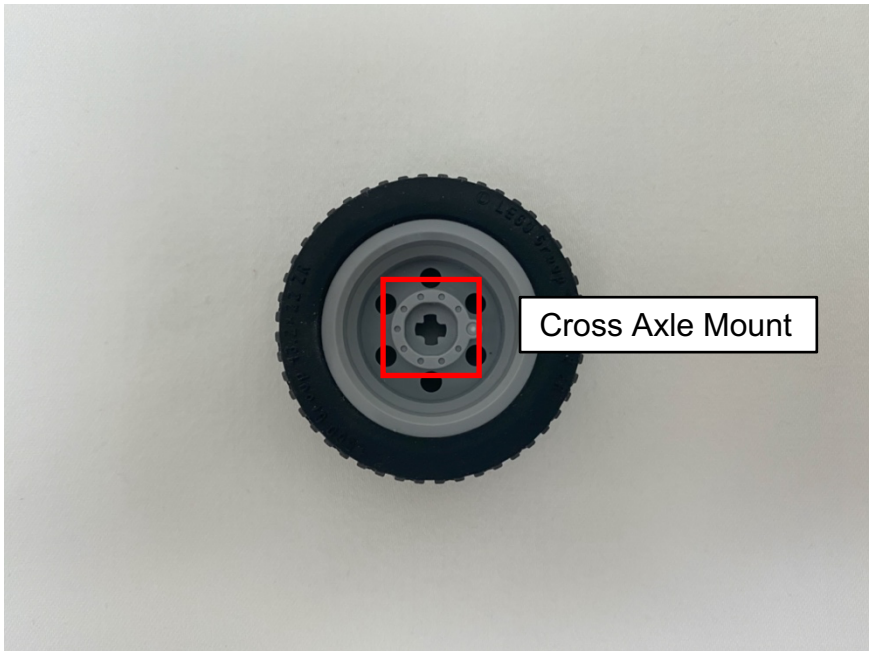
Adjusting the Drive Wheel Arm

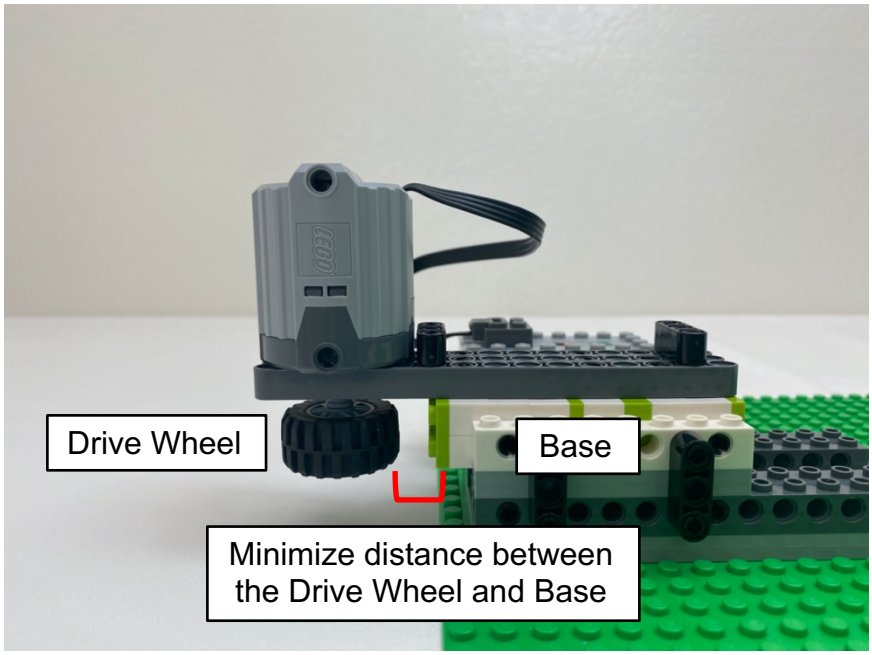
This document describes how to adjust the drive wheel arm to support different drive wheels.

The DIYnamics Technics Table is a modular system. Possible modifications include changing the drive wheel. Analogous to gear ratios, a larger drive wheel will increase rotation rate and vice versa. Prospective drive wheels must feature a cross axle mount.

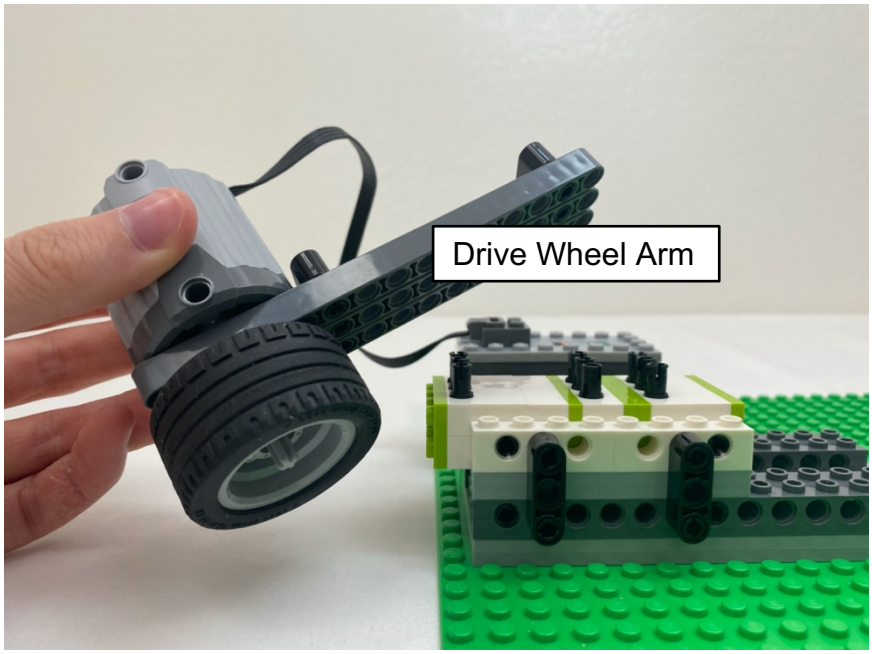


The drive wheel arm can be shifted to facilitate the use of small to large drive wheels. The goal is to minimize the distance between the drive wheel and base; this will minimize drive wheel arm oscillation.

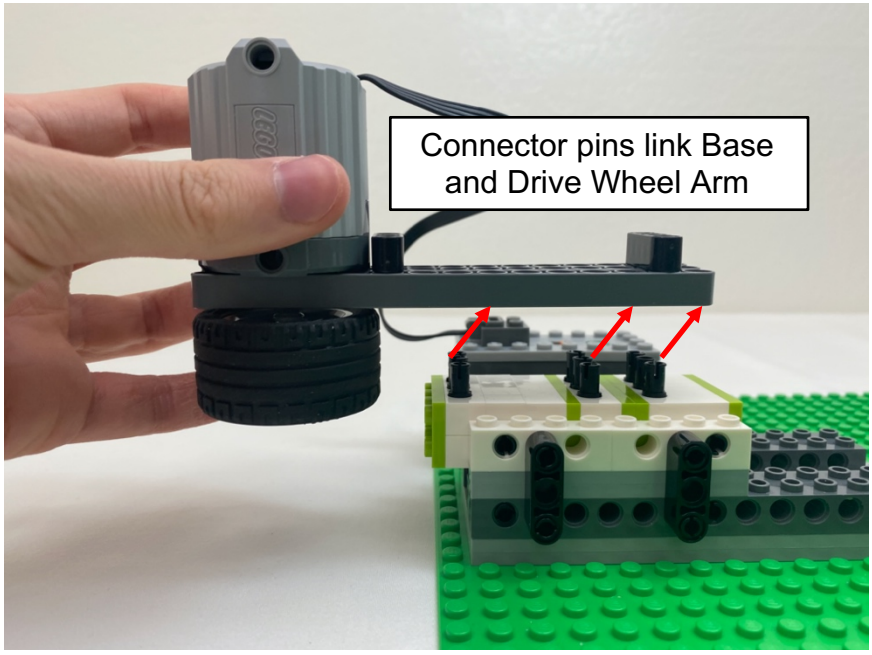
Drive wheel arm in its shortest configuration.



Remove drive wheel arm by pulling upwards.



Set length by changing where Base connector pins attach to the Drive Wheel Arm.



Drive wheel arm in longest configuration. The left image illustrates a large drive wheel fitted to the arm. The right image illustrates a small drive wheel fitted to the arm; this drive wheel will be better served by a shorter arm to minimize its distance to the base.