

The Raptor Mod

Assembly and care instructions

Fully modular exercise wheel made for sugar gliders!

This guide covers both the Raptor Mod , The Baby Raptor Mod , Velociraptor Type R Mod , and The Stainless Steel Raptor Mod. All the parts (with the exception of the stand for the baby raptor) can be swapped between them.

Assembly of the Raptor Mod is extremely easy! You can assemble it in the cage if the door is too small to fit the whole assembly. The bearing assembly needs to be attached to the back of the wheel head. You can use a ½” or 13mm or an adjustable wrench to tighten the bolt, make it tight. Note on the bearing assembly there is an o-ring that is very important, it keeps the bolt from backing out of the wheel head. There is nothing to do when you assemble it for the first time, but when you take the assembly off of the wheel head make sure the o-ring (black in color) stays on the bolt of the bearing assembly. You probably will have to push it back down the thread, that's completely normal as it keeps the bolt from unthreading accidentally. Do not use any kind of lubricant on the o-ring.

Once you have the bearing assembly attached to the wheel head you are ready to attach it to the mount. It needs to be threaded by hand only at the beginning, do not cross thread it.

Tighten it down by hand as tight as you can, then using an adjustable wrench or pliers it need to be turned ONLY $\frac{1}{2}$ to $\frac{3}{4}$ of a full turn. The PVC fittings use a pipe thread, it is tapered (starts small and gets bigger), so it is not necessary to tighten it all the way down.

PVC stand owners:

The pole that attaches the base of the stand to the wheel is not glued, though does have a small Phillips head screw that keeps it attached. You can remove the base and attach the pole to your own custom PVC Cage frame or you can use a 1/2" pipe thread connector to attach the wheel directly.

You can use zip ties (Cable ties) to attach the stand to the cage. Make sure there is a small screw in the base of the stand, I put them in here, but double check it.

Cagemount owners:

The easiest way to get started would be to mount the plate by its self. Remember you have to be able to get an adjustable wrench or pliers to the bearing assembly to tighten it. I'd recommend you mount it on the back of the cage to the left or right of the door so you have some room to see the back of the wheel. Once you have the plate mounted you probably won't have to take it down.

Washing advice:

Remove the wheel from the mount (stand or Cagemount)

Remove the bearing assembly from the wheel head (remember to watch for the o-ring!!)

The wheel head may be soaked, once the bearing assembly is removed there is nothing that can be hurt by soaking.

You can use dish soap like dawn to wash with and a 1 to 10 bleach solution to soak in.

The mounts may be washed in the same manner.

Do not ever wash the bearing assembly, wipe it down.

Caring for the bearing assembly:

You should never get water in the bearing assembly, it will ruin the bearings.

These bearings must be oiled!!!! At least every other month (60 days) I use 3 in 1 oil it can be found at any grocery, hardware, and home center.

Stand the bearing assembly on the head of the bolt (the threads facing up) you should have some paper towels under it. You only need about three to four drops of oil (any excess will just run out the other end) – placed right at the inside edge of the PVC fitting and the washer – you will see a gap. You don't have to do anything else just leave it setting for at least 30 minutes. Wipe away any excess oil and you are ready to go.

You may use vegetable oil if you wish.

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Remember please, practice good glider hygiene
and wash your baby's wheel first!!

Thank you for your purchase!