

ASSEMBLY TIPS

AGATE v1.0

1. Sand contact faces before gluing together.

The contact faces are mostly really smooth, and will not bond well as they are. Use a medium grit sand paper to rough them up. Then make sure to clean off any dust before gluing.

2. Use a strong 2 part epoxy glue

Some people swear by cyanoacrylics (super glue) but I've had best results with slow setting two part epoxies. My favorite so far is JB Weld Plastic Bond. If you apply it liberally enough, it'll squeeze out the edges, and you won't need any gap filler to make the joints smooth.

3. Figure out a clamping solution

I don't have a one size fits all solution here, but you will need some kind of clamp to hold these pieces together while the glue sets. Wood working bar clamps have worked well for me.

4. Do not use heat to dry

These covers are printed with thermoplastic, that means they melt easily. If you use a heat gun or hair dryer to cure your glue, you run the risk of melting the parts.

5. Finishing

You'll probably want to sand, prime and paint these pieces. (If you didn't follow tip 2 above, you may need some gap filler like Bondo to smooth out the joints). I don't have super strong recommendations for other products here, but I've had decent results with the Rustoleum Automotive series primer and paints.

6. Hardware

There are probably lots of ways to sort out the hardware for this kit, but the easiest is just to order the specified parts in the assembly instructions doc from McMaster Carr. Know that bike frames vary some, and almost all will require some bending of the main lock to fit snugly.