



AIRCRAFT MAINTENANCE MANUAL

OXYGEN BOX ASSEMBLY - REMOVAL/INSTALLATION

EFFECTIVITY: ALL

1. General

- A. This section gives the procedures to remove and install the oxygen box assembly.

WARNING: WHEN YOU WORK ON THE OXYGEN ASSEMBLY, DISCONNECT THE OXYGEN LINES THAT ARE CONNECTED TO THE OXYGEN BOX.

- B. The oxygen box assembly is installed on the headliner panel, in zones 233 and 234.
- 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
35-20-05-000-801-A	OXYGEN BOX ASSEMBLY - REMOVAL	ALL
35-20-05-400-801-A	OXYGEN BOX ASSEMBLY - INSTALLATION	ALL



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TASK 35-20-05-000-801-A

EFFECTIVITY: ALL

2. OXYGEN BOX ASSEMBLY - REMOVAL

A. General

- (1) This task gives the procedures for the removal of the oxygen box assembly.

B. References

REFERENCE	DESIGNATION
AMM TASK 25-22-04-000-801-A/400	-
AMM TASK 35-10-00-910-801-A/200	-

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	Passenger cabin

I. Removal of the Oxygen Box Assembly

SUBTASK 020-002-A

EFFECTIVITY: AIRCRAFT WITH 12 MINUTES OXYGEN GENERATOR

- 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 CAUSES THE FLOW OF OXYGEN TO START 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 CAN CAUSE DANGEROUS FIRE AND BAD INJURY TO PERSONS.**
 - **KEEP ALL SOURCES OF IGNITION (HOT EXHAUST, SPARKS, FLAMES, SMOKE) AWAY FROM THE OXYGEN SERVICING AREA.**



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- (1) Remove the Flight Attendant's Oxygen Box Assembly as follows ([Figure 401](#)):
 - (a) Obey the safety precautions. Refer to AMM TASK 35-10-00-910-801-A/200.
 - (b) Remove the headliner. Refer to AMM TASK 25-22-04-000-801-A/400.
 - (c) Remove the screws (1) and washers (2). Refer to [Figure 401](#).
 - (d) Remove the screws (5), washers (4), and lock washers (3). Refer to [Figure 401](#).
 - (e) Remove the oxygen box. Refer to [Figure 401](#).

J. Removal of the Oxygen Box Assembly

SUBTASK 020-003-A

EFFECTIVITY: AIRCRAFT WITH 22 MINUTES OXYGEN GENERATOR

- 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 CAUSES THE FLOW OF OXYGEN TO START 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 CAN CAUSE DANGEROUS FIRE AND BAD INJURY TO PERSONS.**
 - **KEEP ALL SOURCES OF IGNITION (HOT EXHAUST, SPARKS, FLAMES, SMOKE) AWAY FROM THE OXYGEN SERVICING AREA.**

- (1) Remove the Flight Attendant's Oxygen Box Assembly as follows ([Figure 402](#)):
 - (a) Obey the safety precautions. Refer to AMM TASK 35-10-00-910-801-A/200.
 - (b) Remove the headliner. Refer to AMM TASK 25-22-04-000-801-A/400.
 - (c) Install the safety pin (5). Refer to [Figure 402](#).
NOTE: Make sure that the safety pin (5) was correctly installed.
 - (d) Remove the pull-pin (6) and lanyard (4) from the oxygen box (1). Refer to [Figure 402](#).
 - (e) Disconnect the oxygen hose (2) from the oxygen box (1). Refer to [Figure 402](#).
 - (f) Remove the screws (8) and washers (7). Refer to [Figure 402](#).
 - (g) Remove the oxygen box (1). Refer to [Figure 402](#).

K. Removal of the Oxygen Box Assembly

SUBTASK 020-004-A

EFFECTIVITY: AIRCRAFT WITH 12 MINUTES OXYGEN GENERATOR

- 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 CAUSES THE FLOW OF OXYGEN TO START 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 CAN CAUSE DANGEROUS FIRE AND BAD INJURY TO PERSONS.**
 - **KEEP ALL SOURCES OF IGNITION (HOT EXHAUST, SPARKS, FLAMES, SMOKE) AWAY FROM THE OXYGEN SERVICING AREA.**

(1) Remove the PSU Oxygen Box as follows (Figure 403):

- (a) Obey the safety precautions. Refer to AMM TASK 35-10-00-910-801-A/200.
- (b) Carefully get access to the oxygen box (2) through the PSU. Refer to [Figure 403](#).
NOTE: Do not let the oxygen mask fall down. If this occurs, the oxygen generator starts and does not stop until it is empty.
- (c) Install the safety pin (5) in the actuator hole. Refer to [Figure 403](#).
NOTE: Make sure that the safety pin (5) was correctly installed.
- (d) Disconnect the connector (1). Refer to [Figure 403](#).
- (e) Remove the screws (3) and washers (4). Refer to [Figure 403](#).
- (f) Remove the oxygen box (2). Refer to [Figure 403](#).

L. Removal of the Oxygen Box Assembly

SUBTASK 020-005-A

EFFECTIVITY: AIRCRAFT WITH 22 MINUTES OXYGEN GENERATOR

- 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 CAUSES THE FLOW OF OXYGEN TO START 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 CAN CAUSE DANGEROUS FIRE AND BAD INJURY TO PERSONS.**
 - **KEEP ALL SOURCES OF IGNITION (HOT EXHAUST, SPARKS, FLAMES, SMOKE) AWAY FROM THE OXYGEN SERVICING AREA.**



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- (1) Remove the PSU Oxygen Box as follows (Figure 404):
 - (a) Obey the safety precautions. Refer to AMM TASK 35-10-00-910-801-A/200.
 - (b) Carefully get access to the oxygen box (1) through the PSU.

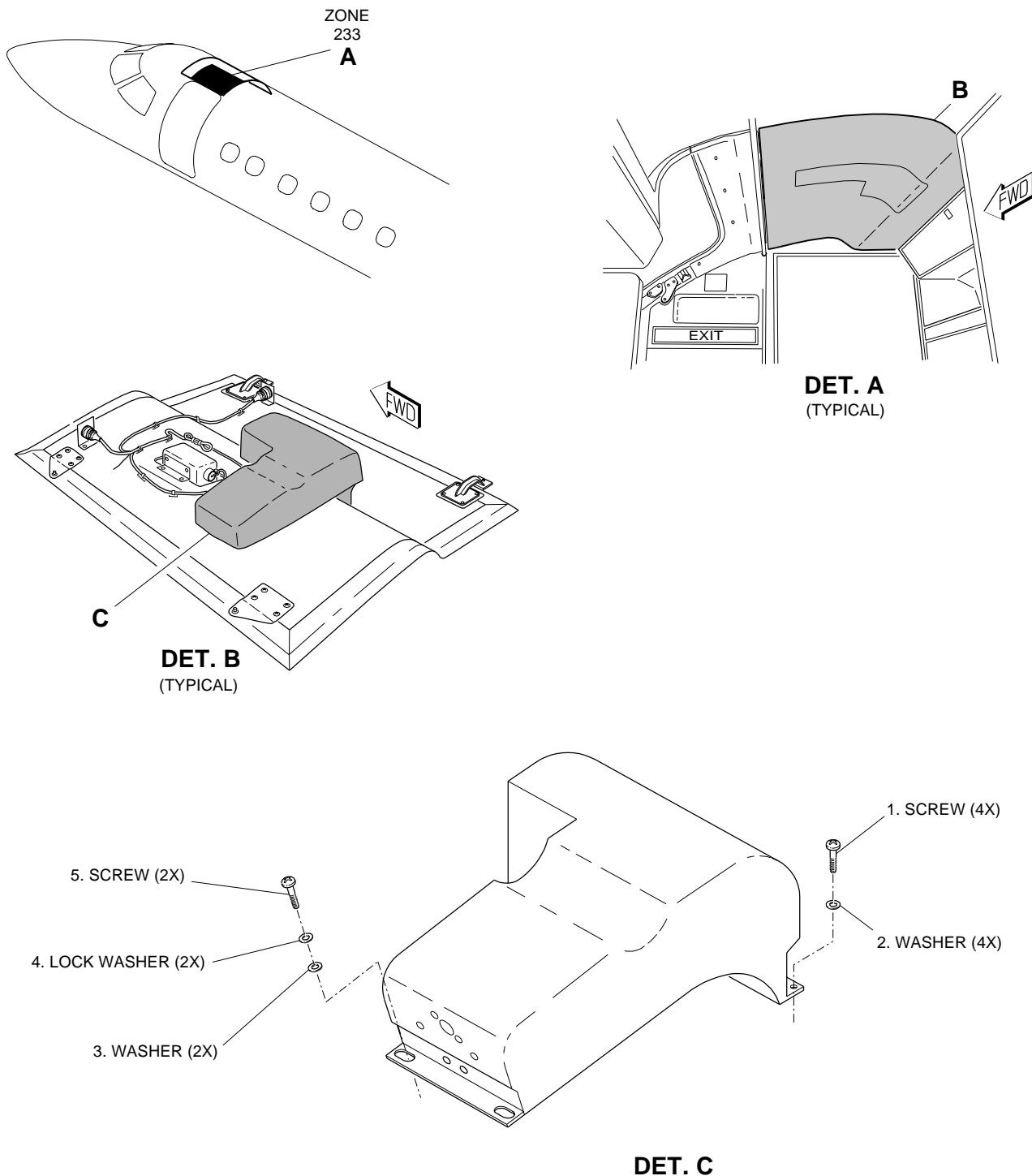
NOTE: Do not let the oxygen mask fall down. If this occurs, the oxygen generator starts and does not stop until it is empty.
 - (c) Install the safety pin (5). Refer to [Figure 404](#).

NOTE: Make sure that the safety pin (5) was correctly installed.
 - (d) Remove the pull-pin (6) from the oxygen generator (4). Refer to [Figure 404](#).
 - (e) Disconnect the connector (2). Refer to [Figure 404](#).
 - (f) Remove the nuts (9), lock washers (8), and washers (7). Refer to [Figure 404](#).
 - (g) Remove the oxygen box (1). Refer to [Figure 404](#).

EFFECTIVITY: AIRCRAFT WITH 12 MINUTES OXYGEN GENERATOR

Flight Attendant's Oxygen Box Assembly - Removal/Installation

Figure 401

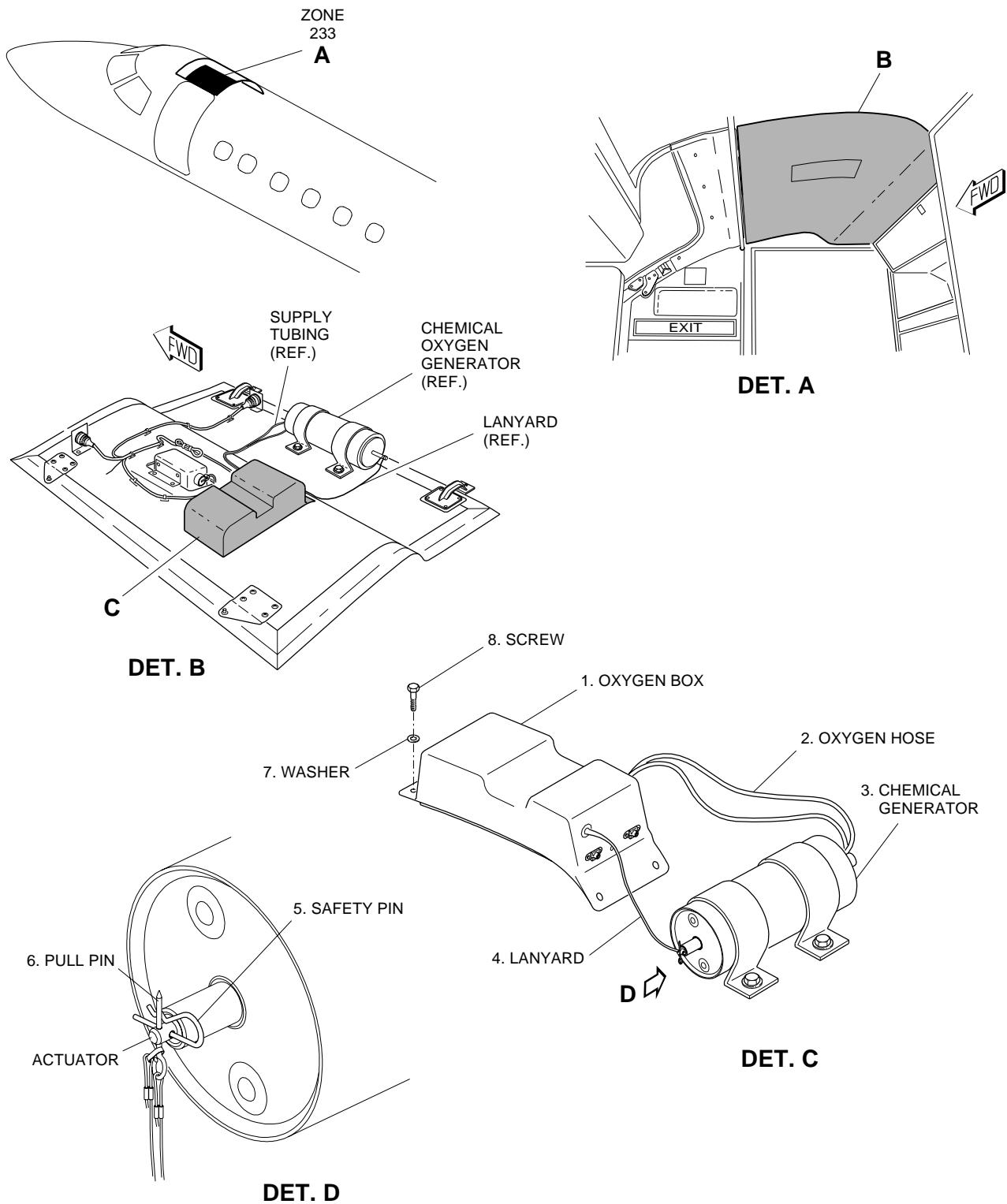


EM145AMM350322B.DGN

EFFECTIVITY: AIRCRAFT WITH 22 MINUTES OXYGEN GENERATOR

Flight Attendant's Oxygen Box Assembly - Removal/Installation

Figure 402

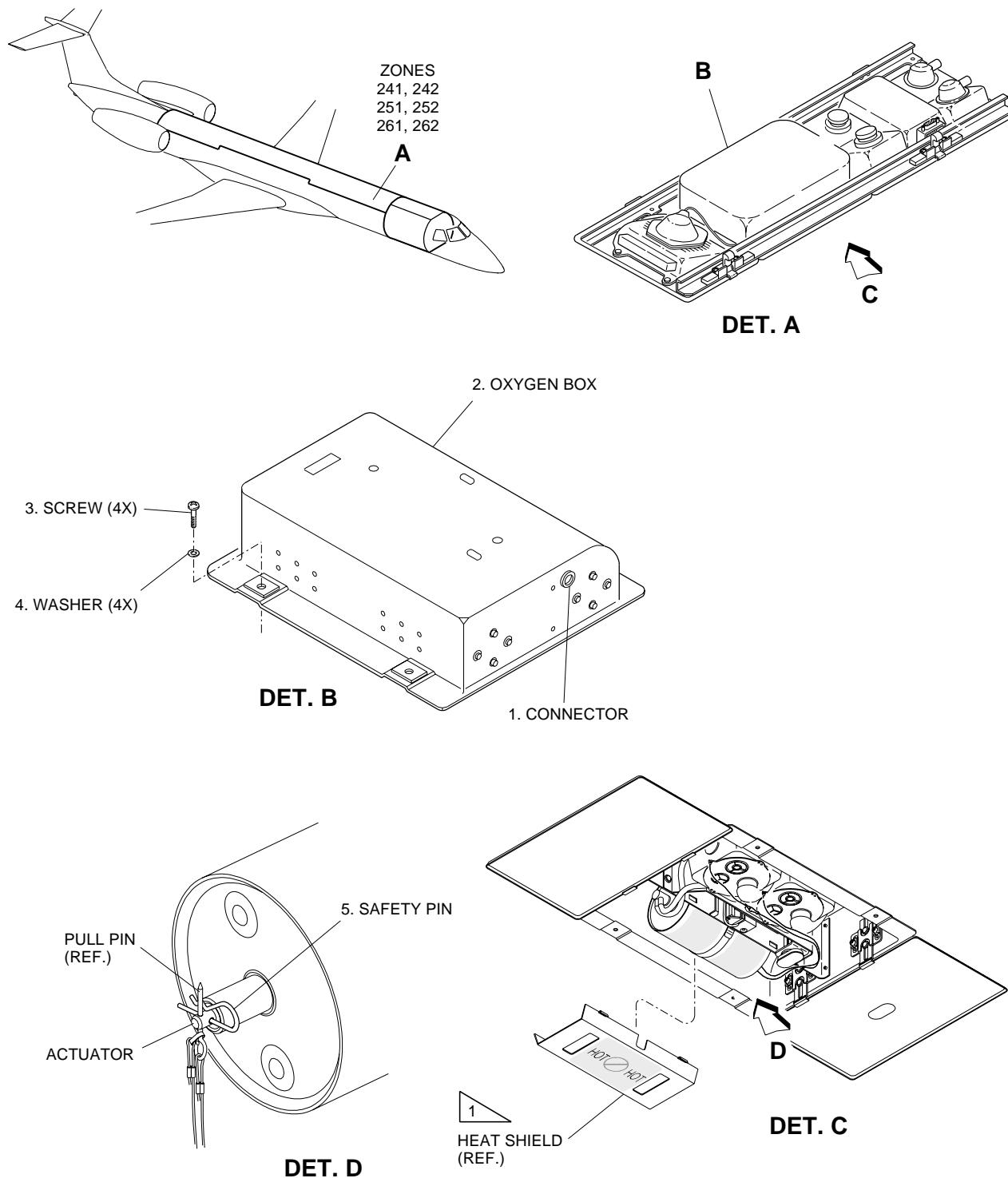


EM145AMM350323B.DGN

EFFECTIVITY: AIRCRAFT WITH 12 MINUTES OXYGEN GENERATOR

PSU Oxygen Box - Removal/Installation

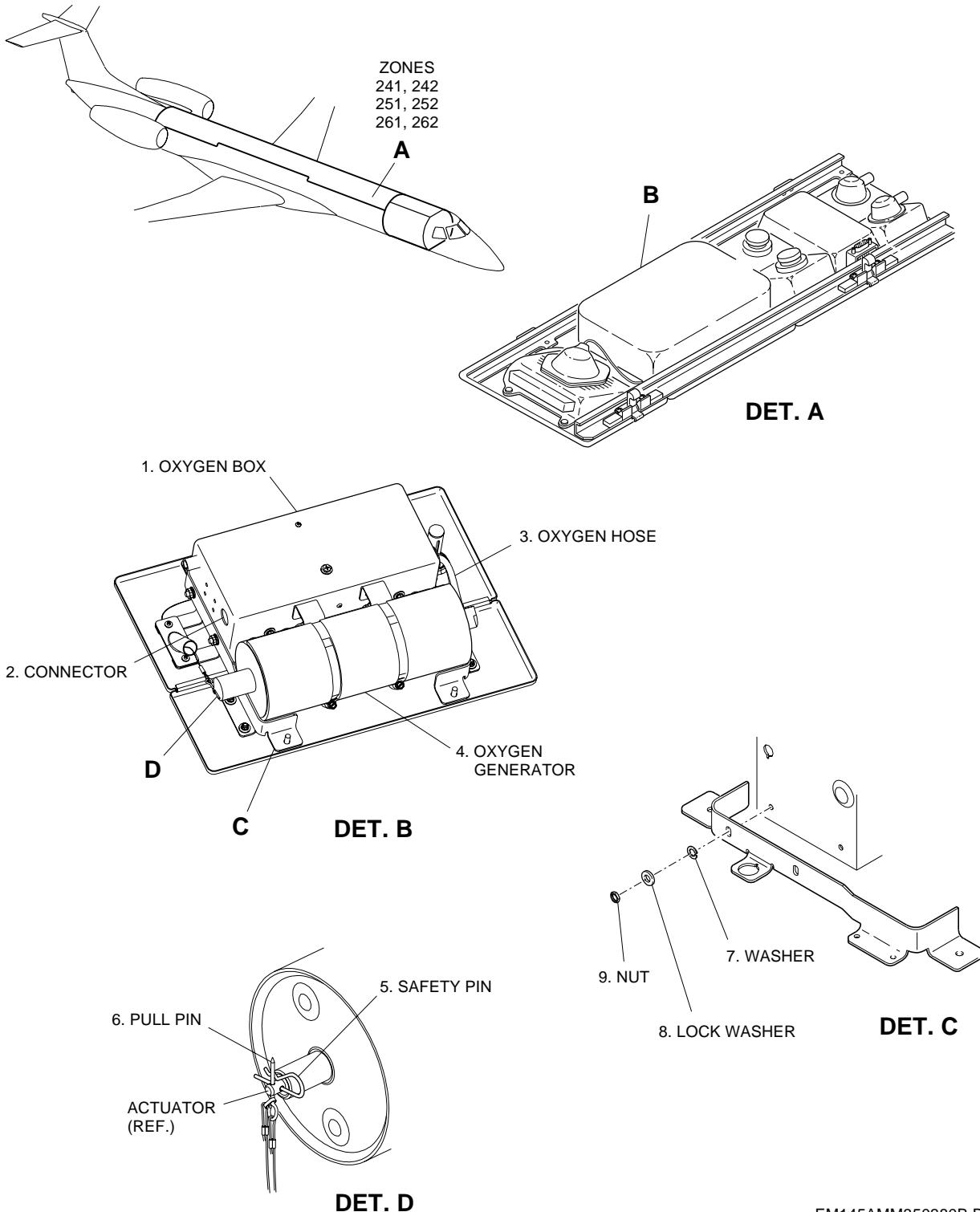
Figure 403



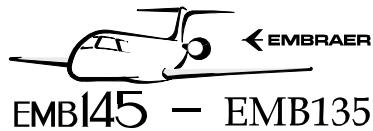
 FOR CHEMICAL OXYGEN GENERATOR.

EM145AMM350379B.DGN

EFFECTIVITY: AIRCRAFT WITH 22 MINUTES OXYGEN GENERATOR
PSU Oxygen Box - Removal/Installation
Figure 404



EM145AMM350380B.DGN



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TASK 35-20-05-400-801-A

EFFECTIVITY: ALL

3. OXYGEN BOX ASSEMBLY - INSTALLATION

A. General

- (1) This task gives the procedures for the installation of the oxygen box assembly.

B. References

REFERENCE	DESIGNATION
AMM TASK 25-22-04-400-801-A/400	-
AMM TASK 35-10-00-910-801-A/200	-

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	Passenger cabin

I. Installation of the Oxygen Box Assembly

SUBTASK 420-002-A

EFFECTIVITY: AIRCRAFT WITH 12 MINUTES OXYGEN GENERATOR

- 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 CAUSES THE FLOW OF OXYGEN TO START 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 CAN CAUSE DANGEROUS FIRE AND BAD INJURY TO PERSONS.**
 - **KEEP ALL SOURCES OF IGNITION (HOT EXHAUST, SPARKS, FLAMES, SMOKE) AWAY FROM THE OXYGEN SERVICING AREA.**

- (1) Install the Flight Attendant's Oxygen Box as follows (Figure 401):
 - (a) Obey the safety precautions. Refer to AMM TASK 35-10-00-910-801-A/200.
 - (b) Put the oxygen box in position. Refer to Figure 401.
 - (c) Install the screws (1) and washers (2) to fasten the oxygen box in the headliner. Refer to Figure 401.
 - (d) Install the screws (5), lock washers (3), and washers (4) to fasten the oxygen box in the headliner. Refer to Figure 401.
 - (e) Install the headliner. Refer to AMM TASK 25-22-04-400-801-A/400.

J. Installation of the Oxygen Box Assembly

SUBTASK 420-003-A

EFFECTIVITY: AIRCRAFT WITH 22 MINUTES OXYGEN GENERATOR

- 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 CAUSES THE FLOW OF OXYGEN TO START 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 CAN CAUSE DANGEROUS FIRE AND BAD INJURY TO PERSONS.**
- **KEEP ALL SOURCES OF IGNITION (HOT EXHAUST, SPARKS, FLAMES, SMOKE) AWAY FROM THE OXYGEN SERVICING AREA.**

- (1) Install the Flight Attendant's Oxygen Box as follows (Figure 402):
 - (a) Obey the safety precautions. Refer to AMM TASK 35-10-00-910-801-A/200.
 - (b) Put the oxygen box in position. Refer to Figure 402.
 - (c) Install the screws (8) and washers (7). Refer to Figure 402.
 - (d) Connect the oxygen hose (2) from the chemical generator (3) to the oxygen box (1). Refer to Figure 402.
 - (e) Install the pull-pin (6) and connect the lanyard (4) to the oxygen box (1). Refer to Figure 402.
 - (f) Remove the safety pin (5). Refer to Figure 402.
NOTE: Make sure that the safety pin (5) was removed.
 - (g) Install the headliner. Refer to AMM TASK 25-22-04-400-801-A/400.

K. Installation of the Oxygen Box Assembly

SUBTASK 420-004-A

EFFECTIVITY: AIRCRAFT WITH 12 MINUTES OXYGEN GENERATOR

- 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 CAUSES THE FLOW OF OXYGEN TO START 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 CAN CAUSE DANGEROUS FIRE AND BAD INJURY TO PERSONS.**
 - **KEEP ALL SOURCES OF IGNITION (HOT EXHAUST, SPARKS, FLAMES, SMOKE) AWAY FROM THE OXYGEN SERVICING AREA.**

(1) Install the PSU oxygen box as follows (Figure 403):

- (a) Obey the safety precautions. Refer to AMM TASK 35-10-00-910-801-A/200.
- (b) Put the oxygen box (2) in position. Refer to Figure 403.
- (c) Install the screws (3) and washers (4) to attach the oxygen box (2) in the PSU structure. Refer to Figure 403.
- (d) Connect the connector (1). Refer to Figure 403.
- (e) Remove the safety pin (5) from the actuator hole. Refer to Figure 403.
- (f) Close the door assemblies.

L. Installation of the Oxygen Box Assembly

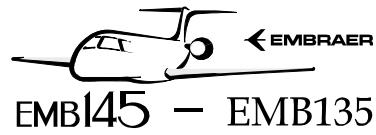
SUBTASK 420-005-A

EFFECTIVITY: AIRCRAFT WITH 22 MINUTES OXYGEN GENERATOR

- 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 CAUSES THE FLOW OF OXYGEN TO START 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 CAN CAUSE DANGEROUS FIRE AND BAD INJURY TO PERSONS.**
 - **KEEP ALL SOURCES OF IGNITION (HOT EXHAUST, SPARKS, FLAMES, SMOKE) AWAY FROM THE OXYGEN SERVICING AREA.**

(1) Install the PSU oxygen box as follows (Figure 404):

- (a) Obey the safety precautions. Refer to AMM TASK 35-10-00-910-801-A/200.



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- (b) Put the oxygen box (1) in position. Refer to Figure 404.
- (c) Install the washers (7), lock washers (8), and nuts (9). Refer to Figure 404.
- (d) Install the pull pin (6). Refer to Figure 404.
- (e) Install the oxygen hose (3) from the oxygen generator (4) to the oxygen box (1). Refer to Figure 404.
- (f) Install the connector (2). Refer to Figure 404.
- (g) Remove the safety pin (5) from the actuator hole. Refer to Figure 404.

