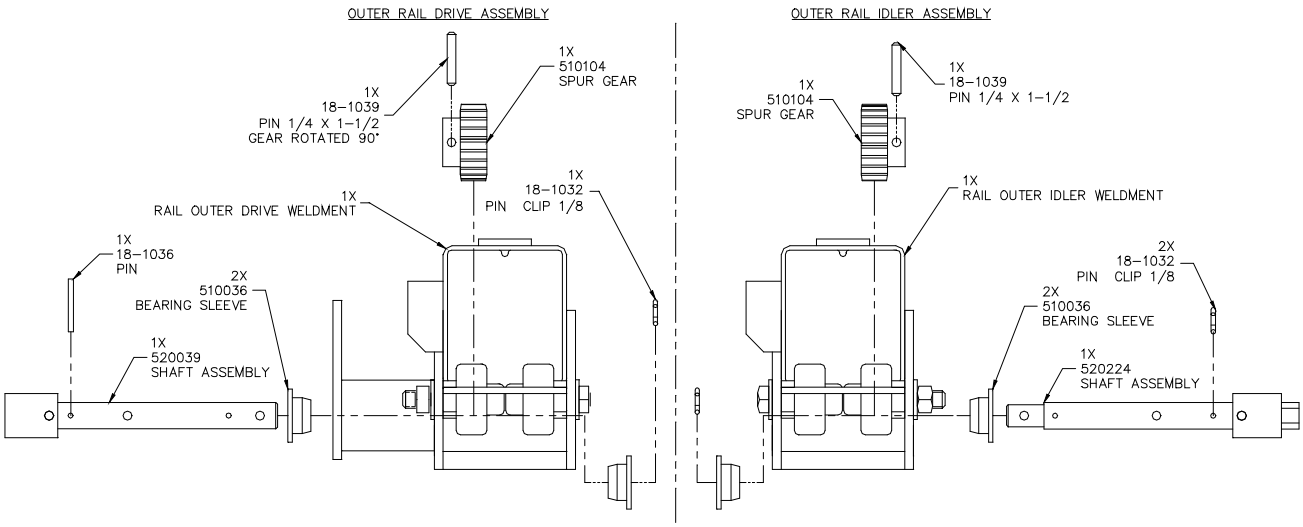
T.I.P. Troubleshooting Information on Power Gear



1. Disconnect battery.
2. Remove all items necessary to access outer rail gear assembly.
3. If motor is mounted to rail, remove the motor mounting bolts and remove the gearmotor.
4. Remove the drive shaft bolt and slide the drive shaft away from the outer rail assembly.
5. Remove the cotter hair pin from the gear shaft.
6. Slide the gear shaft to disengage the gear from the rack and rotate the gear shaft until the spur gear shear pin is visible.
7. Remove the shear pin.
8. Pull the gear shaft out of the outer rail assembly, removing the spur gear from the shaft.
9. Remove the bushings from the shaft plate. Insert the new bushings into the shaft plate. Slide the new gear shaft back into the outer rail assembly through the first bearing sleeve.
10. Slide the new spur gear onto the gear shaft.
11. Align the spur gear hole to the hole in the shaft and slide the gear shaft through the second bearing sleeve. **Note: orientation of hub on gear when fully assembled gear teeth on gear and rack must line up If not, gear must be removed from shaft and rotated 180°.**

12. Verify the hole alignment and insert a new shear pin, making sure that the shear pin is inserted completely.
13. Disengage the gear from the rack and rotate the gear shaft until the gear shaft hole and drive shaft hole line up.
14. Engage the gear and rack by sliding the gear shaft back through the second bearing sleeve.
15. Replace the cotter hairpin in the gear shaft.
16. Slide the driveshaft back into position over the gear shaft and replace the driveshaft bolt with the correct number of washers and lock nut. **Refer to TIP Sheet #73 "Torque specification for Slide-out Drive Shaft Bolts"**for proper assembly of the driveshaft bolt, washer and nut.
17. Reinstall the gearmotor (if applicable) and bolt and nut into place.
18. Check to verify both inner rails are aligned by measuring the distance from the unit wall to the wall of the slide-out room (both sides of the room). If the (2) measurements vary more the 1/8", refer to **"TIP Sheet #70 "Inner rail realignment"** to realign the rails.
19. Replace all items that were removed to access the outer rail assembly.
20. Reconnect the battery and test the system operation.