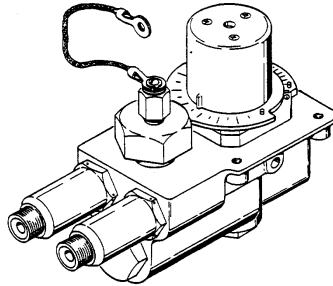


# SERVICE INFORMATION LETTER (SIL)

## Overhaul Recommendations Carleton P/N 2279 Series Oxygen Filler Valve

**OXYGEN – ATA CHAPTER 35****CAGE CODE: 04577**

This Service Information Letter was released by Carleton Technologies Inc. to assist customers who have previously requested information on ways to reduce unscheduled removals while providing the ability to forecast repairs and related maintenance expenses.

The overhaul recommendations listed in this SIL are provided by Carleton Technologies Inc. in an effort to assist owners and operators of aircraft with 2279 Series Oxygen Filler Valves installed.

### **A. SUBJECT**

This SIL recommends an overhaul frequency for the 2279 Series Oxygen Filler Valve and includes information about overhaul kits available from Carleton Technologies Inc. The overhaul kits contain the minimum recommended replacement parts Carleton typically recommends for replacement during overhaul.

Additionally, this SIL provides information about function testing requirements after an overhaul, however does not supercede Test Fault Isolation procedures found in the appropriate Component Maintenance Manual (CMM). Refer to Section C of this SIL to determine the appropriate CMM for affected top assembly part numbers.

### **B. APPLICABILITY**

This SIL is applicable to all aircraft where the 2279 Series Oxygen Filler Valve is installed, especially certain series of 737, 747, 757 and 777 model aircraft.

2279 Series Oxygen Filler Valve part numbers affected by this SIL are:

2279-001-1	2279-002-1	2279-003-1	2279-003-11	2279-003-13
2279-003-15	2279-003-17	2279-004-1	2279-005-1	2279-006-1

**C. REFERENCES**

Service and overhaul of a 2279 Series Oxygen Filler Valve must be done in accordance with the applicable ATA Component Maintenance Manual issued by Carleton Technologies Inc. Refer to the table below to identify which CMM to use for a particular top assembly part number.

Carleton Top Assembly P/N	Applicable ATA CMM	CMM Rev. No. / Rev. Date
2279-001-1	35-09-01	Rev. 7 / June 27, 2002
2279-002-1	35-09-01	Rev. 7 / June 27, 2002
2279-003-1	35-09-01	Rev. 7 / June 27, 2002
2279-004-1	35-09-01	Rev. 7 / June 27, 2002
2279-005-1	35-09-01	Rev. 7 / June 27, 2002
2279-006-1	35-09-01	Rev. 7 / June 27, 2002
2279-003-11	35-09-03	Rev. 7 / Aug. 3, 2001
2279-003-13	35-09-03	Rev. 7 / Aug. 3, 2001
2279-003-15	35-09-03	Rev. 7 / Aug. 3, 2001
2279-003-17	35-09-03	Rev. 7 / Aug. 3, 2001

**D. RECOMMENDED ACTIONS**

- Overhaul Frequency** - Perform an overhaul every five years for the 2279 Series Oxygen Filler Valve. An overhaul frequency less than 5 years may be necessary due to prolonged service, contamination or severe in-service conditions.
- Parts Replacement** – Use the correct overhaul kit listed in the table below. Overhaul Kit P/Ns 2279-9001 or P/N 2279-9002 contain the minimum recommended replacement parts for an overhaul of the 2279 Series Oxygen Filler Valve.

Carleton Top Assembly P/N	Applicable Overhaul Kit P/N
2279-001-1	2279-9001
2279-002-1	2279-9001
2279-003-1	2279-9002
2279-004-1	2279-9002
2279-005-1	2279-9002
2279-006-1	2279-9002
2279-003-11	2279-9001
2279-003-13	2279-9002
2279-003-15	2279-9001
2279-003-17	2279-9001

Refer to Tables 1 and 2 in this SIL for a complete list of parts contained in Overhaul Kit P/Ns 2279-9001 and 2279-9002. Refer to the appropriate CMM for information about parts contained in the kit that may require replacement during overhaul or other maintenance operations.

- Functional Testing** – Functional Testing must be completed in accordance with the applicable CMM after an overhaul on the 2279 Series Oxygen Filler Valve.

**E. INSTRUCTIONS**

- Use the appropriate CMM and overhaul kit part number information contained in this SIL to do an overhaul of the 2279 Series Oxygen Filler Valve.
- Any overhaul performed on this apparatus shall be done by those facilities experienced in, or by personnel knowledgeable in high pressure aviation oxygen equipment. Contact Carleton Technologies for information regarding getting an oxygen filler valve overhauled at Carleton’s facilities. See Paragraph G for information on how to contact Carleton Technologies, Inc.

TABLE 1  
PARTS CONTAINED IN OVERHAUL KIT P/N 2279-9001

PART NUMBER	DESCRIPTION	QUANTITY
1005-0033B23	Screw	3
1000-0080-124	O-Ring, Preformed	1
1005-0033B29	Screw	4
2279-501-003-1	Gasket, Valve Stem	1
2279-501-004-1	Gasket	1
2279-501-012-1	Gasket	1
2279-501-5-1	Flow Insert Assy.	1
2279-501-021-1	Gasket	1
2279-501-019-1	Gasket	1
2279-501-027-1	Seat, Valve Inlet	1
2279-501-020-1	Socket Head, Setscrew	1
2279-501-009-1	Gasket	2
1588-501-504-1	Gasket	1
1588-501-503-1	Filter	1
1588-501-503-2	Filter	1
1588-501-503-3	Filter	1
1010-0001-025	Wire Seal	2
2279-501-029-1	Gasket	1

TABLE 2  
PARTS CONTAINED IN OVERHAUL KIT P/N 2279-9002

PART NUMBER	DESCRIPTION	QUANTITY
1005-0033B23	Screw	3
1000-0080-124	O-Ring, Preformed	1
1005-0033B29	Screw	4
2279-501-003-1	Gasket, Valve Stem	1
2279-501-004-1	Gasket	1
2279-501-012-1	Gasket	1
2279-501-5-1	Flow Insert Assy.	1
2279-501-021-1	Gasket	1
2279-501-019-1	Gasket	1
2279-501-027-1	Seat, Valve Inlet	1
2279-501-020-1	Socket Head Setscrew	1
2279-501-009-1	Gasket	2
1010-0001-025	Wire Seal	2
2279-501-029-1	Gasket	1

**F. WARRANTY INFORMATION**

Carleton warranty remedies are not applicable to the subject(s) covered in this SIL.

**G. CONTACT CARLETON TECHNOLOGIES:**

- A. To get a 2279 Series Oxygen Filler Valve overhauled, contact Carleton at +1 (716) 662-0006 or [www.carltech.com](http://www.carltech.com).
- B. To buy overhaul kits or parts, contact Carleton at +1 (716) 662-0006 or [www.carltech.com](http://www.carltech.com).