

# INSTRUCTION SHEET

## Yamaha Motor Replacement

**(Please read and understand instructions before beginning installation)**

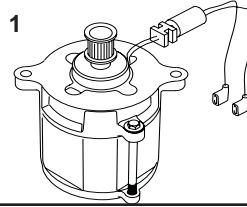
**Tools Required:**

- 17mm socket wrench
- 3mm hex key
- 4mm hex key

**Parts Required:**

- Yamaha Motor (Fig 1)  
(Sunrise Part Number 499372)

**Fig. 1**



Please refer to the Yamaha Plate Assembly (Sunrise Part Number 133107) instructions for removal of the Plate Assembly.

Remove the battery before performing any maintenance on the Xtender .

**Removal**

- 1) Using a 17mm socket remove the nut securing the axle to the Xtender unit.(Fig 2)
- 2) Once the nut is removed the wheel assembly and motor assembly can be separated by pulling them apart. (Fig. 3)
- 3) Set the wheel assembly aside and lay the motor assembly on a flat surface

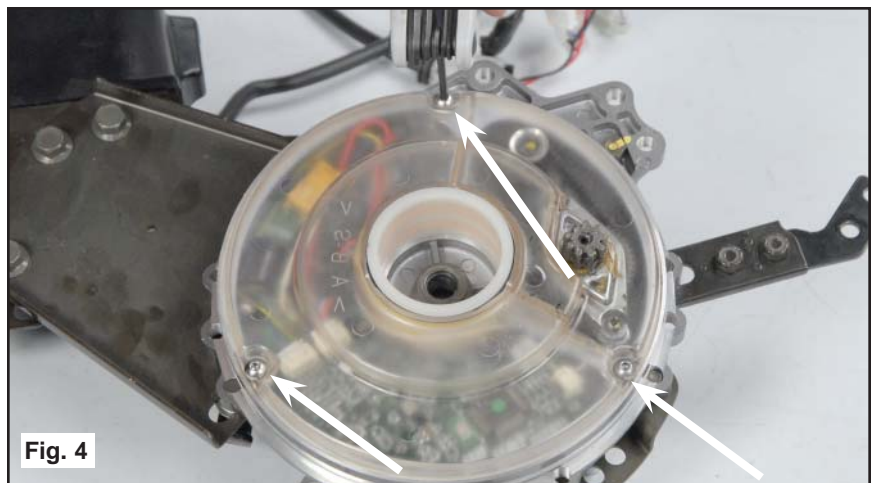


**Fig. 2**



**Fig. 3**

- 4) Use a 3mm Hex key to remove the three screws that secure the plastic cover. (Fig. 4)



**Fig. 4**

5) Unplug the Motor by dis-connecting the 2 plugs from the circuit board (Fig 5).

Note: Upon re-assembling the Xtender Unit the White wire should be plugged into the outermost prong and the red wire the inner most prong.

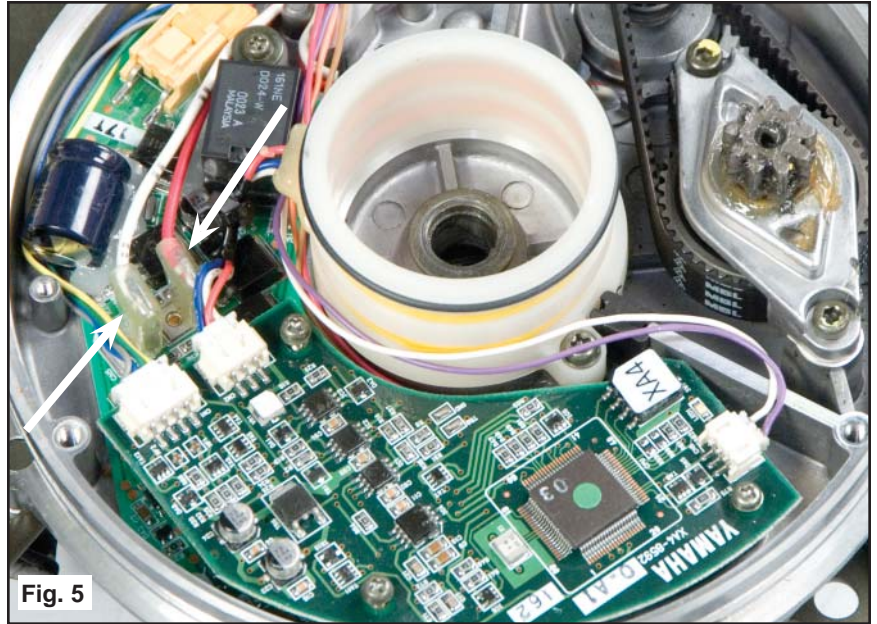


Fig. 5

6) Flip the Motor assembly over and remove the plastic motor cover by pulling on it (Fig 6).



Fig. 6

7) Use a 4mm Hex key to remove the two screws that secure the motor to the Xtender (Fig 7).

Note: Upon re-assembling the unit you must make sure to reattach the belt located on the opposite side. You must apply tension to the belt when re-assembling the unit. This is achieved by slightly tightening the inner screw (the one closes to the center of the unit) then rotating the motor assembly to apply tension to the belt, and then tighten both screws. This will ensure the belt will drive the unit and not slip.

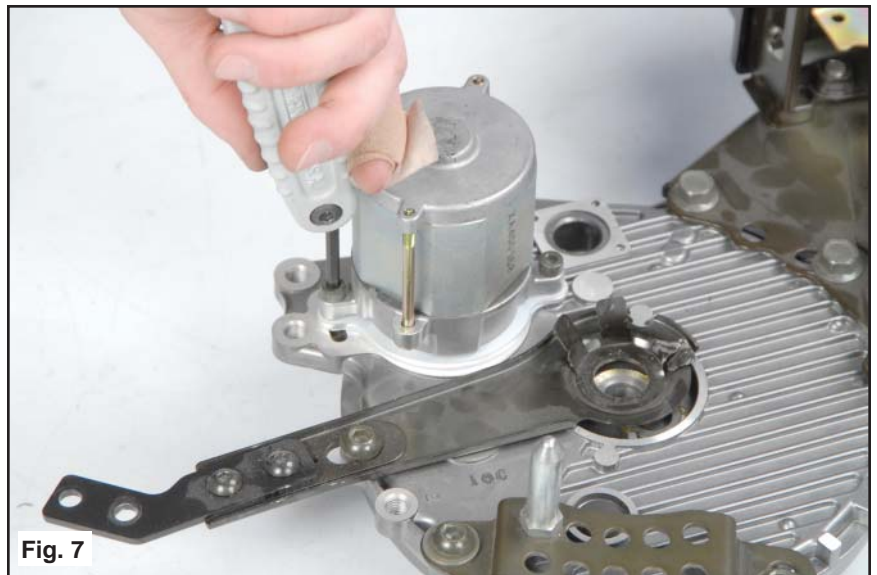


Fig. 7

8) Reverse the above procedure to install the new Yamaha Motor.