

# INSTRUCTION SHEET

## Yamaha Receptical Port Replacement

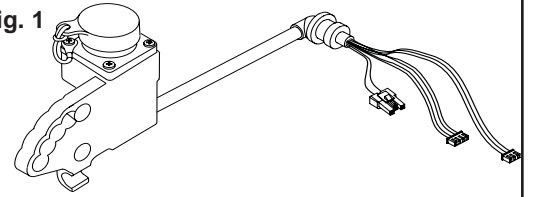
(Please read and understand instructions before beginning installation)

**Tools Required:**

- 17mm socket wrench
- 12mm socket wrench
- 2.5mm hex key
- 3mm hex key
- 4mm hex key

**Parts Required:**

- Yamaha Receptacle Port and Harness (Fig 1)  
(Sunrise Part Number 133104)

**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
- 4) Using a 2.5mm Hex key remove the retaining strap that secures the harness to the Xtender unit (Fig 4).

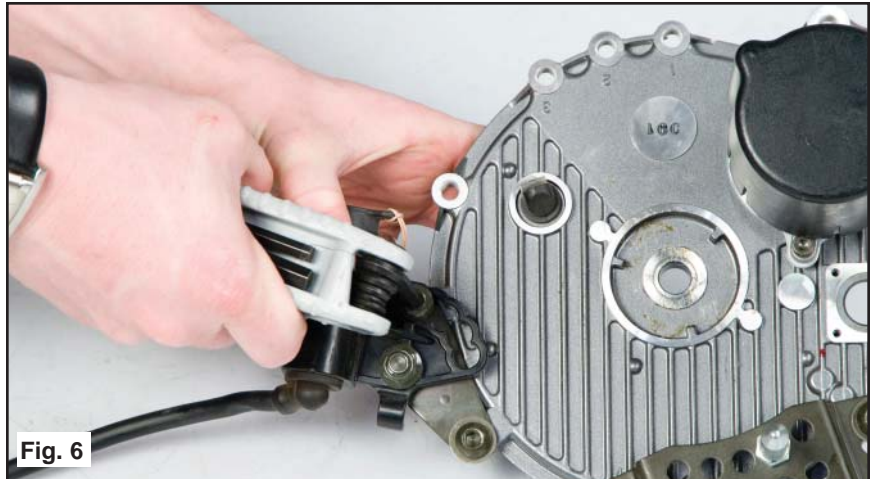
**Fig. 2****Fig. 3****Fig. 4**

- 5) Use a 12mm Socket and ratchet to remove the pivot bolt that secures the Receptacle Port to the Xtender unit (Fig 5). Flip the Motor assembly over and remove the plastic motor cover by pulling on it

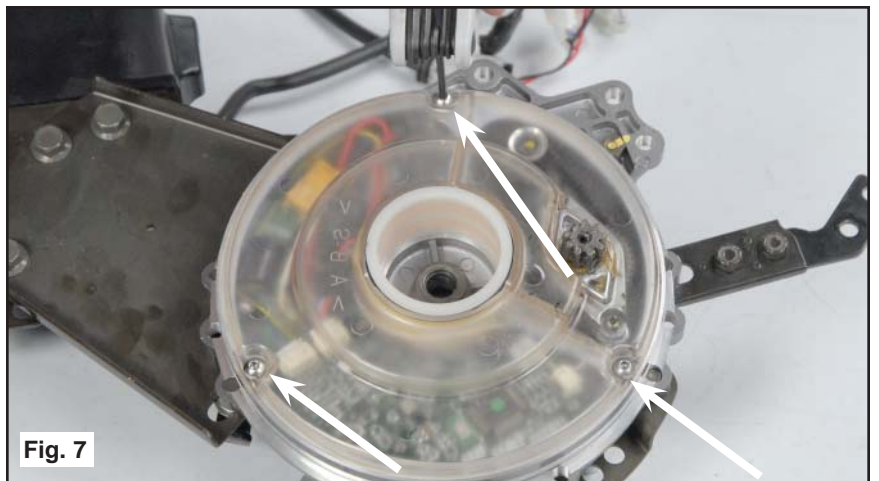


- 6) Use a 4mm Hex Key to remove the adjustment bolt that secures the Receptacle Port to the Xtender unit (Fig 6).

Note: Prior to removal, notate the orientation of the port and reassemble accordingly.



- 7) Flip the unit over and use a 3mm Hex key to remove the three screws that secure the plastic cover (fig 7).



8) Unplug the 2 connectors (A) that you can access (Fig 8).

9) Using a #2 Phillips screw driver remove the 3 screws (B) that secure the upper circuit board. Once the screws are removed gently pull up on the upper board to remove it. (Fig 8)

Note: Upon re-assembly make sure to line up the board correctly as the upper circuit board plugs into the lower circuit board.

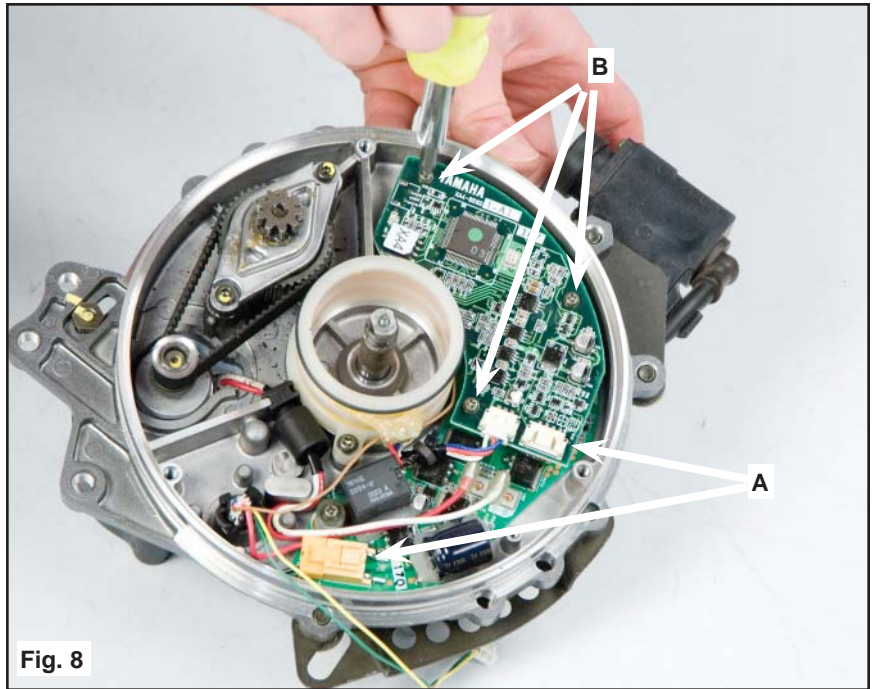


Fig. 8

9) Finally disconnect the last connector and remove the Receptacle Harness. (Fig 9)

10) Reverse the above procedure to install the new Receptacle Port and Harness.

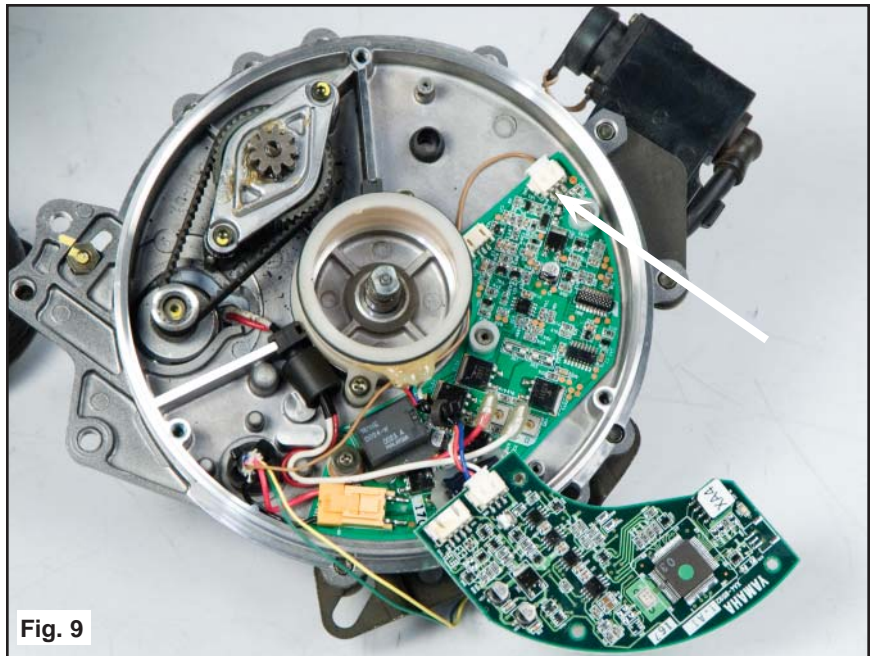


Fig. 9