



This guide will help you make a DIY set of beadlocks out of your Traxxas TRX-4 Beadlocks. Other wheels may work but the guide was made using Traxxas part #8271 wheels found in the “Land Rover” model. *This is a guide **ONLY**. It is up to YOU to decide if you are capable of performing the work. We will not be held responsible if you ruin your wheels attempting to perform the steps contained within.*



Suggested tools & materials:

- Drill
- 1.6mm drill bit
- 60 grit sand paper
- 180grit sand paper
- Digital/dial caliper
- 4x Locked Up RC 1.9” Easy Mount Beadlock rings
- 4x Locked Up RC 1.9” Internal Ring - TRX4 DIY Beadlock Conversion(s)
- 30 M2x7 (or longer) screws
- 70 M2x1 screws (or trim your own)
- Loose axle shaft with hex pin, hex and wheel nut
- Curved Lexan Body scissors

Note:

DO NOT REMOVE THE INSIDE LIP.

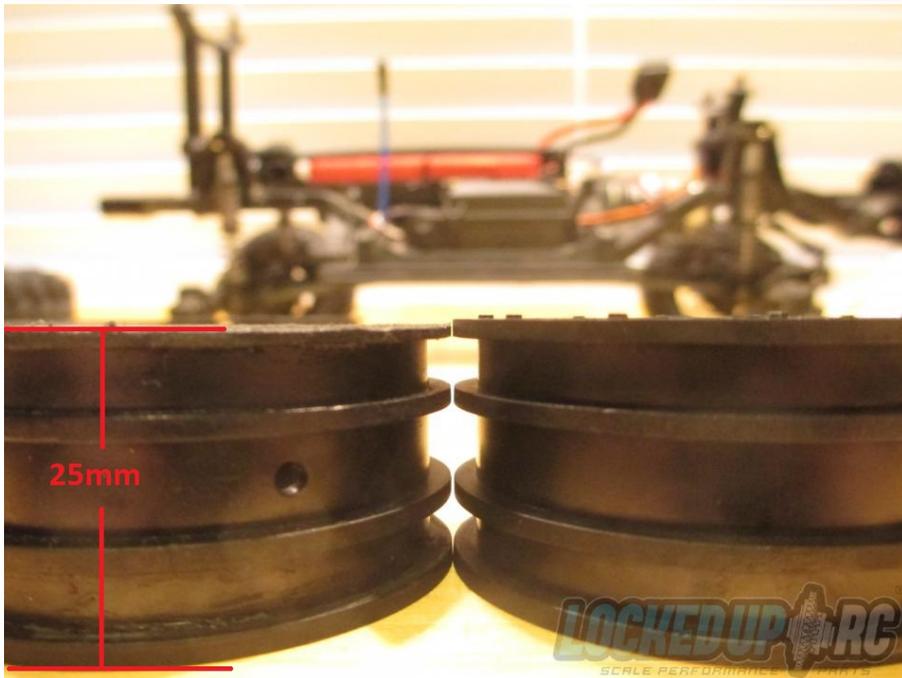
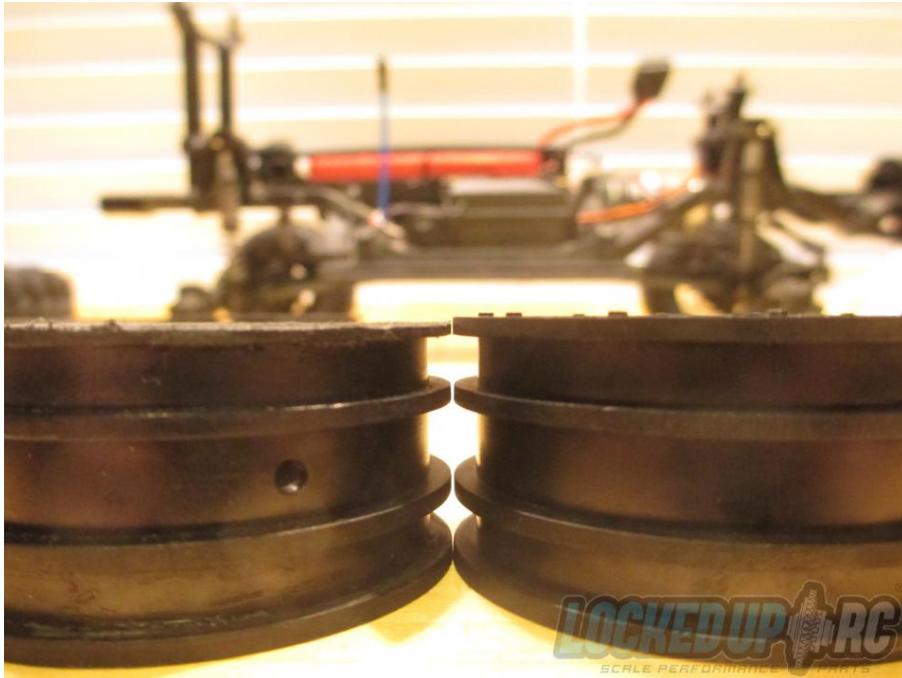
IT IS PART OF THE FINAL BEADLOCK ASSEMBLY

We cannot stress this enough.... So we will remind you multiple times.

1. Remove tires from wheels (if there are glued together). There are multiple methods that can be used for this... but whichever you choose, use caution.



2. Next you will want to sand the faces of the wheels where the existing beadlock rings appear. You will want to sand the ring design away completely but not remove more material than is necessary. We found removing enough material so that wheel body of the wheel (including the ring on the back) is measures 25mm is right.





To accomplish this, we suggest 1 of 2 methods (unless you have a lathe ... but then you are a cheater):

Method 1:

- Lay your 60 grit sandpaper out on a flat surface
- Holding the wheel face down against the sand paper, make circles with the wheel
- After a few passes, rotate the wheel in your hand so you aren't focusing on one place accidentally.

Method 2:

- Mount the wheel to your loose axle shaft with the hex, pin & nut
- Chuck the axle up in your drill
- Spin the wheel with the drill and apply pressure with the sandpaper to remove the face.

Once the design is gone you can do the same with the 180 grit paper for a smoother finish. You can also follow up with an X-acto knife to remove errant hairs.

3. Take a beadlock ring and hold it against the face of the wheel. Center the ring and line up the pass through holes (non threaded holes on a Locked Up RC ring) centered with the spokes in the wheel. The wheel has more "meat" where the spokes connect to the shell, so you will want to drill there. Use your 1.6mm drill bit to make one hole in the wheel.



4. Install a single M2x7 screw to hold the ring in place



5. Double check to ensure the ring is still centered on the wheel. Drill and install another M2x7 screws opposite the first screw.





6. With the two screws installed, drill the remaining 4 holes and thread screws into them, then remove all the screws. Repeat for each wheel.



7. Using your curved lexan body scissors, trim the remaining lip off the face of the wheel.





8. Now you can try to trim down some of the two center lips or go ahead and start sanding.

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If you can trim the center lips there will be less sanding to do, but it can be difficult to trim them and could cause you to snap your scissors.





Either way... the next step is:

- Mount the wheel to your loose axle shaft with the hex, pin & nut
- Chuck the axle up in your drill
- Spin the wheel with the drill and apply pressure with the sandpaper to remove the central lips.



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9. Keep sanding until all of the center 2 lips are flush with the wheel body.



Did we already mention this?

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Once you have sanded down all of the lips you can do final assembly on the wheels.

10. Insert the inner rings into the tires and slide the wheels into place. Ensure the tire is seated correctly on the back side and try to work the inner ring down as much as possible.



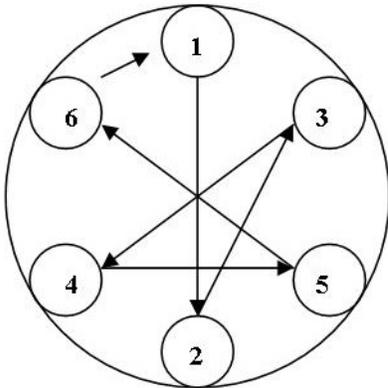


11. Line the rings up with the holes and install all 6 of the screws through the rings and into the wheels but only until they make soft contact with the rings. Do not tighten yet.



12. Inspect the area between each ring and wheel to ensure the tire bead is going into the wheel properly. It is critical to ensure the bead is not pinched between the wheel & ring because you could strip out the holes in the wheels EASILY. IF the bead is not going into the wheel but is getting pinched, you can use a small tool to help poke in into place or remove the ring completely and start over.

13. Use a crossing pattern to tighten the screws down a little at a time, do not over tighten.



Six-Bolt

DO NOT OVER TIGHTEN THE SCREWS.



You can watch the ring coming down against the wheel and when you see it getting close be very aware of any increase in resistance. Once you feel it STOP tightening.

Watch these edges as you tighten



Also, did we mention ... do not over tighten the screws?





For our beadlock rings, we used Locked Up RC 1.9" Agile Easy Mount™ rings with our M2x7 and M2x1 scale hex bolts.

You could also purchase all M2x7 screws and cut them down as we did in this video on youtube:

<https://www.youtube.com/watch?v=tWaUzJDtcAs>

Troubleshooting

Issue: I cut the inner lip off the wheel.

Solution: You could try gluing it back on but really ... get a new wheel. The TRX4 comes with 5 wheels so you get one "spare".

Issue: I over tightened one of the screws and stripped the thread out in the wheel.

Solution: You can try a few different things but most people will recommend jamming some plastic in the hole with some CA glue. You can also install some threaded inserts with a little glue.

Issue: My wheels are not clamping the tire tightly

Solution: Make sure you removed enough material from the face of the wheel. If you do not remove enough material from the face the internal ring will be too short.

Issue: The internal ring is too tall/my wheel is too short.

Solution: if you removed more material than necessary from the wheel, you will need to sand down the internal ring to match.