

## MAIN/STANDBY REAR NAVIGATION LIGHTS - REMOVAL/INSTALLATION

EFFECTIVITY: ALL

### 1. General

- A. This section gives the procedures to remove and install the main/standby rear navigation lights.
- 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 |
|--------------------|--|-------------|
| 33-43-05-000-801-A | MAIN/STANDBY REAR NAVIGATION LIGHT LAMPS - REMOVAL           | ALL         |
| 33-43-05-400-801-A | MAIN/STANDBY REAR NAVIGATION LIGHT LAMPS - INSTALLATION      | ALL         |
| 33-43-05-000-802-A | MAIN/STANDBY REAR NAVIGATION LIGHT ASSEMBLIES - REMOVAL      | ALL         |
| 33-43-05-400-802-A | MAIN/STANDBY REAR NAVIGATION LIGHT ASSEMBLIES - INSTALLATION | ALL         |

TASK 33-43-05-000-801-A

EFFECTIVITY: ALL

## 2. MAIN/STANDBY REAR NAVIGATION LIGHT LAMPS - REMOVAL

### A. General

- (1) This procedure gives the instructions to remove the main/standby rear navigation light lamps.

### B. References

| REFERENCE                                       | DESIGNATION   |
|---|---|
| <a href="#">AMM TASK 55-36-01-000-801-A/400</a> | TAIL-BOOM LIGHT LENS - REMOVAL                        |
| <a href="#">AMM TASK 55-36-03-200-801-A/600</a> | RUBBER VIBRATION ISOLATION MOUNTS - VISUAL INSPECTION |

### 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 | Tail boom |

### I. Preparation

#### SUBTASK 841-002-A

- (1) Make sure that the NAV switch, on the overhead panel, is set to the OFF position.
- (2) Put a DO-NOT-OPERATE tag on the NAV switch.
- (3) Remove the tail boom lens ( [AMM TASK 55-36-01-000-801-A/400](#) ).

### J. Removal

#### SUBTASK 020-002-A

- (1) For aircraft without standby tail navigation lights, remove the main rear navigation light lamps as follows ([Figure 401](#)):
  - (a) Remove the two screws (4).

- (b) Remove the lens retainer (3).
  - (c) Remove the lens (2).
  - (d) Remove the lamp (1).
  - (e) For aircraft with rubber vibration-isolation mounts installed, do a visual inspection on these components ([AMM TASK 55-36-03-200-801-A/600](#)).
- (2) For aircraft with standby tail navigation lights, remove the main/standby rear navigation light lamps as follows ([Figure 402](#)):
- (a) Remove the two screws (3).
  - (b) Remove the baffle (2).

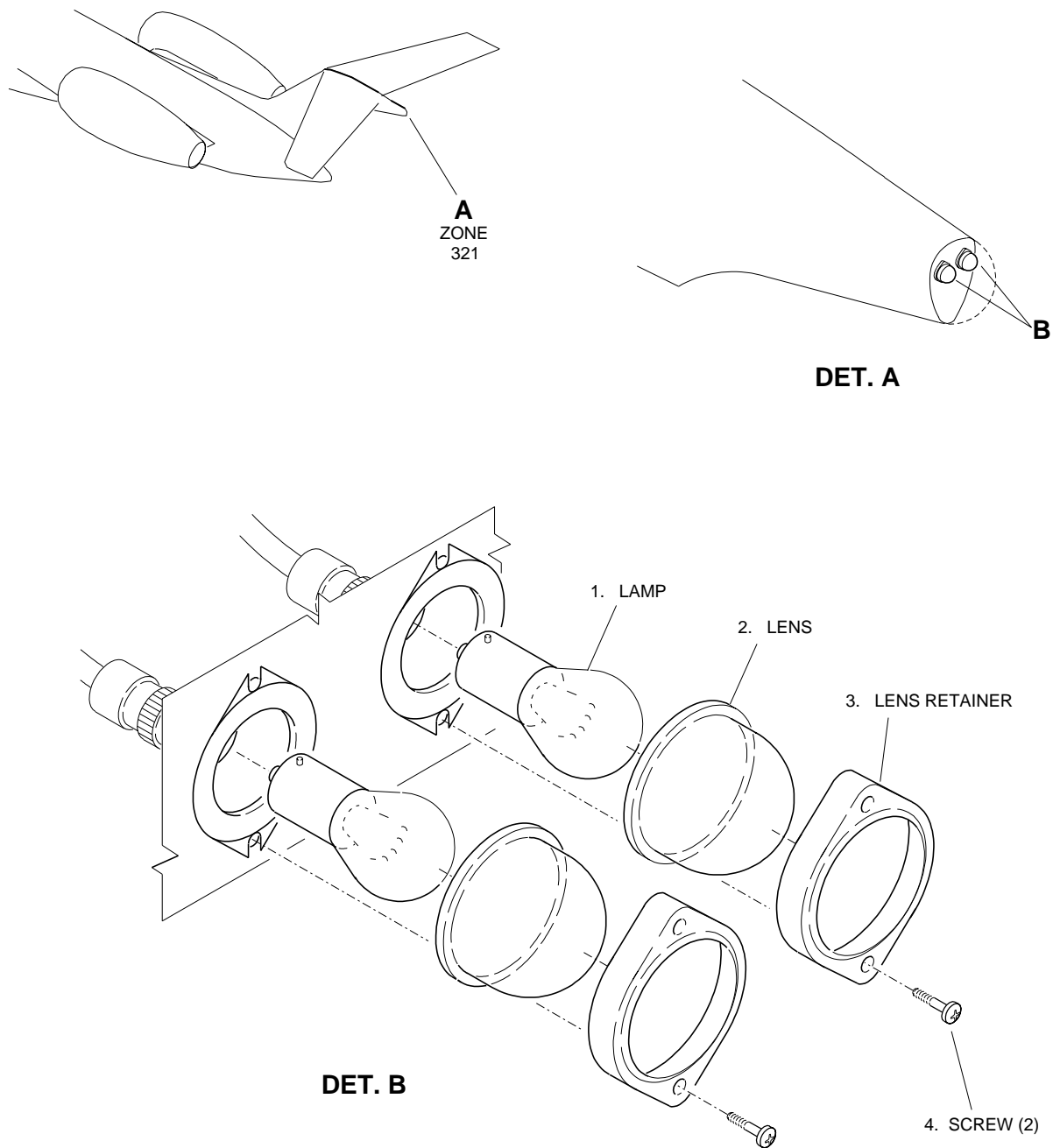
**CAUTION:** DO NOT TOUCH THE LAMP DIRECTLY WITH FINGER TIP. THIS WILL DAMAGE THE LAMP. REMOVE GREASE OR FINGERPRINTS WITH A CLEANING CLOTH SOAKED IN THE CORRECT DEGREASER.

- (c) Carefully push the lamp (1) and turn it counterclockwise to unlock it.
- (d) Remove the lamp (1).

EFFECTIVITY: FOR AIRCRAFT WITHOUT STANDBY TAIL NAVIGATION LIGHTS

Main Rear Navigation Light Lamps - Removal/Installation

Figure 401

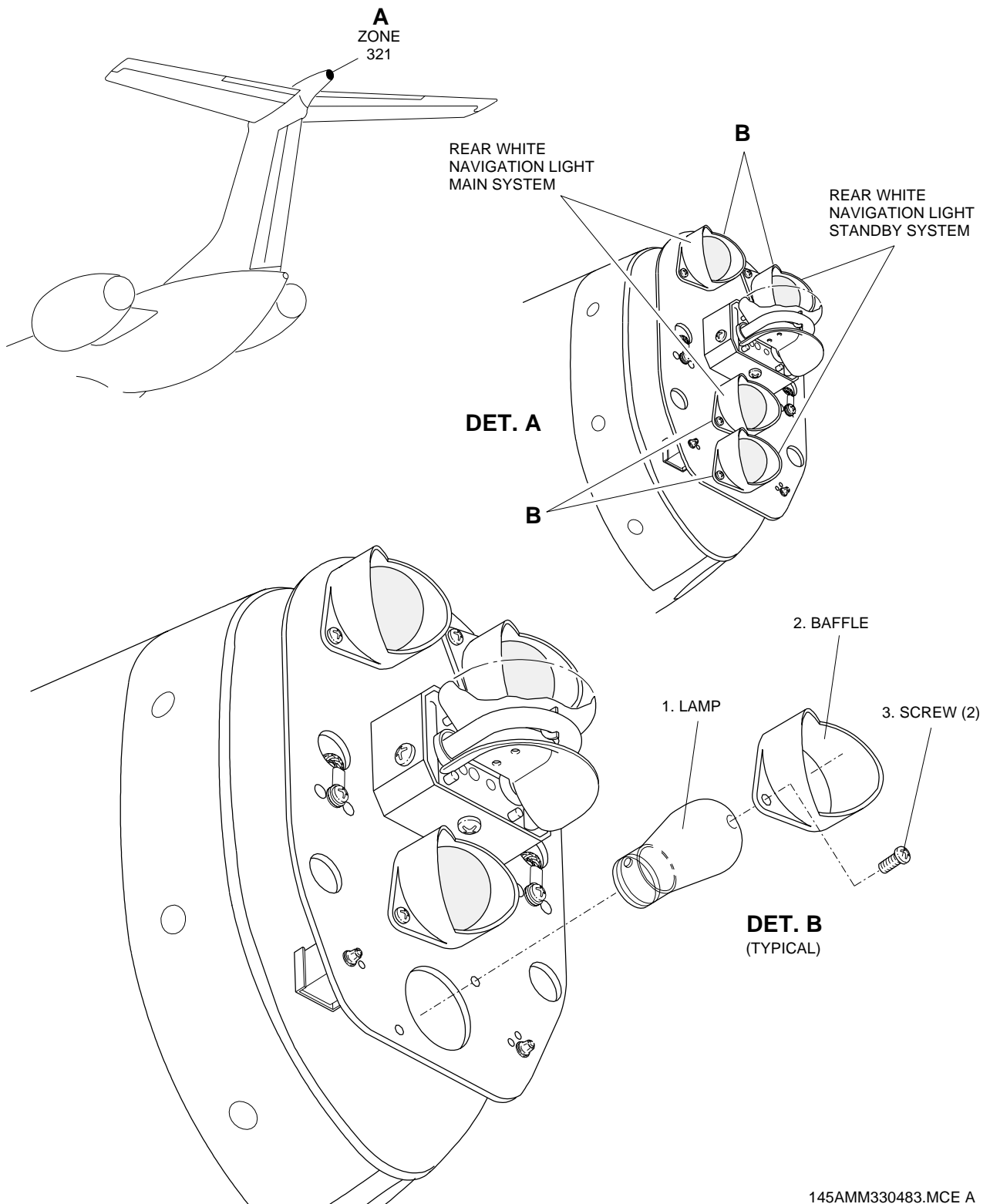


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EFFECTIVITY: FOR AIRCRAFT WITH STANDBY TAIL NAVIGATION LIGHTS

Main/Standby Rear Navigation Light Lamps - Removal/Installation

Figure 402



145AMM330483.MCE A

TASK 33-43-05-400-801-A

EFFECTIVITY: ALL

### 3. MAIN/STANDBY REAR NAVIGATION LIGHT LAMPS - INSTALLATION

#### A. General

(1) This procedure gives the instructions to install the main/standby rear navigation light lamps.

#### B. References

| REFERENCE                                       | DESIGNATION                          |
|---|--------------------------------------|
| <a href="#">AMM TASK 33-43-00-700-801-A/500</a> | NAVIGATION LIGHTS - OPERATIONAL TEST |
| <a href="#">AMM TASK 55-36-01-400-801-A/400</a> | TAIL-BOOM LIGHT LENS - 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 | Tail boom |

#### I. Installation

##### *SUBTASK 420-002-A*

- (1) For aircraft without standby tail navigation lights, install main rear navigation light lamps as follows (Figure 401):
  - (a) Install the lamp (1).
  - (b) Install the lens (2).
  - (c) Install the lens retainer (3).
  - (d) Tighten the two washers (4).
- (2) For aircraft with standby tail navigation lights, install main/standby rear navigation light lamps as follows (Figure 402):

**CAUTION:** DO NOT TOUCH THE LAMP DIRECTLY WITH FINGER TIP. THIS WILL DAMAGE THE LAMP. REMOVE GREASE OR FINGERPRINTS WITH A CLEANING CLOTH SOAKED IN CORRECT DEGREASER.

- (a) Put the lamp in its installation position.
- (b) Carefully push the lamp (1) and turn it clockwise to lock it.
- (c) Install the baffle (2).
- (d) Tighten the two washers (3).

J. Follow-on

*SUBTASK 842-002-A*

- (1) Remove the DO-NOT-OPERATE tag from the NAV switch.
- (2) Do the operational test of the main/standby rear navigation lights installed ( [AMM TASK 33-43-00-700-801-A/500](#)).
- (3) Install the tail boom lens ( [AMM TASK 55-36-01-400-801-A/400](#)).

TASK 33-43-05-000-802-A

EFFECTIVITY: ALL

#### 4. MAIN/STANDBY REAR NAVIGATION LIGHT ASSEMBLIES - REMOVAL

##### A. General

- (1) This procedure gives the instructions to remove the main/standby rear navigation light assemblies.
- (2) The main/standby rear navigation light assemblies are installed in the tail boom.

##### B. References

| REFERENCE                                       | DESIGNATION                    |
|---|--------------------------------|
| <a href="#">AMM TASK 55-36-01-000-801-A/400</a> | TAIL-BOOM LIGHT LENS - 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 | Tail boom |

##### I. Preparation

###### *SUBTASK 841-003-A*

- (1) Make sure that the aircraft is safe for maintenance.
- (2) Make sure that the NAV switch, on the overhead panel, is set to the OFF position.
- (3) Put a DO-NOT-OPERATE tag on the NAV switch.
- (4) Remove the tail-boom light lens ( [AMM TASK 55-36-01-000-801-A/400](#) ).

##### J. Removal ([Figure 403](#)) ([Figure 404](#)) ([Figure 405](#))

###### *SUBTASK 020-003-A*

- (1) For aircraft without standby tail navigation lights, remove the main rear navigation light assemblies as follows ([Figure 403](#)):

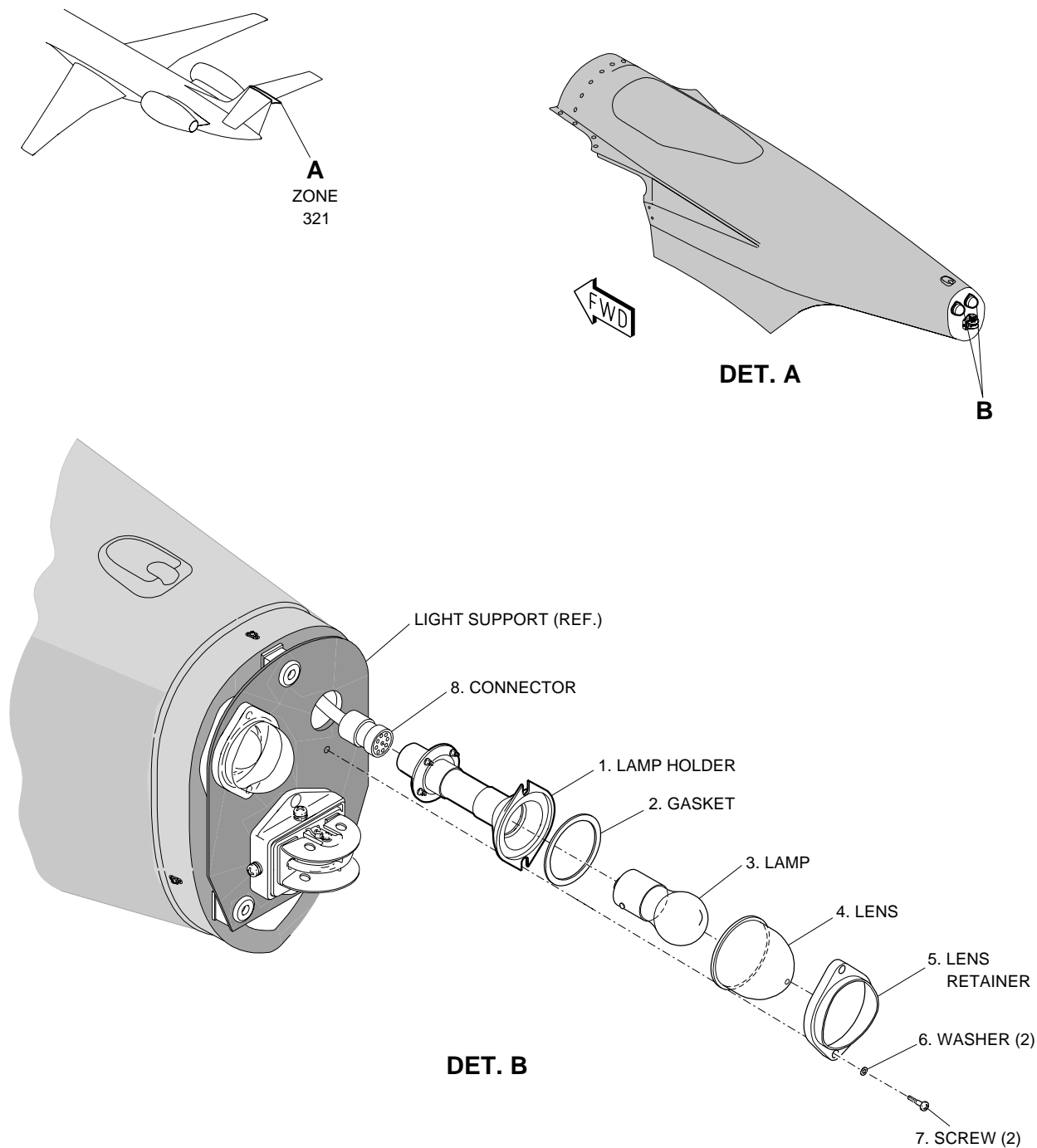


- (a) Remove the screws (7) and washers (6) that attach both lens retainer (5) and lamp holder (1) to the light support.
  - (b) Remove the lens retainer (5) and the lens (4).
  - (c) Hold the lamp holder (1), then carefully push the lamp (3) and turn it counterclockwise to remove it.
  - (d) Remove the lamp (3).
  - (e) Pull out the lamp holder (1), remove the gasket (2) and disconnect the electrical connector (8).
  - (f) Remove the lamp holder (1).
  - (g) Install the protective cap on the disconnected electrical connector.
- (2) For aircraft with standby tail navigation lights, remove the main/standby rear navigation light assemblies as follows (Figure 404) (Figure 405):
  - (a) Loosen the nuts (3) and washers (2) that attach the light support (1) to the tail boom.
  - (b) Carefully pull out the light support (1) from the tail boom.
  - (c) Remove the screws (11) and the washers (10) to disconnect the electrical wire (9) from the lamp holder (7).
  - (d) Loosen the screws (6) and nuts (8) that attach both deflector (4) and lamp holder (7) to the light support (1).
  - (e) Remove the deflector (4).
  - (f) Hold the lamp holder (7), then carefully push the lamp (5) and turn it counterclockwise remove it.
  - (g) Remove the lamp (5) and the lamp holder (7).

EFFECTIVITY: FOR AIRCRAFT WITHOUT STANDBY TAIL NAVIGATION LIGHT ASSEMBLIES

Main Rear Navigation Light Assemblies - Removal/Installation

Figure 403

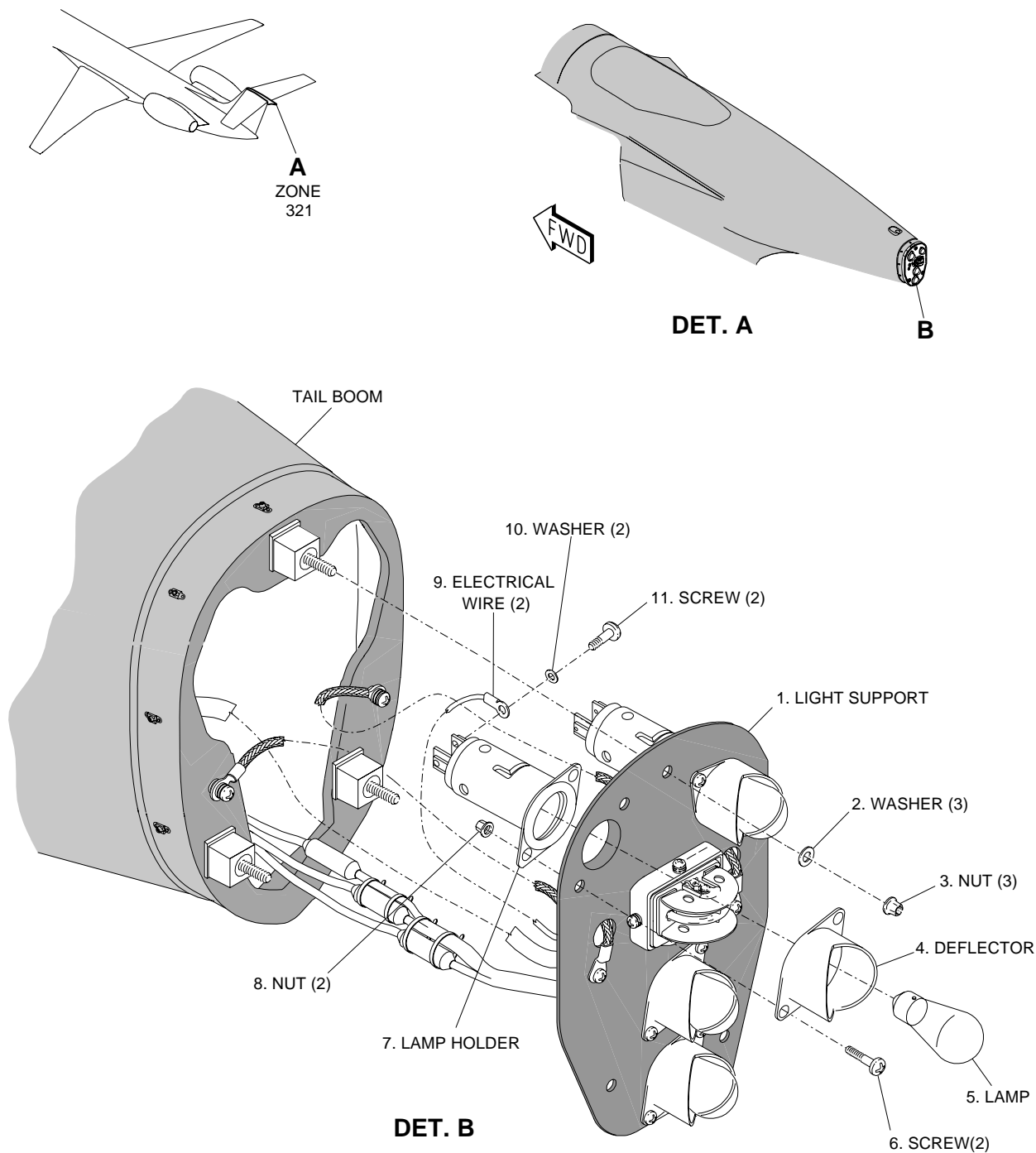


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EFFECTIVITY: FOR AIRCRAFT WITH STANDBY TAIL NAVIGATION LIGHT ASSEMBLIES AND/OR PRE-MOD SB145-55-0030

Main/Standby Rear Navigation Light Assemblies - Removal/Installation

Figure 404

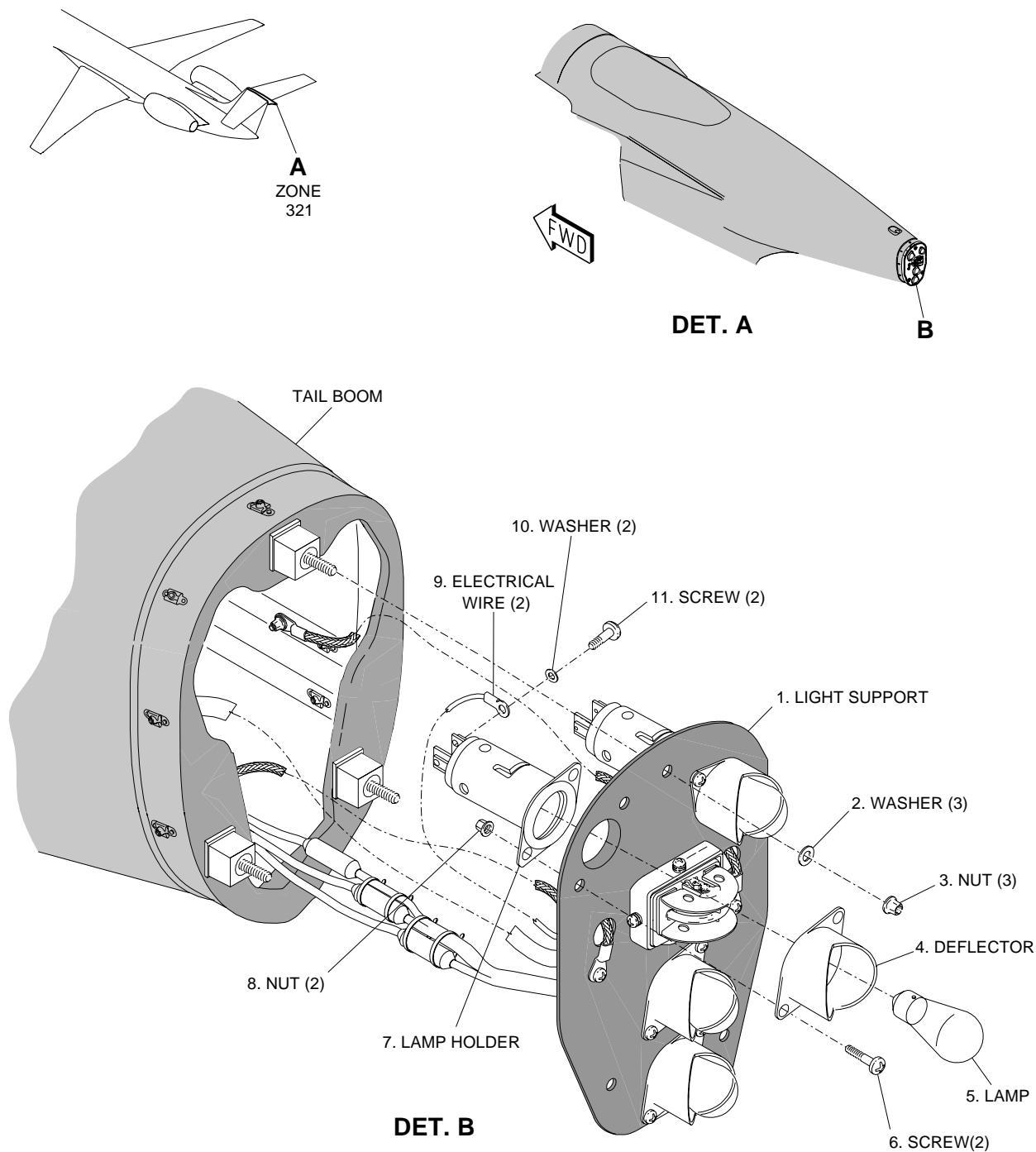


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EFFECTIVITY: FOR AIRCRAFT WITH STANDBY TAIL NAVIGATION LIGHT ASSEMBLIES AND/OR  
POST-MOD SB145-55-0030

Main/Standby Rear Navigation Light Assemblies - Removal/Installation

Figure 405



EM145AMM330964A.DGN

TASK 33-43-05-400-802-A

EFFECTIVITY: ALL

5. MAIN/STANDBY REAR NAVIGATION LIGHT ASSEMBLIES - INSTALLATION

A. General

- (1) This procedure gives the instructions to install the main/standby rear navigation light assemblies.
- (2) The main/standby rear navigation light assemblies are installed in the tail boom.

B. References

| REFERENCE                                       | DESIGNATION                          |
|---|--------------------------------------|
| <a href="#">AMM TASK 33-43-00-700-801-A/500</a> | NAVIGATION LIGHTS - OPERATIONAL TEST |
| <a href="#">AMM TASK 55-36-01-400-801-A/400</a> | TAIL-BOOM LIGHT LENS - 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 | Tail boom |

I. Installation (Figure 403) (Figure 404) (Figure 405)

**SUBTASK 420-003-A**

**CAUTION:** DO NOT TOUCH THE LAMP DIRECTLY WITH FINGER TIP. THIS WILL DAMAGE THE LAMP. REMOVE GREASE OR FINGERPRINTS WITH A CLEANING CLOTH SOAKED IN CORRECT DEGREASER.

- (1) For aircraft without standby tail navigation lights, install main rear navigation light assemblies as follows (Figure 403):
  - (a) Remove the protective cap from the electrical connector.
  - (b) Connect the electrical connector (8) to the lamp holder (1) and install the gasket (2).

- (c) Hold the lamp holder (1), and carefully push the lamp (3) and turn it clockwise to lock it.
  - (d) Put the lamp holder (1), the lens (4) and the lens retainer (5) on their installation position in the light support.
  - (e) Install the washers (6) and tighten the screws (7) that attach both lens retainer (5) and lamp holder (1) to the light support.
- (2) For aircraft with standby tail navigation lights, install main/standby rear navigation light assemblies as follows (Figure 404) (Figure 405):
- (a) Hold the lamp holder (7) on its installation position and carefully push the lamp (5) and turn it clockwise to lock it.
  - (b) Put the the lamp holder (7) and the deflector (4) on their installation position in the light support (1).
  - (c) Install the screws (6) and nuts (8) that attach both lamp holder (7) and deflector (4) to the light support (1).
  - (d) Install the washers (10) and tighten the screws (11) that attach the electrical wires (9) to the lamp holder (7).
  - (e) Put the light support (1) on its installation position in the tail boom.
  - (f) Install the washers (2) and tighten the nuts (3) that attach the light support (1) to the tail boom.

**J. Follow-on**

***SUBTASK 842-003-A***

- (1) Remove the DO-NOT-OPERATE tag from the NAV switch.
- (2) Do the operational test of the main/standby rear navigation lights installed ( [AMM TASK 33-43-00-700-801-A/500](#)).
- (3) Install the tail-boom light lens ( [AMM TASK 55-36-01-400-801-A/400](#)).