Greetings all,

Before you attempt to use the RC Extension Cables included in this year’s Controls Kits, there are two modifications that **MUST** be performed:

- to protect your electronics from inadvertent reversed polarity
- to enable connectors to mate without interference

**Modification #1: Remove the plastic cover.**

The end of the RC Extension Cable is equipped with a plastic cover that protects the male pins from damage. The female connectors are keyed to prevent improper mating to the male connectors. Unfortunately this interferes with some connections you want to make (i.e. to the Jaguars, Victors, etc). The plastic cover on the male connectors can be easily removed with a pair of cutters (**please wear safety glasses when performing this activity**).

![Figure 1: Remove the plastic covers from the male connector.](image)

**Modification #2: Remove the keying tab.**

As shown in figure 2 below, the female connector on the RC Extension Cables has a tab that prevents proper connection with the Digital I/O or Relay pins on the Digital SideCar and the Analog In pins on the Analog Breakout.
Figure 2: The tab on the female connectors interferes with proper seating of the connectors.

Un fortunately, tab allows the connectors to seat in the incorrect reversed orientation. Please don’t do this, your electronics may be damaged!

Figure 3: The tab on the female connectors does not prevent incorrect seating of the RC Extension Cable connector!

To fix this issue, simply use cutters to remove the plastic tab from the corner of the connectors (please wear safety glasses when performing this activity).

Figures 2a and 5b: Cut the tab from the corner of the female connectors
Figure 3: Once the tab is removed, you will be able to properly seat the connectors.

Thank you for taking the time to review this note. Please accept our apologies for the added complexity.

Thank you for your time and good luck in 2009!