

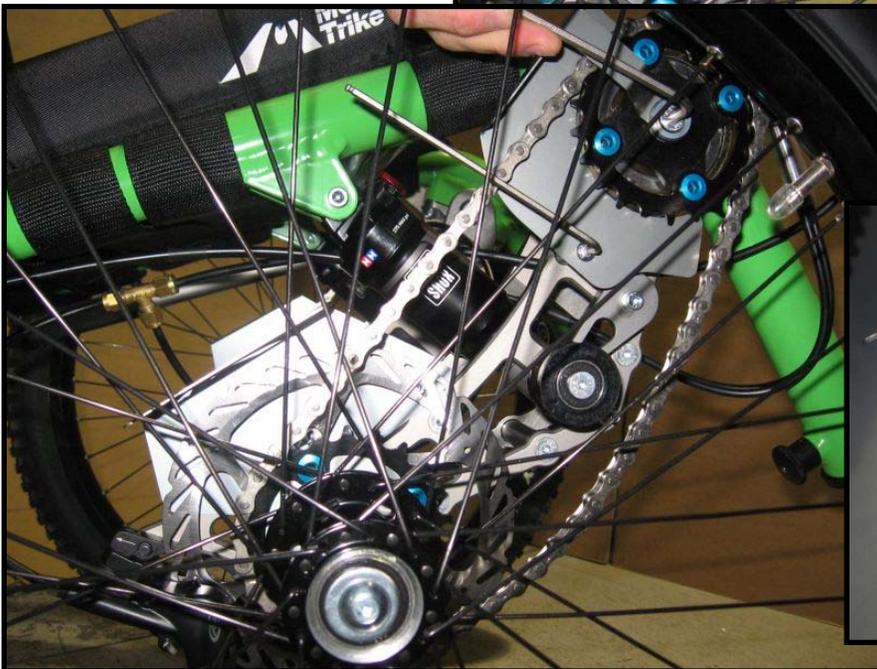
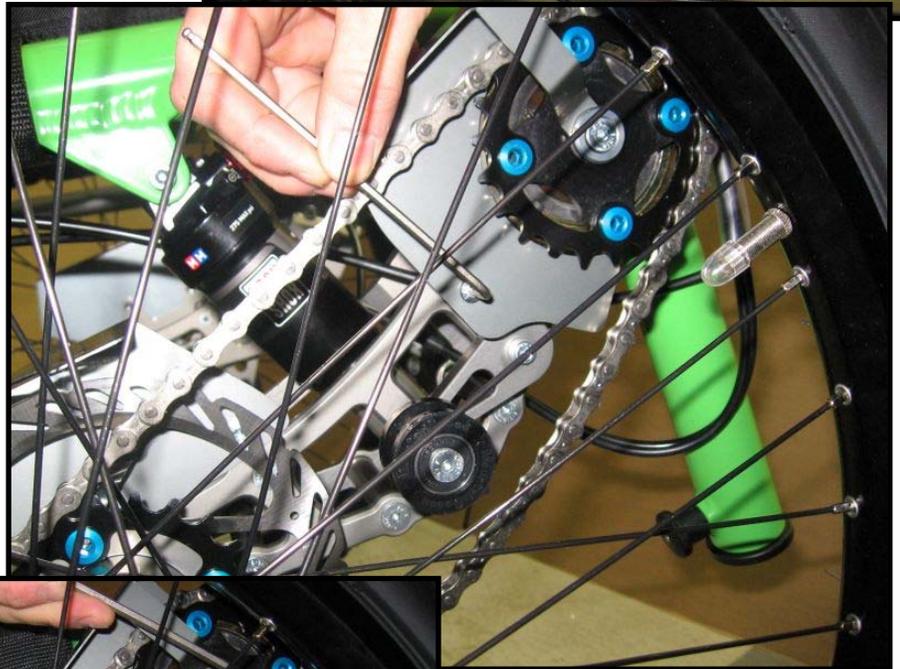
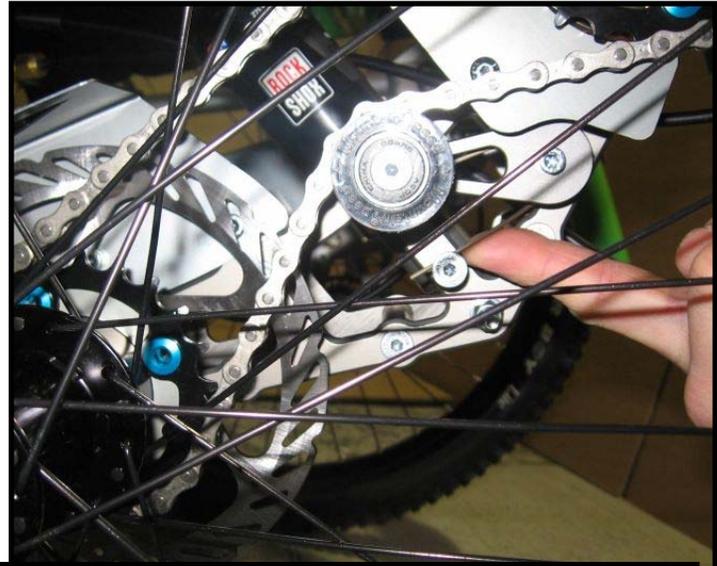
This service takes approx 15-20 minutes

Difficulty rating - medium

Before Starting you will need:

- 2.5mm allen key to remove hand grip
- 3mm allen key to remove chain guard
- 4mm allen key to remove end bolt and brake lever
- Scissors/snips to cut zip tie holding steering cable to drive lever
- Vice to make it easier to hold things and press new bearings in squarely

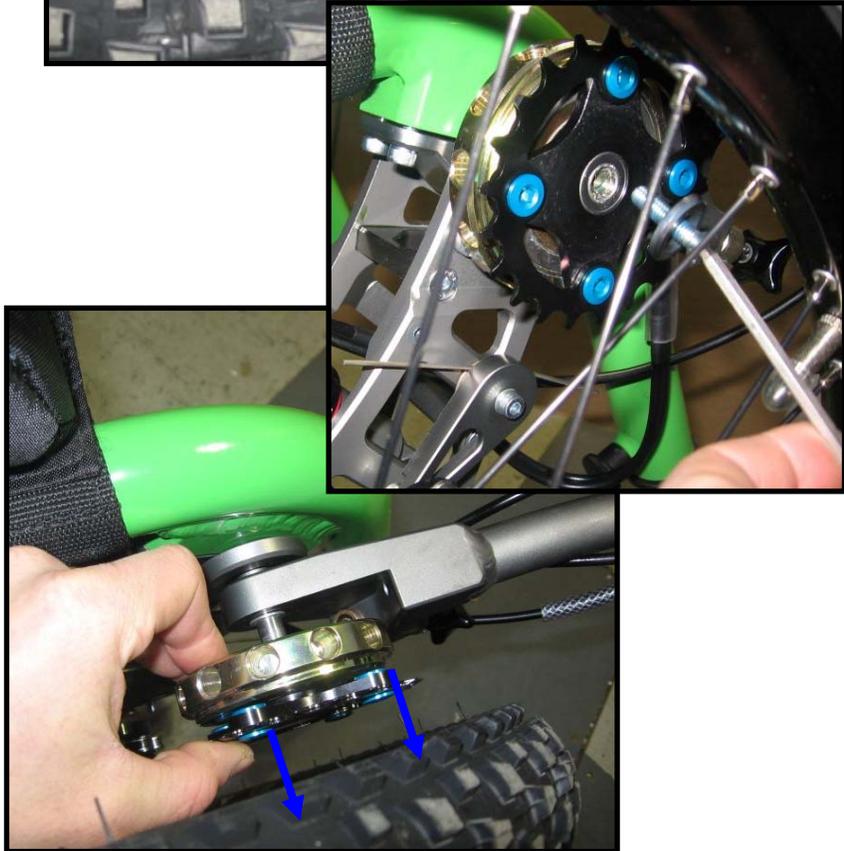
1. Unlatch the chain tensioner spring from the bolt sticking out of the main swing arm to release tension on the chain
2. Using 3mm allen key unbolt chain tensioner
3. Using 4mm allen key loosen end bolt
4. Remove chain guard



5. Remove the chain from the upper sprocket and let it drop down loose



6. Remove the end bolt to allow the drive unit and gear to slide off. \* **there is a small centre spacer between the drive unit and the drive lever which may stick to the drive unit when removed\***



7. Remove this centre spacer



- If you are removing the Drive lever from the non steering side, simply slide the lever off the pivot pin \*there is a small spacer between the drive lever and swingarm, make sure this stays in place, there is no need to remove it\*
- If removing the drive lever from the steering side, proceed to these steps:

8. Cut cable tie holding steering cables to drive lever



9. With 4mm allen key loosen steering cable tension bolts and pull cable slack



10. Undo upper and lower Hand Grip collars with 2.5mm allen key and slide grip off



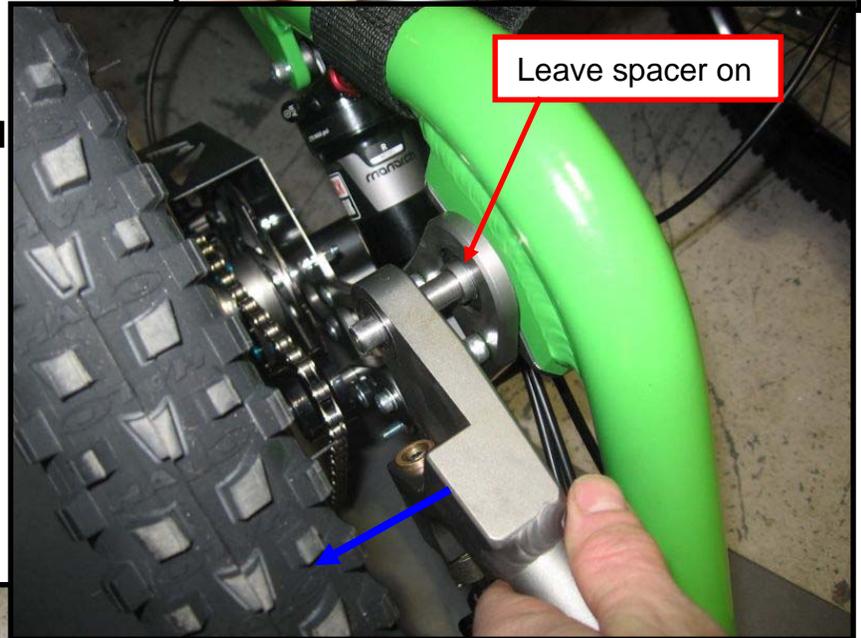
11. Undo brake lever with 4mm allen key and slide off with parking brake



12. Unhook steering cables from steering handle



13. Slide drive lever off pivot pin **\*there is a small spacer between the drive lever and swingarm, make sure this stays in place, there is no need to remove it\***



## BEARING REPLACEMENT

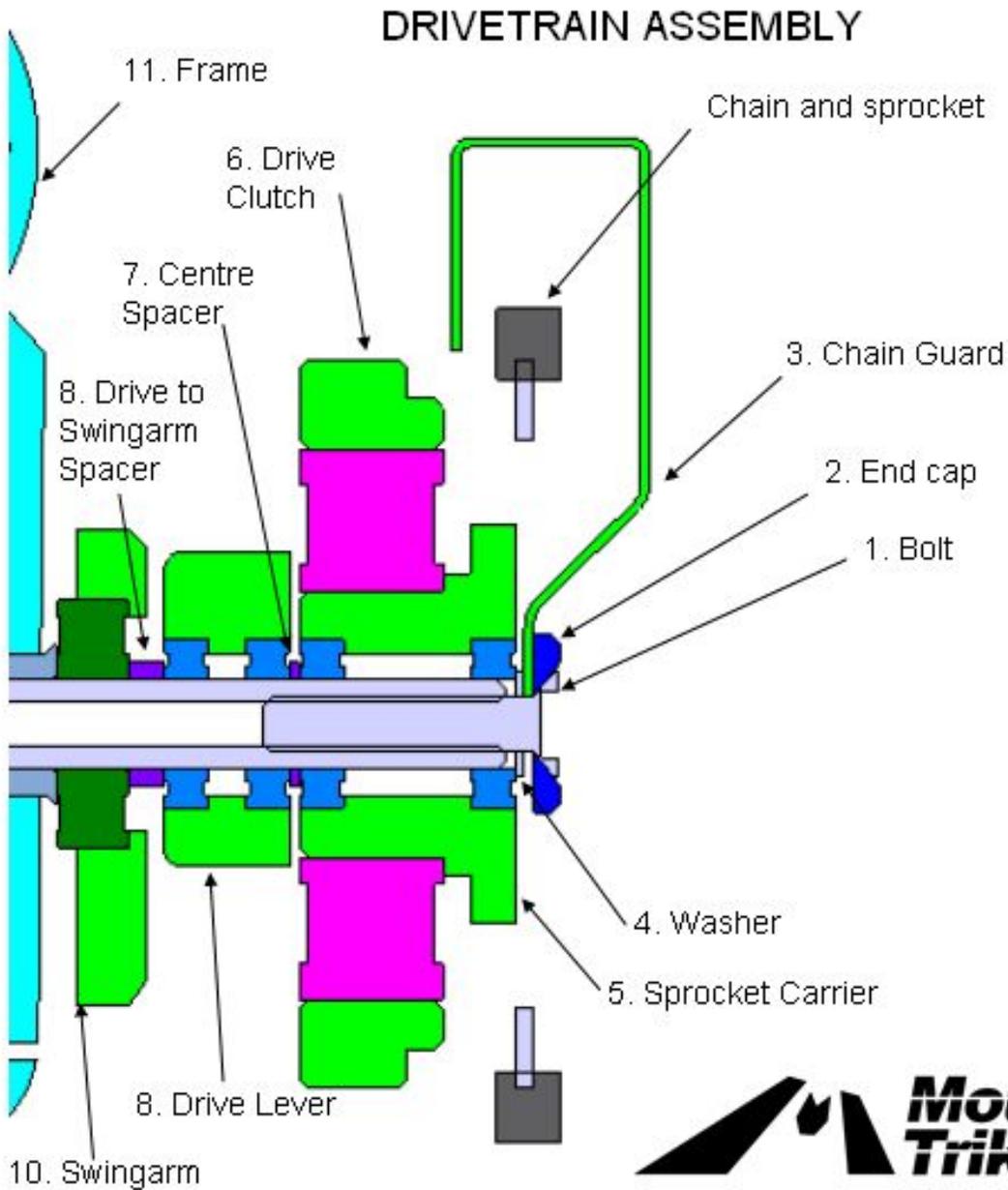
1. With a screw driver and hammer, carefully knock out the worn bearing. It may be easiest to hold the Drive lever in a vice or on the edge of a work bench to do this.



2. Press the new bearings into the lever with a vice, ensure the spacer is fitted between the bearings.



**ASSEMBLY DIAGRAM**



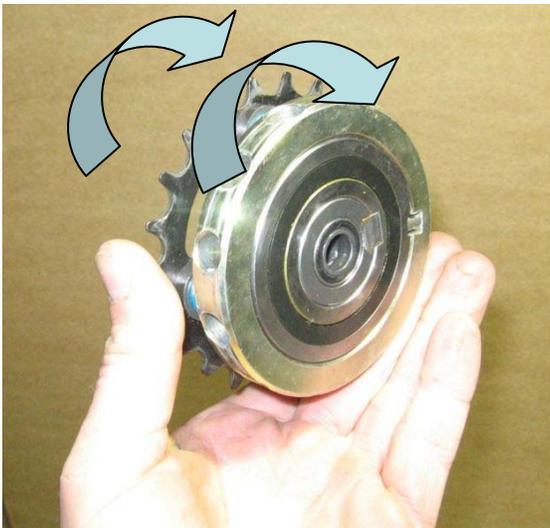
**ASSEMBLY**

1. Slide drive lever onto pivot pin – making sure spacer is in place between swing arm and drive lever
2. Slide centre spacer onto pivot pin

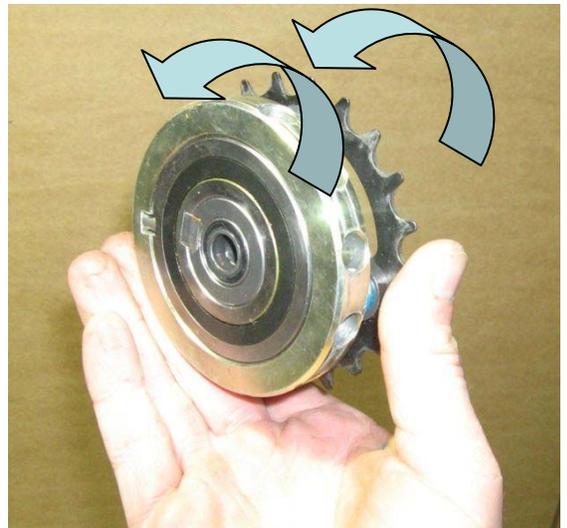


3. Slide Drive unit onto pivot pin – make sure it is the correct drive unit for that side of the trike. Check this by rotating the gold engagement ring (with holes in).

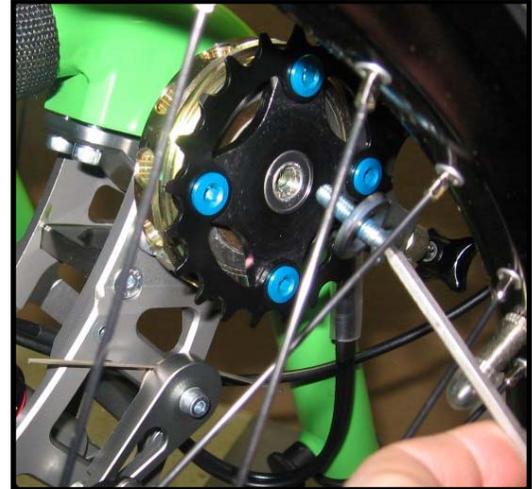
**For the left side (as sitting on the Trike) the Engagement Ring should turn the sprocket forwards when orientated as pictured.**



**For the right side (as sitting on the Trike) the Engagement Ring should turn the sprocket forwards when orientated as pictured.**



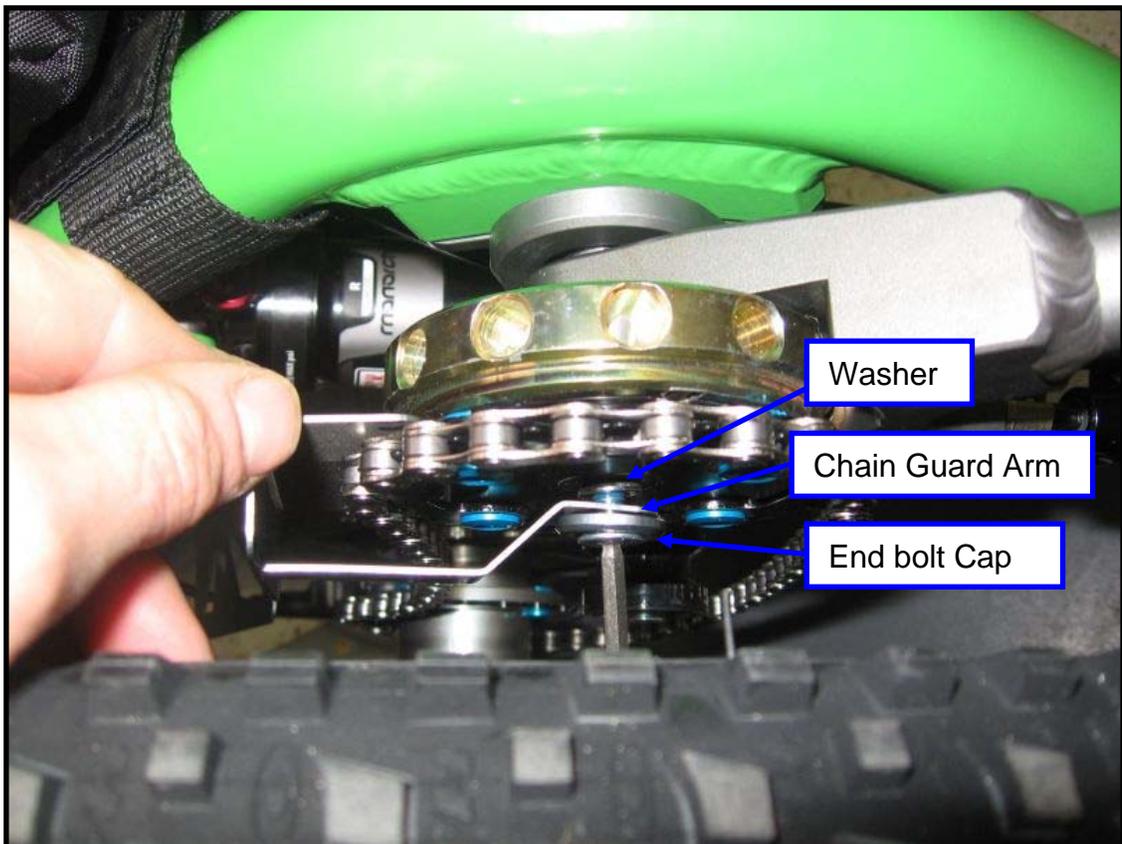
4. Hook chain back onto sprocket



5. Loosely screw end bolt into pivot pin

6. Refit chain guard making sure that the spring for the chain tensioner is not restricted by the chain tensioner bracket and that the arm of the chain guard fits between the end bolt cap and the washer as pictured.

7. Tighten end bolt



8. Ensure chain is fully located on both sprockets and Latch one end of chain tensioner spring into the back of the chain tensioner arm and the other end onto the bolt protruding from the swingarm



9. Lift wheel off the ground and spin it to check the chain spins freely and that drive engages correctly.

10. For steering side, hook cables into steering handle and tighten the cables. Refit brake and grip and zip tie steering cable to mount on drive Lever.

10. Go ride!

**Contact [tim@mountaintrike.co.uk](mailto:tim@mountaintrike.co.uk) if you at all unsure about any aspect of these instructions.**