I had problems with my Kwikee step Series 32. The steps on occasion would not retract. I had to tap the motor with a hammer while closing the door to get them to work even in doing this it was may or not work on the next try. I had lubricated the steps and linkage, and checked the door switch, controller, and battery voltage using the Technical tips on the Kwikee Step internet site. Also I took the motor off the gear box and checked for any worn, or broken parts in the gear box. All checked out fine. This left the step motor as being the part that needed replacement.

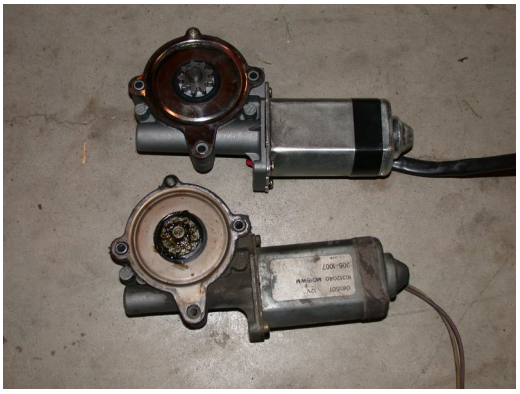
I had seen a post from member bsinmich in the forum and contacted him for more information. He said that he used a front door window lift motor that was suppose to fit a 1990 Lincoln.

I called a large RV parts dealer in Texas, and told him that I needed a motor for a 32 series Kwikee step. He said that I could not get just a motor that I would have to buy the complete kit that included the controller, gear box and motor as a matched kit. The cost was $209 for the kit. I told him that I had heard that the motor was a window lift motor. He said that he had not heard that and that he doubted that information.

I did research and found that by looking on the NAPA internet site they had photos of the lift motors. I found that a 1986-1995 Ford Taurus left front window lift motor matched my motor. NAPA part # BK655-1395 $63.99 I ordered my motor from Auto-Zone Manufactured by Dorman part# 742-206. This has a lifetime Warranty and was $49.99.

Here are some of the photos from the motor replacement:

This is the comparison between the step motor and the new motor.



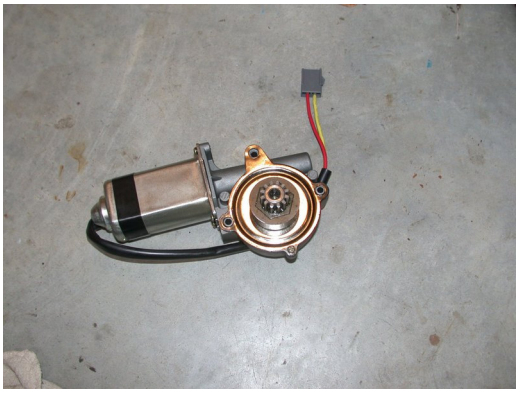
This shows the motor and linkage cover, the three bolts, that hold the motor and plate, the conversion gear, the conversion gear locator pin, and the linkage bushing.

This shows the gearbox with the linkage in place

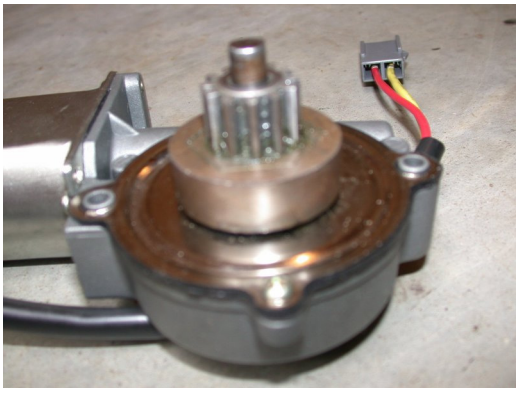
The linkage pulled from the gear box.

This shows the gear inside the gear box.

With the parts cleaned, I put the conversion gear on the new moter, this is a very tight fit and is machined to fit with no play. Care is needed when it is tapped back on the new motor gear so you don't misalign the pin and the gear.



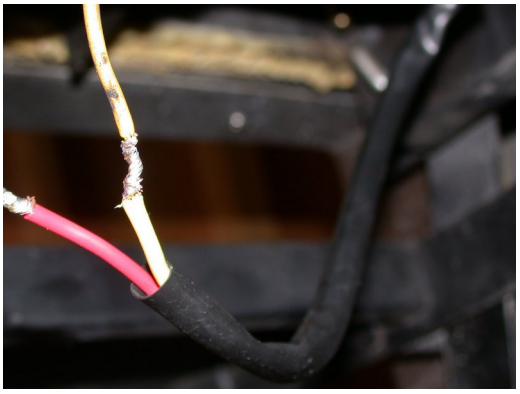
Next place the motor locating pin in the top of the conversion gear. This pin goes into the hole on the top of the gear box.



With the step linkage taken out of the gear box, I marked one side of the square in the linkage hole in the center, cleaned out the old grease, checked for any damaged teeth and put new grease in the box next I re-indexed the main gear turning it 180 degrees using the marked square in the center of the gear as a guide.

Next I put the linkage back into place and put the linkage bushing back into the cover plate.

Reinstalling the motor using care that the gearing and the pin is in place and the motor gear housing is seated against the gear box. The plate goes on next and the three bolts. With the motor tightened down the next thing I did was to attach the red wire and the yellow wire to their respective colors placing heat shrink tubing on the wires and then soldering the ends together.



All in all, the task took 1 hour. Care should be taken when the linkage is pulled because the steps will be free to move. Also you should compare the your motor with photos on NAPA, incase Kwikee Step used different motor and gear combinations.