

Static Magging the Avet SX for Surf Casting



(ain't it pretty)

*by
toejam*

The major problem I found in magging the Avet SX is lack of space between the cage and the spool (around .125 inch). This lack of space makes the fine tuning of the reel very difficult using the magnets that are usually used in reel magging. My solution is to use “micro magnets” that can be stuck to a shim plate that is glued to the inside of the cage. These micro magnets are small enough that the right combination of magnets will have your SX casting just the way you like it.

The SX is a very simple reel to disassemble and work on. By removing the three screws on the right-hand end plate, the cage slips right off as shown in Figure 1.0.

Figure 1.0



As seen in Figure 1.1, I glued (with epoxy) a half moon shaped shim made of .015 inch thickness, high carbon stainless steel to the inside of the cage. Any shim material will do as long as the magnets will stick to it.

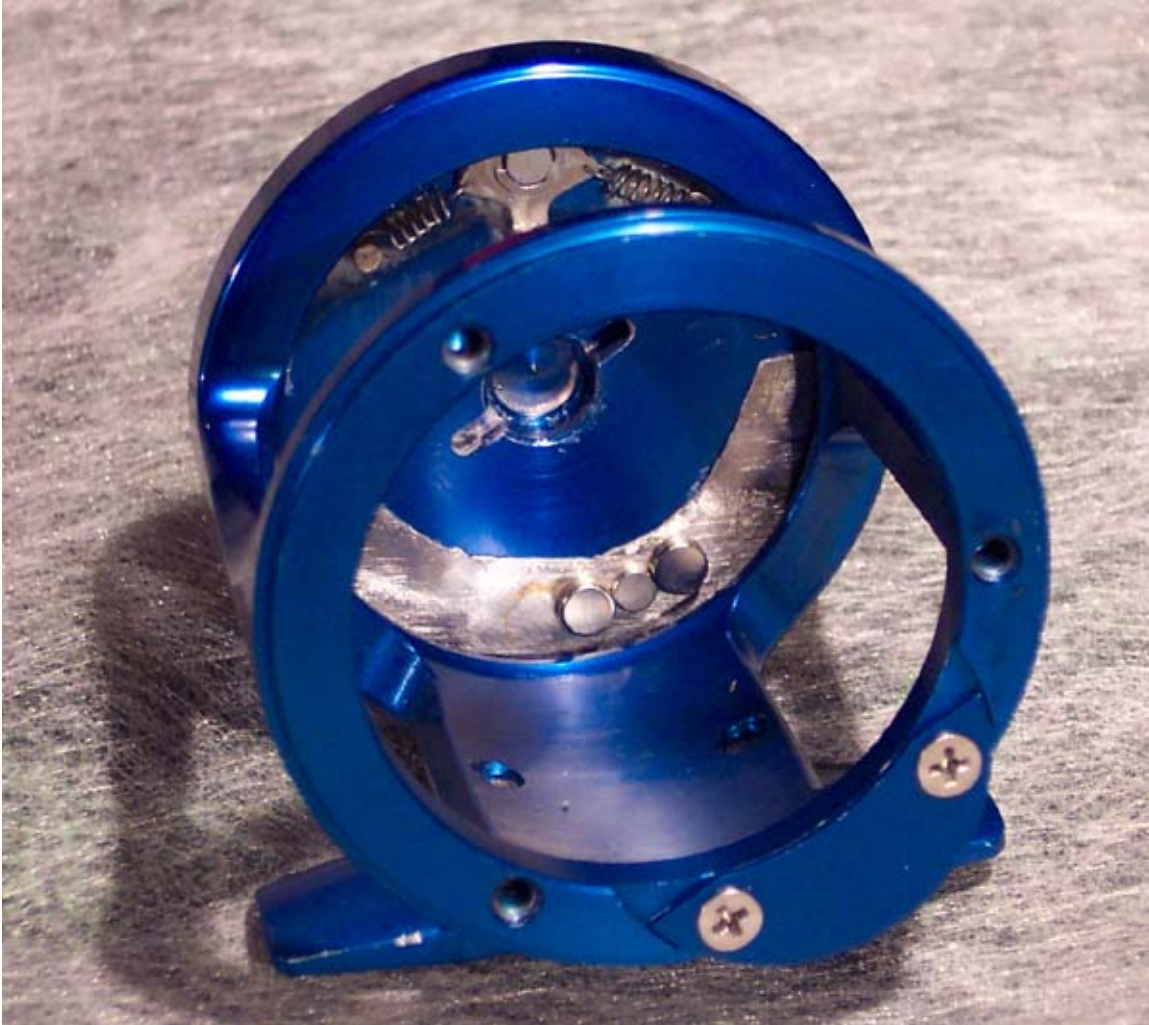
Figure 1.1



I used two different sizes of micro magnets: 4 mm (.040 thick x .159 DIA) and 5 mm (.079 thick x .197 DIA) . I ordered both of these magnets from www.teachersource.com .

Figure 1.2 shows two 5 mm and one 4 mm micro magnet stuck to the shim plate

Figure 1.2



Let me qualify the fine tuning of this mag control procedure. This is a very personable process. The final objective of this solution is for your reel to cast just the way you like it to cast, not how someone else likes it. You must understand that anything that affects the control of the reel is interactive with everything else that affects the control. The short list of these control factors include the type and DIA of the line on the reel, the amount of line on the spool, and the type and amount of lube used on the spool bearings. So get you SX ready like you were taking it fishing.

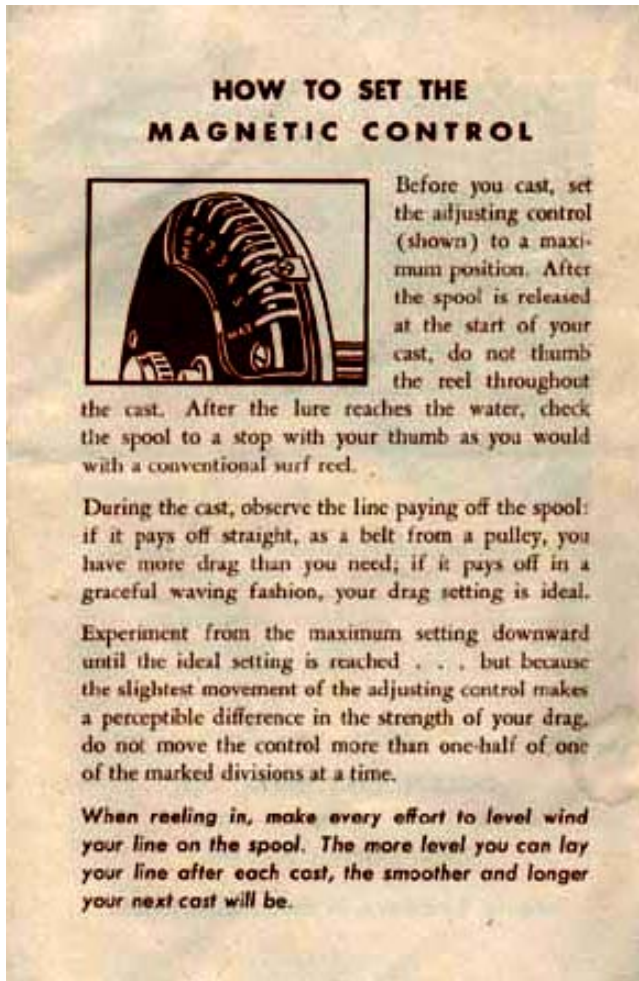
If you want to change the lube in the spool bearings, just remove the end pin, 4 washers and 2 spacers and the spool slips off the axle and you have access to the spool bearings as shown in figure 1.3.

Figure 1.3



I am not going to get into how you should judge as to whether or not you have enough control for your reel but I will include a part of the instructions that came with a old Ocean City Inductor reel (Figure 1.4) which “Gowge” Pope has posted many times on <http://floridasurffishing.net/forum>. and its about as good as it gets .

Figure 1.4 Ocean City Inductor instructions



Fine Tune your SX

Place five of the 5 mm micro mags on the shim plate and re- assemble the reel. Cast the reel as if you are fishing that honey hole that you can just barely reach on a good cast.

1. If the reel is too slow remove one of the 5 mm mags, and cast again. Repeat this step until the reel is too fast.
2. If the reel is too fast, add four of the 4 mm mags to the shim plate and cast again.
3. If the reel is too slow, remove one of the 4 mm mags and cast again and repeat this step until the reel's mag control is just the way you like it.

Moreover, that all there is to it! If you have, any questions feel free to contact me at toejam@torquedsolutions.com.

Leave it like you found it!

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