



Installing Z3D's 12mm Front Hex Adapter (Fits AE 2wd Buggies)

Note: Team Associated offers several axle lengths and 12mm wheels come with different offset. Adapters were designed to allow you to run a modern wheel of your choice, but if offset is not to ideal for your applications, be sure to also look into axle options offered by Team Associated and other accessory providers.

Packaging:

- 12mm Hex Adapter (Qty. 2)
- Outer Bearing Adapter (Qty. 2)
- Outer Washer (Qty. 2) – **Note:** Installation Optional
- Metal 4-40 Wheel Nuts (Qty. 2)

Instructions:

Step 1. Install 3/16 x 3/8 bearings (not included) on both the Hex and round adapter, see Figure 1 below. **Note:** These are a tight fit by design. Press bearing and be sure it is seated well.

Step 2. Slide the *12mm Hex Adapter* onto the front axle with the fully exposed bearing towards the center of the car, see Figure 2 below.

Step 3. Slide the wheel onto the 12mm hex adapter, see Figure 3 below. **Optional:** The modern wheel and AE axle are the same diameter. You can ream to 5.5mm to improve how free the wheel is, see Figure 4.

Step 4. Slide the Outer Bearing Adapter onto the front axle with the fully exposed bearing towards the outside of the car, see Figure 5 below.

Step 5. Place supplied metal wheel nut and tighten, see Figure 6 below. **Note:** Do not overtighten

Tech Tip: I prefer to tighten the wheel nut until snug and back out $\frac{1}{4}$ to $\frac{1}{2}$ turn. This is the perfect amount to make sure you don't compress the inner race and have no slop. **Optional:** For those that prefer the plastic wheel nuts, an outer washer is included. Be sure to install with smaller surface towards the bearing.

Thank you for choosing Z3D!!



Figure 1

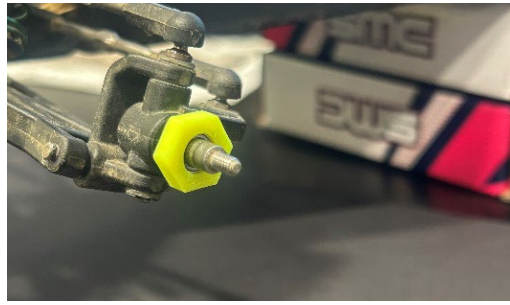


Figure 2



Figure 3



Figure 4



Figure 5



Figure 6