How to Replace TRS/LG1 race rear hub bearings

Written By: The Hive - Jeremy

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TOOLS:

- e*thriteen bearing press tool (1)
- External C-clip pliers (1)

PARTS:

- 6804 e*thirteen replacment bearing (1)
- 6902 e*thirteen replacment bearing (1)

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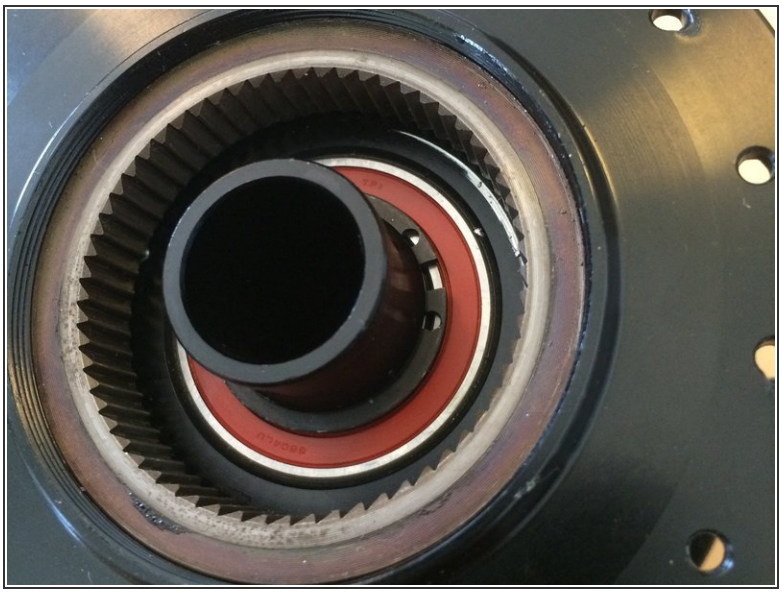
Step 1 — How to Replace TRS/LG1 race rear hub bearings



- Remove the axle and freehub body using this guide: [Generation 2 axle - TRSr/TRS+/LG1+ rear hub axle install and removal]
- You should just have the hub shell, bearing spacer and bearings left to remove

⚠ Some hubs use a C-clip to retain the driveside bearing. If you hub uses this clip, use external C-clip pliers to remove it.

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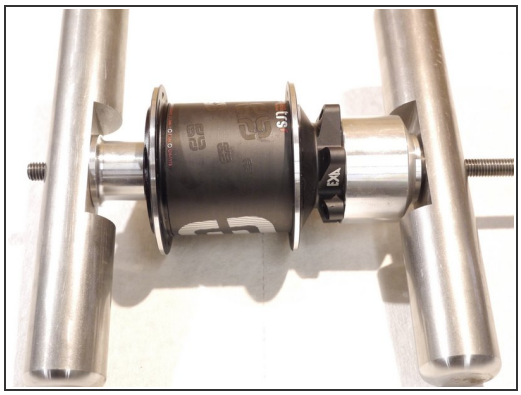
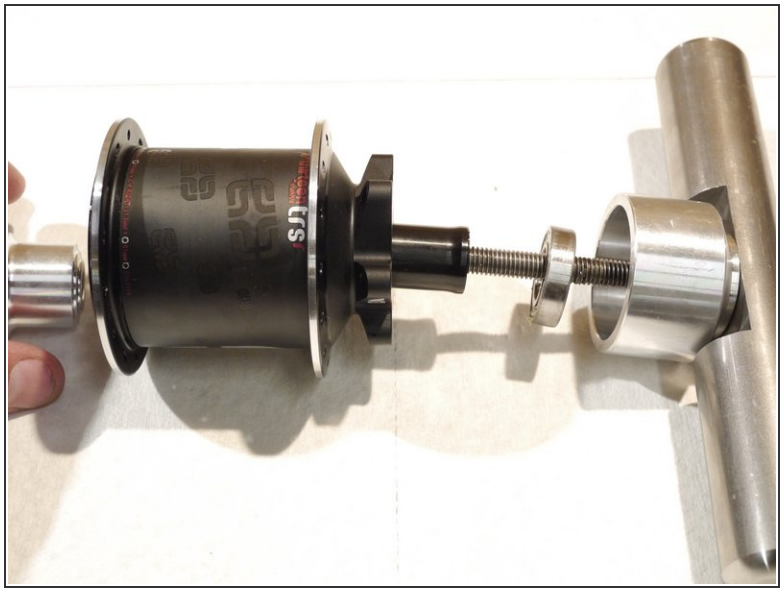
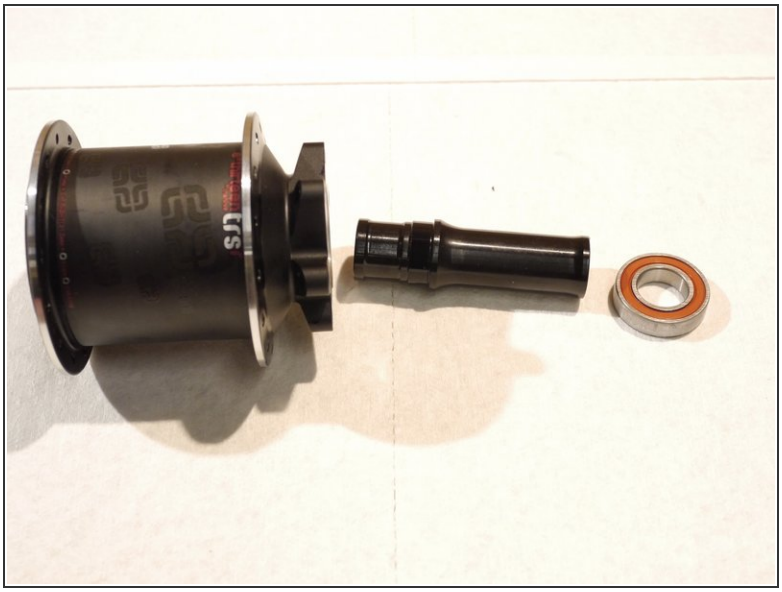
Step 2



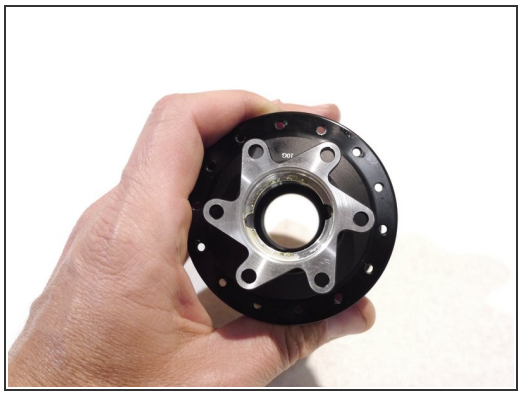
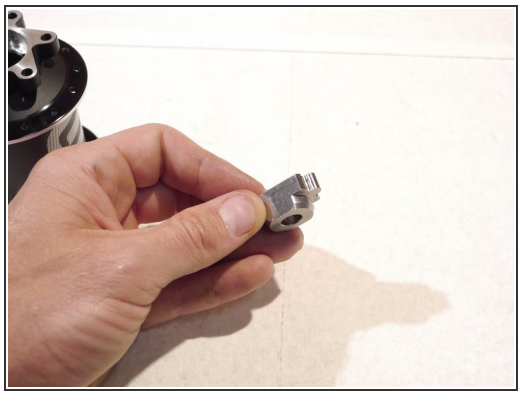
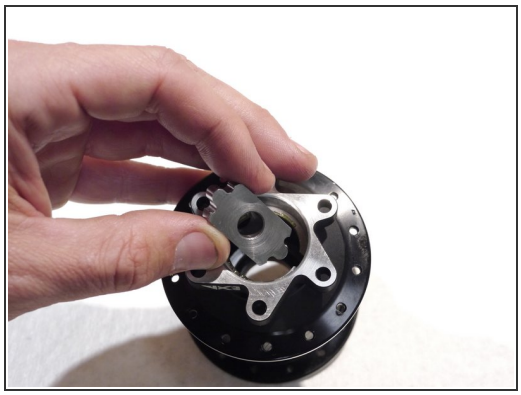
- Using the e*13 bearing service tool, place the axle press tool on the drive side axle
- Place the bearing removal cup on the disc side
- Slide the threaded rod through the hub, install the handles
- Make sure the axle press tool and bearing removal cup are centered
- Tighten the tool handles to press the axle and the disc side bearing out of the hub shell

Step 3

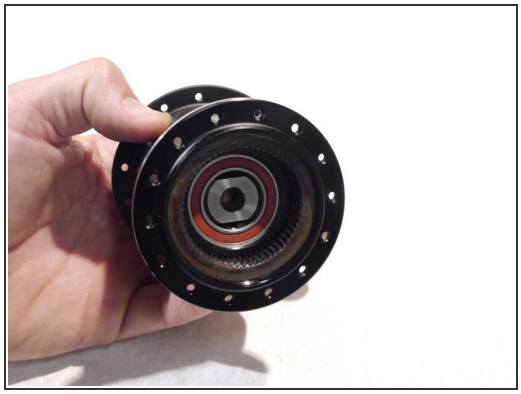
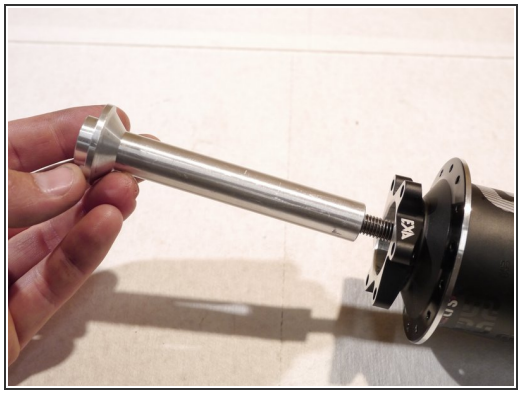
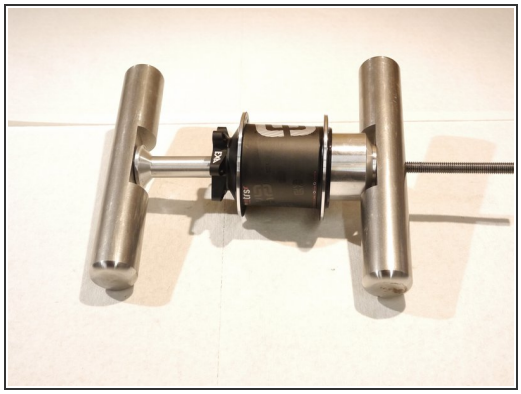
- Remove the axle and bearing from the hub shell

Step 4

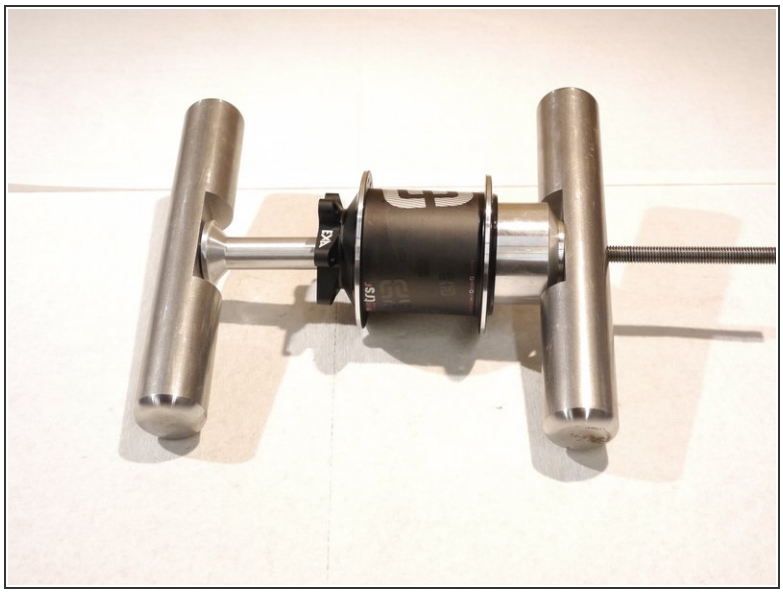
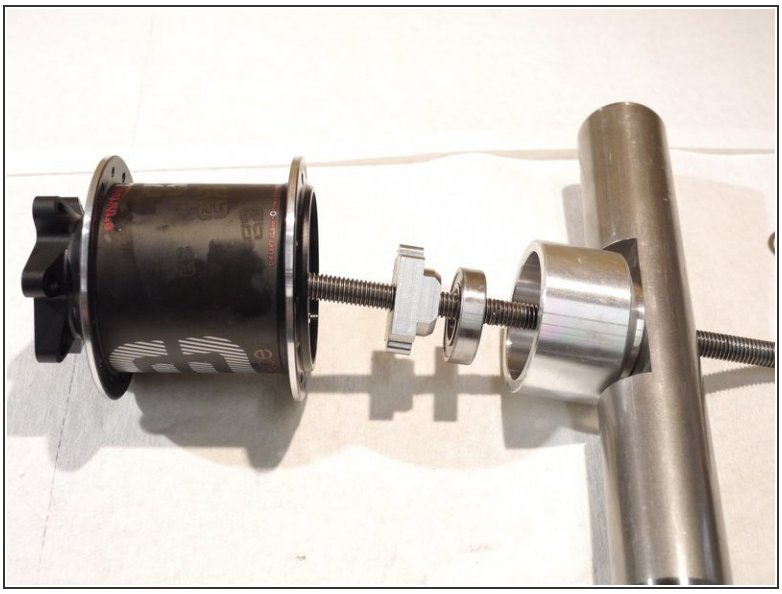
- Look inside the hub shell, you will see two cut outs in the bearing stop for the drive side bearing
- insert the bearing removal tool into the hub from the disc side and insert it into the drive side bearing
- Make sure the wings on the tool are in the cut outs. This will press the bearing out by its outer race

Step 5

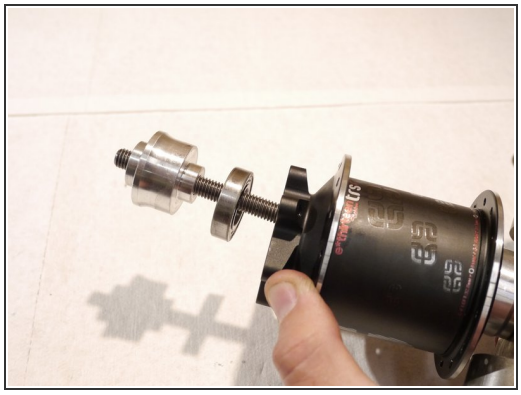
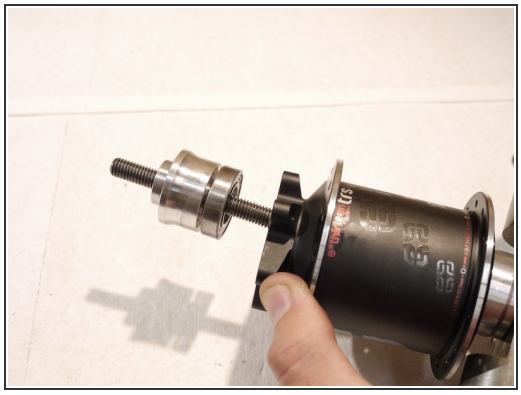
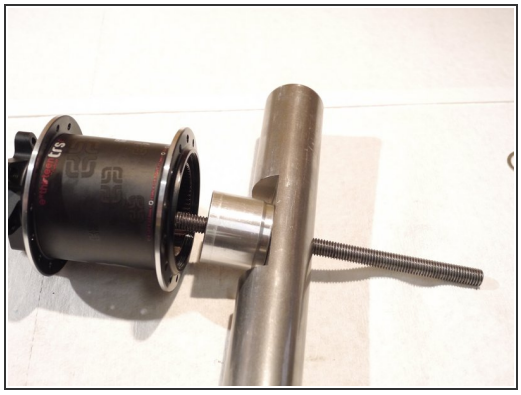
- Slide the threaded rod through the hub and the removal tool
- Slide the press rod over the threaded rod and onto the removal tool
- Place the removal cup on the drive side and install the handles
- Tighten the tool
- The press rod will press on the removal tool and push the bearing out of the hub shell

Step 6

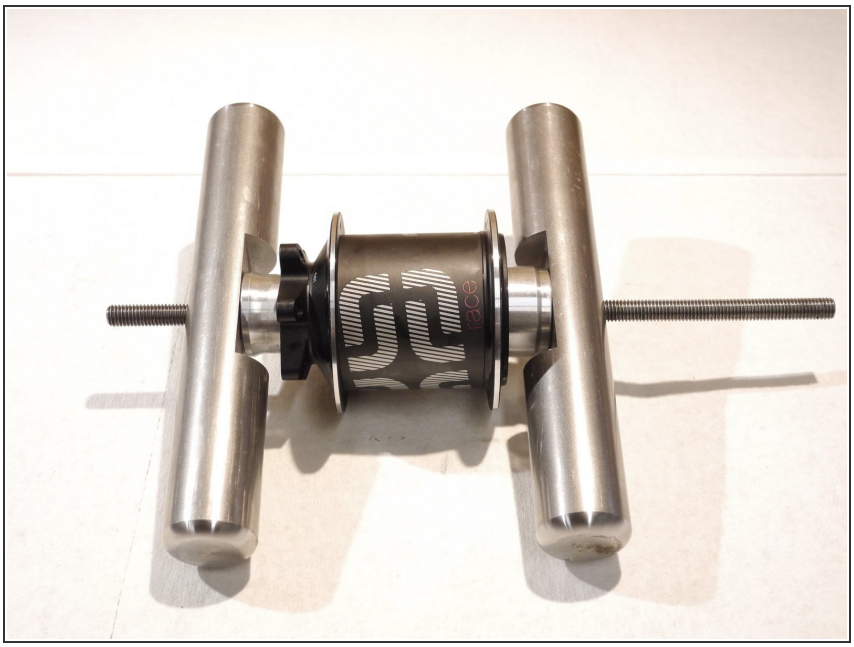
- Remove the bearing from the hub shell

Step 7

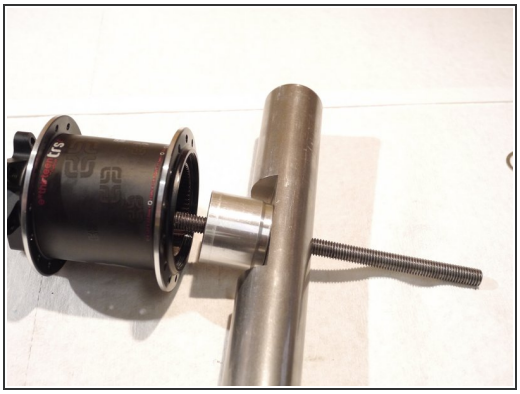
- To install bearings, start by installing the disc side bearing
- Slide the bearing over the bearing press tool
  - ⓘ e*13 original replacement bearings should be installed with the red seal facing out
- Slide the other bearing press tool into the drive side bearing bore

Step 8



- Tighten the tool handles to press the bearings in
- Be sure the bearing presses in straight

Step 9



- Leave the disc side bearing tool in place and remove the drive side too
- Slide the bearing spacer over the threaded rod and into the hub shell (tool removed in photo for clarity)
- Slide the bearing over the end of the bearing spacer
  - ⓘ e*13 original replacement bearings should be installed with the red seal facing out
- Place the bearing tool on the drive side over the bearing

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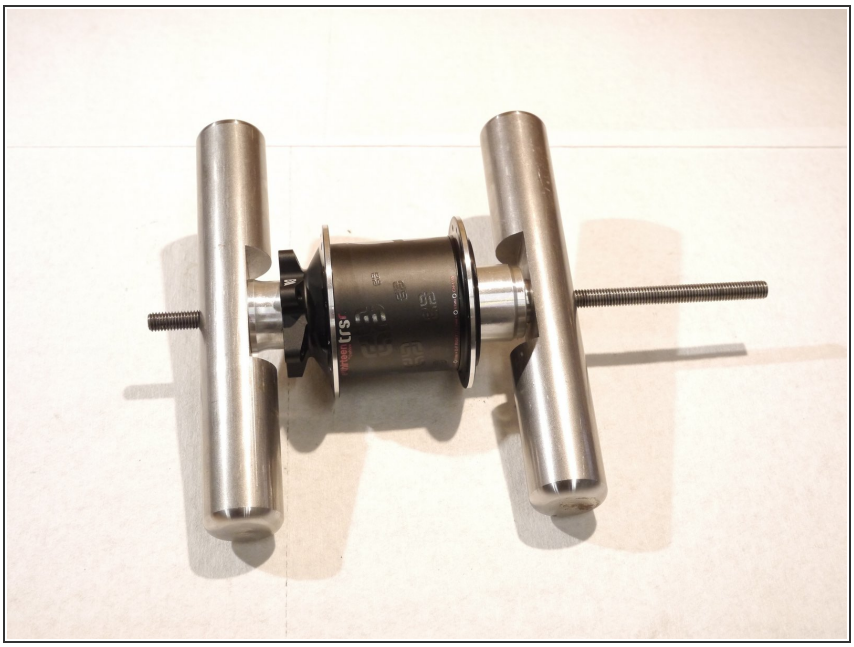
Step 10



- Put the handle back on the rod and tighten the tool to press the drive side bearing in, capturing the axle between the bearings
- Check the bearings to be sure they are pressed in fully and spinning smoothly, you can now reinstall the the axle: [Generation 2 axle - TRSr/TRS+/LG1+ rear hub axle install and removal]

Thanks for reading, now get out there and ride!

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