

Chapter 3

VENT HOSE
(Part No. OP.7380)

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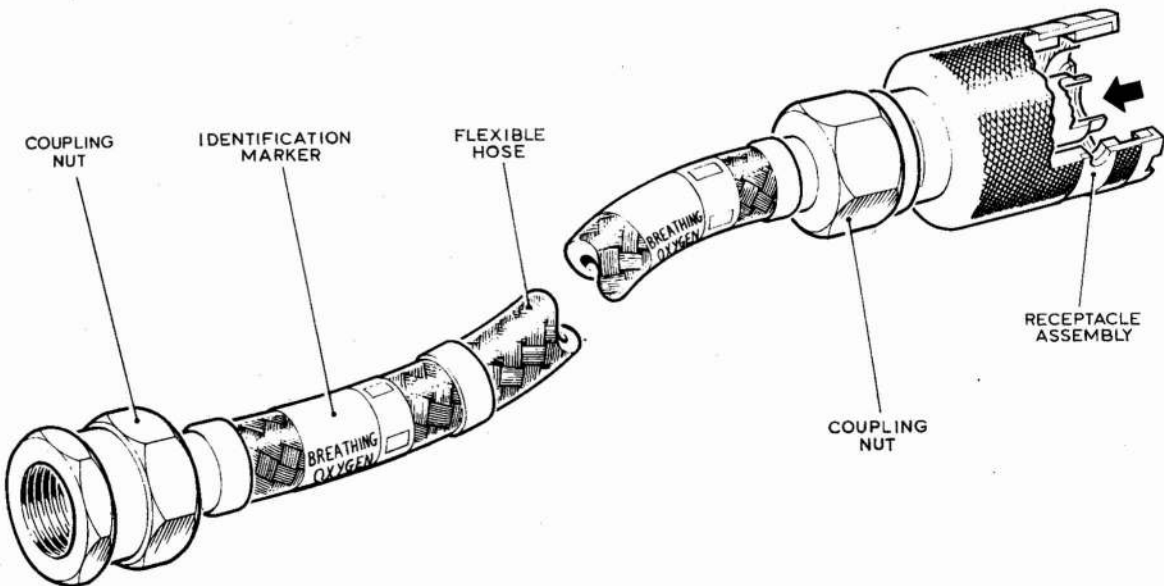


Fig. 1. Vent hose (Part No. OP.7380)

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Introduction

1. The vent hose is used in certain aircraft liquid oxygen installations. It provides an open connection to conduct vented gas from a liquid oxygen converter to atmosphere.

DESCRIPTION

2. The unit consists of a flexible hose which has a metal braided cover and a rotatable coupling nut fitted at each end. One coupling nut, at the hose inlet end, is fitted with a receptacle assembly of a liquid oxygen quick-disconnect coupling, Part No. 256000.

3. Identification markers are attached to the hose, and a protection plug fitted to the open coupling nut; this nut is for use for a standard 60° internal cone AGS.1100 fitting.

INSTALLATION

4. Information concerning the installation of the vent hose will be found in the relevant aircraft air

publication. The protection plugs fitted to the unit should not be removed until immediately prior to connecting the hose in the installation. It is essential that the receptacle assembly is free from moisture before it is connected to its associated plug assembly.

WARNING . . .

Many materials, particularly oil and grease, are subject to spontaneous combustion when exposed to undiluted oxygen under pressure. Precautions must be taken therefore, to exclude oil, grease, dust and metal particles from the unit.

SERVICING

5. Routine servicing consists of examining the unit for security of installation and freedom from deterioration, damage and corrosion. The quick-disconnect receptacle assembly should be periodically checked for satisfactory engagement and locking with its mating plug assembly.

Appendix 1

STANDARD SERVICEABILITY TESTS

for

VENT HOSE

(Part No. OP.7380)

Introduction

1. The tests described in this appendix should be applied before the vent hose is installed in aircraft, when the serviceability of the hose is in doubt and at the appropriate examination periods at Equipment Depots.

Test equipment

2. A quick-disconnect plug assembly (Part No. 256000-2) which has satisfied its standard serviceability tests is required for test purposes.

TEST PROCEDURE

WARNING . . .

Many materials, particularly oil and grease, are subject to spontaneous combustion when exposed to undiluted oxygen under pressure. Precautions must be taken, therefore, to exclude oil, grease, dust and metal particles from the unit and the test equipment.

Mechanical test

3. Check that the receptacle assembly on the vent hose can be engaged and locked with its mating plug assembly without undue effort. A similar check is to be applied to ensure that the assembly can be disconnected without undue effort.

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