



AIRCRAFT
MAINTENANCE MANUAL

LIGHTNING SENSOR PROCESSOR - REMOVAL/INSTALLATION

EFFECTIVITY: ALL

1. General

- A. This section gives the procedures to remove the lightning sensor processor.
- B. The lightning sensor processor is the processor 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
34-44-01-000-801-A	LIGHTNING SENSOR PROCESSOR - RE- MOVAL	AIRCRAFT WITH LSS
34-44-01-400-801-A	LIGHTNING SENSOR PROCESSOR - IN- STALLATION	AIRCRAFT WITH LSS



EMB145 – EMB135

AIRCRAFT
MAINTENANCE MANUAL

TASK 34-44-01-000-801-A

EFFECTIVITY: AIRCRAFT WITH LSS

2. LIGHTNING SENSOR PROCESSOR - REMOVAL

A. General

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

B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-01/100	-
AMM TASK 32-00-01-910-801-A/200	LG SAFETY PIN - INSTALLATION AND REMOVAL

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
214/213	113CZ	Forward electronic compartment

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	Forward electronic compartment

I. 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.
- (2) Install landing gear safety pin ([AMM TASK 32-00-01-910-801-A/200](#)).
- (3) Open the 113CZ access door (AMM MPP 06-41-01/100).

J. Removal (Figure 401)

SUBTASK 020-002-A

- (1) Release the knurled nut (2) that attach the Lightning Sensor Processor (1) to the mounting rack (4).

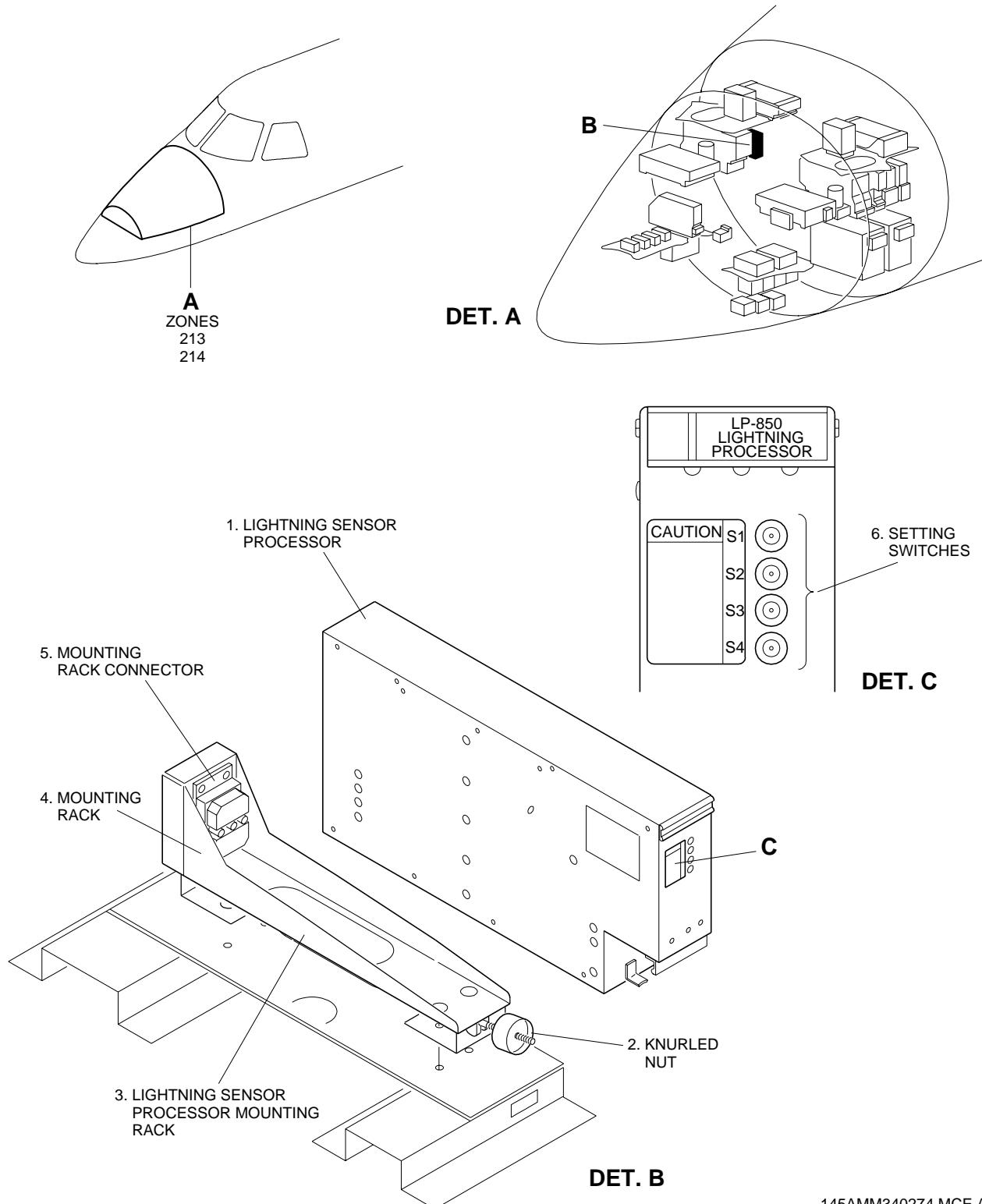


AIRCRAFT
MAINTENANCE MANUAL

- (2) Pull the Lightning Sensor Processor (1) until it is disconnected from the mounting rack connector (5).
- (3) Remove the Lightning Sensor Processor (1) from the mounting rack (4).

EFFECTIVITY: AIRCRAFT WITH LSS

Lightning Sensor Processor - Removal/Installation
Figure 401





EMB145 - EMB135

AIRCRAFT
MAINTENANCE MANUAL

TASK 34-44-01-400-801-A

EFFECTIVITY: AIRCRAFT WITH LSS

3. LIGHTNING SENSOR PROCESSOR - INSTALLATION

A. General

- (1) This task gives the procedures to install the Lightning Sensor Processor.

B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-01/100	-
AMM TASK 32-00-01-910-801-A/200	LG SAFETY PIN - INSTALLATION AND REMOVAL
AMM TASK 34-44-00-700-801-A/500	LIGHTNING SENSOR SYSTEM (LSS) - OPERATIONAL TEST

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
213/214	113CZ	Forward electronic compartment

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	Forward electronic compartment

I. Installation (Figure 401)

SUBTASK 420-002-A

- (1) On the lightning sensor processor (1), make sure that the setting switches (6) are positions below:

- (a) S1: 3
- (b) S2: 8
- (c) S3: B
- (d) S4: 9



EMB145 - EMB135

AIRCRAFT
MAINTENANCE MANUAL

- (2) Install the lightning sensor processor (1) on the mounting rack (4).
- (3) Push the lightning sensor processor (1) until it is connected to the mounting rack connector (5).
- (4) Tighten the knurled nut (2) that attaches the lightning sensor processor (1) to the mounting rack (4).

J. Follow-on

SUBTASK 842-002-A

- (1) Close the 113CZ access door (AMM MPP 06-41-01/100).
- (2) Remove the landing gear safety pin ([AMM TASK 32-00-01-910-801-A/200](#)).
- (3) Remove the DO-NOT-CLOSE tag from the LSS circuit breaker and close the circuit breaker.
- (4) Do the operational test of the lightning sensor system (LSS) ([AMM TASK 34-44-00-700-801-A/500](#)).