



TSI deck assembly instructions

Please follow the instructions below to ensure proper assembly of your TSI deck.

Tools needed: One 4mm Allen wrench for the deck and brake bolts.
 One 5mm Allen wrench for the axles
 Metric 6 socket or wrench to hold the nuts that hold the brake.
 Headset cup installation tool.

Headset cup installation:

Clean the inside of the head tube where the new cups go and make sure they are smooth with no damage. Put some grease where the cups will go. Now watch this video: <http://www.youtube.com/watch?v=KEczBjf8aKI>

Install one cup at a time! You can make your own tool like the one used in the video to press the cups in. Go to the hardware store and buy a foot long piece of $\frac{3}{4}$ inch threaded rod with two $\frac{3}{4}$ nuts and two (4 is better) thick and large washers, large enough to cover the entire cup. Make sure you have a wrench large enough to turn the nuts because it will need some force.

Deck and rear wheel installation.

Start with putting in the rear wheel before screwing on the deck and brake. Mount one washer on each side of the rear wheel as a spacer. Tighten the rear axle.

Now put the brake on the deck plate. Make sure that the countersunk side of the holes is up. Mount the flat side of the brake under the deck, line up the 2 holes and use the 2 bolts with nuts and washer to mount the brake to the deck. Put the washer between the nut and the bottom of the brake. Do not tighten the bolts entirely yet!

Now take the deck with the brake on and place it on the frame. The 2 mushroom shaped bolts go in the front next to the headtube. The other 8 bolts go in the countersunk holes on the deckplate. Put ALL bolts in and screw them down until they stick out about $\frac{1}{8}$ inch. Do not tighten any of them completely yet. The deckplate may not align exactly with the frame so you need to be able to slightly move the deckplate to align all the holes with the frame. Make sure the bolts go in easily. If not, they may not be aligned properly. DO NOT force the bolts in. Once they are all in, start by tightening the front 2 mushroom bolts and work your way to the back, tightening them side by side.

Now you can tighten the brake bolts using the 4mm allen wrench and the 6mm socket.