OXYGEN SYSTEM - INSPECTION/CHECK

1. General

A. This section has the inspections and checks necessary to keep the oxygen system in a serviceable condition.

TASK 35-01-00-710

2. Oxygen System Operational Check

A. General

(1) This task gives the procedures to do an operational check of the oxygen system and the oxygen masks.

B. Special Tools

(1) None

C. Access

(1) None

D. Do a Detailed Inspection of the Oxygen System.

WARNING: When working on or around oxygen systems, always be alert for contaminants such as dirt or petroleum base materials. When mixed with contaminants, gaseous oxygen will explode.

(1) On the cockpit overhead panel, examine the control handle for condition, security, and correct cable attachment.

(2) Examine the gauge installation for condition and security.

(3) Examine the mounting structure of the control handle and gauge for condition and security.

(4) Examine all mask assemblies for condition, security of components, and cleanliness.

(5) Examine the hoses for condition, security of attachment at the mask and security of the hose connector.

(6) Examine the hose end for condition, wear, and cleanliness.

(7) Examine the oxygen system outlets in the cockpit and cabin overhead for condition, security, and cleanliness.

(8) Make sure that the system servicing is correct. Refer to Chapter 12, Oxygen - Servicing.

E. Do an Oxygen System Operational Check.

WARNING: Do not smoke or let any open flame near the airplane while maintenance or other work is done on the oxygen system. Make sure that all electrical power is disconnected and that airplane is properly grounded. In addition, oils, grease, and solvents may burn or explode spontaneously when contacted by oxygen under pressure.

NOTE: Perform this operational check on each oxygen mask and each outlet port installed in the airplane. Make sure that an adequate supply of oxygen is available for this test.

(1) Connect an oxygen mask to an outlet port.

(2) Operate the control handle from OFF to ON and check for ease of operation.

(3) Make sure that the flowmeter is fully in the GREEN band.

(4) Operate the control handle from the ON to the OFF position, and examine for ease of operation and positive shutoff of the handle.

(5) If the operational check of the mask is satisfactory, disconnect the mask and correctly stow it in the airplane.

(6) If the operational check of the mask is unsatisfactory, replace the mask.

(7) Service the oxygen system. Refer to Chapter 12, Oxygen - Servicing.

F. Restore Access

(1) None

END OF TASK

TASK 35-01-00-780

3. Oxygen Bottle Restoration (Hydrostatic Test)

A. General

(1) This task includes the steps necessary to do a restoration (hydrostatic test) of the oxygen cylinder.

B. Special Tools

(1) None

C. Access

(1) Remove the aft baggage partition to get access to the oxygen cylinder assembly.

D. Do the Oxygen Bottle Restoration (Hydrostatic Test).

WARNING: Make sure that personnel obey the safety precautions. Refer to Oxygen System - Maintenance Practices.

CAUTION: Oxygen cylinders and pressure regulators are supplied as assemblies. Removal, repair, and installation of the oxygen pressure regulators in the field can cause contaminants to enter the oxygen system.

CAUTION: Make sure that unserviceable pressure regulators or pressure regulators that need disassembly are interchanged for replacement oxygen cylinder and pressure regulator assemblies.

CAUTION: Make sure that the oxygen cylinder and the pressure regulator assemblies are disassembled, repaired, inspected, cleaned, hydrostatically tested, reassembled, and serviced by the manufacturer or other FAA approved facility.

NOTE: The pressure regulator is safety wired to the open position.

(1) Remove the oxygen cylinder. Refer to Oxygen System - Maintenance Practices.

(2) Send the oxygen cylinder to an approved service facility for the hydrostatic test.

(3) Install the oxygen cylinder. Refer to Oxygen System - Maintenance Practices.

(4) Do the servicing of the oxygen cylinder. Refer to Chapter 12, Oxygen System - Servicing.

(5) Install safety wire on the shutoff valve knob while the knob is in the ON position. Refer to Safetying - Maintenance Practices.

E. Restore Access

(1) Install the aft baggage partition.

END OF TASK
TASK 35-01-00-960

4. Oxygen Bottle Discard

A. General

(1) This task has the procedures for the discard of the oxygen cylinder.

B. Special Tools

(1) None

C. Access

(1) Remove the aft baggage partition to get access to the oxygen cylinder assembly.

D. Discard the Oxygen Bottle.

WARNING: Make sure that personnel obey the safety precautions. Refer to Oxygen System - Maintenance Practices.

CAUTION: Oxygen cylinders and pressure regulators are supplied as assemblies. Removal, repair, and installation of the oxygen pressure regulators in the field can cause contaminants to enter the oxygen system.

CAUTION: Make sure that unserviceable pressure regulators or pressure regulators that need disassembly are interchanged for replacement oxygen cylinder and pressure regulator assemblies.

CAUTION: Make sure that the oxygen cylinder and the pressure regulator assemblies are disassembled, repaired, inspected, cleaned, hydrostatically tested, reassembled, and serviced by the manufacturer or other FAA approved facility.

NOTE: The pressure regulator is safety wired to the open position.

(1) Remove the oxygen cylinder. Refer to Oxygen System - Maintenance Practices.

(2) Send the bottle to an authorized discard facility.

(3) Install a new oxygen cylinder. Refer to Oxygen System - Maintenance Practices.

(4) Do the servicing of the oxygen cylinder. Refer to Chapter 12, Oxygen System - Servicing.

(5) Install safety wire on the shutoff valve knob while the knob is in the ON position. Refer to Safetying - Maintenance Practices.

E. Restore Access

(1) Install the aft baggage partition.

END OF TASK