
TECHNICAL NOTE TN-1056
**Installing Ancillary Boards into a T854
Transmitter**

21 July 2005

Applicability

The following information is applicable to T854-xx-xxxx transmitters that are being fitted with ancillary boards such as the T800-30-0000 paging modulator.

1. Introduction

Fitting ancillary boards requires removing the heat sink side cover from a T854 transmitter. This requires the removal of the nut securing the driver transistor and screws securing the output transistor. When the heatsink is refitted, the output devices can be damaged if the correct procedure is not followed.

2. Installation Notes

When fitting an ancillary board such as the T800-30-0000 Paging Modulator to a T854 transmitter it is necessary to remove both side covers from the transmitter.

To remove the side cover with the heat sink fins it is necessary to remove the nut securing the transmitter driver transistor (Q410) and the 2 screws securing the output transistor (Q420) to the heat sink. The screws securing Q420 are accessed from inside the transmitter module. When replacing the heat sink cover, the driver transistor and output transistor will be damaged if the securing nut and screws are just re-tightened.

The correct procedure when replacing the side cover with the heat sink fins is to first remove the driver and output transistors from the circuit board.

For detailed information on the transistor replacement procedure refer to section 5.8 of the T854-xx-xxxx manual. This manual is part of the T850 Slimline 25-watt Continuous Base Station manual, MBSL2-00-002-812 and is available from <http://support.taitworld.com> in the Fixed Equipment - T800 > Service Manuals and Revision Packages section.

It is recommended that ancillary boards be fitted to a T854-xx-xxxx during manufacture. This way they can be fitted before final assembly.

CSO Instruction

Please ensure all technical staff are made aware of this information

3. Issuing Authority

**Name and Position
of Issuing Officer**

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