



AIRCRAFT
MAINTENANCE MANUAL

MAIN/STANDBY WING NAVIGATION LIGHTS - REMOVAL/INSTALLATION

EFFECTIVITY: ALL

1. General

- A. This section gives the procedures to remove and install the main/standby wing navigation lights.
- B. There are four main/standby wing navigation lights, installed two in each wing tip.
- 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
33-43-03-000-801-A	MAIN/STANDBY WING NAVIGATION LIGHT LAMPS - REMOVAL	ALL
33-43-03-400-801-A	MAIN/STANDBY WING NAVIGATION LIGHT LAMPS - INSTALLATION	ALL
33-43-03-000-802-A	MAIN/STANDBY WING NAVIGATION LIGHT ASSEMBLIES - REMOVAL	ALL
33-43-03-400-802-A	MAIN/STANDBY WING NAVIGATION LIGHT ASSEMBLIES - INSTALLATION	ALL



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TASK 33-43-03-000-801-A

EFFECTIVITY: ALL

2. MAIN/STANDBY WING NAVIGATION LIGHT LAMPS - REMOVAL

A. General

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

B. References

REFERENCE	DESIGNATION
AMM TASK 57-30-01-000-801-A/400	-

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
561	561AL	Wing tip
661	661AR	Wing tip

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

I. Preparation

SUBTASK 841-002-A

- (1) Make sure 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 wing tip lens (AMM TASK 57-30-01-000-801-A/400).

J. Removal ([Figure 401](#))

SUBTASK 020-002-A

- (1) Remove the lens retainer (1).
- (2) Remove the lens (3).



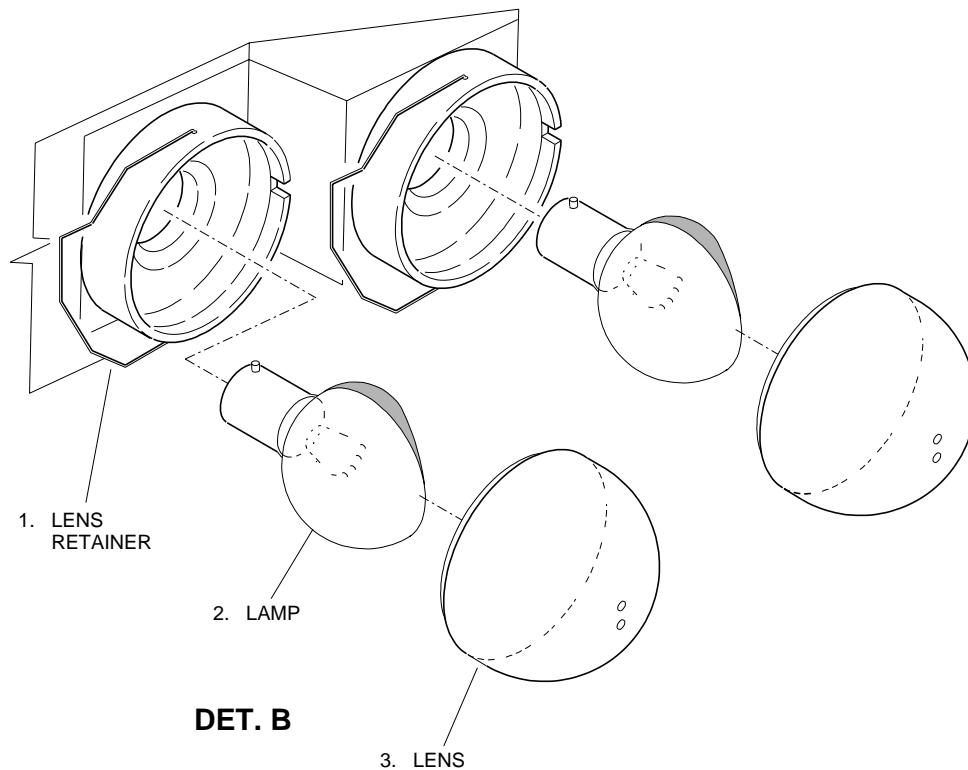
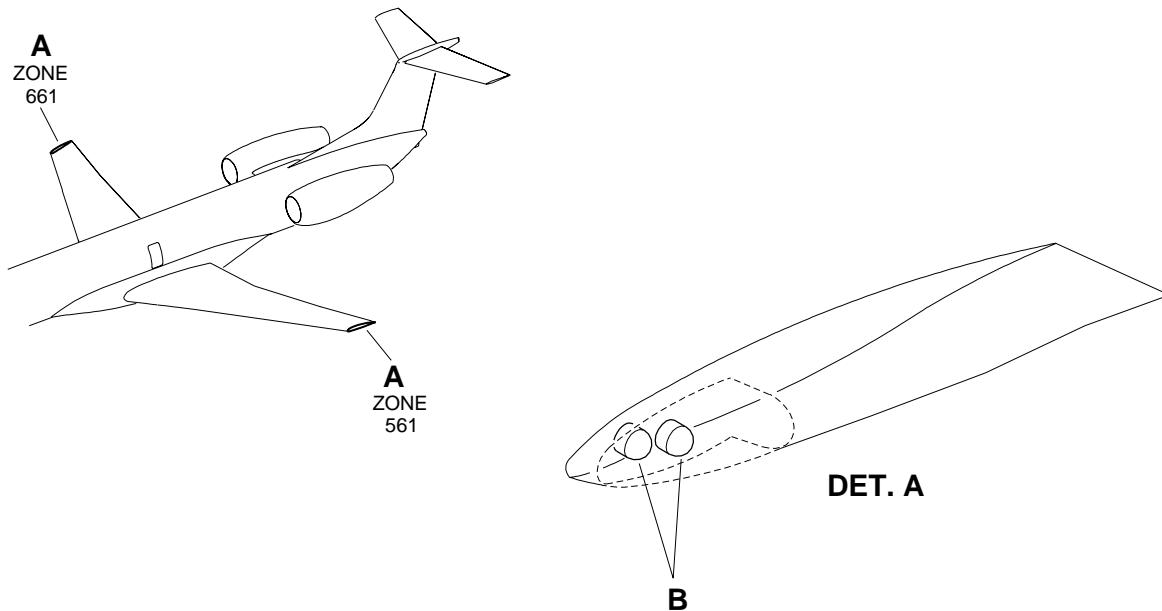
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-
- (3) Remove the lamp (2).

EFFECTIVITY: ALL

Main/Standby Wing Navigation Light Lamps - Removal/Installation

Figure 401



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TASK 33-43-03-400-801-A

EFFECTIVITY: ALL

3. MAIN/STANDBY WING NAVIGATION LIGHT LAMPS - INSTALLATION

A. General

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

B. References

REFERENCE	DESIGNATION
AMM TASK 33-43-00-700-801-A/500	NAVIGATION LIGHTS - OPERATIONAL TEST
AMM TASK 57-30-01-400-801-A/400	-

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
561	561AL	Wing tip
661	661AR	Wing tip

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

I. Installation (Figure 401)

SUBTASK 420-002-A

(1) Install the lamp (2).

(2) Install the lens (3).

(3) **NOTE:** The green lens are installed on the right wing and the red lens are installed on the left wing.

Install the lens retainer (1).



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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 wing navigation lights installed ([AMM TASK 33-43-00-700-801-A/500](#)).
- (3) Install the wing tip lens (AMM TASK 57-30-01-400-801-A/400).



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TASK 33-43-03-000-802-A

EFFECTIVITY: ALL

4. MAIN/STANDBY WING NAVIGATION LIGHT ASSEMBLIES - REMOVAL

A. General

- (1) This task gives the instructions to remove the main/standby wing navigation light assemblies.
- (2) This procedure is applicable to both main and standby wing navigation light assemblies.

B. References

REFERENCE	DESIGNATION
AMM TASK 33-43-03-000-801-A/400	MAIN/STANDBY WING NAVIGATION LIGHT LAMPS - REMOVAL
S.B.145-33-0036	-

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
561	561AL	Wing tip
661	661AR	Wing tip

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

I. Preparation

SUBTASK 841-003-A

- (1) Make sure that the aircraft is safe for maintenance.
- (2) Remove the navigation light lamps ([AMM TASK 33-43-03-000-801-A/400](#)).



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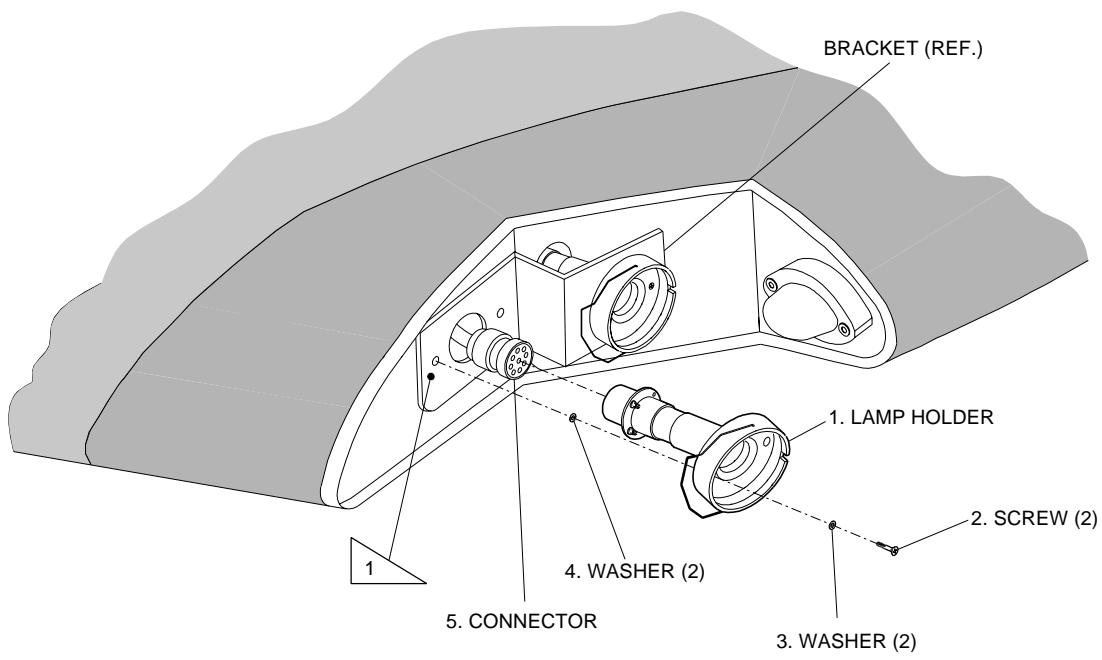
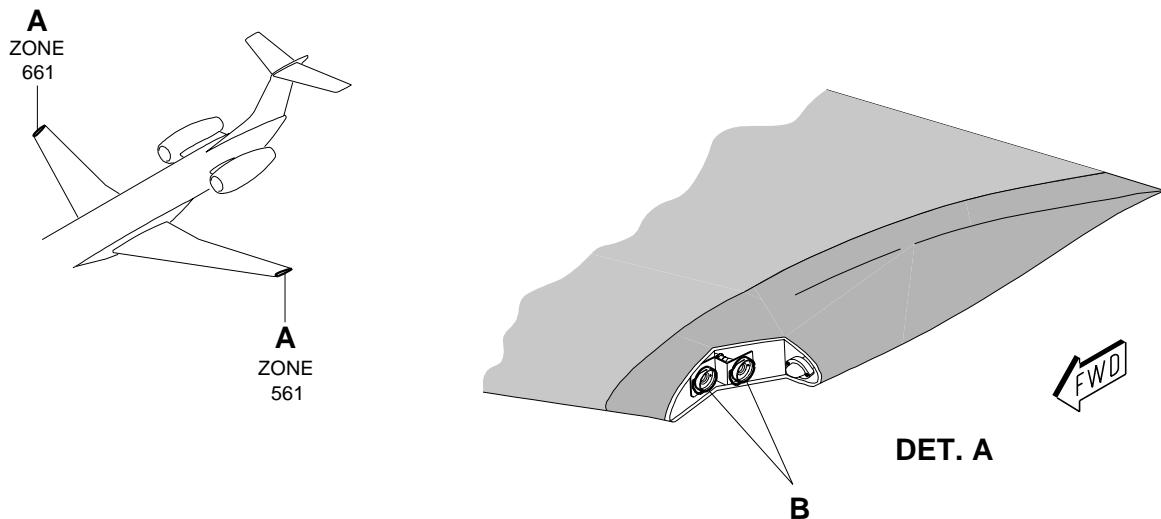
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J. Removal

SUBTASK 020-003-A

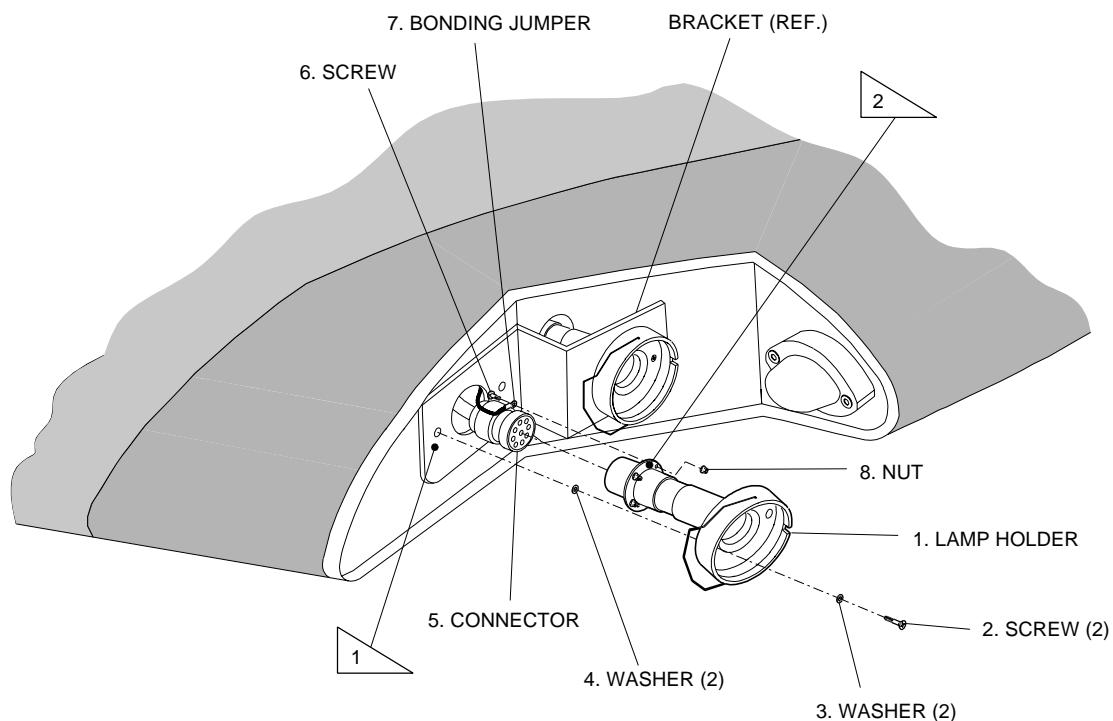
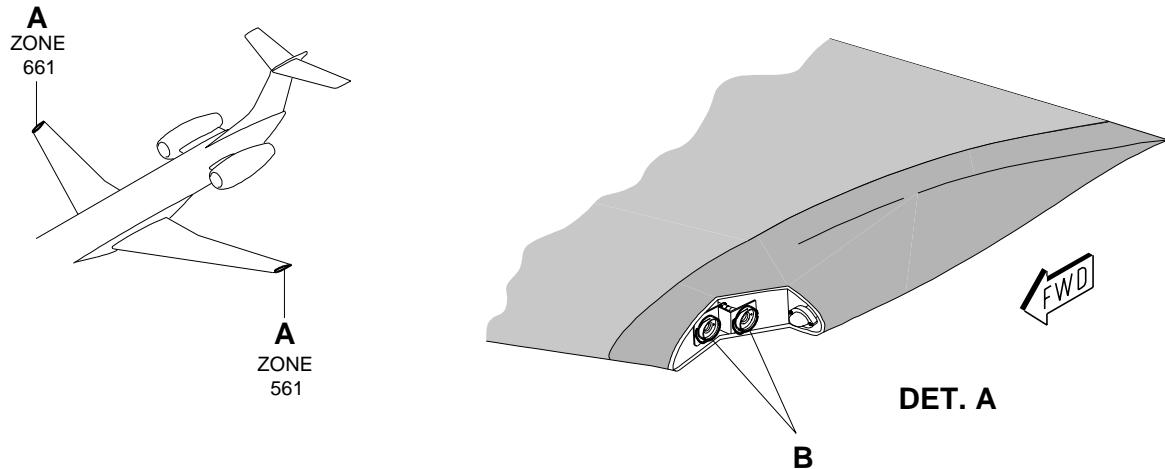
- (1) (For aircraft PRE-MOD. [S.B.145-33-0036](#)) Remove the main/standby wing navigation light assemblies as follows ([Figure 402](#)):
 - (a) Remove the screws (2), and the washers (3) and (4) that attach the lamp holder (1) to the bracket.
 - (b) Pull out the lamp holder (1) and disconnect the electrical connector (5).
 - (c) Remove the lamp holder (1).
 - (d) Install the protective cap on the disconnected electrical connector.
- (2) (For aircraft POST-MOD. [S.B.145-33-0036](#)) Remove the main/standby wing navigation light assemblies as follows ([Figure 403](#)):
 - (a) Remove the screws (2), and the washers (3) and (4) that attach the lamp holder (1) to the bracket.
 - (b) Pull out the lamp holder (1).
 - (c) Remove the screw (6) and nut (8), that attach the bonding jumper (7) to the lamp holder (1).
 - (d) Disconnect the electrical connector (5) and remove the lamp holder (1).
 - (e) Install the protective cap on the disconnected electrical connector.

EFFECTIVITY: FOR AIRCRAFT PRE-MOD. S.B. 145-33-0036
 Main/Standby Wing Navigation Light Assemblies - Removal/Installation
 Figure 402


DET. B

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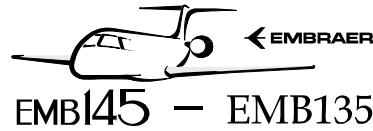
EFFECTIVITY: FOR AIRCRAFT POST-MOD. S.B. 145-33-0036
Main/Standby Wing Navigation Light Assemblies - Removal/Installation
Figure 403


DET. B

1 ELECTRICAL BONDING, METHOD 3

2 ELECTRICAL BONDING, METHOD 7

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TASK 33-43-03-400-802-A

EFFECTIVITY: ALL

5. MAIN/STANDBY WING NAVIGATION LIGHT ASSEMBLIES - INSTALLATION

A. General

- (1) This procedure gives the instructions to install the main/standby wing navigation light assemblies.
- (2) This procedure is applicable both main and standby wing navigation light assemblies.

B. References

REFERENCE	DESIGNATION
AMM TASK 20-13-21-700-801-A/200	ELECTRICAL BONDING TEST - STANDARD PROCEDURES
AMM TASK 20-13-21-910-801-A/200	TYPES OF ELECTRICAL BONDING AND SURFACE PREPARATION - STANDARD PROCEDURES
AMM TASK 20-13-21-910-802-A/200	ELECTRICAL BONDING PROTECTION - STANDARD PROCEDURES
AMM TASK 33-43-03-400-801-A/400	MAIN/STANDBY WING NAVIGATION LIGHT LAMPS - INSTALLATION
S.B.145-33-0036	-

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
561	561AL	Wing tip
661	661AR	Wing tip

D. Tools and Equipment

Not Applicable

E. Auxiliary Items

Not Applicable

F. Consumable Materials

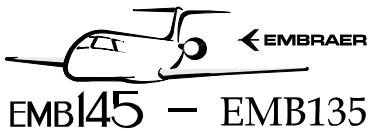
Not Applicable

G. Expandable Parts

Not Applicable

H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	At the left and right wing tips



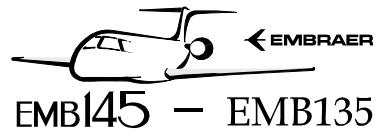
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I. Installation

SUBTASK 420-003-A

- (1) (For aircraft PRE-MOD. [S.B.145-33-0036](#)) Install the main/standby wing navigation light assemblies as follows (Figure 402):
 - (a) Do the bonding procedure, method 3 ([AMM TASK 20-13-21-910-801-A/200](#)) to install the lamp holder (1) on the bracket.
 - (b) Remove the protective cap from the disconnected electrical connector.
 - (c) Connect the electrical connector (5) to the lamp holder (1).
 - (d) Put the lamp holder (1) on its installation position.
 - (e) Install the screws (2), and the washers (3) and (4) that attach the lamp holder (1) to the bracket.
 - (f) Do the bonding test ([AMM TASK 20-13-21-700-801-A/200](#)) on the lamp holder (1).
 - (g) Do the bonding protection ([AMM TASK 20-13-21-910-802-A/200](#)) on the hardware that attach the lamp holder (1) to the bracket.
- (2) (For aircraft POST-MOD. [S.B.145-33-0036](#)) Install the main/standby wing navigation light assemblies as follows (Figure 403):
 - (a) Do the bonding procedure, method 7, ([AMM TASK 20-13-21-910-801-A/200](#)) to install the bonding jumper (7) on the lamp holder (1).
 - (b) Put the bonding jumper (7) on its installation position and install the screw (6) and the nut (8) that attach it to the lamp holder (1).
 - (c) Do the bonding test ([AMM TASK 20-13-21-700-801-A/200](#)) on the lamp holder (1).
 - (d) Do the bonding protection ([AMM TASK 20-13-21-910-802-A/200](#)) on the hardware that attach the bonding jumper (7) to the lamp holder (1).
 - (e) Do the bonding procedure, method 3 ([AMM TASK 20-13-21-910-801-A/200](#)) to install the lamp holder (1) on the bracket.
 - (f) Remove the protective cap from the disconnected electrical connector.
 - (g) Connect the electrical connector (5) to the lamp holder (1).
 - (h) Put the lamp holder (1) on its installation position.
 - (i) Install the screws (2), and the washers (3) and (4) that attach the lamp holder (1) to bracket.
 - (j) Do the bonding test ([AMM TASK 20-13-21-700-801-A/200](#)) on the lamp holder (1).
 - (k) Do the bonding protection ([AMM TASK 20-13-21-910-802-A/200](#)) on the hardware that attach the lamp holder (1) to the bracket (REF.).



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J. Follow-on

SUBTASK 842-003-A

- (1) Install the navigation light lamps ([AMM TASK 33-43-03-400-801-A/400](#)).

