

# INSTRUCTION SHEET

## Yamaha Sensor Replacement

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

**Tools Required:**

- 17mm socket wrench
- 3mm hex key
- Flat Head Screwdriver

**Parts Required:**

- Yamaha Sensor Assembly (Fig 1)  
(Sunrise Part Number 133105)

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)

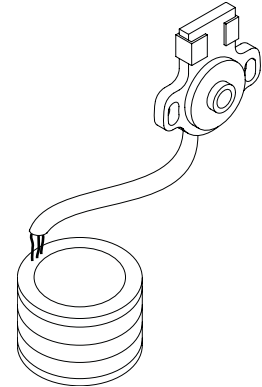


- 2) Once the nut is removed the wheel assembly and motor assembly can be separated by pulling them apart. (Fig. 3)

- 3) Set the motor assembly aside and lay wheel assembly the on a flat surface.



**Fig. 1**



- 4) Using a 3mm Hex key remove the two socket head bolts securing the sensor. (Fig 5)



- 5) Gently feed the sensor through the opening in the wheel assembly. (Fig 6)



- 6) Using a flat head screw driver remove the c-clip securing the Rotary Trans Assembly to the wheel assembly. The c-clip can be removed by locating the flat spot in the wheel assembly and inserting the flat blade of the screw driver into the space between the flat spot and the c-clip and gently prying it out. (Fig 7) Once the c-clip is removed slide the Rotary Trans Assembly off the wheel assembly shaft.



- 7) Reverse the above procedure to install the new Sensor Assembly.