

PORTABLE OXYGEN CYLINDER - MAINTENANCE PRACTICES

1. General

- A. A portable oxygen cylinder is mounted on the interior of the airplane. It is installed to the cabin seat tracks behind the most aft right seat forward of the cabin door at FS 256.95 between RBL 14.0 and RBL 23.5. This installation can be used to meet regulatory or operation necessary for the country where the airplane is registered. This installation can be used by an operator to meet their personal needs.

2. Description

- A. The portable oxygen cylinder has a capacity of 4.25 cubic feet. The constant flow pressure regulator has outlets for attaching two oxygen masks. Both masks are provided in the attached bag. Normal operating range is 150 to 1800 PSIG. A pressure gage is provided to indicate when servicing is required. The oxygen bottle regulator has an ON/OFF valve. In the ON position (full counterclockwise) oxygen is supplied at a constant flow and metered rate to the mask. For more detailed data related to the portable oxygen bottle refer to section 35-32-18, Description and Operation, AVOX Component Maintenance Manual found in the Introduction List of Publications.

3. Oxygen Cylinder Removal/Installation

- A. Remove the Oxygen Cylinder (Refer to Figure 201).
 - (1) Release quick-release clamp from around neck of cylinder.
 - (2) Carefully lift cylinder from bracket.

WARNING: A charged cylinder, when dropped or otherwise mishandled, can be extremely dangerous.

- B. Install the Oxygen Cylinder (Refer to Figure 201).
 - (1) Carefully put the cylinder in its correct in the bracket.
 - (a) Close the quick release clamps.

4. Adjustment/Test

- A. Do a check of the oxygen cylinder for correct pressure. Refer to Chapter 12, Oxygen System - Servicing, Table 303.

NOTE: For more data related to the portable oxygen bottle operating pressure refer to the AVOX Component Maintenance Manual 35-32-18, Subject - Assembly, found in the Introduction List of Publications.

5. Troubleshooting

- A. To troubleshoot the portable oxygen cylinder refer to AVOX Component Maintenance Manual, 35-32-28, Subject - Testing & Fault Isolation.

Figure 201 : Sheet 1 : Portable Oxygen Cylinder Installation

