



AIRCRAFT MAINTENANCE MANUAL

PASSENGER OXYGEN MASK - REMOVAL/INSTALLATION

EFFECTIVITY: ACFT MODEL(S) EMB-145

1. General

- A. This section gives the procedures to remove/install the passenger oxygen-mask assembly.
- 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 |
|--------------------|--|--------------------------|
| 35-20-04-000-801-A | PASSENGER OXYGEN MASKS ASSEMBLY - REMOVAL | ACFT MODEL(S) EMB-145 |
| 35-20-04-400-801-A | PASSENGER OXYGEN MASKS ASSEMBLY - INSTALLATION | ACFT MODEL(S) EMB-145 |



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MAINTENANCE MANUAL

TASK 35-20-04-000-801-A

EFFECTIVITY: ACFT MODEL(S) EMB-145

2. PASSENGER OXYGEN MASKS ASSEMBLY - REMOVAL

A. General

- (1) This task gives the procedure to remove the passenger oxygen mask assembly.

B. References

| REFERENCE | DESIGNATION |
|---------------------------------|--|
| AMM TASK 35-20-01-000-801-A/400 | CHEMICAL OXYGEN GENERATOR - REMOVAL |
| AMM TASK 35-20-01-400-801-A/400 | CHEMICAL OXYGEN GENERATOR - INSTALLATION |

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

| QTY | FUNCTION | PLACE |
|-----|---------------|---|
| 1 | Does the task | Dispensing units installed in the right and left PSUs, lavatory, and flight attendant station |

I. Preparation

SUBTASK 841-008-B

- (1) Open the circuit breakers below:

- PASS OXY DEPLOY 1 (location tip: ESSENTIAL DC BUS 1/MISCELLANEOUS).
- PASS OXY DEPLOY 2 (location tip: ESSENTIAL DC BUS 2).

J. Removal (Figure 401)

SUBTASK 020-010-B

- 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.

- CAUTION:** • DO NOT CUT THE TUBING THAT SUPPLIES THE PASSENGER MASK ASSEMBLY. REPLACE THE PASSENGER OXYGEN-MASK ASSEMBLY. IF ITS SUPPLY TUBING WAS MADE SHORTER.
- DO NOT PUSH OR PULL THE FITTING OF THE OXYGEN-GENERATOR OUTLET VALVE IF THE OUTLET VALVE IS NOT SAFELY HELD.

- (1) Get access to the passenger oxygen mask assembly (4) through the doors (3) of the oxygen dispensing units. Refer to Figure 401, DET. A.

NOTE: • On the chemical oxygen generator actuator end, there is a dot indicator . Expended generator - when the dot is black or not expended generator - when the dot is orange.

• The gaseous oxygen cylinder in a not-used condition, the green indicator cap and the pull pin being in place. If the indicator cap is missing from the safety plug, it shows that the cylinder can be empty and you must not use it. Discard the cylinder without the indicator cap on the safety plug.

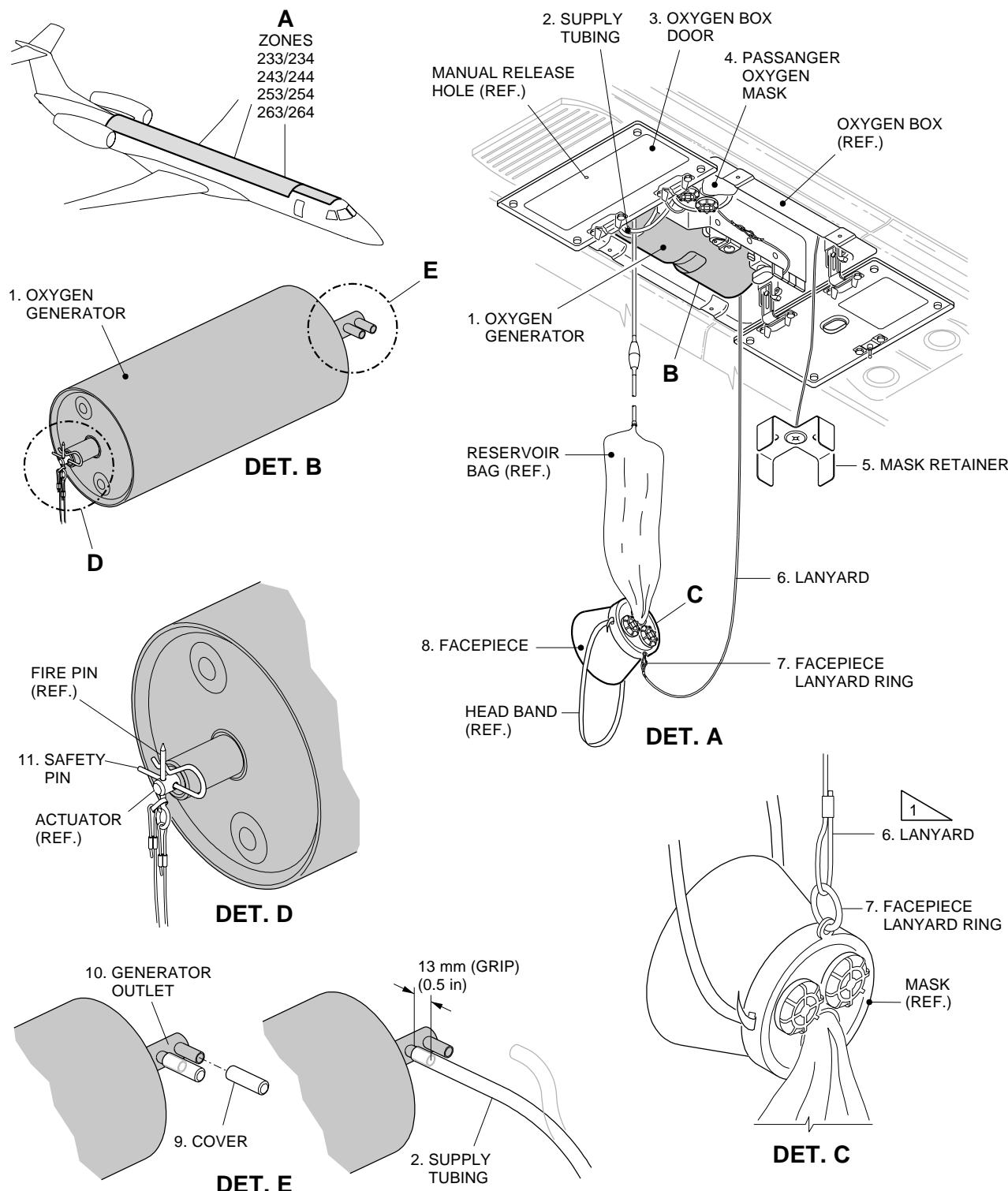
• If the generator is expended, remove it and install a new, not expended generator ([AMM TASK 35-20-01-000-801-A/400](#) and [AMM TASK 35-20-01-400-801-A/400](#)).

- (2) Tag and safety the oxygen generator (1) with safety pin (11). Refer to [Figure 401](#), DET. D.
- (3) Disconnect the lanyards (6) from the facepiece lanyard ring (7). Refer to [Figure 401](#), DET. C.
- (4) Remove the passenger oxygen mask assembly (4) from the mask retainer (5). Refer to [Figure 401](#), DET. A.
- (5) Disconnect the supply tubing (2) from the oxygen generator (1). Refer to [Figure 401](#), DET. E.
- (6) Remove the passenger oxygen-mask assembly (4).
- (7) Put a cover (9) on the generator outlet (10). Refer to [Figure 401](#), DET. E.

EFFECTIVITY: ACFT MODEL(S) EMB-145

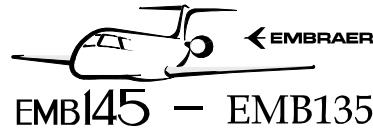
Passenger Oxygen Mask Assembly - Removal/Installation

Figure 401



 LANYARD LENGTH: 215.9 mm (8.5 in).

EM145AMM350298A.DGN



EMB145 – EMB135

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MAINTENANCE MANUAL

TASK 35-20-04-400-801-A

EFFECTIVITY: ACFT MODEL(S) EMB-145

3. PASSENGER OXYGEN MASKS ASSEMBLY - INSTALLATION

A. General

- (1) This task gives the procedure to install the passenger oxygen masks assembly..

B. References

| REFERENCE | DESIGNATION |
|---|----------------------------------|
| AMM TASK 35-20-04-000-801-A/400 | - |
| AMM TASK 35-20-04-860-801-A/200 | PASSENGER OXYGEN MASKS - STOWAGE |

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

| QTY | FUNCTION | PLACE |
|-----|---------------|---|
| 1 | Does the task | Dispensing units installed in the right and left PSUs, lavatory, and flight attendant station |

I. Preparation

SUBTASK 841-009-B

- (1) Make sure that the aircraft is in the same configuration as it was at the end of the removal task (AMM TASK 35-20-04-000-801-A/400).

J. Installation ([Figure 401](#))

SUBTASK 420-010-B

- 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.

- CAUTION:** • DO NOT CUT THE TUBING THAT SUPPLIES THE PASSENGER MASK ASSEMBLY. REPLACE THE PASSENGER OXYGEN-MASK ASSEMBLY. IF ITS SUPPLY TUBING WAS MADE SHORTER.
- DO NOT PUSH OR PULL THE FITTING OF THE OXYGEN-GENERATOR OUTLET VALVE IF THE OUTLET VALVE IS NOT SAFELY HELD.
- DO NOT PERMIT THE TUBING THAT SUPPLIES THE PASSENGER MASK ASSEMBLY OR THE OXYGEN GENERATOR LANYARDS TO WEDGE OR BECOME ENTANGLED ON ANYTHING IN THE UNIT. THEY MUST BE FREE TO FALL OUT OF THE UNIT AS NECESSARY.

- (1) Install the passenger oxygen mask assembly as follows:
- Remove the cover (9) from the generator outlet (10). Refer to [Figure 401](#), DET. E.
 - Connect the supply tubing (2) to the oxygen generator (1). Refer to [Figure 401](#), DET. E.
NOTE: Make sure that supply tubing has a minimum grip of 13 mm (0.5 in) with the generator outlet (10).
 - Connect the lanyard (6) on the facepiece lanyard ring (7) and do the adjust in accordance with [Figure 401](#), DET. C.
 - Remove the safety pin (11) from the oxygen generator (1). Refer to [Figure 401](#), DET. D.
 - Do the mask stowage ([AMM TASK 35-20-04-860-801-A/200](#)).

K. Follow-on

SUBTASK 842-005-B

- Close the circuit breakers below:
 - PASS OXY DEPLOY 1 (location tip: ESSENTIAL DC BUS 1/MISCELLANEOUS).
 - PASS OXY DEPLOY 2 (location tip: ESSENTIAL DC BUS 2).