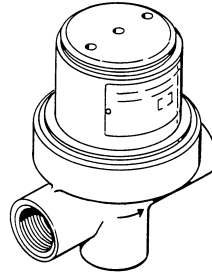


SERVICE INFORMATION LETTER (SIL)

Overhaul Recommendations Carleton P/N 1-6-05-20 Oxygen Pressure Regulator

**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 activity.

The overhaul recommendations listed in this SIL are provided by Carleton Technologies Inc. in an effort to assist owners and operators of aircraft with P/N 1-6-05-20 Oxygen Pressure Regulators installed.

A. SUBJECT

This SIL recommends the overhaul frequency for the 1-6-05-20 Oxygen Pressure Regulator.

Included in this SIL will be information about the minimum recommended replacement parts Carleton recommends during overhaul of this regulator.

Additionally, this SIL provides information about functional test requirements after an overhaul for P/N 1-6-05-20 Oxygen Pressure Regulator. However, it 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 P/N 1-6-05-20 Oxygen Pressure Regulator.

B. APPLICABILITY

This SIL is applicable to all aircraft where the 1-6-05-20 Oxygen Pressure Regulator is installed, especially certain series of 747 model aircraft.

C. REFERENCES

Service and overhaul of a 1-6-05-20 Oxygen Pressure Regulator must be done in accordance with Carleton Technologies issued ATA Component Maintenance Manual 35-20-01, currently Revision 7 dated January 24, 2008.

D. RECOMMENDED ACTIONS

1. **Overhaul Frequency** - Perform an overhaul every five years for the 1-6-05-20 Oxygen Pressure Regulator. An overhaul frequency less than 5 years may be necessary due to prolonged service, contamination or severe in-service conditions.
2. **Parts Replacement** - Replace all parts listed in the CMM when performing an overhaul for P/N 1-6-05-20 Oxygen Pressure Regulator.

Use Overhaul Kit P/N B18799-1 when performing an overhaul for the P/N 1-6-05-20 Oxygen Pressure Regulator. The overhaul kit contains the minimum recommended replacement parts. Refer to Table 1 in this SIL for a complete list of parts contained in Overhaul Kit P/N B18799-1. Refer to the CMM for information about parts contained in the kit that may require replacement during overhaul or other maintenance operations.

3. **Functional Testing** - Functional Testing must be completed in accordance with the CMM after an overhaul on the 1-6-05-20 Oxygen Pressure Regulator.

E. INSTRUCTIONS

- Use the CMM and replacement parts information contained in this SIL to do an overhaul of the 1-6-05-20 Oxygen Pressure Regulator.
- 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 a regulator overhauled at Carleton's facility. See Section G for information on how to contact Carleton Technologies, Inc.

TABLE 1
PARTS CONTAINED IN OVERHAUL KIT P/N B18799-1

IPL Item Number	Part Number	Description	Quantity
10, 25	1045-0010-158	Ball, .125 in. dia.	2
35	1005-0009D002	Screw, Cap	2
40	1030-0013-0200 (Refer to Note 1)	Lock Plug	1
80	2320-501-005-1	Ring, Slip	1
85	1000-0009-005	Bal-Seal	1
115, 145	2320-501-025-1	Filter Seal Ring	2
120	2320-501-016-1	Filter	1
135	2320-501-015-1	Seat, Valve	1
140	1000-0029-002	Metallic O-ring	1
150	2320-501-003-1	Gasket	1
160	1030-0012-0400 (Refer to Note 2)	Lock Plug	1
	1009-0006-105 (Refer to Note 3)	Port Plug	1
	1009-0006-106 (Refer to Note 3)	Port Plug	1
	B42256-1	Instruction Sheet	1

Note 1: Use this item IAW Notes 4 and 6 of P/N B42256-1 Instruction Sheet to produce qty. 2 P/N 1030-0012-23 lock plug required for overhaul.

Note 2: Use this item IAW Notes 2 and 6 of P/N B42256-1 Instruction Sheet to produce qty. 2 P/N 1030-0012-46 lock plug required for overhaul.

Note 3: These items (or equivalent non-shredding oxygen compatible plugs) are to be installed to protect against contamination during handling and transportation.

F. WARRANTY INFORMATION

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

G. CONTACT CARLETON TECHNOLOGIES

- A. To get a P/N 1-6-05-20 Oxygen Pressure Regulator Assembly overhauled, contact Carleton at +1 (716) 662-0006 or www.carltech.com.
- B. To buy overhaul kits or parts, contact Carleton at +1 (716) 662-0006 or www.carltech.com.