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TECHNICAL NOTE TN-1052

T2000 RF PCB and Control Board PCB Compatibility

15th July 2005

Applicability

This Technical note applies only to the T2000 series of mobile radios.

1. Introduction

Early in production of the T2000 mobile the pin configuration of P1 (on the RF) and S1 (on the control/logic board) changed. On the whole, this change is not a problem as the radios in question are very early models and the quantity made in this configuration is low. However, Technical Support has been asked about this compatibility hence this Technical Note.

2. Information

What Changed?

The change comprises of the addition of an 8v regulator to the control PCB, with S1 pin 9 connected to 8v. On early issue control PCBs, the control PCB uses the RF PCB 8v regulator and S1 pin 9 is connected to ground.

Can I fit a later issue control PCB to an early issue RF PCB?

It is possible to modify the following control PCBs to fit to an early RF PCB...

- Remove the 8v regulator from the control PCB as follows
 - o IPN 220-01206-06 IC513
 - o IPN 220-01207-09 IC514
 - o IPN 220-01208-05 IC509
 - o IPN 220-01209-05 IC515
- Connect S1 pin 9 to ground

Can I fit an early issue control PCB to a later issue RF PCB?

Tait Electronics Ltd do **not** recommend fitting an early issue control PCB to a later issue RF PCBs. The modifications required do not make this a viable option.

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What is considered an early or late issue PCB?

The following tables explain how to identify the RF and control PCBs.

RF PCBs – Only the following early issue RF PCBs are affected. All others were first produced after the change took place.

Description	Early Issue PCBs	Later Issue PCBs
	Up to and including	From
T2000-200	IPN 220-01202-03	IPN 220-01202-06
T2000-300	IPN 220-01203-03	IPN 220-01203-07
T2000-400	IPN 220-01204-03	IPN 220-01204-07
T2000-500/600	IPN 220-01205-03	IPN 220-01205-07

Control PCBs – Only the following early issue control PCBs are affected. All others were first produced after the change took place.

Description	Early Issue PCBs	Later Issue PCBs
	Up to and including	From
	_	
T2010	IPN 220-01206-03	IPN 220-01206-06
T2020	IPN 220-01207-04	IPN 220-01207-09
T2030	IPN 220-01208-03	IPN 220-01208-05

Compliance Issues

None

CSO Instruction

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

3. Issuing Authority

Name and Position of Issuing Officer

Paul Anderson

Customer Support Engineer - Mobiles

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