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## TECHNICAL NOTE TN-1073

### Tait Orca Battery Improvements & Introduction Dates

19 August 2005

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#### Applicability

This Technical Note applies to all TOPB200, TOPB400, TOPB500 and TOPB800 batteries produced with serial numbers greater, or dates after those listed in the table below.

Note: This Technical Note does not apply to the TOPB100, TOPB600 or TOPB700 as these products are to be made obsolete.

## 1. Introduction

Based on field feedback, the Tait Orca battery pack has been redesigned to incorporate several changes that make servicing the pack easier and will result in more reliable operation for customers.

## 2. Improvements to the Battery Pack

#### What has changed?

- The surface area of the bottom contacts is now larger; this improves access to the contacts and allows easier cleaning of the battery contacts should they become dirty.
- The bottom contacts are now less recessed in the battery case; this improves access to the contacts and allows easier cleaning of the battery contacts should they become dirty.
- The bottom contacts on the battery are now gold plated and are therefore less susceptible to corrosion.

## 3. Introduction Date

The table below details the introduction dates for the improved batteries.

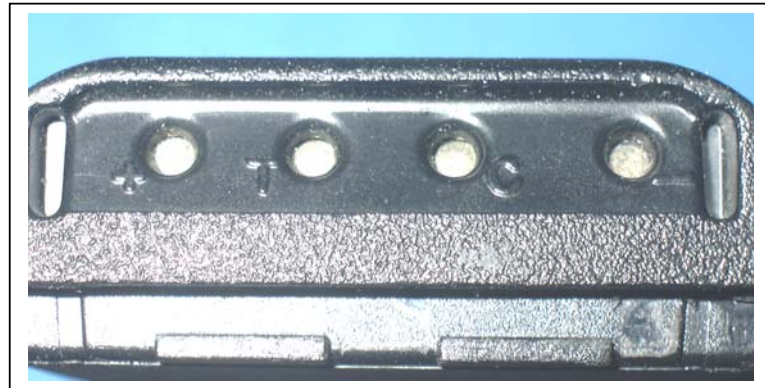
Battery Type	Introduction Date	First Serial Number
TOPB400	TBA	TBA
TOPB4U0	TBA	TBA
TOPB200	14 July 2005	15525509
TOPB2U0	14 July 2005	15525559
TOPB200-IF	22 August 2005	15533015
TOPB500	15 July 2005	15526009
TOPB5U0	21 July 2005	15527529
TOPB500-IF	19 August 2005	15532975
TOPB800	27 May 2005	15514249

**Note: This Technical Note will be updated as the improved battery types are introduced.**

## 4. Before and After Images of the Battery Pack

### Battery Before Improvements

The image below shows the bottom contacts of a battery without the improvements.



### Battery After Improvements

The image below shows the bottom contacts of a battery with the improvements.



### Compliance Issues

None

### CSO Instruction

Please inform all sales, logistics and technical staff of the introduction of the improved battery.

## 5. Issuing Authority

### Name and Position of Issuing Officer

Tim Lummis  
Technical Support Engineer

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### Document History

Original Release	19 August 2005	TPL
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