



AIRCRAFT MAINTENANCE MANUAL

OXYGEN-DISPENSING-UNIT DOOR ELECTRICAL LATCHES - REMOVAL/INSTALLATION

EFFECTIVITY: ALL

1. General

- A. This section gives the procedures to remove and install the electrical latch of the doors of the oxygen dispensing units.
- 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).

TASK NUMBER	DESCRIPTION	EFFECTIVITY
35-20-02-000-801-A	ELECTRICAL LATCH - REMOVAL	ALL
35-20-02-400-801-A	ELECTRICAL LATCH - INSTALLATION	ALL



EMB145 – EMB135

AIRCRAFT
MAINTENANCE MANUAL

TASK 35-20-02-000-801-A

EFFECTIVITY: ALL

2. ELECTRICAL LATCH - REMOVAL

A. General

- (1) This task gives the procedure to remove the electrical latch of the doors of the oxygen dispensing units.

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	Dispensing units installed in the right and left PSU, lavatory, and flight attendant station

H. Removal (Figure 401) (Figure 402)

- WARNING:** • **ALWAYS BE CAREFUL NOT TO ACCIDENTALLY PULL THE LANYARDS OR PULL-PIN OF A GENERATOR NOT USED. THE REMOVAL OF THE PULL-PIN FROM THE OXYGEN GENERATOR WILL START THE FLOW OF OXYGEN AND YOU CANNOT STOP IT UNTIL THE GENERATOR IS EMPTY. THE EXTERNAL SURFACE WILL BECOME SUFFICIENTLY HOT TO BURN YOU.**
- **DO NOT USE OIL AND OTHER PETROLEUM-BASE LUBRICANTS ON THE OXYGEN EQUIPMENT. THIS COULD CAUSE A DANGEROUS FIRE AND BAD INJURY TO PERSONS.**
 - **KEEP ALL SOURCES OF IGNITION (HOT EXHAUST, SPARKS, FLAMES, SMOKE) AWAY FROM THE OXYGEN SERVICING AREA.**

SUBTASK 020-002-A

NOTE: Prepare a clean area and work surface before you start the maintenance practices.

- (1) Get access to the electrical latch (1) through the doors (2) of the oxygen dispensing unit (3).
- (2) Remove the screws (4) and the nuts (5) from the electrical latch (1).



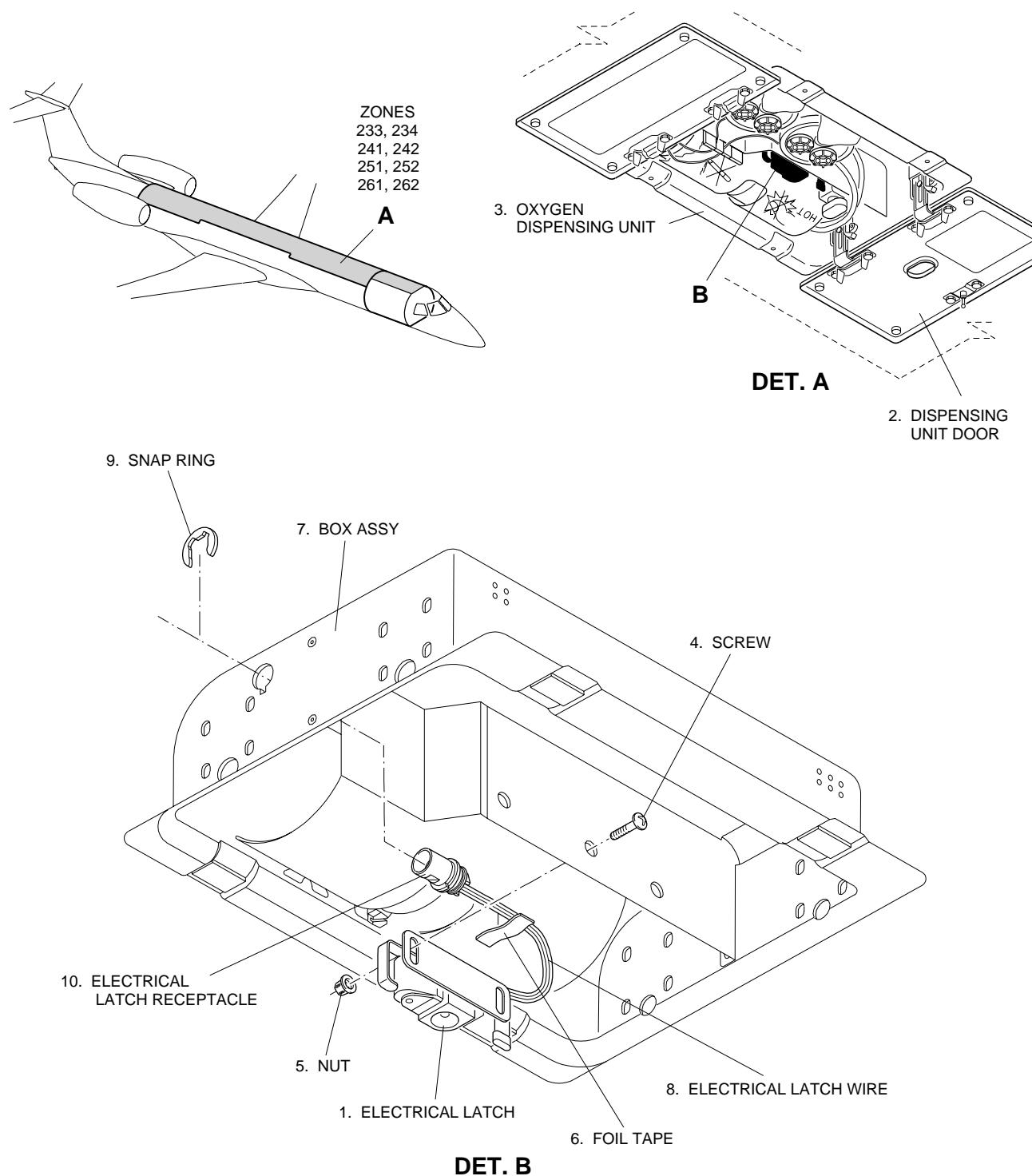
AIRCRAFT MAINTENANCE MANUAL

- (3) For aircraft with "Puritan" PSU, pull the foil tape (6) from the bottom of the box assembly (7) to permit the electrical latch wire (8) to be pulled from the box assembly (7).
- (4) Open the Passenger Service Unit (PSU) to get access to the snap ring (9) from the electrical latch receptacle (10).
- (5) Disconnect the electrical latch receptacle (10).
- (6) Remove the snap ring (9) from the electrical latch receptacle (10).
- (7) Carefully pull the receptacle (10) through the access hole on the side of the unit and remove the electrical latch (1) from the box assembly (7).

EFFECTIVITY: AIRCRAFT WITH "PURITAN" PSU

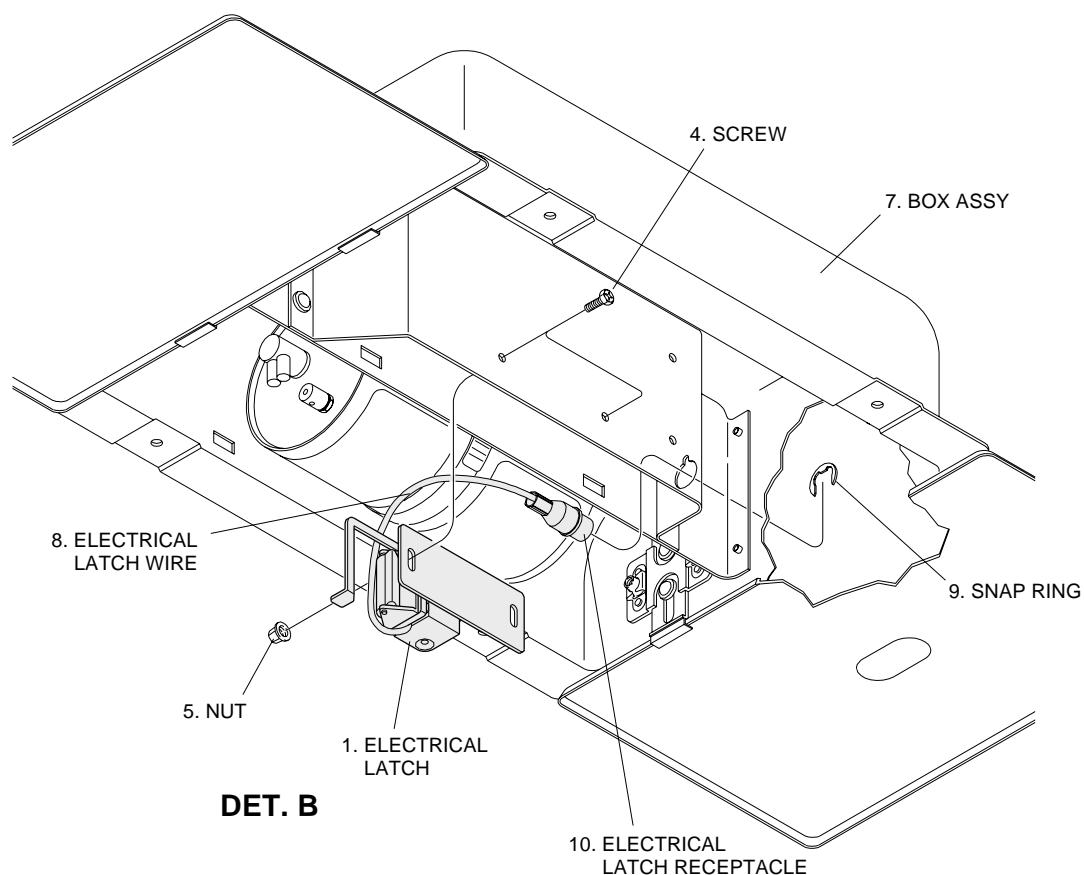
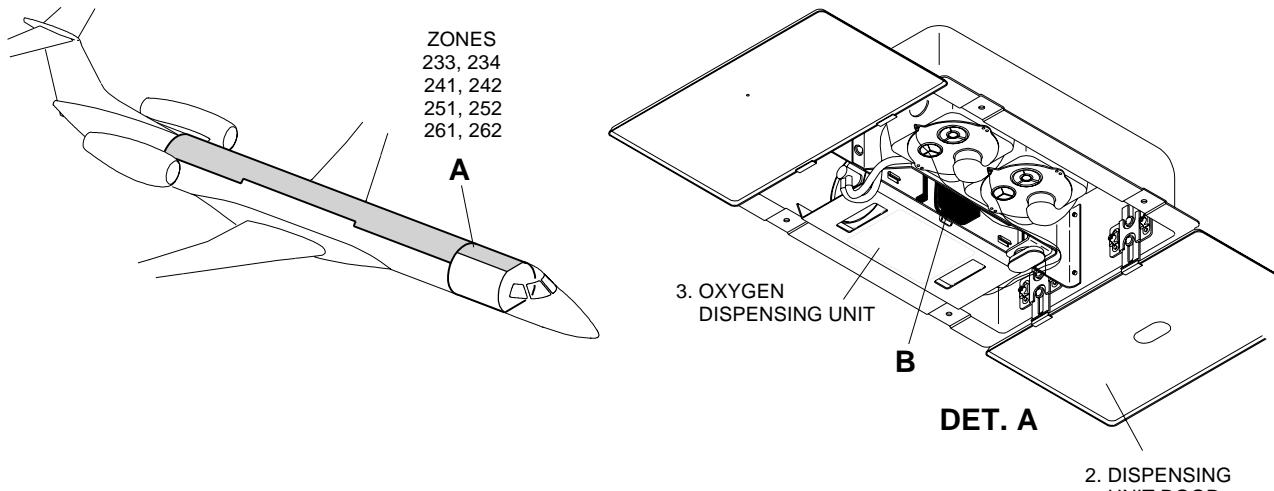
Electrical Latch - Removal/Installation

Figure 401



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EFFECTIVITY: AIRCRAFT WITH "C&D" PSU
Electrical Latch - Removal/Installation
Figure 402



EM145AMM350080A.DGN

TASK 35-20-02-400-801-A
EFFECTIVITY: ALL
3. ELECTRICAL LATCH - INSTALLATION
A. General

- (1) This task gives the procedure to install the electrical latch of the doors of the oxygen dispensing units.

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

<i>QTY</i>	<i>FUNCTION</i>	<i>PLACE</i>
1	Does the task	Dispensing units installed in the right and left PSU, lavatory, and flight attendant station

H. Installation (Figure 401) (Figure 402)

- WARNING:** • **ALWAYS BE CAREFUL NOT TO ACCIDENTALLY PULL THE LANYARDS OR PULL-PIN OF A GENERATOR NOT USED. THE REMOVAL OF THE PULL-PIN FROM THE OXYGEN GENERATOR WILL START THE FLOW OF OXYGEN AND YOU CANNOT STOP IT UNTIL THE GENERATOR IS EMPTY. THE EXTERNAL SURFACE WILL BECOME SUFFICIENTLY HOT TO BURN YOU.**
- **DO NOT USE OIL AND OTHER PETROLEUM-BASE LUBRICANTS ON THE OXYGEN EQUIPMENT. THIS COULD CAUSE A DANGEROUS FIRE AND BAD INJURY TO PERSONS.**
 - **KEEP ALL SOURCES OF IGNITION (HOT EXHAUST, SPARKS, FLAMES, SMOKING) AWAY FROM THE OXYGEN SERVICING AREA.**

SUBTASK 420-002-A

NOTE: Prepare a clean area and work surface before you start the maintenance practices.

- (1) Put the electrical latch receptacle (10) through the guide hole on the side of the box assembly (7).
- (2) Install the snap ring (9) onto the electrical latch wires (8) to attach the wires in position.



AIRCRAFT MAINTENANCE MANUAL

- (3) For aircraft with "Puritan" PSU, install the foil tape (6) to attach the electrical latch wire (8) to the bottom of the box assembly (7). Burnish the foil tape (6) sufficiently to keep the electrical latch wire (8) attached to the bottom of the box assembly (7).
- (4) Connect the electrical latch receptacle (10).
- (5) Put the electrical latch (1) against the center mounting bracket to align the mounting holes in the bracket with the mounting holes in the electrical latch (1). Then install the nuts (5) and screws (4).
- (6) Close the Passenger Service Unit (PSU).
- (7) Close the doors (2) of the oxygen dispensing unit (3).

