



## TRANNY 29

### Slot Machine Prep Instructions

#### What you'll need:

High grit sandpaper (80 grit or lower).

Friction compound (FSA or Tacx grease-and-grit mixture).

Ti Prep.

A torque wrench.

A Tranny 29 and hardware!

-The two sides of the front triangle slot machine should be scored vertically with high grit sandpaper (80 grit or lower). Three swipes should be enough, any more than that and it will start to remove too much material. This should have been performed here at Ibis, so if your bike has these marks on it, **DON'T sand any more**. This gives some extra edges for friction perpendicular to the slip motion.

-The inside of the chainstay slot machine should have a very light application of friction compound (FSA or Tacx grease-and-grit mixture) applied only on the vertical walls. It should be put on the chainstay and not the front triangle since the seal will wipe off most or all of the friction compound. The total amount applied should be about a pea-sized dollop total for both sides, a very light application. The goal is to put lots of grit (and not much grease) on the interface.

-The bolt assembly, in order from non-drive side to drive side, should be: titanium shaft, small steel washer, gold color round stepped washer, gold color flat oval nut. If that steel washer is not between the titanium and the aluminum round stepped washer, the two metals will bind and all that torque you put into the bolt head will not go into tightening the shaft. There should also be Ti Prep applied to the threads of the titanium shaft, and also between the bolt head and the steel washer.



-The Ti bolt should be torqued with a torque wrench to 25 Nm (221 in-lbs). We have tested the slot machine to 40 Nm, and at that point the carbon crushed in. The hardware was still totally fine. You can safely increase the torque to 30Nm if you want, but **please don't go any higher than that for the sake of not abusing your frame**.