

## TROUBLESHOOTING GUIDE

### Abnormal Noises Are Coming From The Drive System.

Problem: Noise(s) are coming from the drive case that were not present before.

Possible causes: There are many different reasons for a noise to appear in the drive case. Usually it is a simple matter of elimination to narrow down the source of the problem(s). First remove the nine (9) screws securing the outer drive case cover and remove. Visually inspect the belts and pulleys for any obvious signs of damage. Look at the bottom of the drive case for dust or debris, which may point to the trouble spot. Check the inside of the outer cover you removed. It should be smooth. If you see any marks indicating that a belt and/or pulley has been rubbing the cover call customer service for further instructions. If no damage is apparent, prop up the cart so that the rear drive wheel is off of your work surface. Install the main battery, turn on the cart, and run it up and down through the speed range. Try to pinpoint the source of the noise(s). (CAUTION: KEEP FINGERS, HAIR, ETC. AWAY FROM THE SPINNING BELTS AND PULLEYS. CONTACT WITH MOVING PARTS CAN CAUSE INJURY.) On the far left of the drive is the large black final drive pulley. The pulley is connected to the rear axle by a shear pin that goes through the axle and fits into a slot in the backside of the final drive pulley. Making sure the cart is turned off and the battery disconnected, hold onto the final drive pulley with one hand. With your other hand try to turn the drive wheel. The two should be locked together. If you can turn them independantly of each other the shear pin, which locks the final drive pulley to the axle, is broken. Refer to Shear Pin Replacement for detailed instructions on how to proceed. If no problem has yet been found, use a 5/32" hex wrench to loosen the screw with the brass washer located to the left of the brass motor pulley. This will cause the belt tensioner to drop down. Note how the black 1<sup>st</sup> stage belt is positioned over the pulleys and remove the belt. Reconnect your battery and run the motor up and down through the speed range. It is normal for the motor to have a 'hum' at its lowest speeds, but the motor should run smooth with no rattles or jerky motions. Contact customer service if you suspect the motor is the problem. If you eliminate the motor as the problem, spin the drive wheel by hand. Check for noises or any visable problems coming from either the large black final drive pulley, the white intermediate pulley located in the center of the drivecase, or the toothed 2<sup>nd</sup> stage belt running between the pulleys. Once the source of the problem is located, or if you are unable to pinpoint the problem after running these tests, contact customer service for further assistance. To reinstall the black 1<sup>st</sup> stage belt, position it on the pulleys and press up on the belt tensioner roller while tightening the screw. The belt should be snug but do not overtighten as this puts undo stress on the motor.

CALL CUSTOMER SERVICE WITH ANY QUESTIONS OR PROBLEMS