

SERVICE INFORMATION LETTER (SIL)

MINIMUM NECESSARY PARTS REPLACEMENT DURING OVERHAUL OF PANEL MOUNTED REGULATORS



A. SUBJECT

This SIL informs all airframe manufacturers, operators and MRO providers that Cobham Mission Systems Orchard Park Inc. (CMS-OP) will only offer overhaul kits for sale for the overhaul of panel mounted regulators that are installed in several military type aircraft.

To date, there is evidence to support that contaminated oxygen components were responsible for fires that resulted in the loss of aircraft. Due to the hazards associated with high-pressure oxygen; all regulators requiring repair, overhaul or testing shall be fully disassembled, verified cleaned per Technical Order (TO) 15X-1-1, then re-assembled and tested in accordance with the applicable TO.

Because of needed complete disassembly and cleaning of the regulator, CMS-OP will no longer offer for sale component parts exposed to the flow of undiluted oxygen in the regulator. Most, if not all of these component parts cannot be re-used after disassembly. Therefore, only overhaul kits will be offered to ensure the regulators are maintained correctly.

This SIL only provides facts about the minimum necessary parts to be replaced during overhaul. Other parts outside of the overhaul kit found to be discrepant during inspection or disassembly must be replaced. The SIL does not change any procedure in the applicable TO.

9E610 CONTROLLED TECHNOLOGY

THESE COMMODITIES, TECHNOLOGIES OR SOFTWARE ARE CONTROLLED BY THE EXPORT ADMINISTRATION REGULATION (EAR). ANY EXPORT OR DEEMED EXPORT FROM THE UNITED STATES MUST ADHERE TO THE EAR AND THE RESTRICTIONS IMPOSED BY ECCN 9E610. DIVERSION CONTRARY TO U.S. LAW IS PROHIBITED.

X-Ref: CRM-4108
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Cobham Mission Systems Orchard Park Inc.
10 Cobham Drive • Orchard Park, NY 14127
Telephone: 716-662-0006 FAX: 716-662-0747
Website: www.cobham.com

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B. APPLICABILITY

This SIL is applicable to all aircraft where the panel mounted oxygen regulators are installed, especially certain models of A-10, B-52, C-130, C-141, P-3, C-17, E-3, E-8, F-5, F-16 and T-38.

CRU designations of panel mounted oxygen regulators affected by this SIL include, but are not limited to:

CRU-21/A	CRU-49/A	CRU-57/A	CRU-73/A
CRU-44/A	CRU-52/A	CRU-67/A	CRU-92/A
CRU-47/A	CRU-54/A	CRU-68/A/A	CRU-96/A
CRU-48/A	CRU-55/A	CRU-72/A	CRU-97/A

Any panel mounted oxygen regulator meeting the military performance specifications below may also be affected by this SIL.

MIL-R-25410 MIL-R-25916 MIL-R-83178 MIL-PRF-83178 MD-2

C. REFERENCES

Overhauling an oxygen panel mounted regulator must be performed in accordance with the most current revision of the applicable United States Air Force (USAF) Technical Order (TO) or OEM equivalent document.

D. ACTIONS

Perform an overhaul every five (5) years for a panel mounted oxygen regulator assembly. However, an overhaul frequency of less than 5 years may be necessary due to prolonged service, contamination or severe in-service conditions.

E. INSTRUCTION

The appropriate USAF TO and overhaul kit shall be used to perform an overhaul on the panel mounted oxygen regulator assembly. 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 CMS-OP for information regarding having a regulator overhauled at CMS-OP facilities.

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F. WARRANTY INFORMATION

Not applicable.

G. CONTACT INFORMATION

Questions or inquiries can be directed to:

Cobham Mission Systems Orchard Park Inc.
10 Cobham Drive
Orchard Park, NY 14127
Attention: Environmental Systems
Web Site: www.cobham.com

Keith Webb
Phone Number: +1 (716) 662-0201
keith.webb@cobham.com

Lauren Russo
Phone Number: +1 (716) 662-0580
AOG Phone Number: +1 (716) 479-7013
lauren.russo@cobham.com

CMS-OP publishes an Index of Publications. It defines the latest revision of each document. The Index of Publications can be found at this link:

<http://www.cobham.com/mission-systems/customer-service/service-and-support/orchard-park/technical-publications/>

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