

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

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.

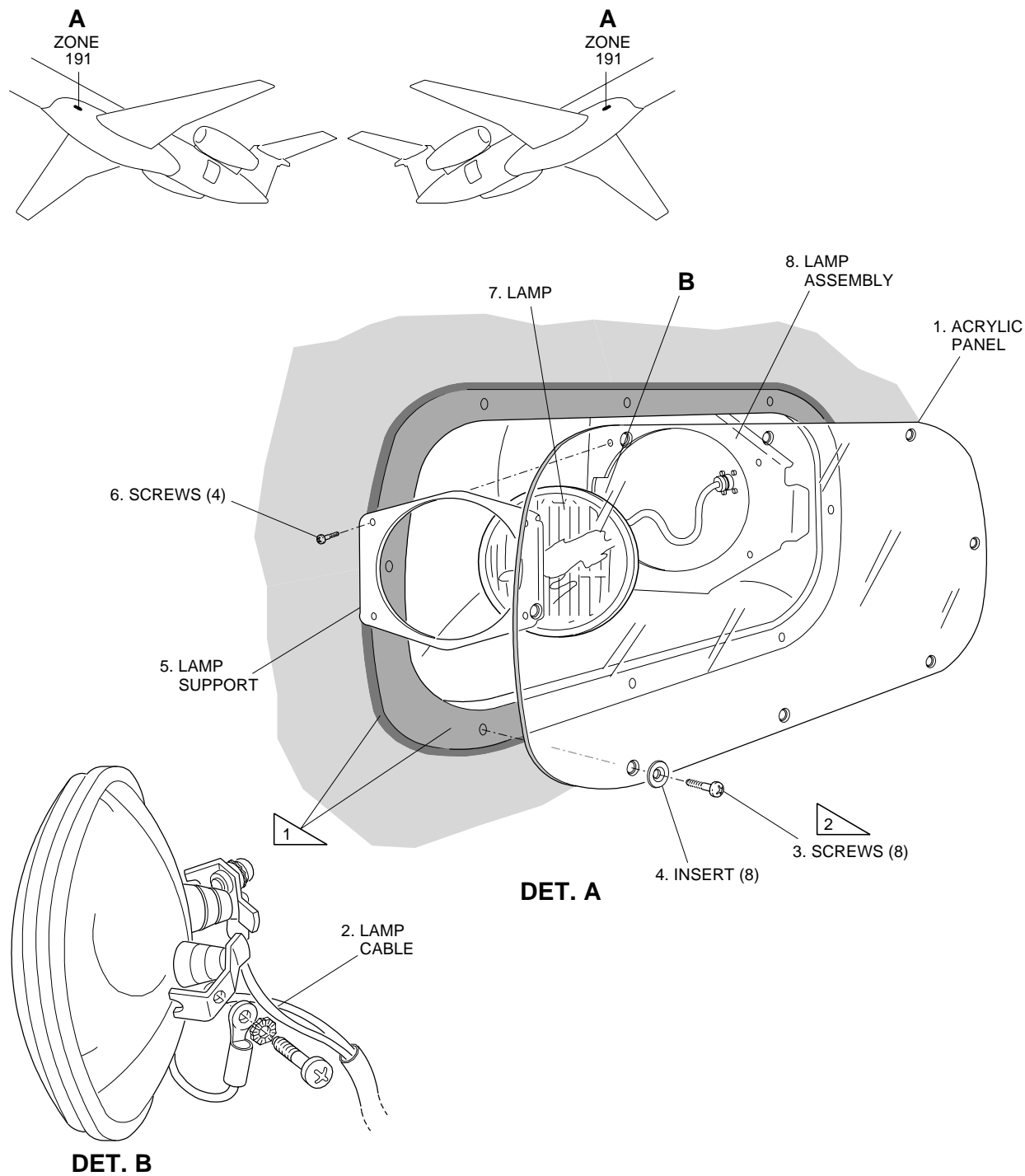
CAUTION: DO NOT USE METAL BRUSHES, METAL SCRAPERS, CHIPCHASERS, PICKS, SCREWDRIVERS, BLADES, STEEL WOOL OR ABRASIVES TO REMOVE SEALANTS AND PAINT. THESE TOOLS CAN CAUSE SCRATCHES AND CRACKS AND, AS A RESULT, SERIOUS DAMAGE TO THE AIRCRAFT CAN OCCUR.

- (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)

EM145AMM330098D.DGN

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 (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).

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- (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](#)).