



# Technical Support

TECHNICAL NOTE

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Technical Note TN-927

## Production Change to Link-1 in TM8100 Mobile Radios

8 October 2004

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### Applicability

This Technical Note applies to the TM8100 family of mobile radios, which includes the TM8105, TM8110 and TM8115. This Technical Note supersedes TN-886.

## 1. Changes

From July 5<sup>th</sup> 2004 all production builds of TM8100 radios had Link-1 removed as standard builds.

The change in production regarding Link 1 was taken after suggestions from CSO's, and their customers, who voiced their preference that the TM8110 / TM8115, in a standard mobile installation, would power off completely (to 1 mA) when done so from the control head on/off button.

Technical Support were subsequently made aware that in some installations a powered-up TM8100 would power-off because the DC potential dropped below 10.8V during engine cranking.

- With Link-1 fitted the TM8100 would power-on again as soon as the DC supply rose above 10.8V
- With Link-1 removed the TM8100 would stay off and require user operation to power the radio on again.

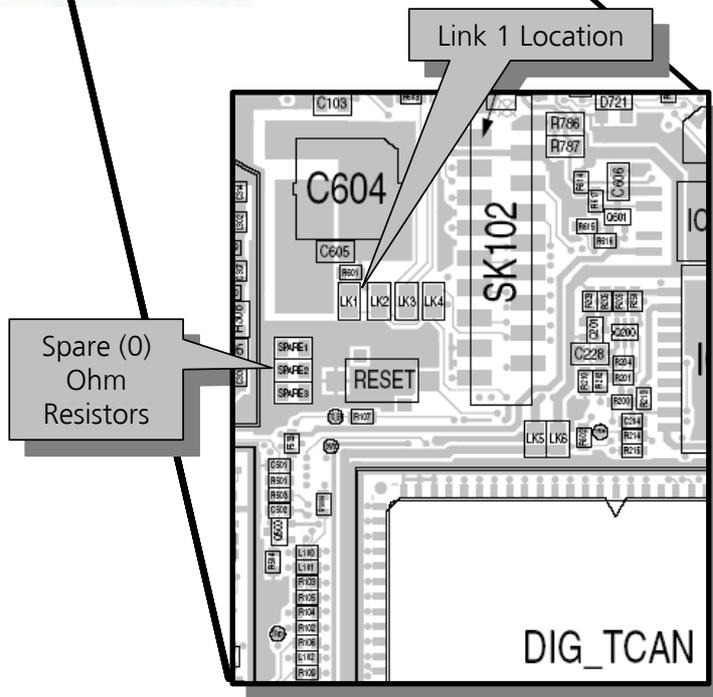
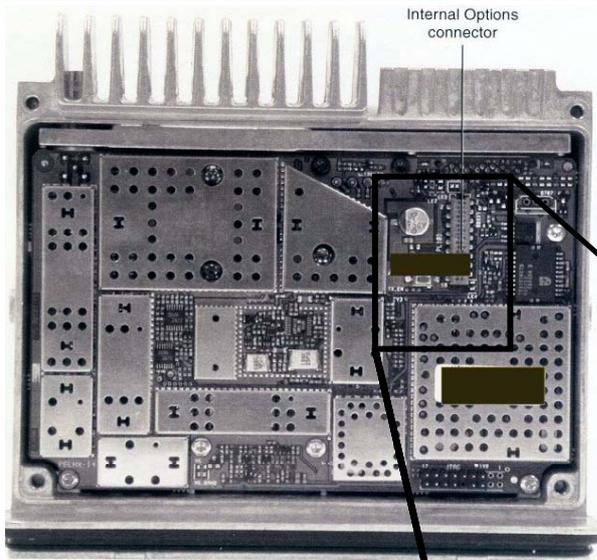
Concerns were also made that radios to be installed as blank head TM8105's would require dealers to open all of those radios to refit Link-1, thus adding time and effort to standard installations.

After consultation with CSO Technical Managers, agreement was made to revert production builds to include the zero  $\Omega$  resistor in Link-1.

First production TM8100 Serial Number without Link-1 fitted was **19015719** (5 July 2004).

First production TM8100 Serial Number with Link-1 fitted was **19021739** (23 September 2004).

**Location of Link1 on the topside of the TM8100 PCB [Plan view]**



**Compliance Issues** None.

**CSO Instruction** Inform all Technical staff and accredited dealers of the production change and procedure detailed here.

### 3. Issuing Authority

**Name and Position of Issuing Officer** Graham Brenchley  
Technical Support Engineer.

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