

NATIONAL TRANSPORTATION SAFETY BOARD

Office of Aviation Safety
Washington, D.C. 20594

Attachment 19 - UPS B747-400 AOM Supplemental O2 Description

**OPERATIONS/HUMAN PERFORMANCE SUPPORT TO
THE U.S. ACCREDITED REPRESENTATIVE**

DCA10RA092



B747-400 AIRCRAFT OPERATING MANUAL

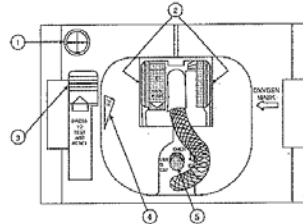
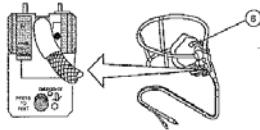
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SUPPLEMENTAL OXYGEN

FLIGHT DECK

An oxygen mask is provided at each jumpseat position. To use the mask, squeeze the red release levers with the thumb and forefinger and remove from stowage. Squeezing the red release levers inflates the mask harness and the flow indicator will show yellow momentarily as the harness inflates. Place the mask over the head and release the levers. The harness will contract, fitting to the head and face.

Oxygen Mask Panel



1. Oxygen Flow Indicator

- Shows a yellow cross when oxygen is flowing.

NOTE: The oxygen flow indicators are located on the PSU doors for the upper deck supernumerary masks (as installed).

2. Oxygen Mask Release Levers

SQUEEZE AND PULL -

- Unlocks oxygen panel doors and releases mask. (Cockpit masks only)
- Oxygen turns on when oxygen panel doors open.
- Flow indicator shows a yellow cross momentarily as harness inflates.
- Mask microphone is activated when left-hand door opens. (Cockpit masks only)

SQUEEZE (right lever) - inflates mask harness.

RELEASE - deflates mask harness into position on head and face.

3. Reset/Test Switch (Cockpit masks only)

PUSH -

- With left oxygen panel door closed and OXY ON flag not displayed, turns oxygen on momentarily to test regulator.
- With left oxygen panel door closed and OXY ON flag displayed, turns oxygen off, deactivates mask microphone and activates boom microphone.

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4. **Oxygen (OXY) ON Flag (Cockpit masks only)**
IN VIEW - Oxygen is on.
5. **Emergency/Test Switch**
ROTATE TO EMERGENCY - Supplies 100% oxygen under positive pressure at all cabin altitudes to protect against smoke and harmful vapors.
PRESS TO TEST - Tests the positive pressure supply to the regulator.
6. **Smoke Vent Valve Selector** - Allows oxygen flow to smoke goggles to clear goggles of smoke or fumes.

UPPER DECK (AIRCRAFT WITH DILUTER-DEMAND OXYGEN MASKS)

At cabin altitudes of 14,000 feet or greater, diluter-demand oxygen masks will automatically drop from Passenger Service Units (PSU) located above the seat. When this occurs, pull the mask toward you and squeeze the red release levers with the thumb and forefinger. Squeezing the red release levers inflates the mask harness. Place the mask over the head and release the levers. The harness will contract, fitting to the head and face. Remain on oxygen until advised by the crew.

NOTE: Operation of the supernumerary diluter-demand oxygen masks is similar to the flight deck masks, except no microphone is installed in supernumerary masks. Refer to flight deck oxygen mask description (above) if necessary.

UPPER DECK (AIRCRAFT WITH PASSENGER-TYPE OXYGEN MASKS)

At cabin altitudes of 14,000 feet or greater, passenger oxygen masks will automatically drop from Passenger Service Units (PSU) located above the seat. When this occurs, immediately pull down gently on the mask to initiate oxygen flow and place the cup over your nose and mouth and breathe normally. The elastic band should then be placed over your head and tightened by pulling the tabs at each end of the band. Remain on oxygen until advised by the crew.

To initiate oxygen flow: Pull down gently, place cup over mouth and nose, and breathe normally.



LAVATORY

A passenger-type oxygen mask is installed in a PSU in the lavatory ceiling. The mask will automatically drop if cabin altitude reaches 14,000 feet. When this occurs, immediately pull down gently on the mask to initiate oxygen flow, place the cup over your nose and mouth and breathe normally. The elastic band should then be placed over your head and tightened by pulling the tabs at each end of the band. Remain on oxygen until advised by the crew.

A portable oxygen bottle installed in the lavatory, as indicated on the Emergency Equipment Location diagram, provides for supplemental oxygen when required. The oxygen cylinder has a shutoff valve, pressure gauge and disposable continuous flow mask. To use, open the shutoff valve, place the mask cup over nose and mouth and breathe normally.

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