

ARIZONA

RACING MODELS^{LLC}

PRECISION DETAIL PARTS FOR SCALE MODELS

Thank you for purchasing the AZMW 12006 wheel set for the Tamiya 1:12 Ferrari 312 T4. These are machined aluminum, with white metal cast centers.

In this kit you will receive:

2 x Front "inner" wheel rims	16 x Simulated tire retaining bolts
2 x Front "outer" wheel rims	1 x Front L/H thread axle and nut
2 x Front wheel centers	1 x Front R/H thread axle and nut
2 x Rear wheel rims	1 x Rear L/H thread axle and nut
2 x Rear wheel centers	1 x Rear R/H thread axle and nut
4 x Air-valves	1 x 0.020" diameter drill bit.
4 x 2mm 0.4 pitch x 5mm dome head screws	24 x Bolt and nuts (RB Motion #1251)
32 x Special simulated cap screws and nuts for the rear wheels (By RB motion)	



First check that you have all the parts listed above.

The rims come pre-drilled to accept the simulated tire retaining bolt, air-valves and wheel center bolts.

The front wheel rim halves should be a nice "push fit", not requiring any glue. However, it will be up to you if you want to glue the two halves together.

We suggest drilling the hole (*with included drill bit*) for the air-valve in the front wheel centers first, then painting the front and rear centers (*after checking the fit*).



There may be some small burrs on the holes in the rims. Examine them and carefully remove any burrs.

At this point produce the finish you want your rims to have. Polish them if you want the really shiny look, or use a very fine steel wool "0000" to give them a brushed look. **Do not use very much pressure with the steel wool.**



Installing the simulated tire retainers is quite simple, the front ones being a little easier than the rears to install. These are also designed to be a nice "push fit".

With the front rim face down, position the retainer into the hole with the flat end facing out. With the side of the handle of a pair of tweezers, or something similar, apply pressure to the end of the retainer to push it into the hole. When the tweezers hit the rim, the retainer is installed correctly. Look on Mac's Modeling face-book page for video's of how this is done.

<https://www.facebook.com/121181281226107/videos/993780247299535/>

For the rear rim we suggest using a "cone" dremel bit on the outside of the holes to give a small "lead-in". **Do this by hand.** It will make it a lot easier to install the retainers. Push the retainer in until it is flush with the outside of the rim.

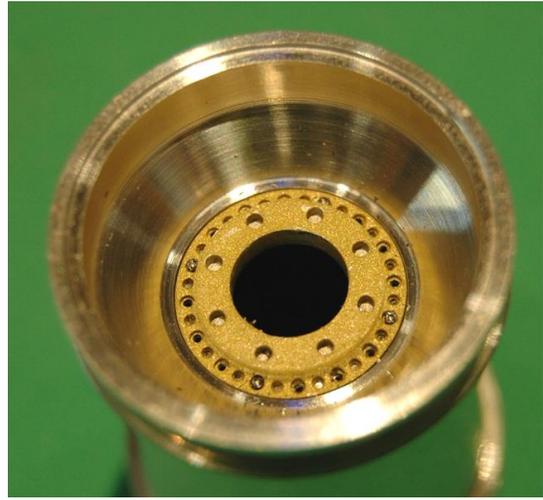
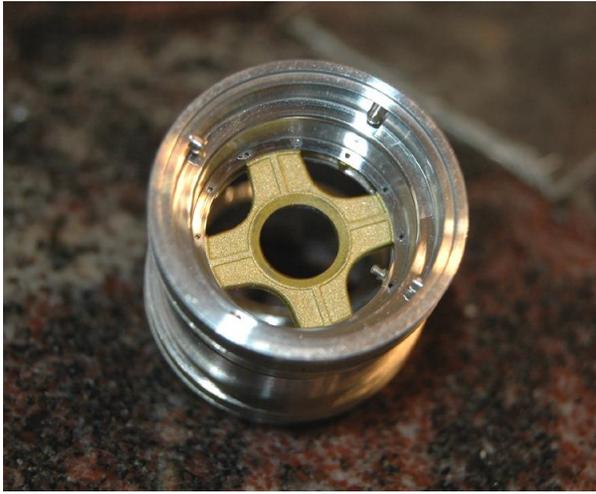
Install the air-valve in the front wheel centers and rear rims next. For the fronts, just put a **TINY** drop of super glue in the hole you drilled and immediately insert the air-valve.



Insert the air-valve in the rear rim. Holding it in place, use water thin superglue applied to the back side where it protrudes through the rim and let it "wick" in.

Take the simulated cap screws for the rear wheels and paint them black, or use a black marker pen. Do the same with your bolts from the #1251 sets.

The front wheel centers have dimples where the 0.020" diameter holes should be. You can drill these holes now. Also, run the drill bit through the holes in the rear centers. Just the ones with the larger counter-bore, as those are the only holes the cap screws will go in.



Assemble the front wheel parts being sure to line up the holes in the inner rim, wheel center and outer rim. Double check the alignment of the holes, using the drill bit.

You can now start inserting the simulated bolts from the back side of the wheel rim. With them all in place, turn the rim over and install the washer and nut on each bolt.

Insert the center for the rear wheel from the back side. Again, check the alignment of the holes using the drill bit and start inserting the cap screws. We inserted 4 set screws to start with, as can be seen.

Once that is done, turn the rim over and insert the nuts.

You now have some awesome looking wheels for you model.

However, to complete the project you will have to modify some of the kit plastic parts to install the threaded axles.

Take part # "B5" (for the front wheels) from the kit and remove the "Boss" on the outer face, as shown in the picture.



Then take part # "B52" and remove the "Boss" on the outer face and drill out the hole in the center with a 4mm diameter drill. That will remove the "Boss" on the backside at the same time.



This will allow the machined aluminum axles to be attached to the kit parts.



Take part "B5" and insert the front axle stub in the outer face. Take one of the 2mm screws, insert it in the back of "B5" and screw into the aluminum axle.

Take part "B52" and insert the rear stub axle in the outer face. Now take part "B53" and push it over the aluminum boss of the axle stub. Take a 2mm screw, insert it in the back of part "B53" and screw it into the aluminum stub axle. This now holds all the parts together.



You continue to assemble the axles as per the kit instructions from here on.

NOTE: There are left hand and right hand threaded axles, ensure you install them on the correct side of the car.

Left hand threads go on the Right hand side of the car.

Right hand threads go on the Left hand side of the car. (Have a red mark on them)

Now all that is left to do is attach the wheels when the kit is finished. Or not, depending on how you want to display the model.