



EMB145 - EMB135

AIRCRAFT  
MAINTENANCE MANUAL

**STROBE LIGHTS - REMOVAL/INSTALLATION**

*EFFECTIVITY: ALL*

1. General

- A. This section gives the procedures to remove and install the Strobe Lights.
- B. There are three strobe lights. They are installed one in each wing tip and the other on the vertical/horizontal empennage fairing (tail boom).
- 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
33-47-03-000-801-A	STROBE LIGHTS - REMOVAL	ALL
33-47-03-400-801-A	STROBE LIGHTS - INSTALLATION	ALL



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TASK 33-47-03-000-801-A

EFFECTIVITY: ALL

2. STROBE LIGHTS - REMOVAL

A. General

- (1) This procedure gives the instructions to remove the Strobe Lights.

B. References

REFERENCE	DESIGNATION
AMM TASK 55-36-01-000-801-A/400	TAIL-BOOM LIGHT LENS - REMOVAL
AMM TASK 57-30-01-000-801-A/400	-
S.B.145-33-0008	-

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
561	561AL	Wing tip
661	661AR	Wing tip
321		Vertical/horizontal empennage fairing (tail boom)

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	Wing tips and vertical/horizontal empennage fairing (tail boom)

I. Preparation

**SUBTASK 841-002-A**

- (1) Make sure that the STROBE switch, on the overhead panel, is in the OFF position.
- (2) Remove the wing tip lens (AMM TASK 57-30-01-000-801-A/400).
- (3) Remove the tail boom lens ( AMM TASK 55-36-01-000-801-A/400).



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J. Removal

SUBTASK 020-002-A

- (1) (PRE-MOD [S.B.145-33-0008](#)) Remove the strobe lights as follows ([Figure 401](#)):

- (a) FOR AIRCRAFT WITH STROBE LIGHT REFLECTOR, do as follows:

- 1 Remove the two screws (4) and two washers (3) that attach the strobe light reflector.
- 2 Remove the strobe light reflector (7).
- 3 Remove the lens retainer (2).
- 4 Remove the lens (5).
- 5 Pull the lamp base (6) to get access to the electrical connector (1).
- 6 Hold the lamp base (6) and turn the electrical connector (1) to disconnect it.
- 7 Remove the strobe light.

- (b) FOR AIRCRAFT WITHOUT STROBE LIGHT REFLECTOR, do as follows:

- 1 Remove the two screws (4) and two washers (3) that attach the lens retainer (2).
- 2 Remove the lens retainer (2).
- 3 Remove the lens (5).
- 4 Pull the lamp base (6) to get access to the electrical connector (1).
- 5 Hold the lamp base (6) and turn the electrical connector (1) to disconnect it.
- 6 Remove the strobe light.

- (2) (POST-MOD [S.B.145-33-0008](#)) Remove the strobe lights as follows:

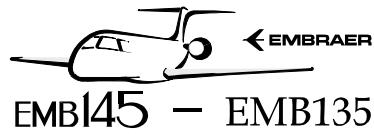
**NOTE:** For aircraft without standby tail navigation lights refer to [Figure 402](#).  
For aircraft with standby tail navigation lights refer to [Figure 403](#).

- (a) For the removal of the wing tip strobe light, do as follows:

- 1 Remove the three screws (1), three lock washers (2), and three washers (3) which attach the strobe light (4) to the adapter (6).
- 2 Pull the strobe light (4) sufficiently to get access to the electrical connector (5).
- 3 Disconnect the electrical connector (5) and remove the strobe light (4).

- (b) For the removal of the tail-boom strobe light, do as follows:

- 1 Remove the four screws (7), four lock washers (8), and four washers (9) which attach the strobe light (10) to the adapter (12).



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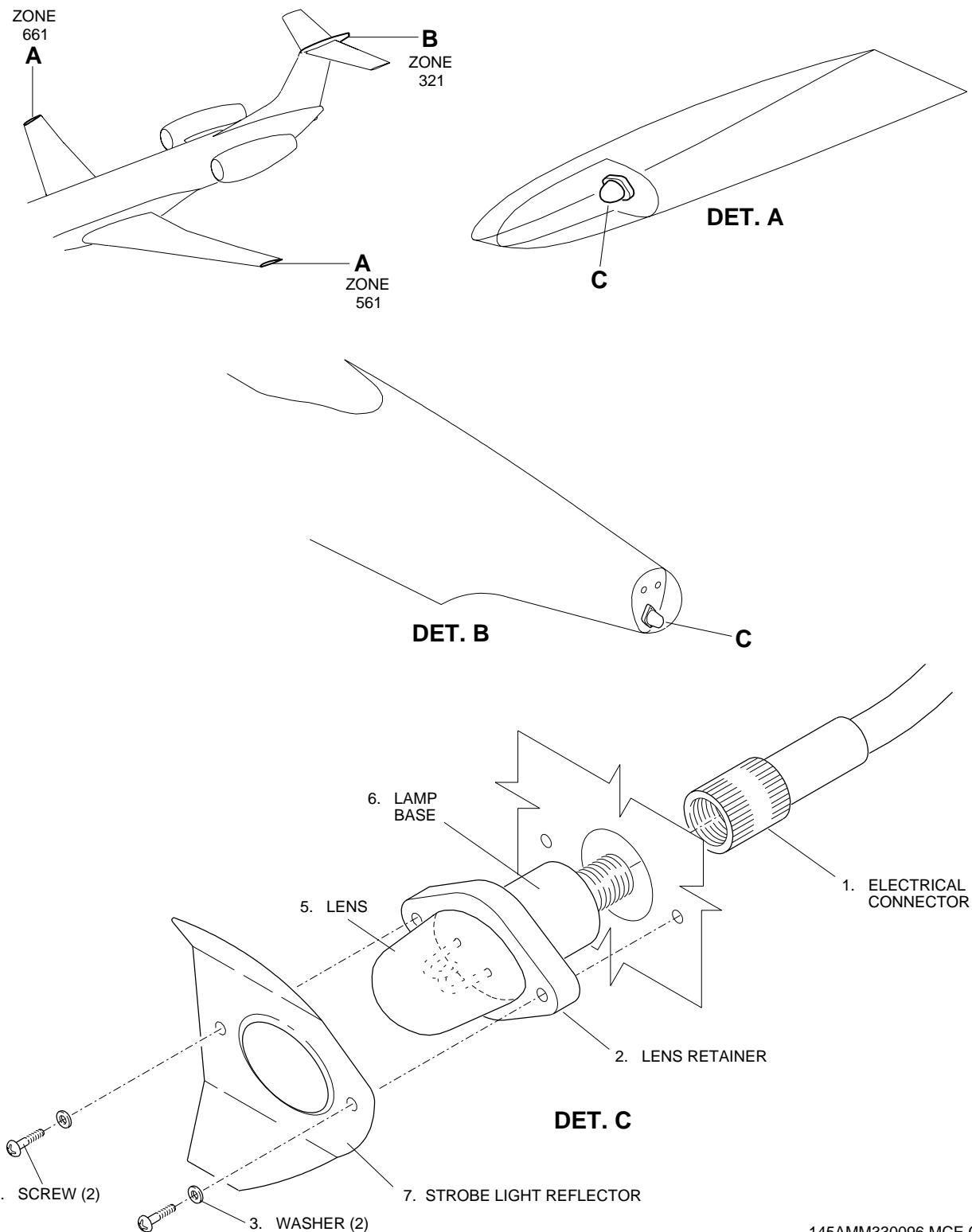
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- 2 Pull the strobe light (10) sufficiently to get access to the electrical connector (11).
- 3 Disconnect the electrical connector (11) and remove the strobe light (10).

**EFFECTIVITY: FOR AIRCRAFT PRE-MOD SB 145-33-0008**

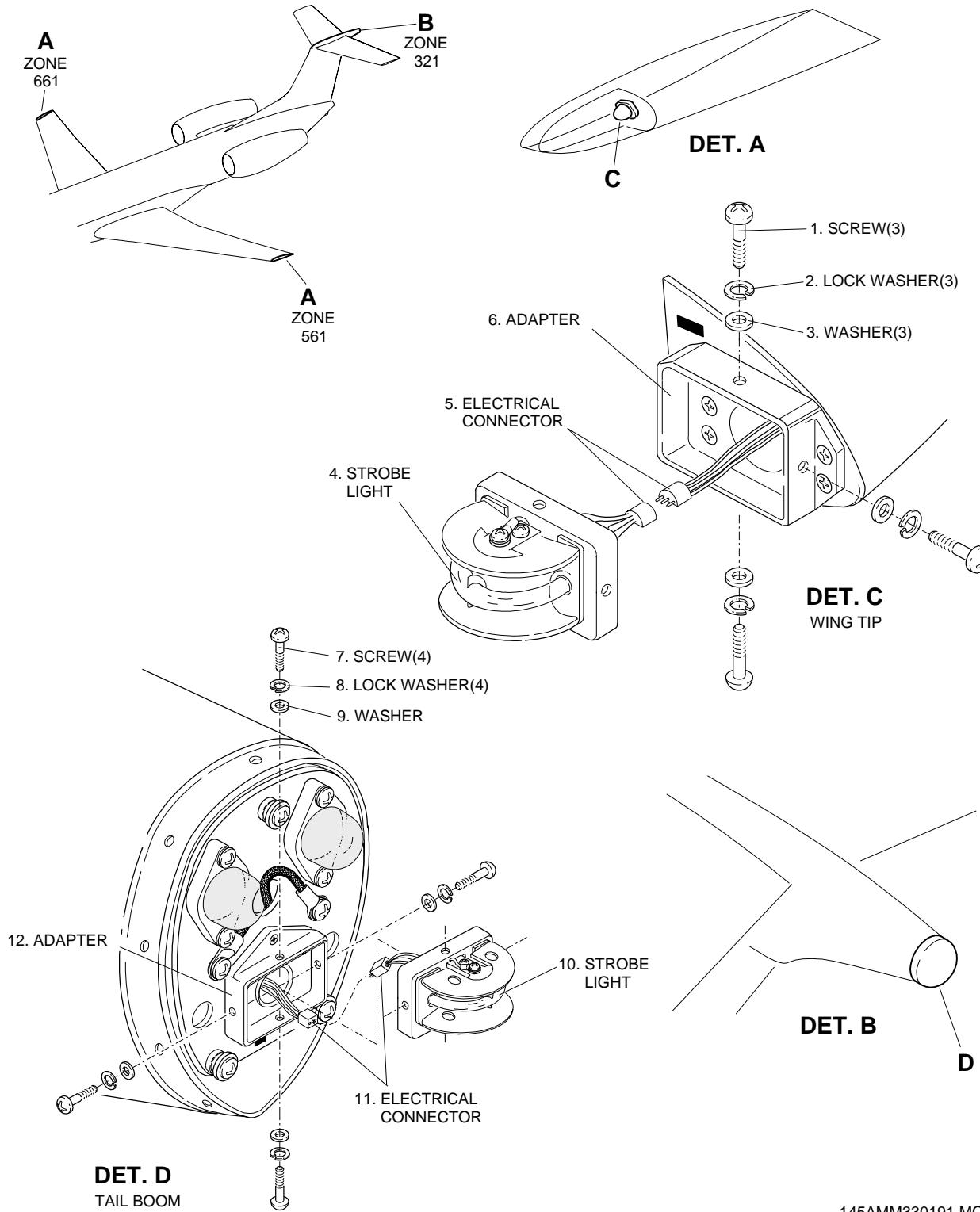
Strobe Lights - Removal/Installation

Figure 401



145AMM330096.MCE C

**EFFECTIVITY: FOR AIRCRAFT POST-MOD SB 145-33-0008 AND WITHOUT STANDBY TAIL  
NAVIGATION LIGHTS**  
Strobe Lights - Removal/Installation  
Figure 402

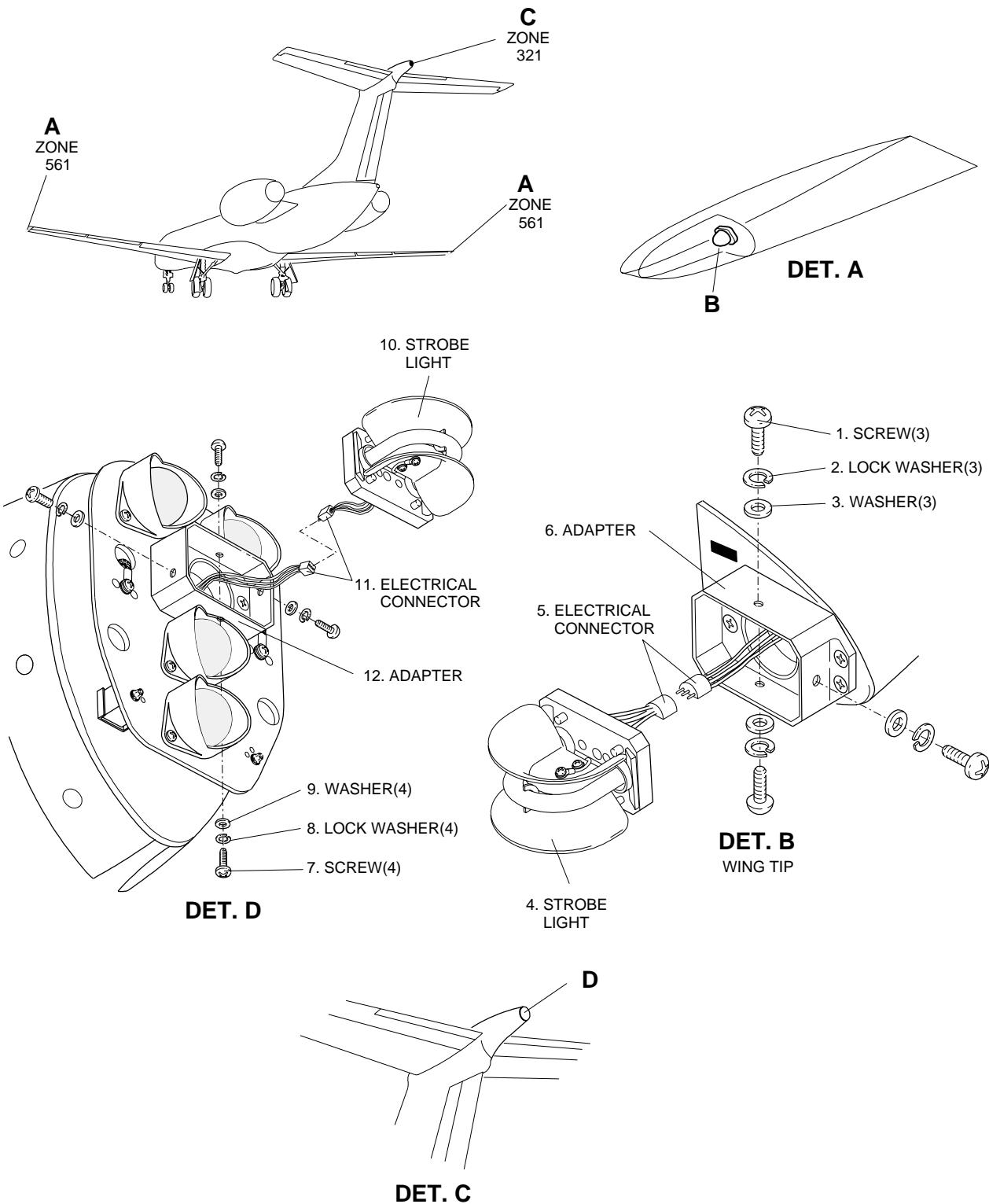


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**EFFECTIVITY: FOR AIRCRAFT POST-MOD SB 145-33-0008 AND WITH STANDBY TAIL NAVIGATION LIGHTS**

Strobe Lights - Removal/Installation

Figure 403



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TASK 33-47-03-400-801-A

EFFECTIVITY: ALL

3. STROBE LIGHTS - INSTALLATION

A. General

- (1) This procedure gives the instructions to install the Strobe Lights.

B. References

REFERENCE	DESIGNATION
AMM TASK 33-47-00-700-801-A/500	ANTICOLLISION LIGHTS - OPERATIONAL TEST
AMM TASK 55-36-01-400-801-A/400	TAIL-BOOM LIGHT LENS - INSTALLATION
AMM TASK 57-30-01-400-801-A/400	-
S.B.145-33-0008	-

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
561	561AL	Wing tip
661	661AR	Wing tip
321		Vertical/horizontal empennage fairing

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	At the left and right wing tips and at the vertical/horizontal fairing

I. Installation

*SUBTASK 420-002-A*

- (1) (PRE-MOD S.B.145-33-0008) Install the strobe lights as follows (Figure 401):

- (a) FOR AIRCRAFT WITH STROBE LIGHT REFLECTOR, do as follows:

1 Put the strobe light in its installation position.

2 Connect the electrical connector (1) to the lamp base (6).

- 3 Install the lens (5).
  - 4 Install the lens retainer (2).
  - 5 Install the strobe light reflector (7).
  - 6 Put the two washers (3) and two screws (4) in their installation position.
  - 7 Tighten the two screws (4).
- (b) FOR AIRCRAFT WITHOUT STROBE LIGHT REFLECTOR, do as follows:
- 1 Put the strobe light in its installation position.
  - 2 Connect the electrical connector (1) to the lamp base (6).
  - 3 Install the lens (5).
  - 4 Install the lens retainer (2).
  - 5 Put the two washers (3) and two screws (4) in their installation position.
  - 6 Tighten the two screws (4).
- (2) (POST-MOD [S.B.145-33-0008](#)) Install the strobe lights as follows:
- NOTE: For aircraft without standby tail navigation lights refer to Figure 402.  
 For aircraft with standby tail navigation lights refer to Figure 403.
- (a) For the installation of the wing tip strobe light, do as follows:
- 1 Connect the electrical connector (5).
  - 2 Put the strobe light (4) in its installation position.
  - 3 Tighten the three screws (1), three lock washers (2), and three washers (3) which attach the strobe light (4) to the adapter (6).
- (b) For the installation of the tail boom strobe light, do as follows:
- 1 Connect the electrical connector (11).
  - 2 Put the strobe light (10) in its installation position.
  - 3 Tighten the four screws (7), four lock washers (8), and four washers (9) which attach the strobe light (10) to the adapter (12).

#### J. Follow-on

##### SUBTASK 842-002-A

- (1) Do the operational test of the Strobe Lights ([AMM TASK 33-47-00-700-801-A/500](#)).
- (2) Install the wing tip lens (AMM TASK 57-30-01-400-801-A/400).
- (3) Install the tail boom lens ([AMM TASK 55-36-01-400-801-A/400](#)).

