

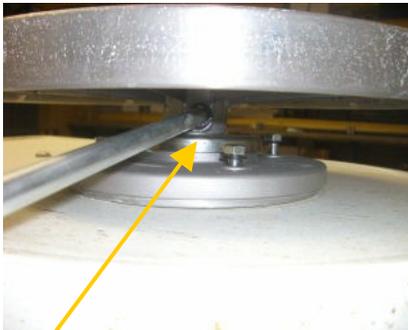
How to replace the motor

REQUIRED TOOLS

- 1.T - Wrench
- 2.wire cutter (to cut zip tie)
3. zip tie
- 4.Phillips screw driver
- 5.L - Wrench
- 6.Wrench (13).Or adjustable wrench



Always wheel must be power off



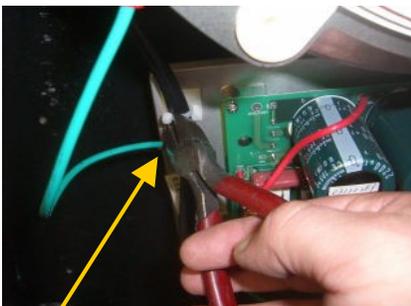
Use the T-wrench to loosen the screw to remove the wheel head



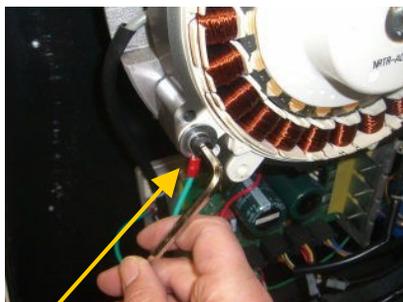
Remove the metal cover from the shaft that fits over the bearing plate



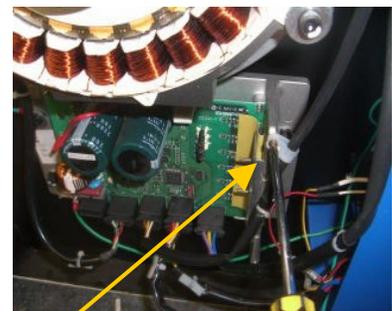
Place the wheel vertical and remove the undercover by removing all undercover screws then sliding the undercover off.



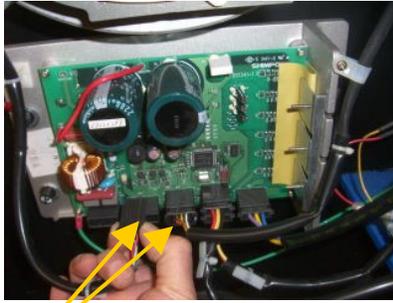
Cut the zip tie for the motor cable



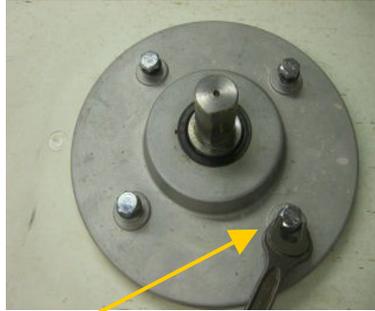
Remove the green ground wire found attached to the motor



Unscrew the cable holder and cut the the zip tie to release the cables for the motor



Un-clip the 2 connections from the control board for the motor by squeezing the sides of the clip and pulling.



Take off the 4 bolts from the bearing cover



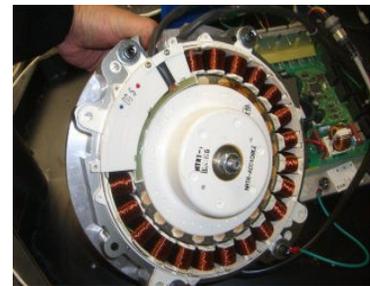
Remove the bearing cover and rubber ring



Take off the 3 bolts, leaving the uppermost bolt attached



Lean the wheel upside down and support it so that the shaft does not touch the ground. Take off the last bolt by supporting motor from the other side



Once the motor is completely detached, lift it out and replace it with the new motor.



Place the first bolt back in and tighten. Then lean the wheel to a vertical position again. Replace all parts in the same way they were taken off.



Make sure you re-install the rubber ring. This will insure no water will leak into the bearings.



The wheel head bolt must be tightened onto the flat part of the shaft. If it is not on properly, the shaft will spin but the wheel head will not have any torque.