OXYGEN - TRANSMITTAL OF SCOTT AVIATION SERVICE LETTER SIL-35-24 895 SERIES - CYLINDER AND REGULATOR ASSEMBLY (CRA)

EFFECTIVITY

<table>
<thead>
<tr>
<th>MODEL</th>
<th>SERIAL NUMBERS</th>
</tr>
</thead>
<tbody>
<tr>
<td>750</td>
<td>-0001 thru -0079</td>
</tr>
</tbody>
</table>

The equivalent of this service letter has been incorporated on production airplanes -0080 and On.

REASON

To transmit Scott Aviation Service Letter SIL-35-24 895 Series - Cylinder and Regulator Assembly (CRA).

DESCRIPTION

This service letter transmits Scott Aviation Service Letter SIL-35-24 895 Series - Cylinder and Regulator Assembly (CRA).

COMPLIANCE

INFORMATIONAL. Refer to the attached Scott Aviation Service Letter SIL-35-24.

MANPOWER

<table>
<thead>
<tr>
<th>WORK PHASE</th>
<th>MAN-HOURS</th>
</tr>
</thead>
</table>
| Refer to attached service letter | *

REFERENCES

Scott Aviation Service Letter SIL-35-24 895 Series - Cylinder And Regulator Assembly (CRA)

PUBLICATIONS AFFECTED

None

ACCOMPLISHMENT INSTRUCTIONS

1. Accomplish the attached Scott Aviation Service Letter SIL-35-24 895 Series - Cylinder And Regulator Assembly (CRA).
2. Record that this service letter has been completed.
   A. Complete a Maintenance Transaction Report.
   B. Put a copy of the completed Maintenance Transaction Report in the airplane logbook.
   C. Send a copy of the completed Maintenance Transaction Report to: CESCOM, P.O. Box 7706, Wichita, KS 67277.
SERVICE INFORMATION LETTER

Scott Aviation • A Scott Technologies Company • Tyco International
225 Erie Street • Lancaster, NY 14086-9502 • USA
Tel: 716-683-5100 • Fax: 716-681-1089 • Web Site: www.scottaviation.com

OXYGEN - ATA CHAPTER 35

VENDOR CODE: 53655

P/N 895 SERIES – CYLINDER AND REGULATOR ASSEMBLY (CRA)

SCOTT AVIATION RECOMMENDS FOR AN OVERHAUL:
- OVERHAUL PERIOD,
- MINIMUM NECESSARY PARTS TO REPLACE,
- KITS OF MINIMUM NECESSARY PARTS TO REPLACE, AND
- NECESSARY FUNCTIONAL TESTS AFTER AN OVERHAUL

1. BACKGROUND

This SIL recommends the overhaul period for the 895 Series Cylinder and Regulator Assembly (CRA). This SIL identifies the minimum parts to replace during an overhaul. This SIL includes facts about kits that contain all of the minimum necessary parts to be replaced in an overhaul. This SIL gives information about functional testing required after an overhaul. This SIL does not change any procedures in the CMM except as noted.

You are given authority to make copies of this SIL and give them to other persons. If you make a copy of this SIL, you must make a copy of all of the SIL.

2. EFFECTIVITY

A. Aircraft

Any aircraft that uses the Scott 895 Series Cylinder and Regulator Assembly (CRA).

B. Cylinder and Regulator Assembly (CRA)

Any Scott 895 Series CRA that includes the regulators listed in Table 1.

C. Regulators

(1) Regulator part numbers that are affected by this SIL are listed in Table 1.

<table>
<thead>
<tr>
<th>AFFECTED REGULATOR PART NUMBERS</th>
</tr>
</thead>
<tbody>
<tr>
<td>803213-01</td>
</tr>
<tr>
<td>803213-02</td>
</tr>
<tr>
<td>803213-03</td>
</tr>
<tr>
<td>803213-04</td>
</tr>
<tr>
<td>803213-05</td>
</tr>
</tbody>
</table>
2. EFFECTIVITY (CONTINUED)

D. Component Maintenance Manual (CMM)

Scott CMM 35-21-80 (current revision 1 dated SEPT 30/99) is necessary to do an overhaul. After the CMM is revised to incorporate this SIL, this SIL will not be applicable to the CMM. See Section 7 of this SIL on how to contact Scott Aviation for revision status of technical publications.

3. SCOTT AVIATION RECOMMENDS FOR AN OVERHAUL:

A. Overhaul Period

   (1) Do an overhaul every six years for the 895 Series CRA (e.g., when every other hydrostatic test of the cylinder is done) or more frequently.

B. Minimum Necessary Parts to Replace for an Overhaul

   (1) Overhaul Kit P/N 806013-01 contains the minimum necessary parts to replace for an overhaul of the 895 Series CRA with exceptions noted in Table 2. You must replace other parts if they are defective.

C. Functional Tests that are Necessary After an Overhaul

   You must do all the functional tests in the CMM after you do an overhaul on the 895 Series CRA. You must follow all applicable procedures in the CMM when you do an overhaul. This SIL does not change the test procedures in the CMM.

4. ACCOMPLISHMENT INSTRUCTIONS

An overhaul must be done by personnel knowledgeable in the repair of high-pressure aviation oxygen equipment. An overhaul must be done in a facility that is approved for the repair of high-pressure aviation oxygen equipment. Contact Scott Aviation for locations of repair facilities authorized to repair Scott oxygen equipment. See Section 7 of this SIL for contact instructions.

You must use all the necessary special tools and test equipment recommended in the CMM. Equivalent special tools and test equipment may be substituted. All tools and test equipment used to repair high-pressure aviation oxygen equipment must be calibrated. You must do the calibrations how and when your applicable national standards organization recommends. You must use tools that are clean for oxygen use.

A. Use the CMM and this SIL to do an overhaul of the CRA.

B. Write in your aircraft logs that an overhaul was done on the CRA.

5. DISASSEMBLY

NOTE: If removed during disassembly, discard and replace the following parts: stem valve assembly (30, IPL Figs. 2 thru 5), valve core (330, 350, IPL Figs. 2, 4, 5), preformed packing (40, IPL Figs. 2 thru 5), bal-seal (55, IPL Figs. 2 thru 5), metal boss seal (25, IPL Figs. 2 thru 5), screen filter (320, IPL Figs. 2 thru 5), safety disc [P/N 10003742 or 10006001 (305, IPL Figs. 2 thru 5)], safety gasket (310, IPL Figs. 2 thru 5), valve body assembly (70, IPL Figs. 2 thru 5), preformed packing (75, IPL Figs. 2 thru 5), self-locking screw (255, IPL Figs. 2, 3), self-locking nut (155, IPL Fig. 2), locking washer (195, IPL Figs. 4, 5), self locking nut (190, IPL Fig. 2)
TABLE 2
PARTS CONTAINED IN OVERHAUL KIT P/N 806013-01
FOR THE 895 SERIES CRA
(Refer to Notes 1 thru 7)

<table>
<thead>
<tr>
<th>KIT ITEM NUMBER</th>
<th>PART NUMBER</th>
<th>NOMENCLATURE</th>
<th>QUANTITY PER KIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>800207-00</td>
<td>STEM, VALVE ASSEMBLY</td>
<td>1</td>
</tr>
<tr>
<td>2</td>
<td>57524-00</td>
<td>CORE, VALVE</td>
<td>2</td>
</tr>
<tr>
<td>3</td>
<td>50740-01</td>
<td>PACKING, PREFORMED (Refer to Note 6)</td>
<td>1</td>
</tr>
<tr>
<td>4</td>
<td>59878-00</td>
<td>BAL-SEAL, #300-020</td>
<td>1</td>
</tr>
<tr>
<td>5</td>
<td>59776-01</td>
<td>SEAL, METAL BOSS</td>
<td>1</td>
</tr>
<tr>
<td>6</td>
<td>8820-10</td>
<td>FILTER, SCREEN</td>
<td>2</td>
</tr>
<tr>
<td>7</td>
<td>10006001</td>
<td>DISC, SAFETY (Refer to Note 7)</td>
<td>1</td>
</tr>
<tr>
<td>8</td>
<td>6555-00</td>
<td>GASKET, SAFETY PLUG</td>
<td>1</td>
</tr>
<tr>
<td>9</td>
<td>801803-00</td>
<td>BODY ASSEMBLY, VALVE</td>
<td>1</td>
</tr>
<tr>
<td>10</td>
<td>18003-00</td>
<td>PACKING, PREFORMED</td>
<td>1</td>
</tr>
<tr>
<td>11</td>
<td>10007353</td>
<td>SCREW, SELF-LOCKING (Refer to Note 3)</td>
<td>1</td>
</tr>
<tr>
<td>12</td>
<td>33478-201</td>
<td>NUT, SELF-LOCKING (Refer to Note 4)</td>
<td>1</td>
</tr>
<tr>
<td>13</td>
<td>33459-042</td>
<td>WASHER, LOCKING (Refer to Note 2)</td>
<td>3</td>
</tr>
<tr>
<td>14</td>
<td>33479-003</td>
<td>NUT, SELF-LOCKING (Refer to Note 5)</td>
<td>3</td>
</tr>
</tbody>
</table>

Note 1: The overhaul kit contains the minimum necessary parts to replace in an overhaul of one 895 Series CRA. Not all parts provided in the overhaul kit are required for the overhaul of some regulator assemblies. Discard any unused parts. See Notes 2 thru 5. See Section 7 of this SIL for instructions to buy an overhaul kit.

Note 2: Locking Washer P/N 33459-042 is required only when overhauling regulator assemblies P/N 803215-01 and P/N 803215-03.

Note 3: Self-Locking Screw P/N 10007353 is required only when overhauling regulator assemblies P/N 803213-12 and P/N 803213-15 thru -18.

Note 4: Self-Locking Nut P/N 33478-201 is required only when overhauling regulator assemblies P/N 803213-12 and P/N 803213-15 thru -18.

Note 5: Self-Locking Nut P/N 33479-003 is required only when overhauling regulator assemblies P/N 803214-01 thru -03, 803215-01, -03, 803213-12 and 803213-15 thru -18.

Note 6: Preformed Packing P/N 50740-01 replaces Preformed Packing P/N 57854-00.

Note 7: Safety Disc P/N 10003742 may be substituted for Safety Disc P/N 10006001. Safety Disc P/N 10003742 is not included in the overhaul kit.
6. ASSEMBLY

A. Add the following to Table 701 Special Tools, Fixtures and Test Equipment, Page 702 of CMM 35-21-80

<table>
<thead>
<tr>
<th>NOMENCLATURE</th>
<th>PART NUMBER (or DESCRIPTION)</th>
<th>MANUFACTURER (VENDOR CODE)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Installation Tool for Safety Adapter (295)</td>
<td>SPN 2786S52-1</td>
<td>Scott Aviation</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Lancaster, NY 14086-9502</td>
</tr>
<tr>
<td></td>
<td></td>
<td>USA (V53655)</td>
</tr>
</tbody>
</table>

7. TO CONTACT SCOTT AVIATION:

A. To get an overhaul of an 895 Series CRA or to have it repaired, contact any Scott Authorized Repair and Overhaul Facility. Refer to the Scott web site (www.scottaviation.com) for a list of authorized facilities.

B. To buy kits, parts, or tools, contact any Scott Authorized Distributor. Refer to the Scott web site (www.scottaviation.com) for a list of distributors.

C. To get technical aid, contact the Scott Technical Support Department.
   - Telephone: 1-716-683-5100
   - Fax: 1-716-681-1089
   - E-Mail: sa-customerservice@tycoint.com

D. To get a copy of the CMM or the revision status of a publication, contact the Scott Technical Publications Department. Give the aircraft model when you send an order for a CMM copy.
   - Telephone: 1-716-683-5100
   - Fax: 1-716-681-1089
   - E-Mail: techpubs@tycoint.com
   - Publications Index: log onto www.scottaviation.com; click on Aviation/Government Products, click on Aviation Product Information, click on Technical Product Information

   Note: The steps to get the Publications Index from the Scott Aviation web site can and will change in the future because of changes to the web site.