

Advisory Wire

REFERENCE NO: AW700-38-0672

INFORMATION
TYPE:

Maintenance
Operational

ATA: 38

EFFECTIVITY:

Global Express
(9002 – 9153)

SUBJECT:
**Waste System - Magair Toilet
Assembly – Reliability
Improvement**

1. REFERENCES:

- 1.1. Water/Waste - Waste System - Modification of the PN 15730-001 Series Magair Toilet Assembly for Additional Suction Filter Installation [SB 15730-38-006](#)
- 1.2. Component Maintenance Manual Magair Toilet Assembly 38-31-42.

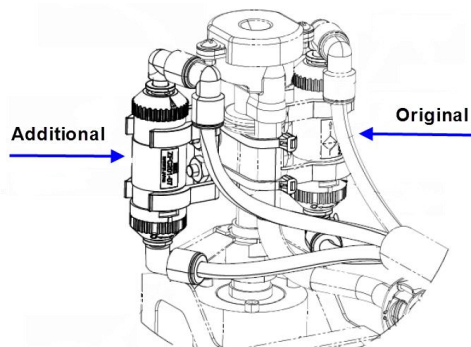
2. INTRODUCTION:

The intent of this Advisory Wire is to inform operators of the importance to implement the Zodiac Aerospace Vendor Service Bulletin (VSB) (Ref 1.1). Recent analysis has shown that several toilet removals could have been avoided if the modification had been accomplished. This VSB has been proven to meet expectations, improving the reliability of the Waste System of the Magair Toilet System PN 15730-001-series.

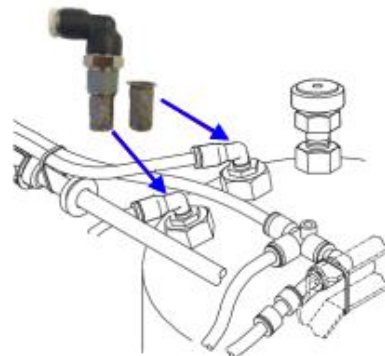
3. DESCRIPTION:

Following the low reliability of the Magair Toilet Assembly, Bombardier and Zodiac Aerospace analyzed the operational failures. The analysis revealed that most of the failures were related to the pressure switches being contaminated from waste debris migrating through the tubing system.

To improve the waste system, an additional suction filter and new strainers are implemented to protect the pressure switches from contamination debris.



Line Suction Filters



Elbows with Strainer

Advisory Wire

Since the release of the VSB (Ref 1.1), the latest reliability records show a significant Magair Toilet Waste System reliability improvement. In various events, the embodiment of the SB would have prevented unnecessary aircraft downtime or AOG situations.

4. ACTION:

To improve the waste systems overall reliability, Bombardier and Zodiac Aerospace recommend operators to implement the VSB (Ref 1.1) at the next scheduled maintenance, or at 15 months scheduled inspection (Ref 1.2).

Should you have further technical questions, please contact your Bombardier Field Service Representative (FSR) or the Customer Response Center (CRC) 24/7.