

# INSTRUCTIONS FOR TURNING GEARBOX CHANGEOVER

## SUGGESTED TOOLS

- 10mm ring spanner
- Allen Key
- Screwdriver or power drill
- Flathead screwdriver (optional)
- Hammer



## PROCESS OVERVIEW



## PART A

1. Remove the rubber weather ring at the bottom of the pole, it will stretch up over the pole and winder handle.

2. Unfasten the two screws on top of the case

3. Remove the case up over the pole and winder handle.



## PART B

4. Disconnect the +ve and -ve wires from the turning box motor.

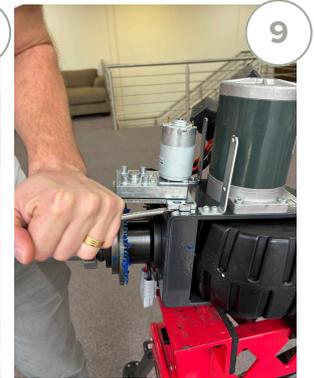
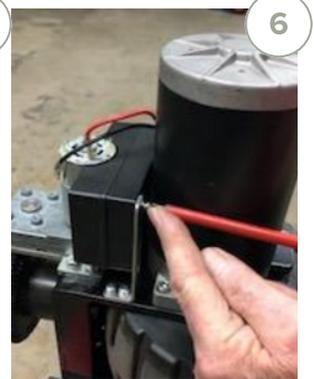
5. Cut the cable ties from the wiring loom Tip: Take a photo before cutting so you can replicate when re-tying cable ties later.

6. Undo the 4 small screws that hold the black receiver box onto the frame.

7. Slide the receiver box out of the way but don't disconnect the wiring.

8. Undo the 4x10mm bolts that hold the Turning Gearbox to the frame

9. Remove the Gearbox, which may require some levering (you can use a flathead screwdriver) to loosen the pins underneath.



## PART C

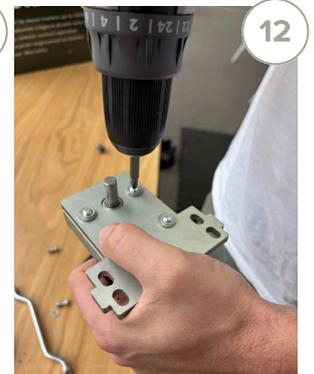
10. Use a small Allen key to undo the grub screw on the side of the Pinion Gear.

11. Remove the pinion gear from the existing gearbox and retain this to fit onto the new gearbox.

12. Remove the old gearbox from the backplate by unfastening the four screws. Fit your new gearbox to this plate (the backplate and guiding pins are fitted to your machine) and refasten the screws.

13. Now refit the Pinion Gear back onto the new gearbox - this may require a hammer. We also place a small metal object between pinion gear and hammer to protect the gear edges.

14. Re-tighten the grub screw via side of the Pinion Gear with the Allen Key.



## PART D

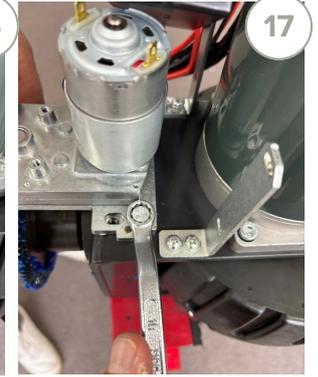
15. Refasten the mounting plate to the Optimover frame, starting with aligning to the pins.



16. You may need a hammer to secure the mounting plate into the pins.



17. Fasten the 4x10mm bolts.



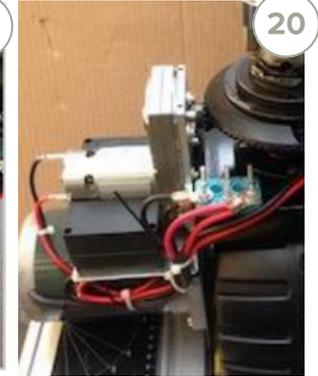
18. Slide the black receiver box back to position and secure this with small screws on the underside of the frame.



19. Reconnect the left and right wires to the gearbox motor. Note: if inserted on the opposite side the left and right buttons on remote will be reversed.



20. Using the cable ties provided, tie all the wires together so that they sit flush against the machine.  
Tip: refer to photo taken at step #5.  
Then cut the excess cable tie.



## PART E

21. Slide the outer cover back over the handle and pole.



22. Fasten the top two screws on the outer case.



23. Re-attach the rubber weather seal to the bottom on the pole.

