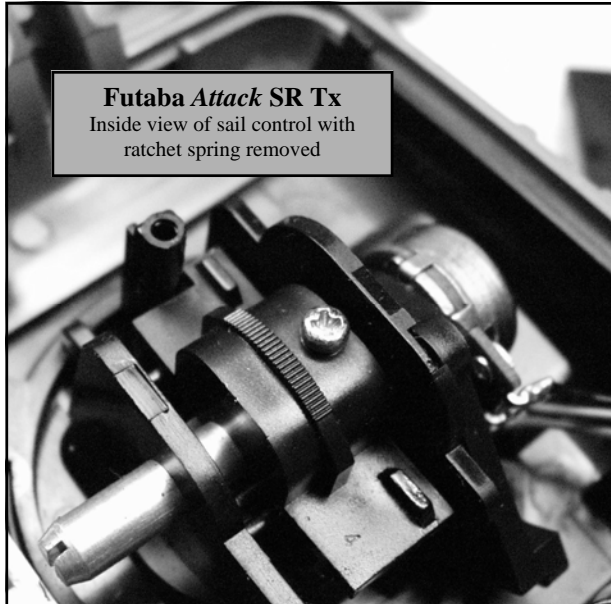


## THE BOATYARD



**Futaba Attack SR Tx**  
Inside view of sail control with  
ratchet spring removed

- b. Modify the ridge on the spring to reduce the ratchet effect. Use a piece of tape, etc.
- c. Add a spring of your own creation.

The photo at lower right shows a scrap of plastic screwed in place to provide a small amount of drag on the servo control stick. This arrangement gives just enough drag so the control stick does not move when the trim lever is adjusted.

An owner can use his creativity to achieve the sail control stick "smoothness" he likes best.

These photos show a *Futaba* Tx. The other two *hitec* radios that have been shipped in the kit are similar.

### ***SMOOTH*** **SAIL CONTROL ON THE TRANSMITTER**

*By Chuck Winder*

Many skippers modify or remove the ratchet mechanism on the transmitter sail servo control stick. They like the improved "feel" of it that seems to help in smooth control of the sails.

To do this remove the back of the transmitter case to access the control stick mechanism. There are two ways to change the "feel" of the control stick.

#### **Remove the Ratchet Spring**

This makes the control arm quite free, possibly too free. Doing this results in the control stick changing position whenever the trim lever is moved. Until recently mine was modified like this for a couple years.

The photo at the top shows the sail servo ratchet teeth with the transmitter back is removed. This is a *Futaba Attack SR* with the ratchet spring also removed.

#### **Modify the Ratchet**

This offers more options to suite individual preference.

- a. Bend the ratchet spring so that it bears more lightly on the ratchet teeth.

