLATION

A. General

- (1) This task gives the procedures to install the PSU reading light lamp.

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

QTY	FUNCTION	PLACE
1	Does the task	Passenger cabin

H. Installation (Figure 401) (Figure 402)

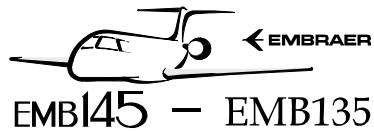
SUBTASK 420-006-A

- (1) Put the lamp (3) in its installation position.
- (2) Carefully push the lamp (3) and turn it clockwise to lock it.
- (3) Push the reading light lens (1) and turn counterclockwise to lock it.

I. Follow-on

SUBTASK 842-006-A

- (1) Remove the DO-NOT-CLOSE tag from these circuit breakers and close them:
 - (a) On the left power control and distribution box:
 - RDNG LT/ATTD CALL 1 (Location tip: RB SHED DC BUS 1/RDNG LT/ATTD CALL 1).
 - (b) On the right power control and distribution box:
 - RDNG LT/ATTD CALL 2 (Location tip: RB SHED DC BUS 2/RDNG LT/ATTD CALL 2).
 - RDNG LT/ATTD CALL 3 (Location tip: RB SHED DC BUS 3/RDNG LT/ATTD CALL 3).



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TASK 33-25-02-000-802-A

EFFECTIVITY: ALL

4. PSU READING LIGHT ASSEMBLY - REMOVAL

A. General

- (1) This task gives the procedures to remove the PSU reading light assembly.

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

QTY	FUNCTION	PLACE
1	Does the task	Passenger cabin

H. Preparation

SUBTASK 841-007-A

- (1) Open these circuit breakers and attach a DO-NOT-CLOSE tag to them:

- (a) On the left power control and distribution box:

– RDNG LT/ATTD CALL 1 (Location tip: RB SHED DC BUS 1/RDNG LT/ATTD CALL 1).

- (b) On the right power control and distribution box:

– RDNG LT/ATTD CALL 2 (Location tip: RB SHED DC BUS 2/RDNG LT/ATTD CALL 2).

– RDNG LT/ATTD CALL 3 (Location tip: RB SHED DC BUS 3/RDNG LT/ATTD CALL 3).

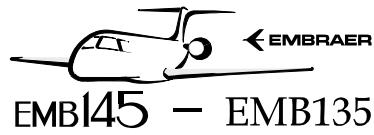
I. Removal ([Figure 403](#)) ([Figure 404](#))

SUBTASK 020-007-A

- (1) Unlock the PSU latch and carefully pull the PSU assembly (1) down.

- (2) Disconnect the two electrical connections (3).

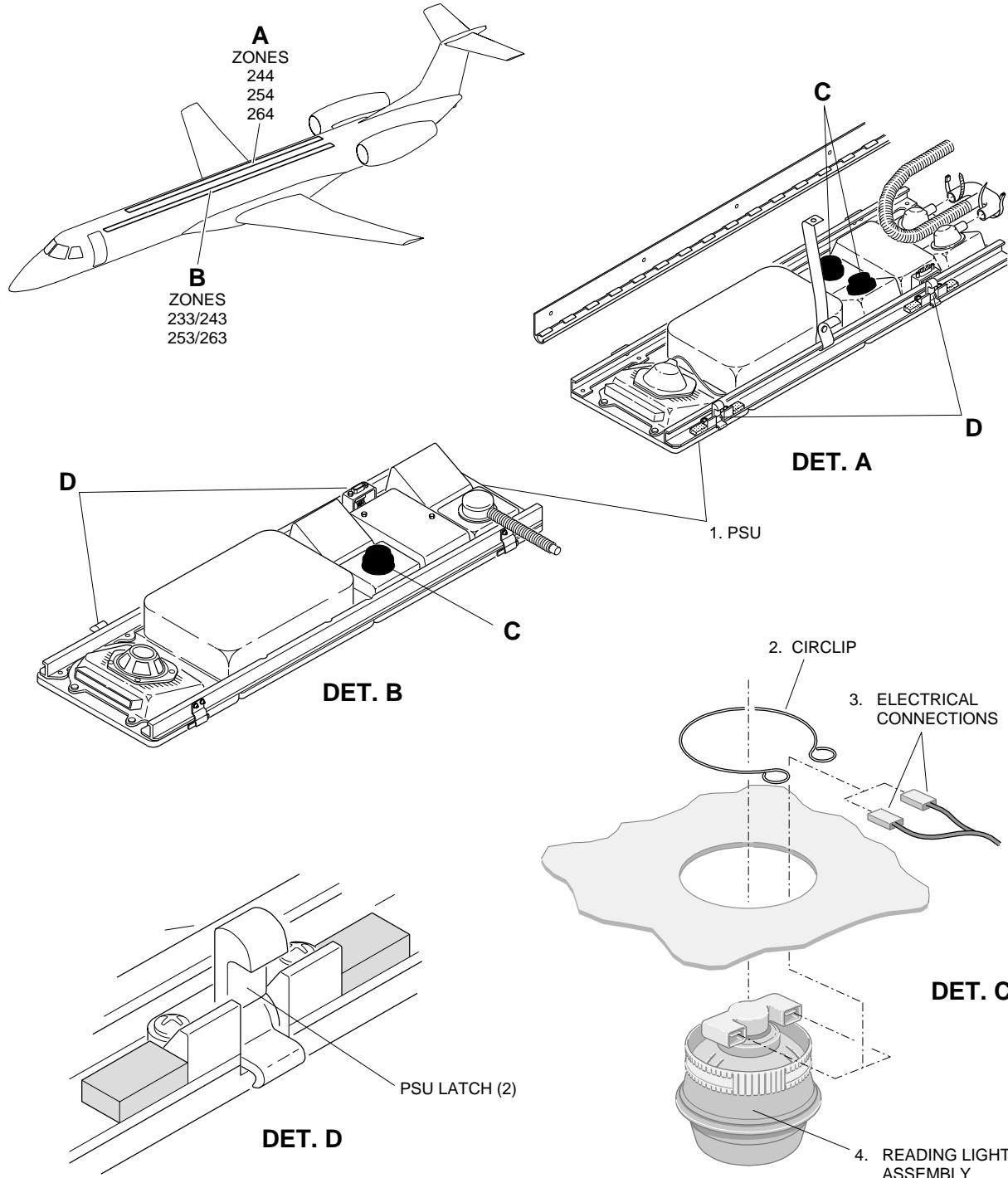
- (3) Remove the circlip (2).



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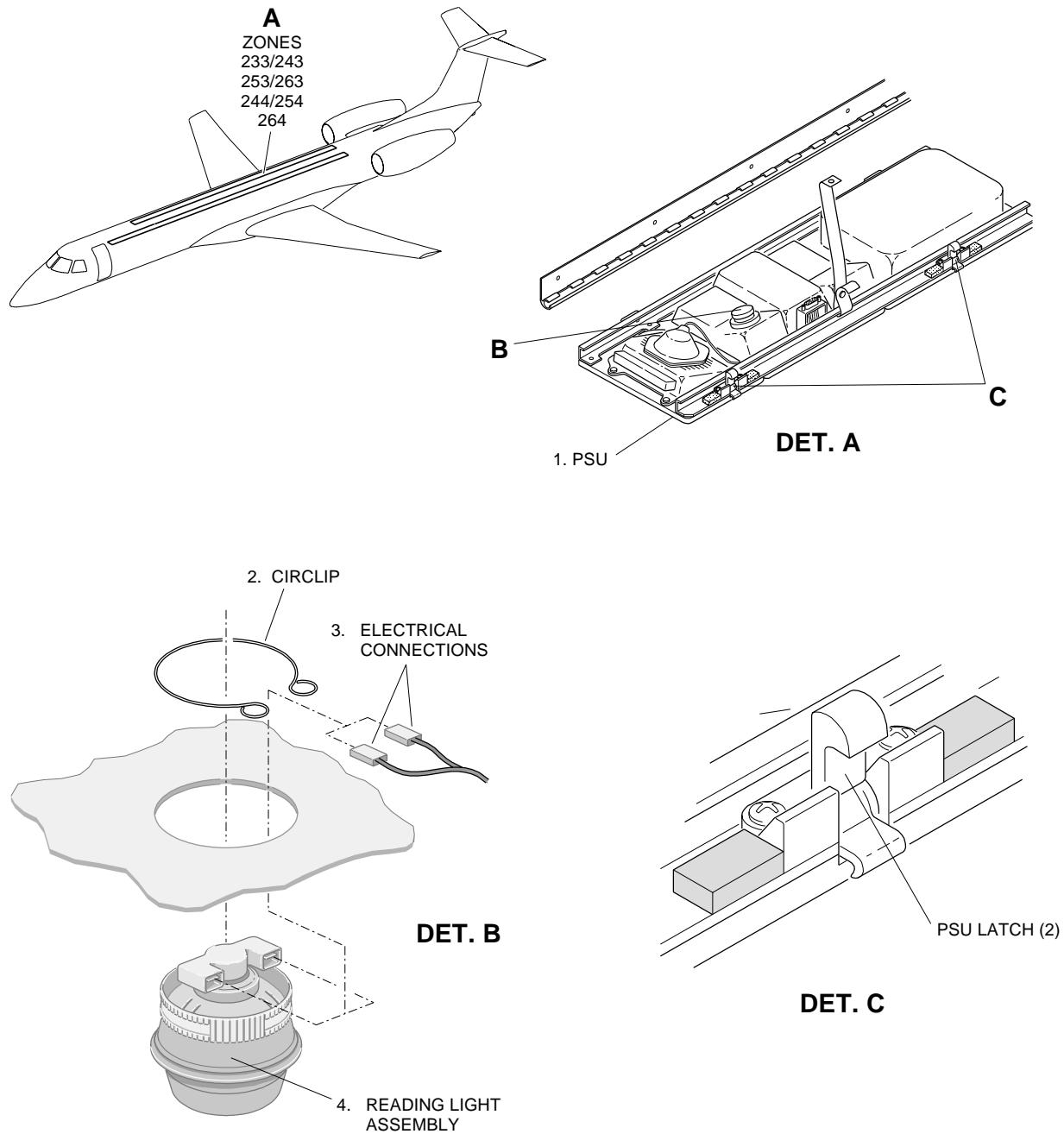
-
- (4) Pull the reading light assembly (4) and remove it.

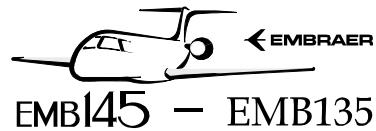
EFFECTIVITY: AIRCRAFT FOR 37 PASSENGERS
PSU Reading Light Assembly - Removal/Installation
Figure 403



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EFFECTIVITY: AIRCRAFT FOR 16 PASSENGERS
PSU Reading Light Assembly - Removal/Installation
Figure 404





EMB145 – EMB135

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TASK 33-25-02-400-802-A

EFFECTIVITY: ALL

5. PSU READING LIGHT ASSEMBLY - INSTALLATION

A. General

- (1) This task gives the procedures to install the PSU reading light assembly.

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

QTY	FUNCTION	PLACE
1	Does the task	Passenger cabin

H. Installation (Figure 403) (Figure 404)

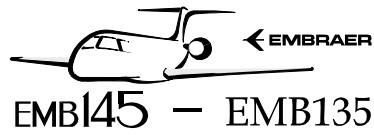
SUBTASK 420-007-A

- (1) Put the reading light assembly (4) in its installation position.
- (2) Fasten the reading light assembly (4) in the PSU (1) with the circlip (2).
- (3) Connect the two electrical connections (3).
- (4) Close the PSU assembly (1).

I. Follow-on

SUBTASK 842-007-A

- (1) Remove the DO-NOT-CLOSE tag from these circuit breakers and close them:
 - (a) On the left power control and distribution box:
 - RDNG LT/ATTD CALL 1 (Location tip: RB SHED DC BUS 1/RDNG LT/ATTD CALL 1).
 - (b) On the right power control and distribution box:
 - RDNG LT/ATTD CALL 2 (Location tip: RB SHED DC BUS 2/RDNG LT/ATTD CALL 2).



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- RDNG LT/ATTD CALL 3 (Location tip: RB SHED DC BUS 3/RDNG LT/ATTD CALL 3).