

FOR IMMEDIATE RELEASE:

Co-Operative Industries Introduces an Improved B757 Lavatory Hose Design

Fort Worth, TX – October 2008 – In response to problems experienced by the current design, Co-Operative Industries has introduced an improved Lavatory Supply Hose for use on the Boeing 757-200. The new FAA PMA approved design features improved strength and flexibility along with corrosion resistant fittings and collars. The improved lavatory hose is also resistant to heat, abrasion, kinking, chlorines, and repeated freezing.



The original OEM hose design has resulted in consistent failures in the field. It is subject to cracked and punctured elbow fittings that result in aircraft delays and cancellations. Co-Operative Industries' upgraded lav hose design offers a solution to this problem. The improved hose assembly features a stainless steel elbow with a wall thickness that is double that of the original design. The silicone hose material provides insulation and flexibility, while offering the added strength and durability of Kevlar®, Stainless Steel, and Nomex® overbraids.

“This design is considered form, fit and functionally interchangeable with its predecessor. In comparison of price, the Co-Op design offers a significant cost savings. Our kick-off operator has had the upgraded hose in service

for a number of years with no failures and excellent operational results,” states David Wright, VP of Business Development. Co-Operative Industries Lavatory Hose Assemblies are interchangeable with Boeing P/Ns 10-60871-363, 10-60871-365, and AS4471-12-0260.

Co-Operative Industries is an ISO9001:2000 and AS9100B registered company based in Fort Worth, Texas. The company designs and manufactures electrical wiring interconnects, ignition leads, and flexible conduits for airframe, engine, ground support equipment, and space applications. In addition to manufacturing capabilities, Co-Operative Industries also provides Part 145 repair services such as check & test, overhaul and repair, and S/B incorporation for many of the aircraft wiring harnesses in service today.

For additional information on Co-Operative Industries Aerospace or the services offered, please contact:

For Sales Orders:

Sales
Co-Operative Industries Aerospace
5133 Northeast Parkway
Fort Worth, TX 76106

Phone: 817-740-4700
Fax: 817-624-4282
email: solutions@coopind.com
Web: <http://www.coopind.aero/>

For Technical Questions:

Dave Wright, VP of Business Development
Co-Operative Industries Aerospace
39 Comanche Court
Palm Coast, FL 32137

Phone: 678-376-5588 Cell: 678-296-3719
Fax: 678-889-8926
email: davedwright@bellsouth.net

Improved Design for the **B757 LAVATORY HOSE**

Data Sheet for Co-Operative Industries Aerospace Part Number 301504

The Problem: Consistent Failures

The current hose design results in consistent failures in the field. The original design is subject to cracked and punctured elbow fittings that result in aircraft delays and cancellations. These failed conditions cause the operators expensive and unscheduled out of service maintenance to clean spillage and replace the failed hose assembly.

During normal operation (especially in winter months) the lavatory service fluid can freeze in the elbow area, obstructing the flow of addition fluid from the service truck to the aircraft's clean fluid holding tank. In an effort to remove the ice build up and open the flow, ground maintenance crews will typically use a sharp tool to chip away the ice buildup. Over time, the use of sharp tools results in damage to the 90° metal elbow causing a leak.

The Solution: Upgraded Design with Reduced Cost

Co-Operative Industries' upgraded lav hose design is in response to this problem. Our improved hose assembly features an elbow with a wall thickness that is double that of the original design. This 0.065", 316 stainless steel elbow guards against the sharp tools used to dislodge ice buildup. The silicone hose material provides better insulation and flexibility, while offering the added strength and durability of Kevlar®, Stainless Steel, and Nomex® overbraids. This combination of materials and fittings assures a burst pressure rating of 250 psi.

This design is considered form, fit and functionally interchangeable with its predecessor. In comparison of price, you will find our design offers a significant cost savings. Other airlines have been successfully operating this upgraded service hose with excellent operational results.

Advantages & Specifications

- Improved strength and flexibility
- Kink and crush resistant
- Heat and abrasion resistant
- Resistant to hydrolysis and stress cracking
- Resistant to chlorine and liquid detergents
- Resistant to repeated freezing
- Accepts fluid temperature ranges of 0° F to 225° F
- Working Pressure: the hose is rated at 60 psi, but easily withstands operating pressures of 250 psi without failure.



Construction

- Three Braid layers of Kevlar®, stainless steel wire and Nomex®
- Corrosion resistant stainless Steel fittings and collars
- Our thicker silicone tube wall provides improved insulation and flexibility
- Doubled wall thickness of 0.065" at the elbow area

Interchangeability

Co-Operative Industries Lavatory Hose Assembly P/N 301504 is interchangeable with:

- Boeing P/N 10-60871-363
- Boeing P/N 10-60871-365
- AS4471-12-0260

Contact Us

For details and additional information please contact:

Dave Wright
VP Product Development
Tel: 678-376-5588
Cell: 678-296-3719
Fax: 678-889-8926
Email: davedwright@bellsouth.net