

## LIGHTNING SENSOR ANTENNA - REMOVAL/INSTALLATION

*EFFECTIVITY: ALL*

1. General

- A. This section gives the procedures to remove the lightning sensor antenna.
- B. The lightning sensor antenna is the antenna of the lightning sensor system (LSS).
- 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
<a href="#">34-44-02-000-801-A</a>	LIGHTNING SENSOR ANTENNA - REMOVAL	AIRCRAFT WITH LSS
<a href="#">34-44-02-400-801-A</a>	LIGHTNING SENSOR ANTENNA - INSTALLATION	AIRCRAFT WITH LSS

TASK 34-44-02-000-801-A

*EFFECTIVITY: AIRCRAFT WITH LSS*

## 2. LIGHTNING SENSOR ANTENNA - REMOVAL

### A. General

(1) This task gives the procedures to remove the lightning sensor antenna.

### B. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
LH243 / RH244		Upper fuselage skin

### C. Tools and Equipment

Not Applicable

### D. Auxiliary Items

Not Applicable

### E. Consumable Materials

Not Applicable

### F. Expandable Parts

Not Applicable

### G. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	At the upper fuselage skin

### H. Preparation

*SUBTASK 841-002-A*

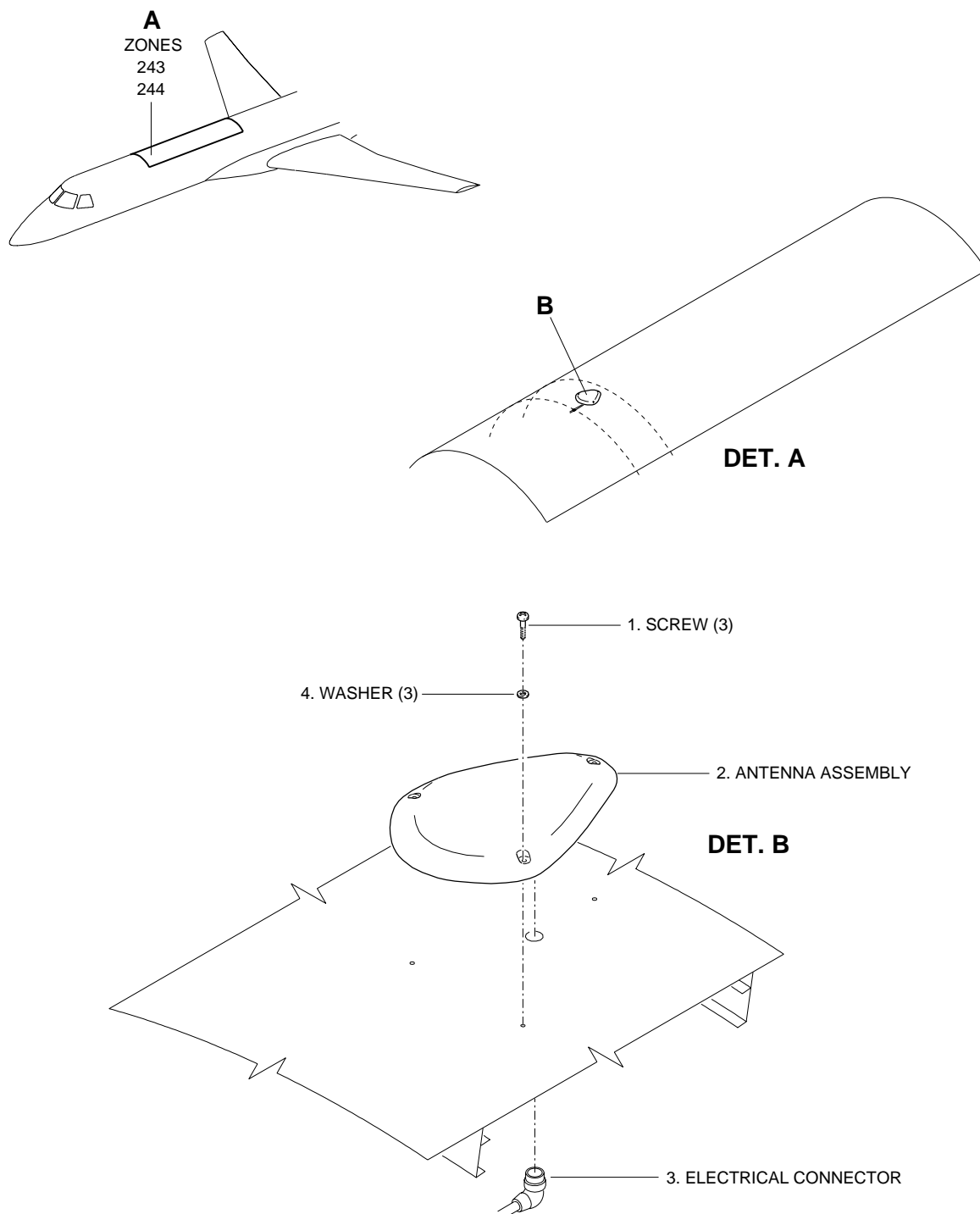
(1) On the circuit breaker panel, open the LSS circuit breaker and attach a DO-NOT-CLOSE tag to it.

### I. Removal [\(Figure 401\)](#)

*SUBTASK 020-002-A*

- (1) Carefully remove the sealant around the antenna assembly (2).
- (2) Remove the three screws (1) and the washers (4) that attach the antenna assembly (2) to the structure.
- (3) Carefully pull the antenna assembly (2) to get access to the electrical connector (3).
- (4) Disconnect the electrical connector (3) and remove the antenna assembly (2).

*EFFECTIVITY: AIRCRAFT WITH LSS*  
Lightning Sensor Antenna - Removal/Installation  
Figure 401



145AMM340273.MCE A

TASK 34-44-02-400-801-A

*EFFECTIVITY: AIRCRAFT WITH LSS*

### 3. LIGHTNING SENSOR ANTENNA - INSTALLATION

#### A. General

(1) This task gives the procedures to install the lightning sensor antenna.

#### B. References

REFERENCE	DESIGNATION
AMM TASK 20-11-01-910-801-A/200	ANTENNA SEALING
AMM TASK 34-44-00-700-801-A/500	LIGHTNING SENSOR SYSTEM (LSS) - OPERATION- AL TEST
SRM 145/1142 - Structural Repair Manual - Chapter 51-20-01 - Structure	-

#### C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
LH243 / RH244		Upper fuselage skin

#### D. Tools and Equipment

Not Applicable

#### E. Auxiliary Items

Not Applicable

#### F. Consumable Materials

SPECIFICATION (BRAND)	DESCRIPTION	QTY
P/N 780 - WHITE	Sealant	AR
P/N PR1440B2	Sealant	AR

#### G. Expandable Parts

Not Applicable

#### H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	At the upper fuselage skin

#### I. Installation (Figure 401)

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

- (1) Connect the electrical connector (3) to the antenna assembly (2) connector.
- (2) Put the antenna assembly (2) in position and install the screws (1) and washers (4).
- (3) Tighten the three screws (1).

- (4) Apply sealant P/N 780 WHITE along the contour of the antenna assembly (2) and around the antenna fasteners ([AMM TASK 20-11-01-910-801-A/200](#)).
- (5) Apply sealant P/N PR 1440B2 along the contour of the antenna electrical connector (SRM 145/1142 - Structural Repair Manual - Chapter 51-20-01 - Structure).

J. Follow-on

*SUBTASK 842-002-A*

- (1) Remove the DO-NOT-CLOSE tag from the LSS circuit breaker and close the circuit breaker.
- (2) Do the operational test of the Lightning Sensor System (LSS) ( [AMM TASK 34-44-00-700-801-A/500](#)).

