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Technical Note TN-697

## Tait Orca Accessory modification update

28<sup>th</sup> February 2002

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### Applicability

This Technical Note applies to all Tait Orca portable radios, both original and 5000 series, using the original plastic accessory connectors.

This Technical Note relates to the interim solution put into production until the D-Clip (metal) solution for the Orca 5000 can be implemented (see Warranty Remedy WR002).

This solution can be implemented on all Orca 5000 radios from serial number **14115860**, and all original Orcas.

TOPA-AA-001, TOPA-AA-002, TOPA-AA-003,  
TOPA-AA-004, TOPA-AA-005, TOPA-AA-006,  
TOPA-AA-007

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## 1. Information

### Background

Customers using the original TOP accessory connectors on Tait Orca 5000 radios have reported that the plastic lugs on the lock down clip are wearing out after a number of iterations of connecting and disconnecting of accessories.

This is due to the wear of the plastic clip against the metal chassis of the Tait Orca 5000. This causes intermittent electrical connection with the accessories such as the speaker microphones.

**Note:** The problem will only occur with the old plastic clips if the accessory is mounted incorrectly.

### Remedy

Product Alert PA063, using original Orca accessories with Orca 5000 radios, has now been recinded.

Warranty Remedy WR002, mechanical failure of the Orca 5000 metal D-Clip, using the plastic clip, referred to as the P-Clip, can now be implemented.

## 2. Timeframe of Changes

### When will this happen

The changes to the product have now been implemented. The lugs have been modified in production as of February 2002 as noted by the production date code of (B02).

All orders of Tait Orca original accessories from the date of this Technical Note will include the new hardened plastic lugs.

### How can you tell the difference

A vertical rib on the thumb grip of the accessory latch identifies the hardened plastic version of the new accessory.

See attached picture with the modified thumb grip highlighted in blue for distinction.



### Packaging identifications

The packaging label of new accessories with the modified lugs can be identified by a yellow dot.

The Bill of Materials for all of the products listed in this Technical Note header has already been changed to include the reworked plastic clip. The Bill of Materials lists all the individual components of a finished product.

### 3. Side Views of the P-Clip



Side view of the old P-Clip

Side View of the new P-Clip  
Note the Lug size and shape

### 4. Top views of the P-Clip



Top view of the old P-Clip

Top View of the new P-Clip  
Showing the lug width

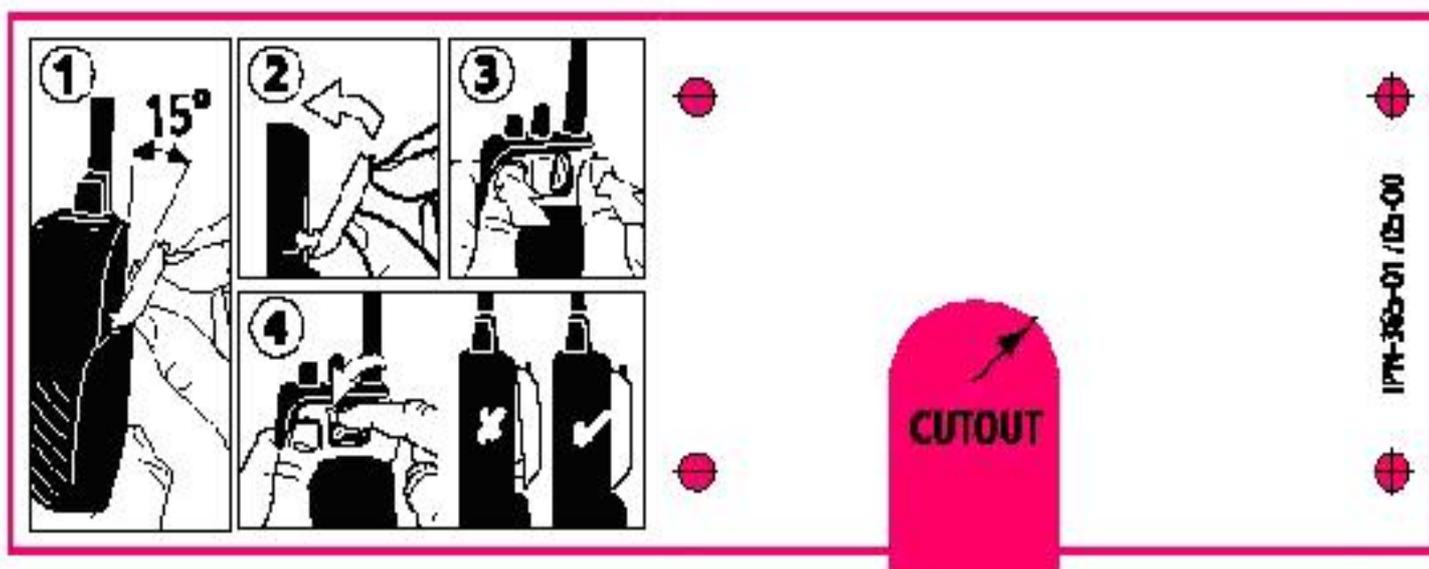
## 5. Mounting the Accessories

### Mounting the Accessories

To mount the Tait Orca accessory connector on to the radios the locating pins at the lowest corners of the accessories should be inserted, first with the accessory at 15°, then folded flat against the radio and the accessory locked.

The diagram below will be supplied, wrapped around every new accessory connector from the date of this Technical Note.

A poster has also been developed outlining the correct installation of the accessories. This is available from [www.taitworld.com/support](http://www.taitworld.com/support).



## 6. Issuing authority

Name and position of issuing officer

Graham Brenchley  
Customer Support Engineer