Motor Gearbox Replacement

Tools Needed
3/8 Speed Wrench
7/16 Speed Wrench
Needle Nose Vise Grips
Screw Gun
Wire Cutters /Wire Strippers
Floor Jack

1. If possible, run room to the out position and support room with floor jack and a piece of wood. This will ensure the room will not move when loosing up on the cable and chains. If the room will not extend under normal power, you can try and have one person press the extend on slide switch and a person on each side of the side slide box to push and help engage gears in the gearbox to extend too the out position.
2. Remove any facia to gain complete access to the motor, gearbox, and adjustment brackets.
3. Disconnect the power wires at the two leads coming out of backside of motor.
4. **Before losing the cable and chains you will want to mark the chains in their current position.** The best way to do this is with a couple zip ties or two pieces of wire. Run the zip tie or wire through the open leak in the chain ring next to the sprocket. Do this on both the left and right side of sprocket.
5. Loosen the cable and chain coupler nuts on both the In and Out brackets. The cables and chains will need to be lose enough to remove chain from sprocket. Remove both chains from sprocket and let set on top of the room.
6. Remove fasteners holding gearbox bracket to sidewall.
7. Install replacement motor & gearbox using the same holes that held the original bracket in place. Use new fasteners if necessary. Be sure not to overtighten.
8. Attach chains to the sprocket. Use the zip tie or wire from step 4 to properly align chain on the sprocket. It is important to have the chains in the same placement as they were before removed from sprocket. This will ensure the chains are timed together on the left- and right-hand side.

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Cable Adjustment

a. Start with the out-cable bracket. First take out excess chain and cable slack by tightening the center chain nut.
b. Tighten both the top and bottom out cables util they are extremely tight. Tighten the center jamb nut be sure the bracket is straight up and down and not on an angle. Failure to do the can cause the in and out bracket to hit one another when running to room to the extend or retrack position causing damage to the system.
c. Move to the in-adjustment bracket. tighten the center chain coupler nut remove any excess slack
d. Tighten the top and bottom cable coupler nut remove slack in cable until you have a fair amount of tension on each cable. NOTE the in-cable tension will not be as tight as the out cables at this time.
e. Repeat these steps for the other side adjustment brackets.

9. Room is now ready to be ran. **Before running the room, the room support will need to be removed.**

10. Fully retract the room to the closed position and then extend back to the out position. Check to see if both the top and bottom standoff brackets are making contact with the jamb mounted to side wall. Adjust accordingly.

11. With the room extended to the out position remove any excess slack in the in cables. The in cables should only be tightened enough so that the cable is running straight with an inch of up and down deflection. You will check cable deflection on the outside of unit.

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