



Replacing Stage 1 or Stage 2 Gear on X-Drive Gears

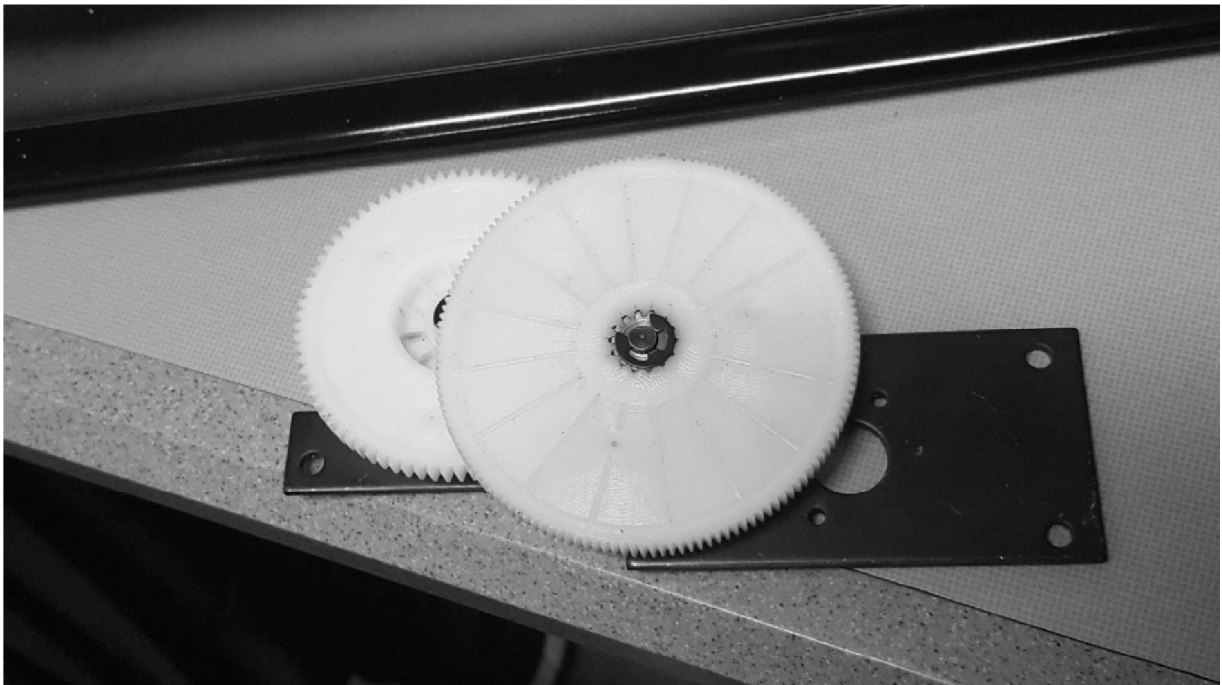
To remove and replace gears on X-Drive Gear Train Plate, you will need the following tools:

- Flat head screwdriver
- Needle nose pliers
- Axle grease or something similar (do not use oil or white lithium grease)

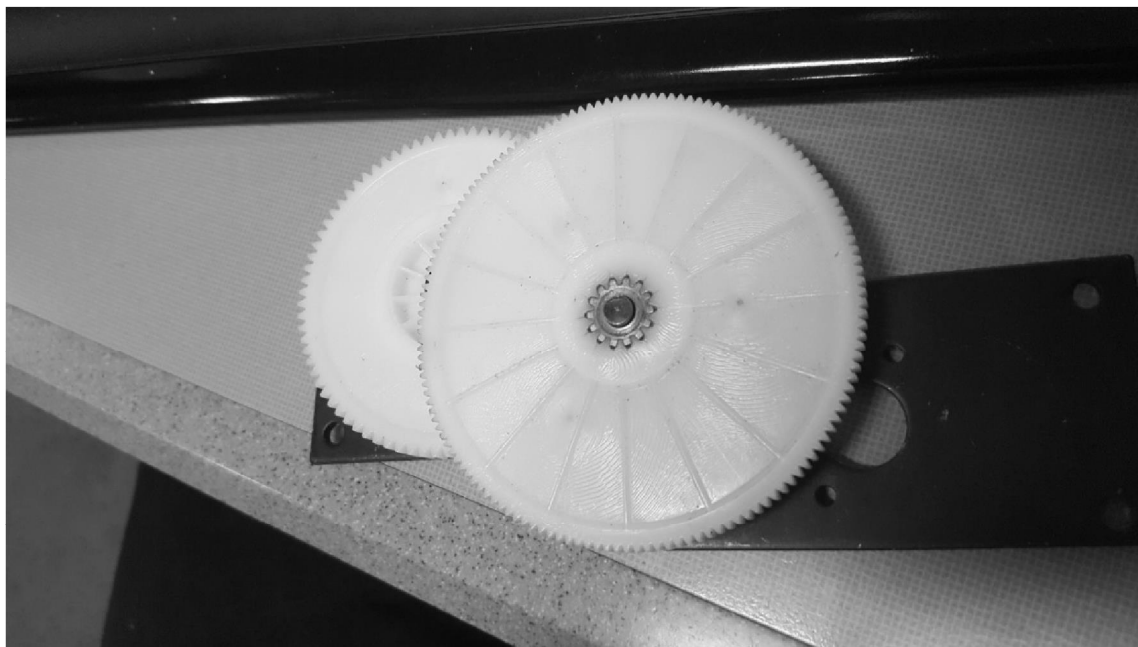
The X-Drive Gear comes as one complete assembly. Follow instructions for Removing and Replacing X-Drive Gears on this document:

http://www.carverwright.com/assets/service/Service_instructions/CarveWright_service_replace_x-drive_gear.pdf

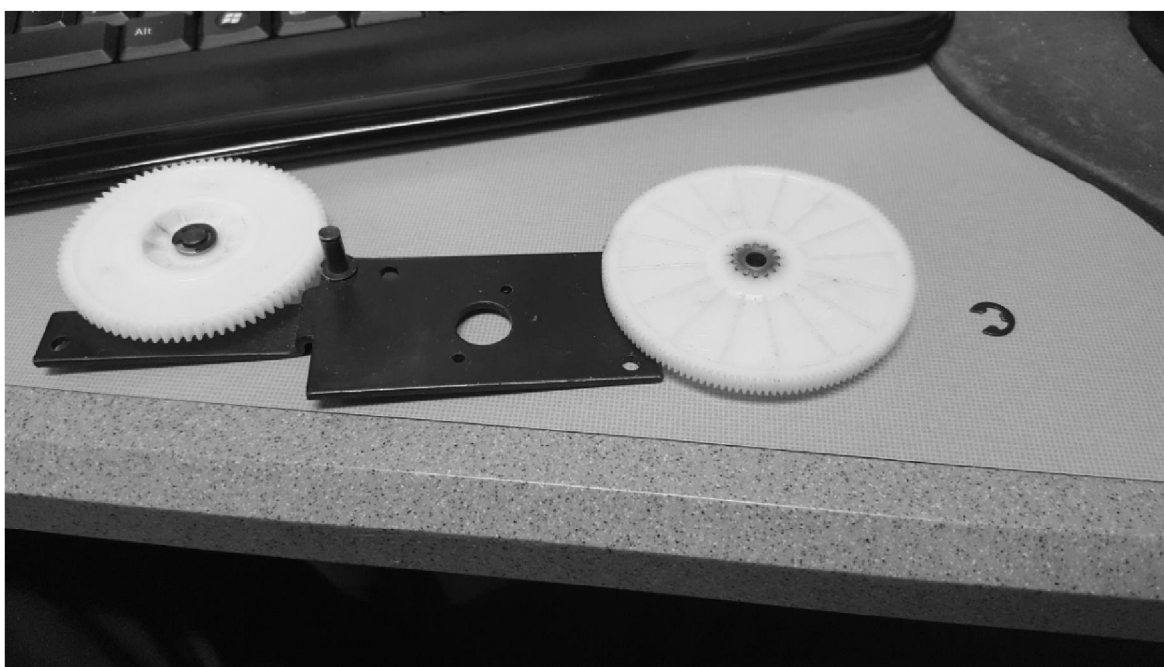
Once you have removed the plate with gears, follow this document for replacement of only the gears.



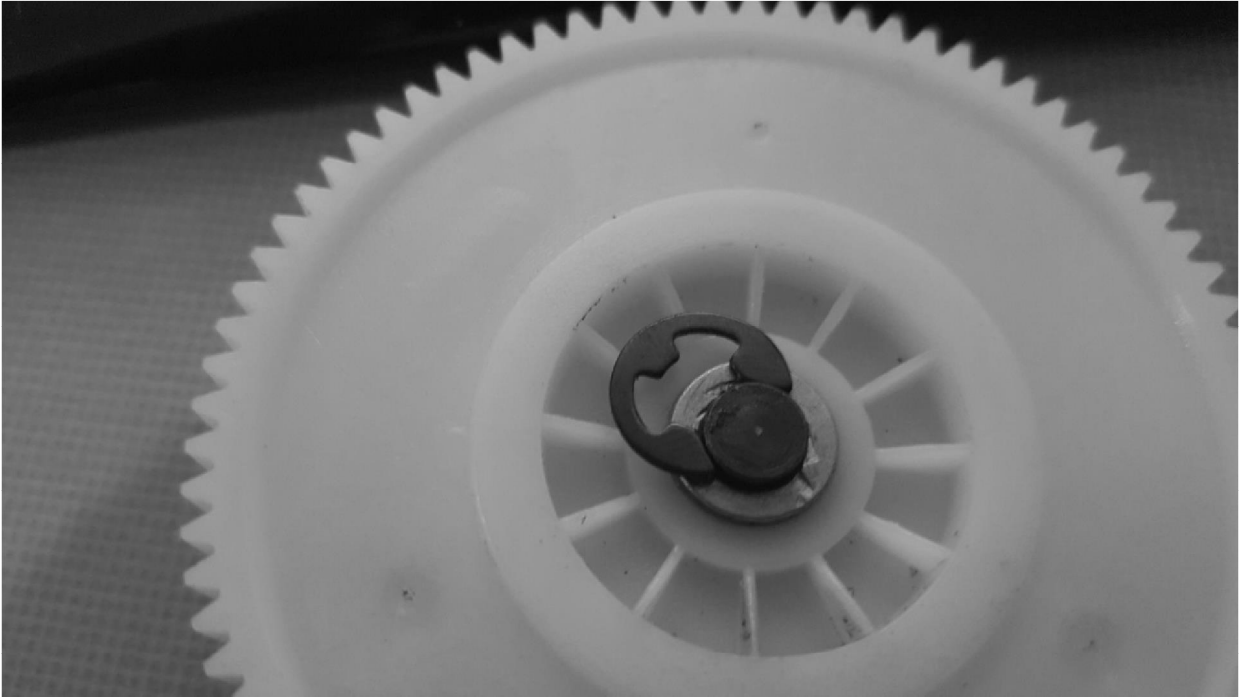
With gear plate in hand, remove the E-clip from the larger Stage 1 gear using a flat blade screwdriver or pliers. Do not lose the e-clip, as you will use it again.



Once E-clip is removed, you can remove the Stage 1 gear from the plate. (Note: You may need to wiggle and turn this gear while pulling to remove it from the plate.)



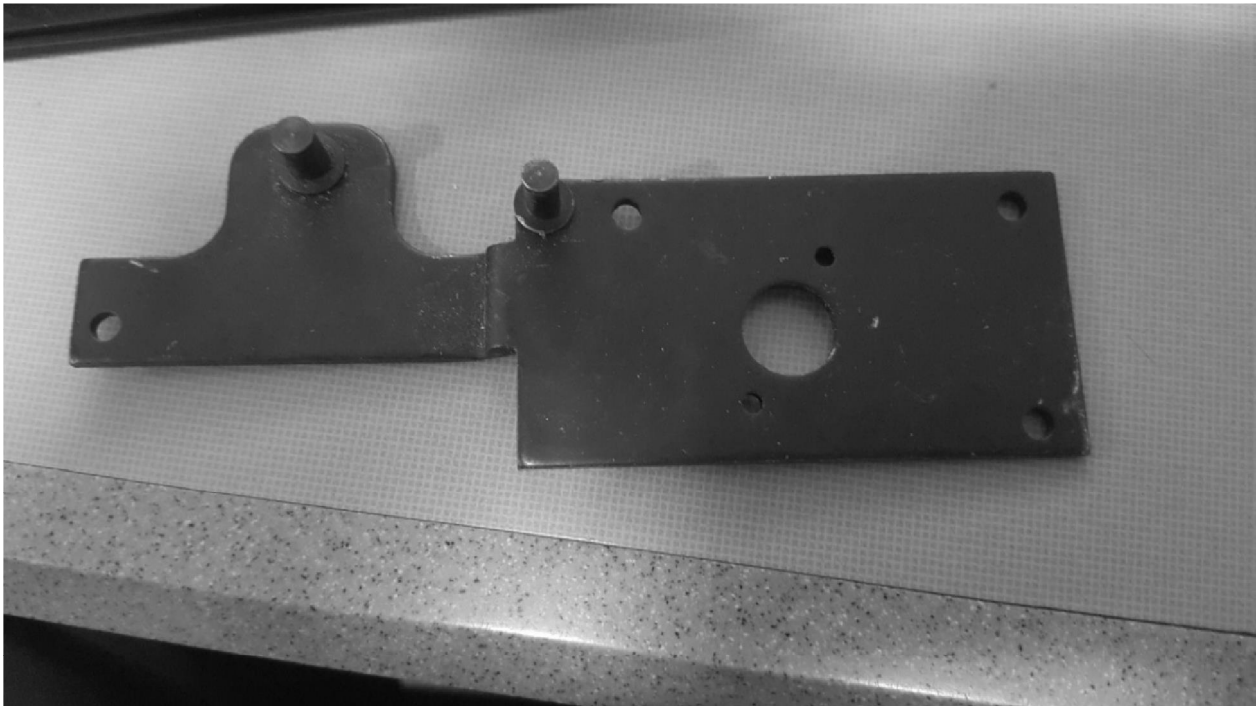
Repeat the same steps to remove the smaller Stage 2 gear. Do not lose e-clip.



Note: You may need to wiggle and turn this gear while pulling to remove it from the plate.



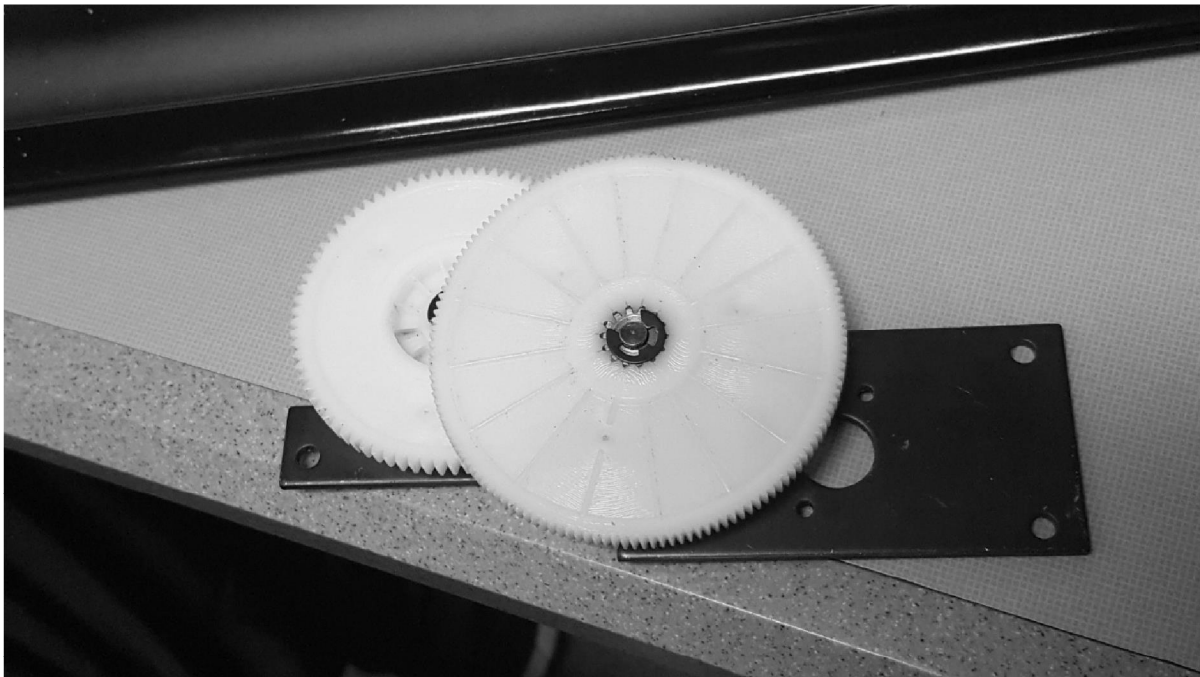
Below is the train plate without the Stage 1 or Stage 2 gears.



Apply a little grease to both shafts before installing the gears. Push the new Stage 2 gear onto the shaft with the smaller gear toward the plate. Replace the E-clip as shown below using pliers.



Put the new Stage 1 gear onto the shaft making sure the metal teeth on stage1 lines up with the stage 2 gear. Replace the E-clip as shown below using pliers.



Apply grease to gear teeth, and rotate the gears by hand to distribute the grease around the teeth of each gear.

Refer to Removing and Replacing X-Drive Gears on this document to reinstall:

http://www.carveright.com/assets/service/Service_instructions/CarveWright_service_replace_x-drive_gear.pdf

Make sure you regularly Check Head Pressure to help keep from putting these gears in a bind can be one of the causes of broken gear teeth. <http://support.carveright.com/checking-the-head-pressure/>