



Technical Support

TECHNICAL NOTE

Technical Note TN-796

Tait Orca Vehicle Kit Firmware Upgrade to V1.05

2 September 2003

Applicability

This Technical Note applies to all new Tait Orca Vehicle Kits (TOPA-VK-002A), and Vehicle Kit Spares (TOPA-SP-301) built after 22 August 2003.

1. Introduction

Detail

The last full release of Vehicle Kit firmware was 1.04. This has now been updated to **V1.05**.

What Has Changed?

The main changes to note are:

- Enabled charging of NiMH batteries (refer TIMS 13328).
- Modified charging algorithm to provide the same functionality as a desktop charger (TOPA-CH-200) with version 3.09 firmware. Refer to Technical Note below for details of the charging algorithm.

References

TN-755 - Tait Orca 5000 Battery Charger Operation

The new firmware will be placed in Vehicle Kits from **Serial Number 16906192**.

The IPN for this new firmware is:
002-16871-02 IC MC68HC705P6A Prog VK V1.05
Circuit Reference: IC3

Compliance

None

CSO Instruction

CSO's – Please inform all logistics, sales and technical staff of these changes

2. Issuing Authority

Name and Position of Issuing Officer Tim Lummis
Technical Support Engineer

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Distribution Level Tait Only

Document History

Original Release	2 September 2003	TPL
Update with firmware IPN	8 September 2003	TPL