

INSTRUCTION SHEET

Yamaha Coupler Control Harness Replacement

(Please read and understand instructions before beginning installation)

Tools Required:

- 17mm socket wrench
- #2 Phillips Screw Driver
- 2.5mm hex key

Parts Required:

- Yamaha Coupler Control Harness (Fig1)
- (Sunrise Part Number 133103)

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 Procedure:

- 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

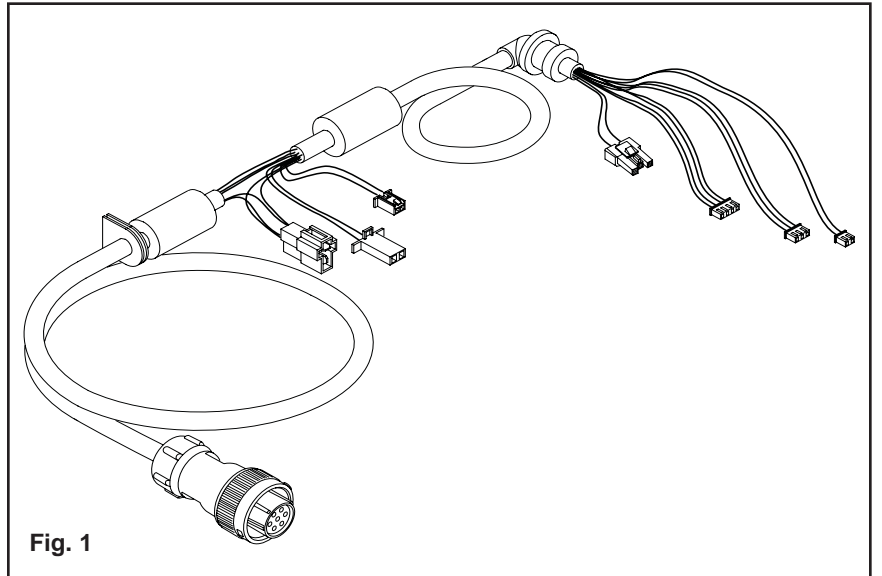


Fig. 1



Fig. 2

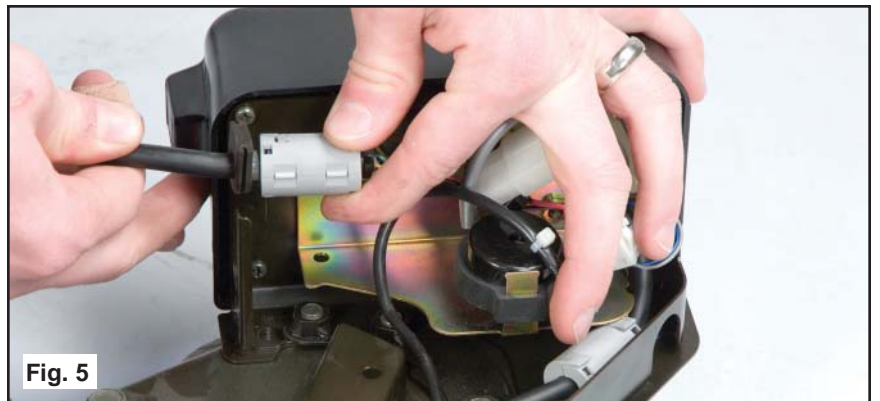


Fig. 3

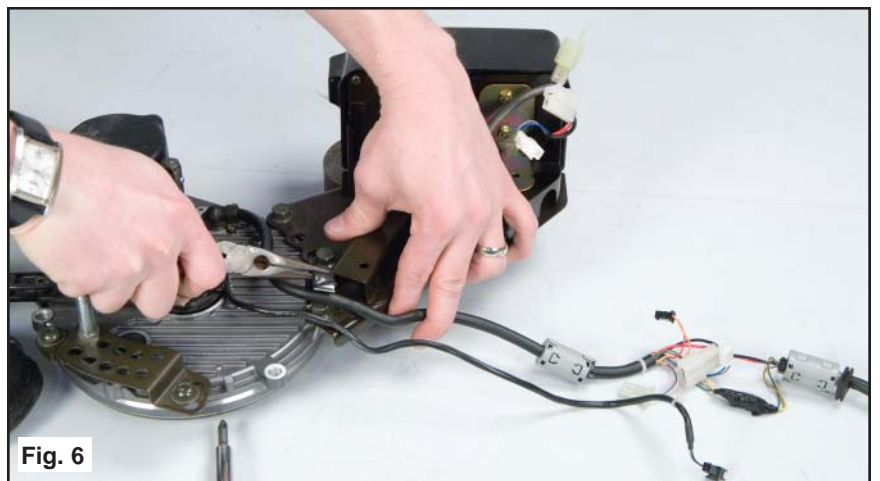
4) Using a #2 Phillips screw driver remove the battery cover shroud.



5) Two wires go behind the battery cover shroud, when removing the Couple Control Harness, unplug the three connectors that attach the Coupler Control Harness to the Battery Harness.
6) Pull the rubber grommet out of the holder to remove the top part of the harness.



7) Cut any plastic wire ties that may be securing the harness and using a pair of needle nose pliers



8) Using a 2.5mm Hex key remove the retaining strap that secures the harness to the Xtender unit.



Fig. 7

9) Flip the Motor assembly over and use the 3mm Hex key to remove the three screws that secure the plastic cover.

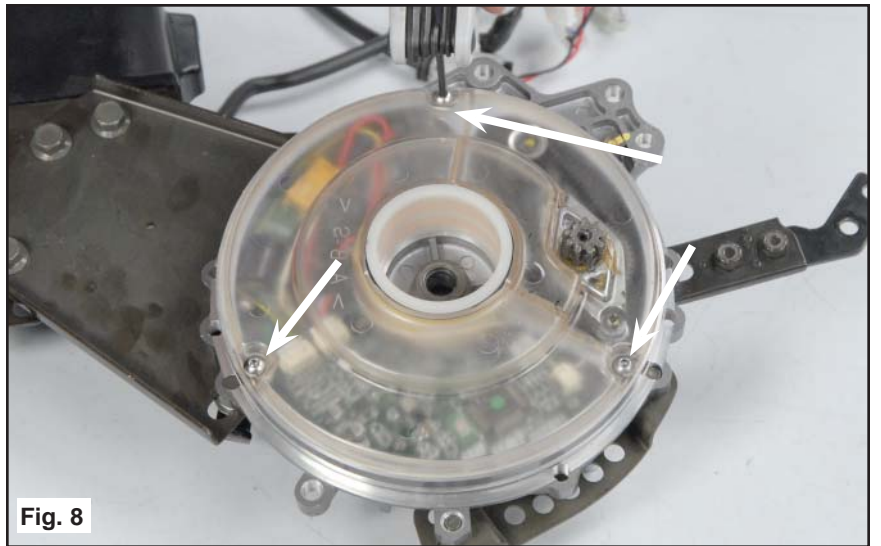


Fig. 8

10) Unplug the 3 connectors that you can access.

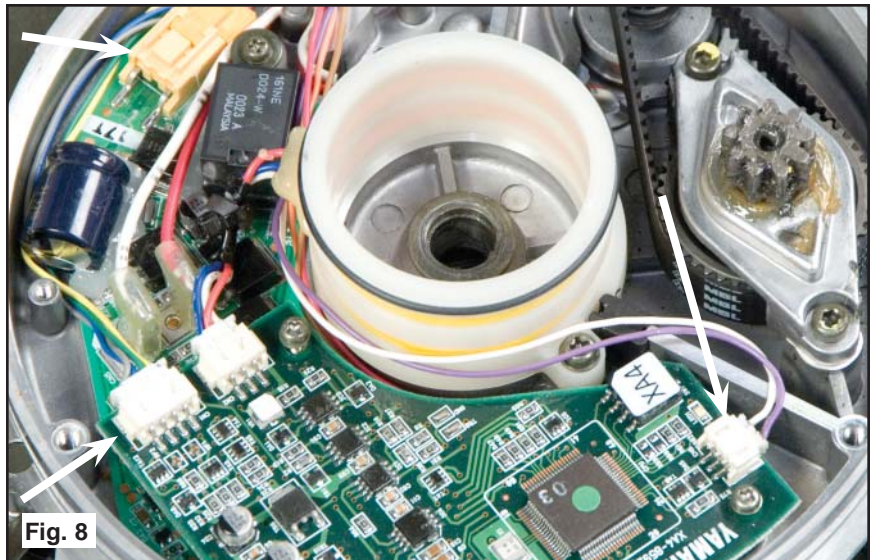


Fig. 8

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

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



Fig. 9

12) Finally disconnect the last connector and remove the Coupler Harness.

11) Reverse the above procedure to install the new Yamaha Coupler Control Harness.

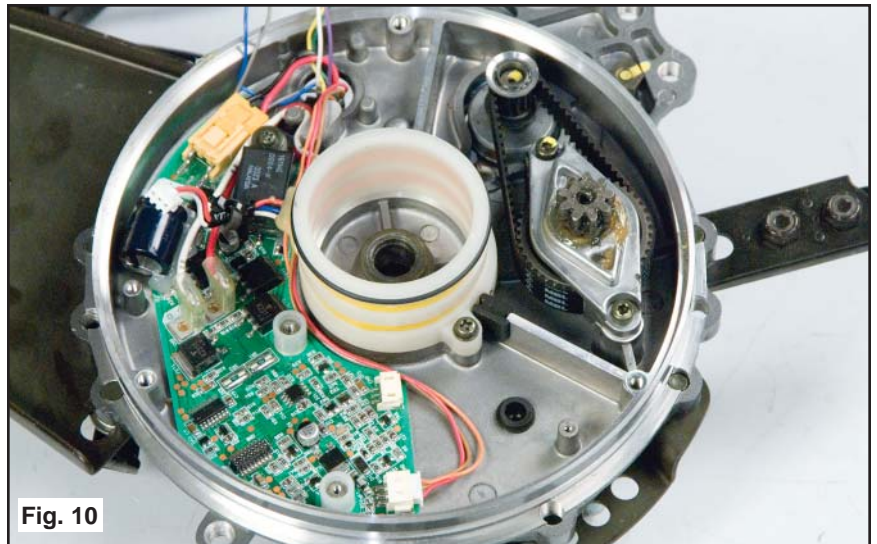


Fig. 10