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## TECHNICAL NOTE TN-1025

### Reciter May Reset when Calibrating VCO Lock Range

27 May 2005

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#### Applicability

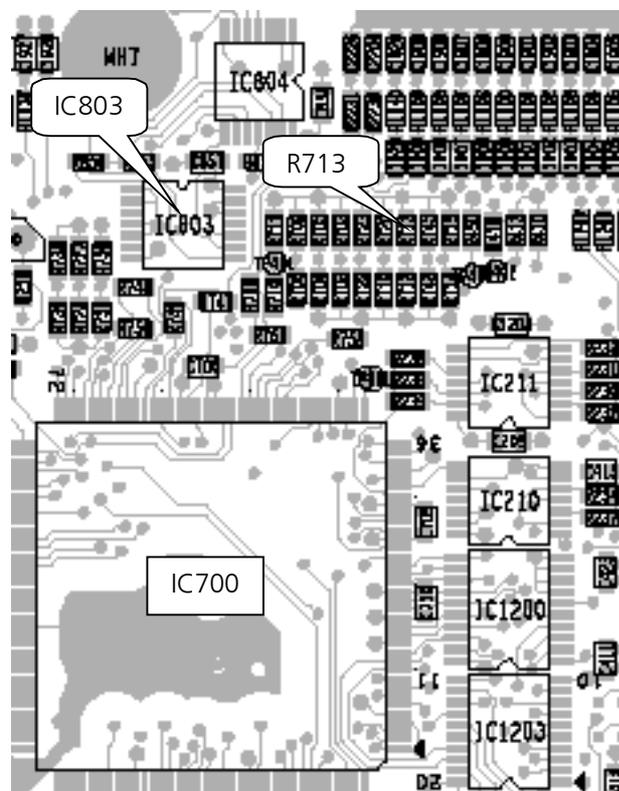
All Reciters prior to serial number 18009103.

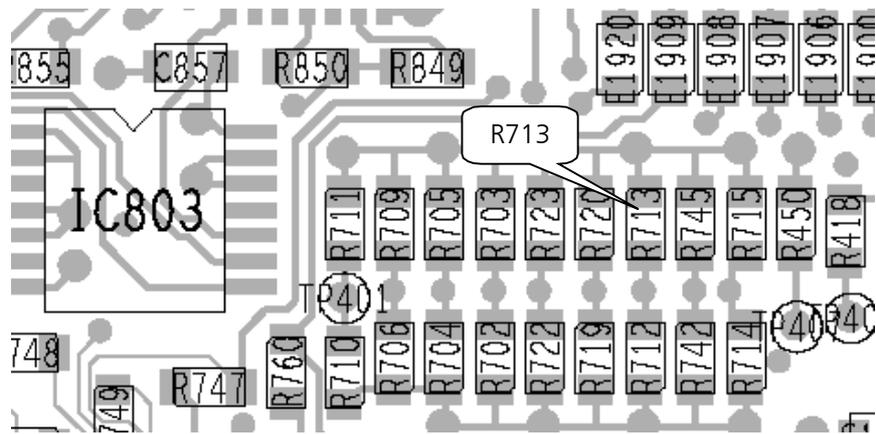
## 1. Introduction

A reciter reset issue has been noted in manufacturing. If this is an issue with any reciter in the field, it will be seen when adjusting the VCO lock range with the Calibration Kit software. The long-term fix for the problem involves adding a D flip-flop when the digital board is re-designed. In the mean time, a simple fix for any reciters that show this problem while the VCO is being adjusted is to add a 10pF capacitor (IPN 018-12100-10) in parallel with R713.

## 2. Locating R713

R713 is located on the digital board near IC700. See the 2 pictures below. Fit a 10pF capacitor (IPN 018-12100-10) on top of R713.



**Compliance Issues**

None

**CSO Instruction**

This problem only occurs when the reciter is used with the Calibration Kit software. If a customer has a problem with their reciter, it is recommended that this modification be done in the CSO workshop unless the customer is known to have the required skill and equipment to affect this modification.

**3. Issuing Authority****Name and Position of Issuing Officer**

Jeff Northcott  
Senior Technical Support Engineer

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**Document History**

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