

# Replacing Motor and Gearbox

To replace the Motor and Gearbox on your Mocad please follow the instructions attached and if you have any queries please do not hesitate to contact our service departments, contact details are in your Owners Manual

## Tools required to replace the Motor and Gearbox

Philips Head Screw Driver

5mm Allen Key

3mm Allen Key

## Step 1 Removing the Old Motor and Gearbox

- Remove both rear wheels
- Remove pin on the stainless steel shaft nearest to the motor and gearbox
- Remove the screw from the **bearing block** (*This is the black plastic fixture where the stainless steel shaft runs through*) nearest to the motor and gearbox.
- Remove **motor strap**. *This is the plastic strap which goes around the motor and gearbox and attaches to the rear of the battery tray. (may not apply to some older model trolleys)*
- With a Philips screwdriver remove the two top screws on the motor and gearbox and the bottom 5mm allen key nut which connect the gearbox to the chassis. Note: *Place screw driver in the screw and tap screwdriver while turning the screw to release. Do not remove screws fully until you are ready to fully remove the motor and gearbox.*
- Remove nut and bolt running through the shaft and Motor and Gearbox with 3mm allen key
- Slide shaft away from you.
- Disconnect the Motor from the Controller by cutting heat shrink and unplugging the connectors
- The motor and gear box is now free to be removed.

## Step 2 Fit new Motor and Gearbox

- Connect new motor and gearbox to controller.
- Pull heat shrink down over connections and heat with heat-gun or hairdryer. (This seals the connection)
- Place motor and gearbox back into position
- Replace the two top screws and bottom Allen key nut which connect the gearbox to the chassis. (Do Not Tighten until Motor and Gearbox is fully fitted)
- Slide shaft back into place
- Put the nut and bolt removed from the shaft and motor and gearbox into the smaller of the two holes in the new motor and gearbox.

- Tighten screws and Allen key nut on the motor & gearbox to chassis.
- Replace screw on bearing block.
- Replace pin on shaft
- Replace motor strap (if applicable)
- Replace rear wheels