

# Alfa Radio Ltd.

11211 - 154 St., Edmonton, Alberta Canada T5M 1X8

[alfa@alfaradio.ca](mailto:alfa@alfaradio.ca)

[www.alfaradio.ca](http://www.alfaradio.ca)

780 466 5779 Voice

780 466 4956 Facsimile

---

2004-09-07

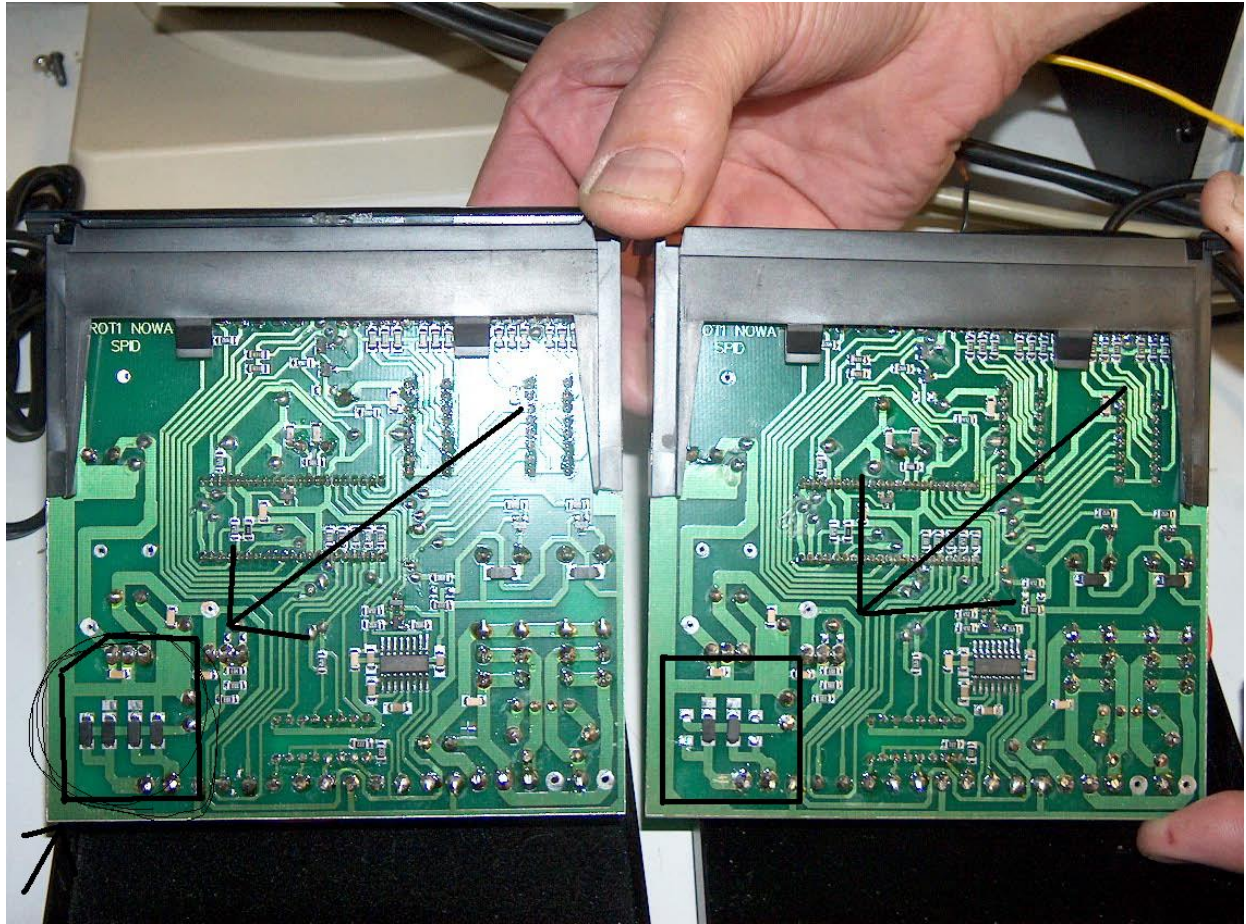
This document address issues with the serial port on the AlfaSpid rotator controller which may exist in some units.

There may be a problem with some computer interfaces which may cause a ground loop.

This ground loop may present it self by not being able to turn off the control unit. This may also prevent the serial port from operating correctly. This problem occurs when one of several conditions exist. One of the power supply lines is connected to the computer ground (case) and the serial cable is connected to the control unit. The power supply is not isolated from the computer ground.

This problem can be corrected in the field by removing by two diodes in the controller.

- 1.) Remove all power and computer connections from the controller
- 2.) Remove the case from the controller
- 3.) Lift the PCB from the case ( This is a pressure fit and come out easily )
- 4.) Remove the two diodes on the under side of the PCB see attached pictures.
- 5.) Reassemble unit



Before

After