

SG235C 500W Automatic Tuner PCB Failures



Introduction

It has been observed that several SG235C automatic tuners (Codan Part Number: 08-06739-001) have suffered a critical failure due to problems with the PCB manufacturing process.

This bulletin describes the PCB problem and the process to request a repair.

NOTE: Affected units have a manufacture date post-July 2017.

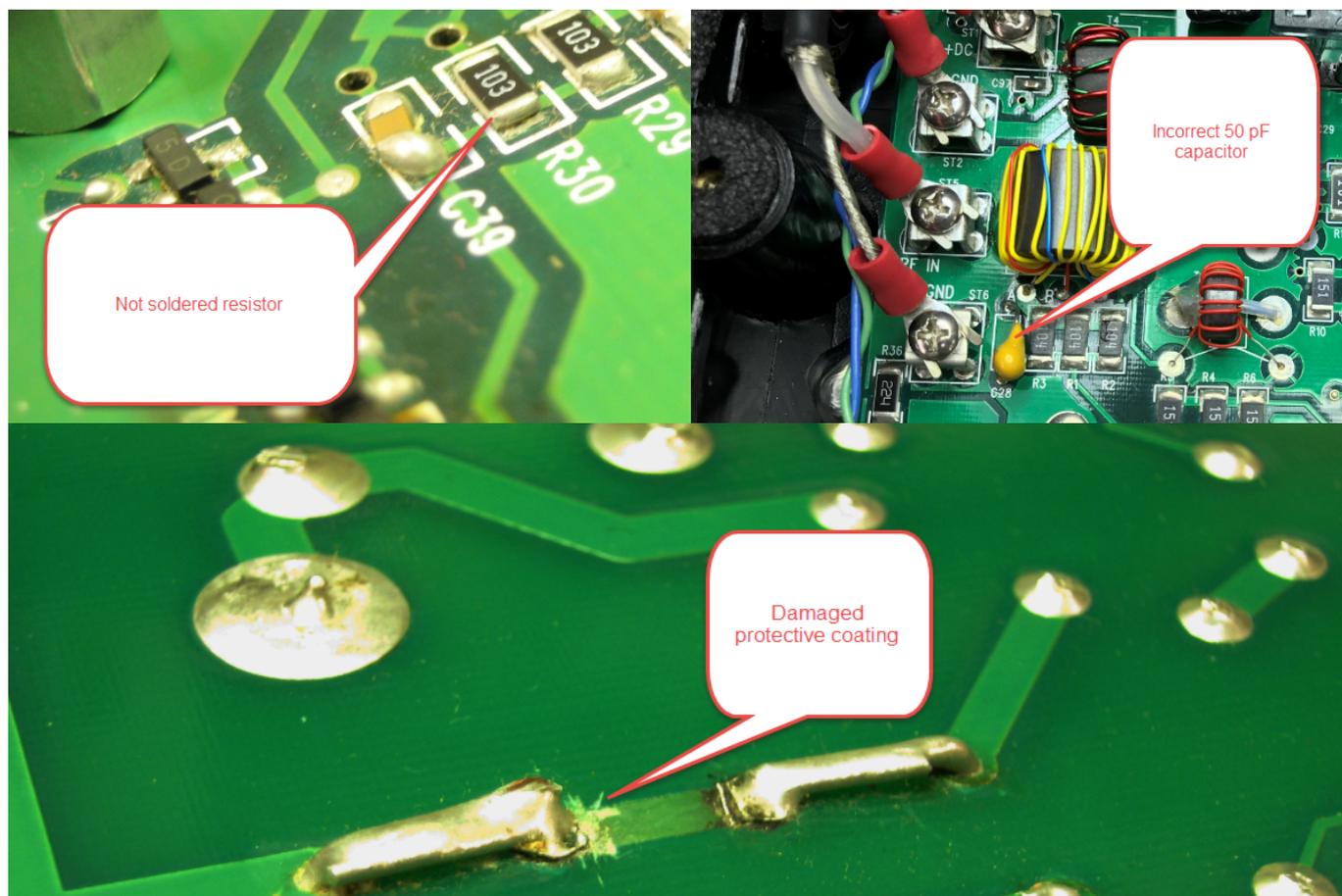
Symptom

The customer is likely to report a permanent or intermittent failure to tune. The customer may also experience an unusually high and unexplained SWR on most or all channels.

Head office	Asia Pacific	Europe/Africa/Middle East/Central Asia	Americas
Codan Limited ABN 77 007 590 605 Technology Park 2 Second Avenue Mawson Lakes, SA 5095 AUSTRALIA	Codan Limited Technology Park 2 Second Avenue Mawson Lakes, SA 5095 AUSTRALIA	Codan Radio Communication ME DMCC 305-306 Tower BB1 Mazaya Business Avenue Jumeirah Lake Towers Dubai UAE	Codan US, Inc. 19955 Highland Vista Drive Ashburn VA 20147 USA
Telephone +61 8 8305 0311 Facsimile +61 8 8305 0411 HFSupport@codancomms.com	Telephone +61 8 8305 0427 Facsimile +61 8 8305 0410	Telephone +971 44 53 72 01	Telephone +1 571 919 6432 Facsimile +1 571 919 6430

Cause Analysis

Several defects with the PCB have been discovered, including the use of incorrect capacitors, the removal of PCB protective coating in the assembly process, as well as missing solder joints on the board. Some boards have also had PCB design changes. The unit may have one or more of these defects present.



Resolve

A workaround process has been developed to intercept impacted units and rework the problems on the board. All new units will be inspected and repaired before delivery. This process may affect some delivery timeframes.

Any unit failures must be handled using the standard RMA process and shall be shipped to Adelaide for repair.

NOTE: THIS IS NOT A PRODUCT RECALL.