



## AIRCRAFT MAINTENANCE MANUAL

### INSPECTION LIGHTS - REMOVAL/INSTALLATION

EFFECTIVITY: ALL

#### 1. General

- A. This section gives the procedures to remove and install the Inspection Lights.
- B. There are two Inspection Lights, one on each side of the fairing. The Inspection Lights are used to examine the leading edge of the wings.
- 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 |
|--------------------|----------------------------------|-------------|
| 33-44-02-000-801-A | INSPECTION LIGHTS - REMOVAL      | ALL         |
| 33-44-02-400-801-A | INSPECTION LIGHTS - INSTALLATION | ALL         |



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TASK 33-44-02-000-801-A

EFFECTIVITY: ALL

2. INSPECTION LIGHTS - REMOVAL

A. General

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

B. References

| REFERENCE    | DESIGNATION |
|--------------|-------------|
| SRM 51-20-01 | -           |

C. Zones and Accesses

| ZONE | PANEL/DOOR | LOCATION  |
|------|------------|-----------|
| 191  | 191CL      | Wing stub |
| 191  | 191DR      | Wing stub |

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 wing stub, on the LH and RH sides |

I. Preparation

SUBTASK 841-002-A

- (1) Make sure that the INSP switch, on the overhead panel, is in the OFF position.

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

SUBTASK 020-002-A

- (1) Remove the screws (3) and inserts (4) that attach the acrylic panel (1) to the fairing.

**CAUTION:** DO NOT USE METAL BRUSHES, METAL SCRAPERS, CHIPCHASERS, PICKS, SCREWDRIVERS, BLADES, STEEL WOOL OR ABRASIVES TO REMOVE SEALANTS AND PAINT. THESE TOOLS CAN CAUSE SCRATCHES AND CRACKS AND, AS A RESULT, SERIOUS DAMAGE TO THE AIRCRAFT CAN OCCUR.



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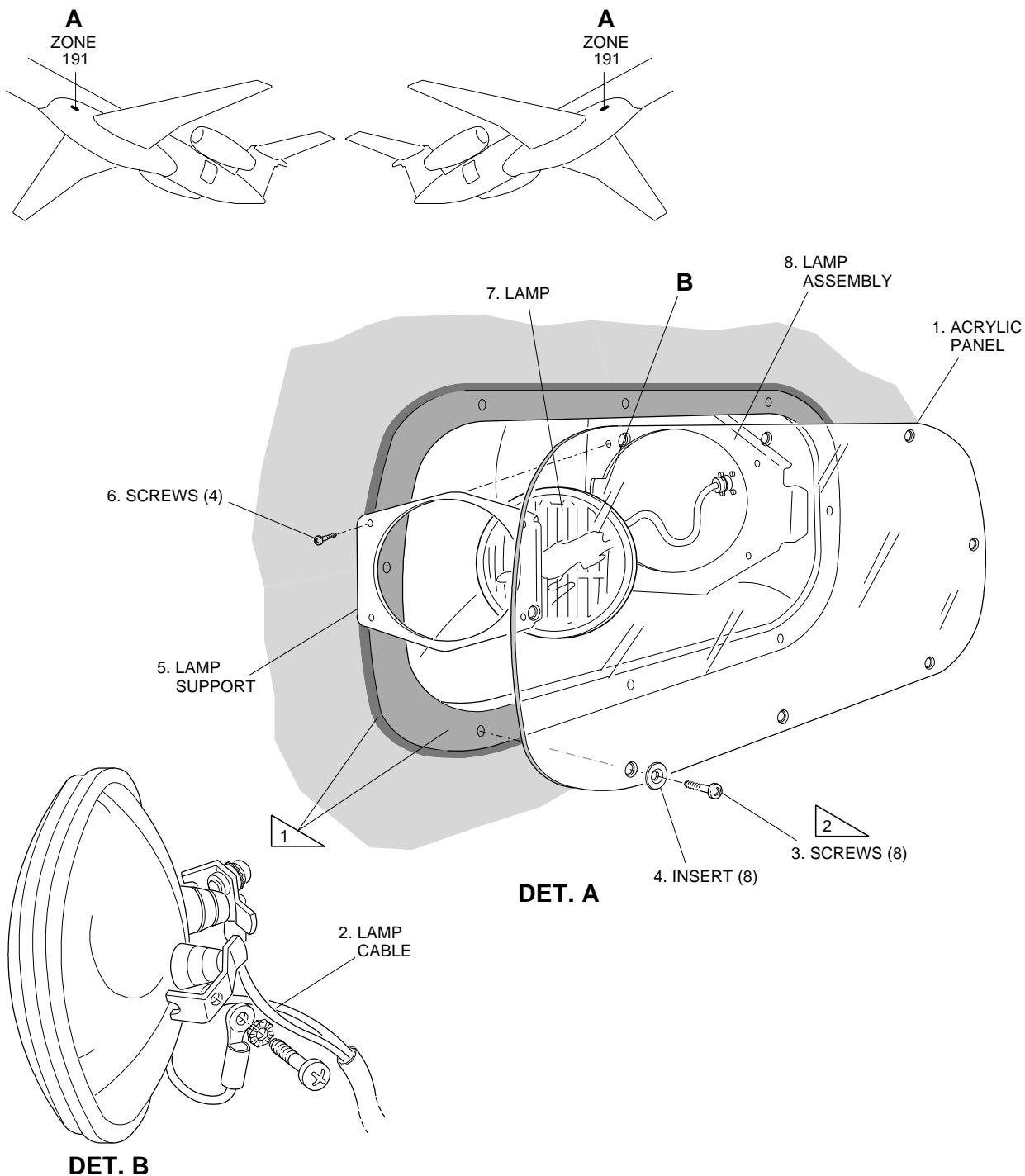
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- (2) Remove the aerodynamic sealant along the contour of the acrylic panel (1). Use a polyethylene spatula, if necessary. Refer to (SRM 51-20-01).
- (3) Remove the acrylic panel (1).
- (4) Remove the screws (6) of the lamp support (5).
- (5) Remove the lamp support (5).
- (6) On the lamp, disconnect the two wires of the lamp cable (2) from the lamp terminals.
- (7) Remove the lamp (7).

**EFFECTIVITY: ALL**

Inspection Lights - Removal/Installation

Figure 401



1 SEALANT PR – 1425 B2

2 TORQUE: 2.26 – N.m (20 – lb.in)

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TASK 33-44-02-400-801-A

EFFECTIVITY: ALL

3. INSPECTION LIGHTS - INSTALLATION

## A. General

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

## B. References

| REFERENCE                       | DESIGNATION                          |
|---------------------------------|--------------------------------------|
| AMM TASK 33-44-00-700-801-A/500 | INSPECTION LIGHTS - OPERATIONAL TEST |
| SRM 51-20-01                    | -                                    |

## C. Zones and Accesses

| ZONE | PANEL/DOOR | LOCATION  |
|------|------------|-----------|
| 191  | 191CL      | Wing stub |
| 191  | 191DR      | Wing stub |

## D. Tools and Equipment

Not Applicable

## E. Auxiliary Items

Not Applicable

## F. Consumable Materials

| SPECIFICATION<br>(BRAND) | DESCRIPTION         | QTY |
|--------------------------|---------------------|-----|
| MEP 09-037               | Sealant, PR-1425 B2 | AR  |

## G. Expandable Parts

Not Applicable

## H. Persons Recommended

| QTY | FUNCTION      | PLACE                                    |
|-----|---------------|--|
| 1   | Does the task | At the wing stub, on the LH and RH sides |

## I. Installation (Figure 401)

## SUBTASK 420-002-A

- (1) Connect the two wires of the lamp cable (2) on the lamp terminals.
- (2) Put the lamp (7) in position on the lamp assembly (8).
- (3) Install the lamp support (5) and make sure that the lamp (7) is correctly assembled.
- (4) Tighten the screws (6) of the lamp support (5).

- (5) Do a visual inspection around the old sealant in the area where you will install the acrylic panel (1).

**CAUTION:** DO NOT USE METAL BRUSHES, METAL SCRAPERS, CHIPCHASERS, PICKS, SCREWDRIVERS, BLADES, STEEL WOOL OR ABRASIVES TO REMOVE SEALANTS AND PAINT. THESE TOOLS CAN CAUSE SCRATCHES AND CRACKS AND, AS A RESULT, SERIOUS DAMAGE TO THE AIRCRAFT CAN OCCUR.

- (6) If the old sealant is damaged, remove the old sealant with a polyethylene spatula, be careful not to damage the surface, as necessary. Refer to SRM 51-20-01 item 10.
- (7) If the old sealant was removed, apply a thin layer of interface sealant (PR-1425 B2) to the area of the fairing that will be in contact with the acrylic panel (1). Refer to SRM 51-20-01.
- (8) Put the acrylic panel (1) in position.
- (9) Install the inserts (4) and the screws (3) to attach the acrylic panel (1) to the fairing.
- (10) Apply a fillet of aerodynamic sealant (PR-1425 B2) along the contour of the acrylic panel (1).

J. Follow-on

**SUBTASK 842-002-A**

- (1) Do the operational test of the inspection lights ( [AMM TASK 33-44-00-700-801-A/500](#)).