

We have been testing the new design on the rover for only a few classes now. Our first test drive we discovered the loose/missing set screws for the keyed shaft. The rover had to be pushed back into the den, but none of the frame components broke. Our second test drive went poorly. We removed the rear chain because we do not have a chain tensioner for it. After we did this, we immediately had issues with the #40 drive chain. Without the rear chain, the #40 chain pulls the common axle towards the front axle, and jams the two sprockets locking the pedals from moving forward. We still can push the rover forward, but cannot be pedaled. The Great Hall is a good testing area on rainy days, but using the track and parking lots work best for dry days.