Alternator Shaft Replacement

SM3

This document explains the process of the alternator shaft on the StairMaster SM3.

**Tools Required:**

- Phillips Screw Driver
- 8mm Hex Key
- 5mm Hex Key
- Shaft Assembly (PN: 723-0274-KT)

1. Remove all shrouds. The inside mechanism will be exposed (Fig. 1)

![Fig. 1](image-url)
2. Once the mechanical parts are exposed, loosen the bracket (user left side) that holds the belt to the pulley using an 8mm hex key (Fig. 2).

![Fig. 2](image1.png)

3. On the user right side, walk the belt off the wheel and loosen the screw holding the wheel to the shaft by using 8mm hex key. (Fig. 3)

![Fig. 3](image2.png)
4. Going back to the user left side, loosen the pulley that is attached to the shaft using 8mm hex key. (Fig. 4)

   ![Pulley attached to shaft](image)

   **Fig. 4**

   **Note:** *If the pulley is removed before the wheel on the user right side, it will be difficult to loosen shaft screws.*

5. Using a 8mm hex key, loosen the set screw located beneath the shaft on user left hand side (Fig. 4).

   ![Set screw location](image)

   **Fig. 5**
6. Using a 5mm hex key, remove the set screw located on the wheel (user right side). (Fig. 5)

7. Using a Philips screwdriver; remove 4 screws on the right side and left side holding the shaft to the frame (Fig. 6). The shaft should come loose and able to be removed.
8. After removing the shaft from the unit, insert the new shaft PN: 723-0274-KT with the side that has the D shape facing out on user right side. (Fig. 7)

![Fig. 7](image1)

9. Make sure the user left side shaft **IS NOT** D shape. Using a Philips screw driver and tighten the crews to the frame on right and left side of the unit (Fig. 8)

![Fig. 8](image2)
10. Tighten the set screw on the wheel (user right side) using the 5mm hex key. (Fig. 9)
11. Put pulleys back on the shaft (Fig. 10)