

MCMILLAN SPEED SENSOR REMOVAL / REPLACEMENT INSTRUCTIONS

INTRODUCTION

This document should be used for replacing speed sensor's on McMillan drive motors

TOOLS REQUIRED

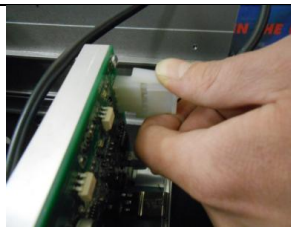
- 1/4" & 7/16" standard sockets
- 3/8" ratchet w/ 2" extension
- Small flat head screw driver

ACTIVITY/PROCESS

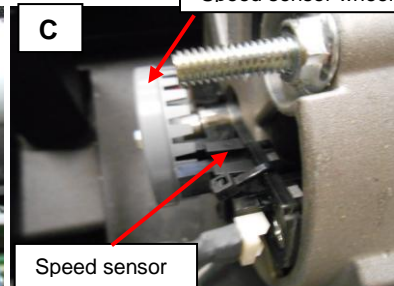
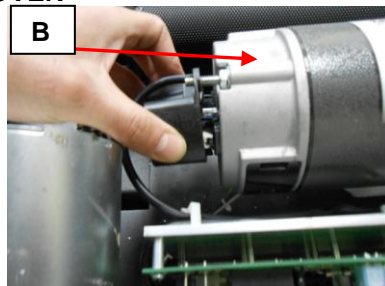
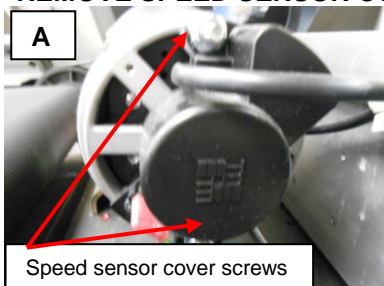
1. Unplug treadmill from wall outlet.

2: UNPLUG SPEED SENSOR

Depress the clip on the speed sensor connector and pull it away from the lower board.

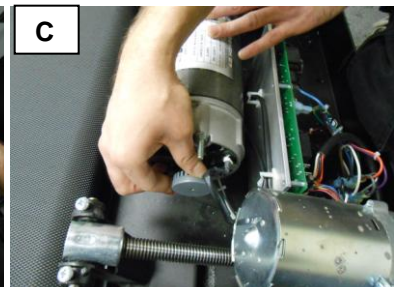
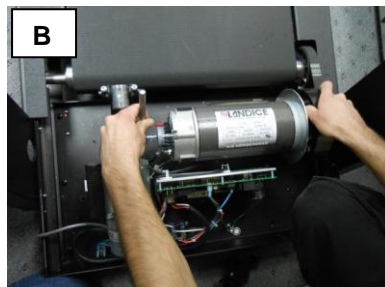
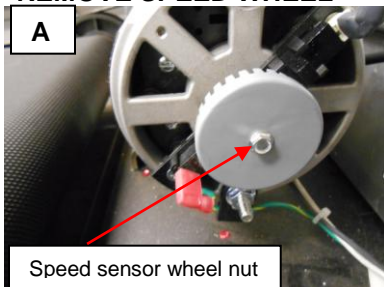


3: REMOVE SPEED SENSOR COVER



- Remove the two nuts holding the sensor cover using your 7/16" socket, 2" extension and 3/8" ratchet. (**FIGURE A**)
- Slide the speed sensor cover off the end of the drive motor. (**FIGURE B**)
- Once the cover is removed then you will see all the speed sensor components. (**FIGURE C**)

4: REMOVE SPEED WHEEL



- Locate the speed sensor wheel nut (FIGURE A).
- Hold the flywheel with one hand and remove the speed sensor nut using a 1/4" socket and 3/8" ratchet. (FIGURE B)
- Slide the speed sensor wheel off the shaft of the drive motor. (FIGURE C)

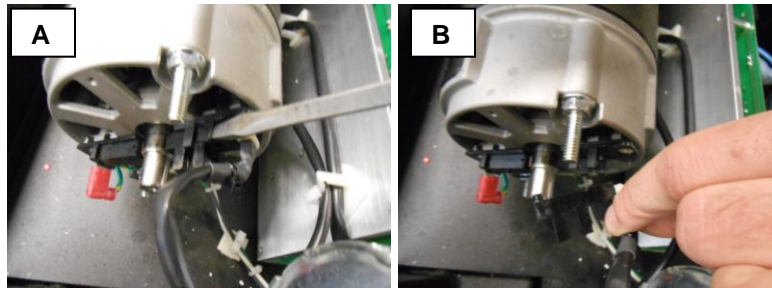
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SERVICE TIP



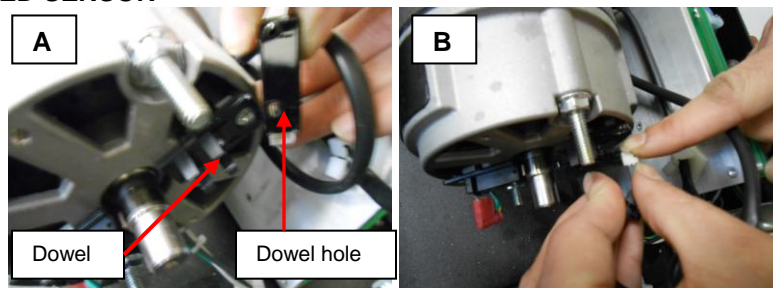
Take the speed sensor cover nuts, speed sensor wheel nut and speed sensor wheel and place them inside the speed sensor cover so not to lose the hardware.

5: REMOVE SPEED SENSOR.



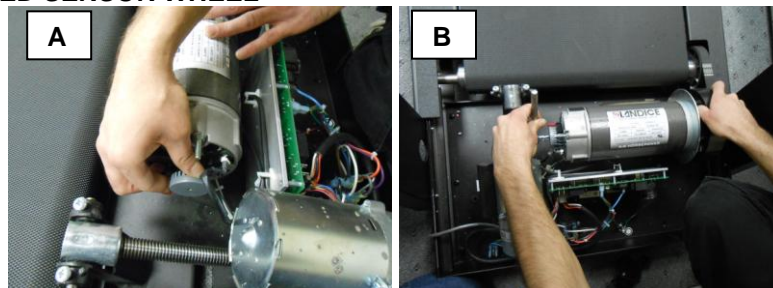
- a) Insert your small, flat head screwdriver in between the sensor and holding clips. (FIGURE A)
- b) Pull the sensor out of the holding clip. (FIGURE B)

6: INSTALL SPEED SENSOR

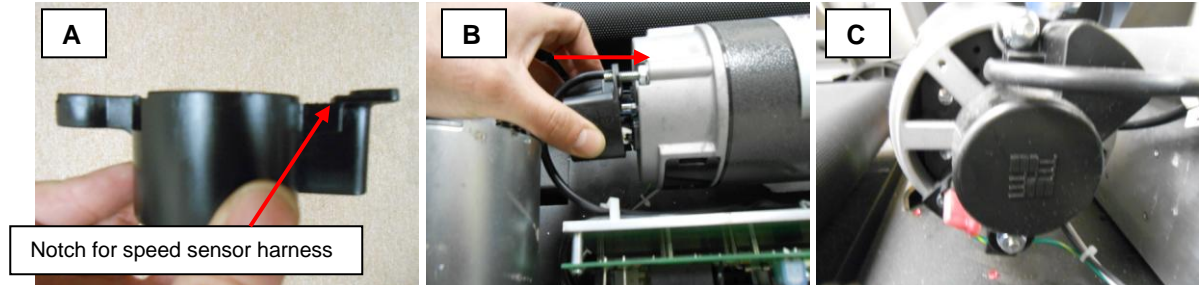


- a) Line up the dowel hole on the new speed sensor to the dowel on the speed sensor holding clip. (FIGURE A).
- b) Insert the sensor into the holding clip and snap it into place. (FIGURE B)

7: INSTALL SPEED SENSOR WHEEL



- a) Slide the speed sensor wheel onto the drive motor shaft. (FIGURE A)
- b) Insert the speed sensor wheel nut and tighten it down using your 1/4" socket and 3/8" ratchet.. (FIGURE B) **NOTE: YOU WILL HAVE TO HOLD THE FLYWHEEL IN PLACE WHEN TIGHTENING DOWN THE NUT FOR THE SPEED SENSOR WHEEL.**

MCMILLAN SPEED SENSOR REMOVAL / REPLACEMENT INSTRUCTIONS**8: INSTALL SPEED SENSOR COVER**

Notch for speed sensor harness

- a) Locate the notch on the speed sensor cover. (FIGURE A)
- b) Line up the speed sensor harness with the notch on the cover and slide the cover back on. (FIGURE B)
- c) Install and tighten the speed sensor cover nuts using your 7/16" socket, 3/8" ratchet and 2" extension. (FIGURE C)

9: CONNECT SPEED SENSOR HARNESS

Connect the speed sensor back into the lower.

**PLEASE CONTACT LANDICE SERVICE DEPARTMENT @ 1-800-526-3423
WITH QUESTIONS**