



## AIRCRAFT MAINTENANCE MANUAL

### 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
34-44-02-000-801-A	LIGHTNING SENSOR ANTENNA - RE- MOVAL	AIRCRAFT WITH LSS
34-44-02-400-801-A	LIGHTNING SENSOR ANTENNA - IN- STALLATION	AIRCRAFT WITH LSS



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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

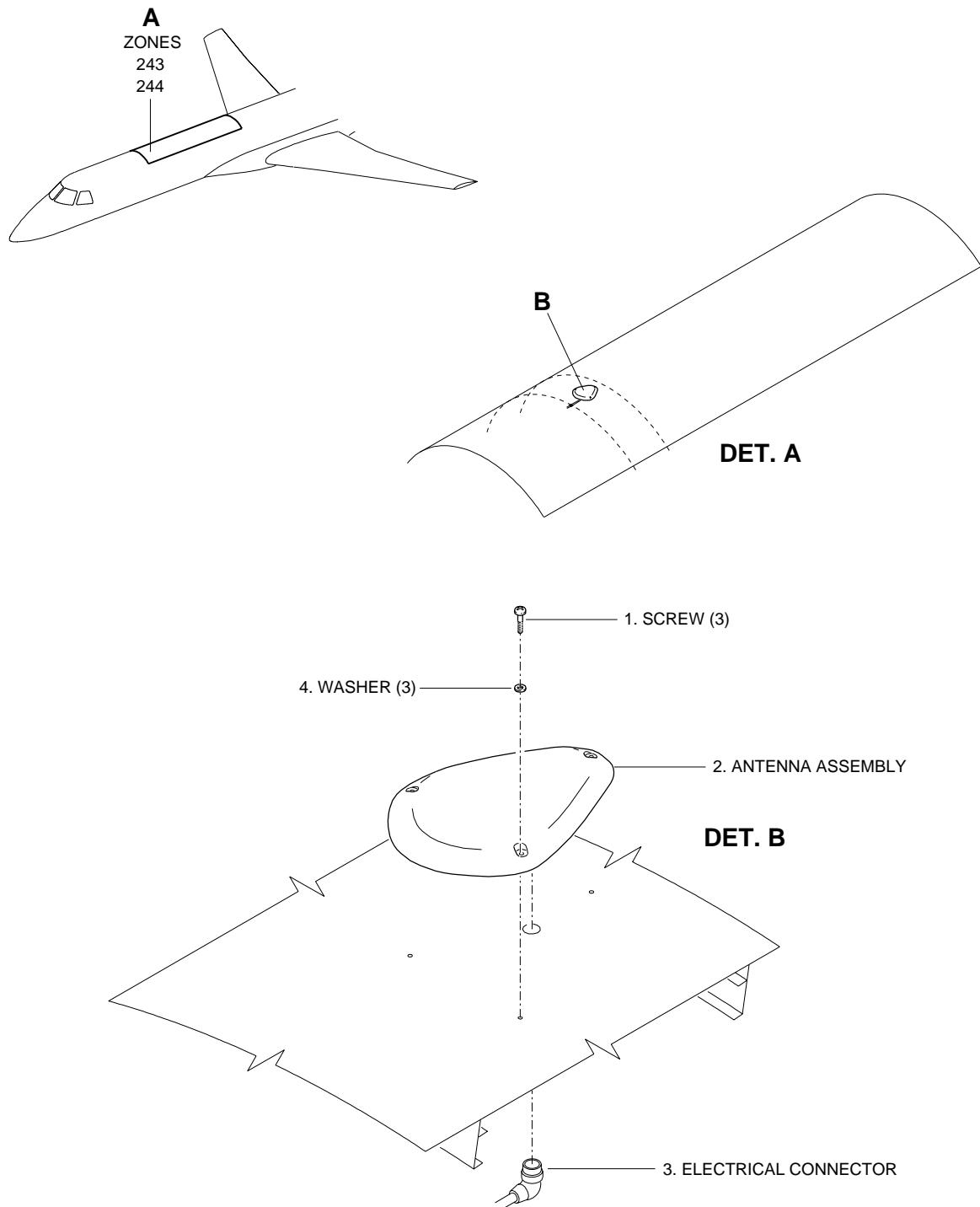
- (1) On the circuit breaker panel, open the LSS circuit breaker and attach a DO-NOT-CLOSE tag to it.

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

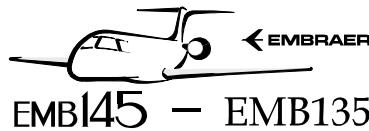
SUBTASK 020-002-A

- (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



EMB145 - EMB135

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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) - OPERATIONAL 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).



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- (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](#)).

