



EMB145 - EMB135

AIRCRAFT
MAINTENANCE MANUAL

SMOKE DETECTOR SENSOR - REMOVAL/INSTALLATION

EFFECTIVITY: ALL

1. General

- A. This section gives the procedures to remove/install the lavatory smoke detector.
- B. The procedures in this section are given in the sequence below. The tasks identified with (♦) are part of the Scheduled Maintenance Requirements Document (SMRD).

| <i>TASK NUMBER</i> | <i>DESCRIPTION</i> | <i>EFFECTIVITY</i> |
|--------------------|---|--------------------|
| 26-14-01-000-801-A | LAVATORY SMOKE DETECTOR - RE- MOVAL | ALL |
| 26-14-01-400-801-A | LAVATORY SMOKE DETECTOR - IN- STALLATION | ALL |



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TASK 26-14-01-000-801-A

EFFECTIVITY: ALL

2. LAVATORY SMOKE DETECTOR - REMOVAL

A. General

- (1) This task gives the procedures for the removal of the lavatory smoke detector.

B. Zones and Accesses

Not Applicable

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 | Lavatory |

H. Preparation

SUBTASK 841-002-A

WARNING: MAKE SURE THAT THE AIRCRAFT IS IN A SAFE CONDITION BEFORE YOU DO THE MAINTENANCE PROCEDURES. THIS IS TO PREVENT INJURY TO PERSONS AND/OR DAMAGE TO THE EQUIPMENT.

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

I. Removal ([Figure 401](#)) ([Figure 402](#))

SUBTASK 020-002-A

EFFECTIVITY: PRE-MOD SB 145-26-0014

- (1) Remove the bolts [\(2\)](#) that attach the cover plate [\(13\)](#). Refer to [Figure 401](#).

- (2) Remove the smoke sensor [\(1\)](#). Refer to [Figure 401](#).

CAUTION: USE ONLY PROTECTIVE CAPS FOR THE PROTECTION OF CONNECTOR PINS OR SOCKETS IN ELECTRICAL CONNECTORS. OTHER MATERIALS CAN CAUSE DAMAGE TO THE CONNECTORS PINS OR SOCKETS, OR LET UNWANTED MATERIALS STAY IN THE CONNECTOR.

- (3) Disconnect the electrical connector [\(8\)](#) and put a protective cap on it. Refer to [Figure 401](#).



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- (4) Remove the screw (7), washer (6) and nut (4) from the bonding angle (5) and bonding jumper (REF.). Refer to DET. C. of [Figure 401](#).

SUBTASK 020-002-B

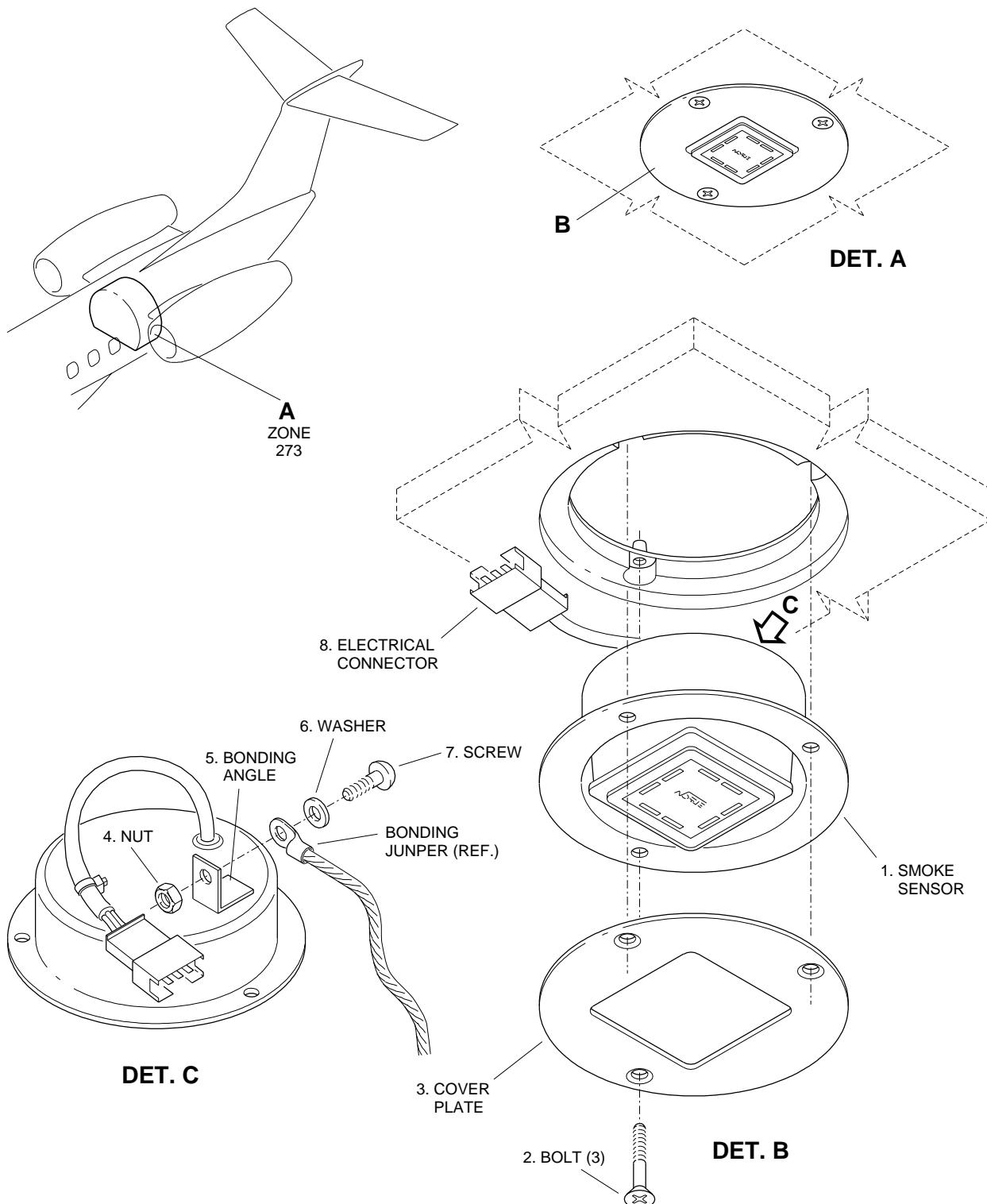
EFFECTIVITY: POST-MOD SB 145-26-0014

- (5) Remove the bolts (1) that attach the cover plate (2). Refer to [Figure 402](#).
- (6) Remove the smoke sensor (3). Refer to [Figure 402](#).

CAUTION: USE ONLY PROTECTIVE CAPS FOR THE PROTECTION OF CONNECTOR PINS OR SOCKETS IN ELECTRICAL CONNECTORS. OTHER MATERIALS CAN CAUSE DAMAGE TO THE CONNECTORS PINS OR SOCKETS, OR LET UNWANTED MATERIALS STAY IN THE CONNECTOR.

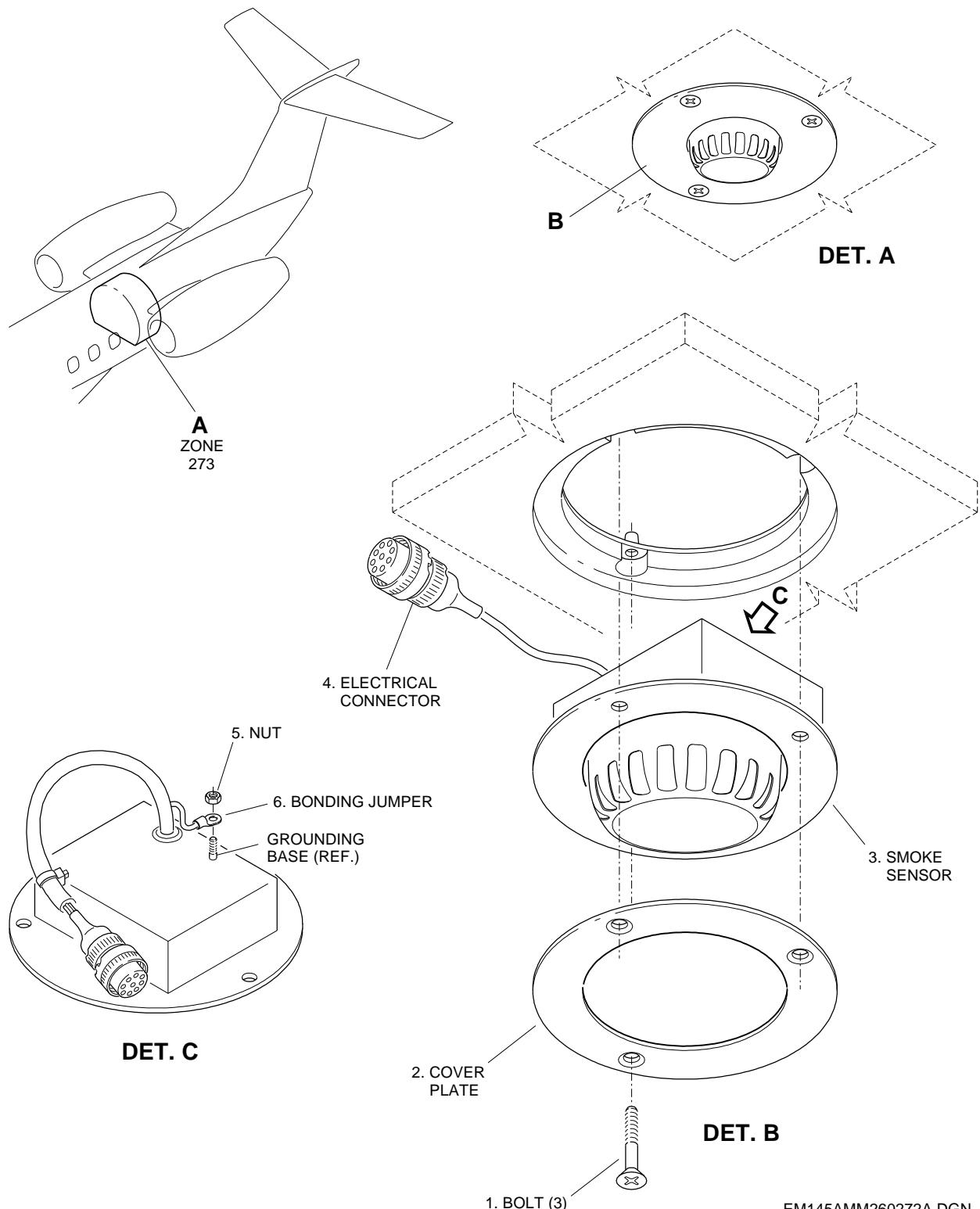
- (7) Disconnect the electrical connector (4) and put a protective cap on it. Refer to [Figure 402](#).

EFFECTIVITY: PRE-MOD SB 145-26-0014
Lavatory Smoke Detector - Removal/Installation
Figure 401



145AMM260100.MCE A

EFFECTIVITY: POST-MOD SB 145-26-0014
Lavatory Smoke Detector - Removal/Installation
Figure 402



EM145AMM260272A.DGN

TASK 26-14-01-400-801-A
EFFECTIVITY: ALL
3. LAVATORY SMOKE DETECTOR - INSTALLATION
A. General

- (1) This task gives the procedures for the installation of the lavatory smoke detector.

B. References

| <i>REFERENCE</i> | <i>DESIGNATION</i> |
|---------------------------------|--------------------|
| AMM TASK 26-14-00-700-801-A/500 | - |
| AMM TASK 26-14-00-700-802-A/500 | - |

C. Zones and Accesses

Not Applicable

D. Tools and Equipment

Not Applicable

E. Auxiliary Items

Not Applicable

F. Consumable Materials

Not Applicable

G. Expandable Parts

Not Applicable

H. Persons Recommended

| <i>QTY</i> | <i>FUNCTION</i> | <i>PLACE</i> |
|------------|-----------------|--------------|
| 1 | Does the task | Lavatory |

I. Installation (Figure 401) (Figure 402)
SUBTASK 420-002-A
EFFECTIVITY: PRE-MOD SB 145-26-0014

- (1) Install the screw (7), washer (6) and nut (4) on the bonding angle (5) and bonding jumper (REF.). Refer to DET. C of figure 401.
- (2) Install the electrical connector (8). Refer to Figure 401.
- (3) Install the smoke sensor (1). Refer to Figure 401.
- (4) Install the cover plate (3). Refer to Figure 401.
- (5) Install the bolts (2). Refer to Figure 401.

SUBTASK 420-002-B
EFFECTIVITY: POST-MOD SB 145-26-0014

- (6) Install the bonding jumper (6), nut (5) to grounding base (REF.). Refer to Figure 402.



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- (7) Install the electrical connector (4). Refer to Figure 402.
- (8) Install the smoke sensor (3). Refer to Figure 402.
- (9) Install the bolts (1) to attach the cover plate (2). Refer to Figure 402.

J. Follow-on

SUBTASK 842-002-A

- (1) Remove the "DO-NOT-CLOSE" tag and close the "LAVATORY SMOKE DET" circuit breaker.
- (2) Do the Operational Check of the Lavatory Smoke-Detection System (AMM TASK 26-14-00-700-801-A/500) or (AMM TASK 26-14-00-700-802-A/500), as applicable.

