Alternator Shaft Replacement

SM3

This document explains the process of the alternator shaft on the SairMaster 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)

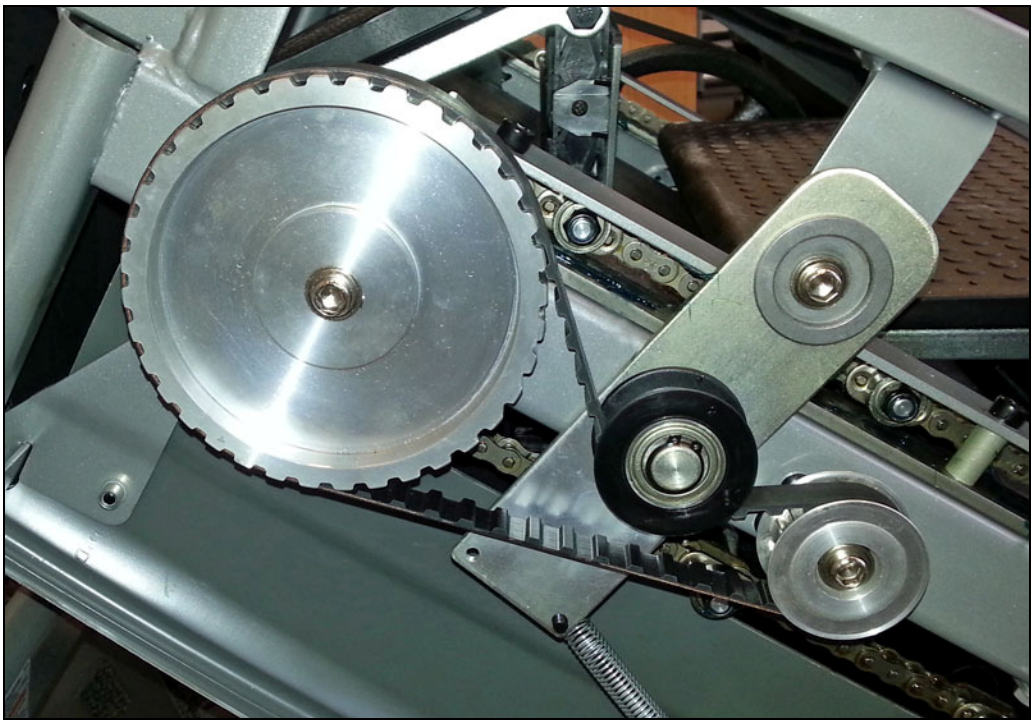

Fig. 1

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)

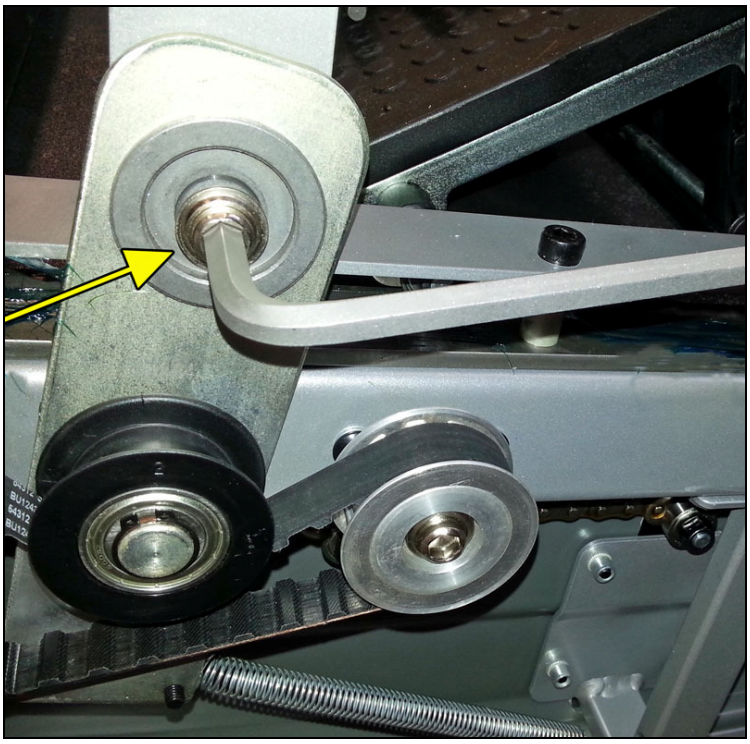

Fig. 2

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)

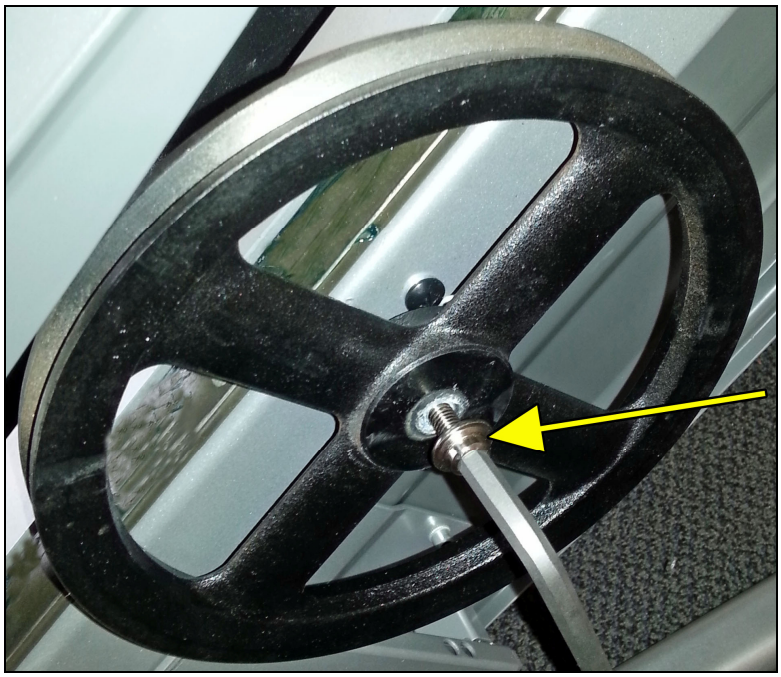

Fig. 3

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

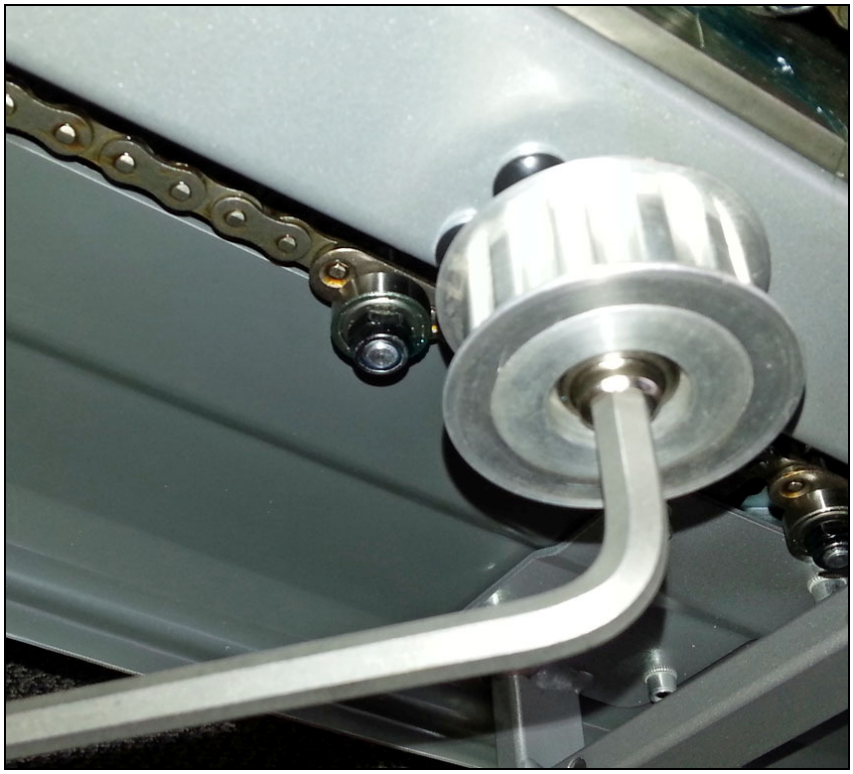

Fig. 4

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).

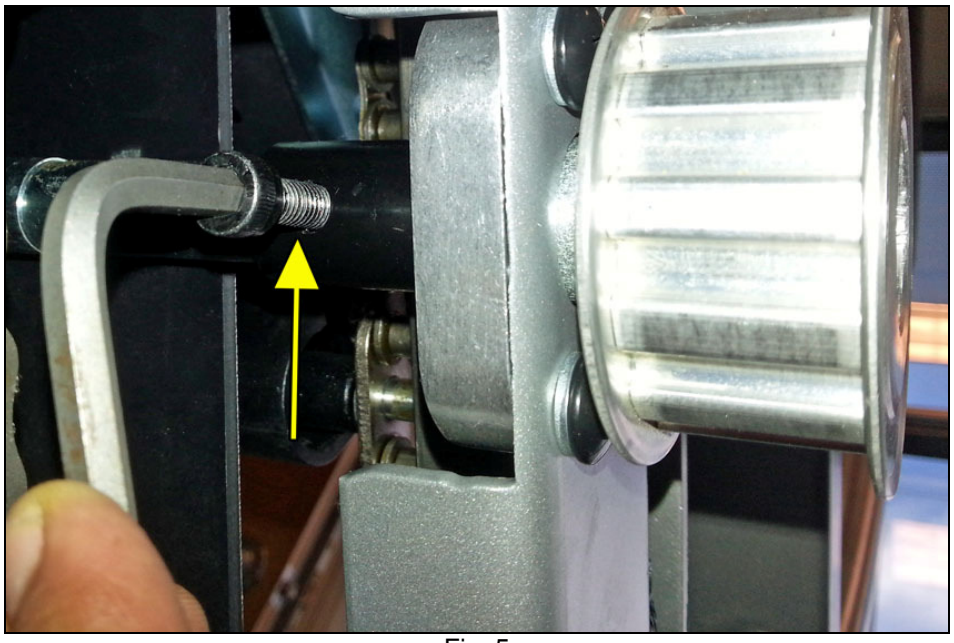

Fig. 5

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

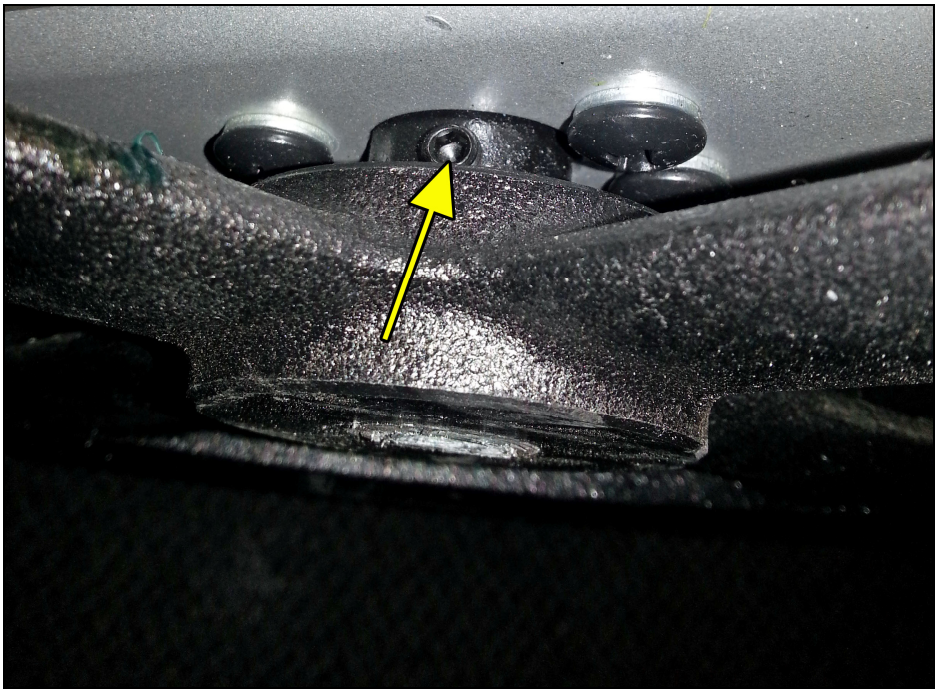

Fig. 5

7. Using a Philips screw driver; 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.

Fig. 6

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)

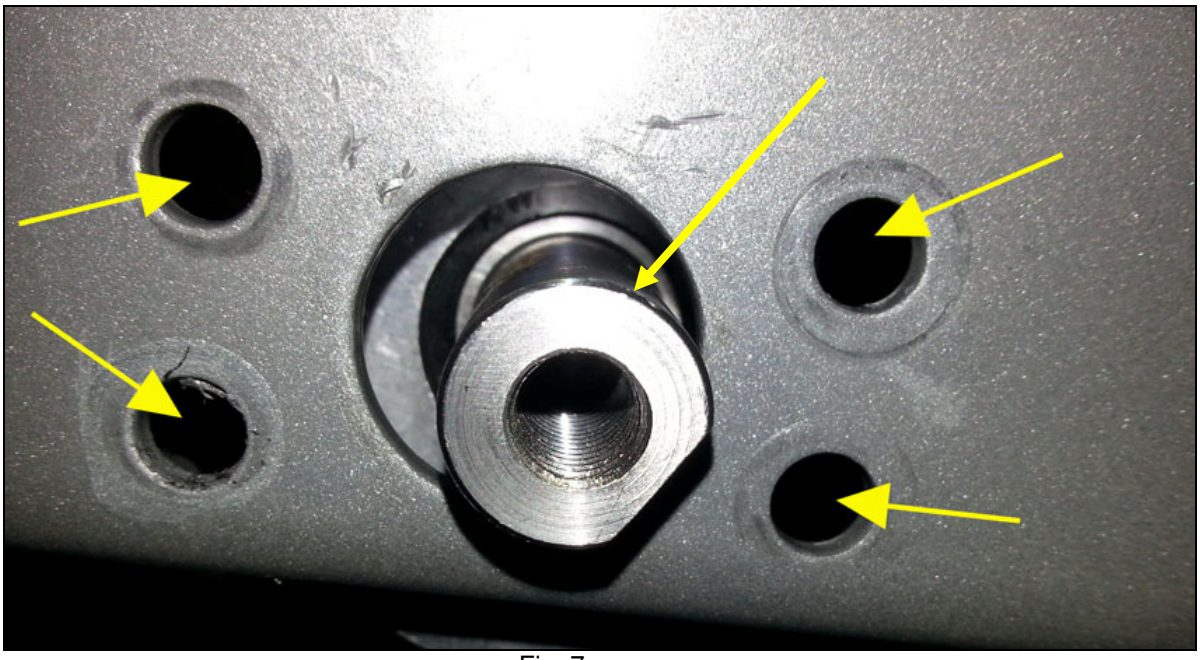

Fig. 7

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

10. Tighten the set screw on the wheel (user right side) using the 5mm hex key. (Fig. 9)

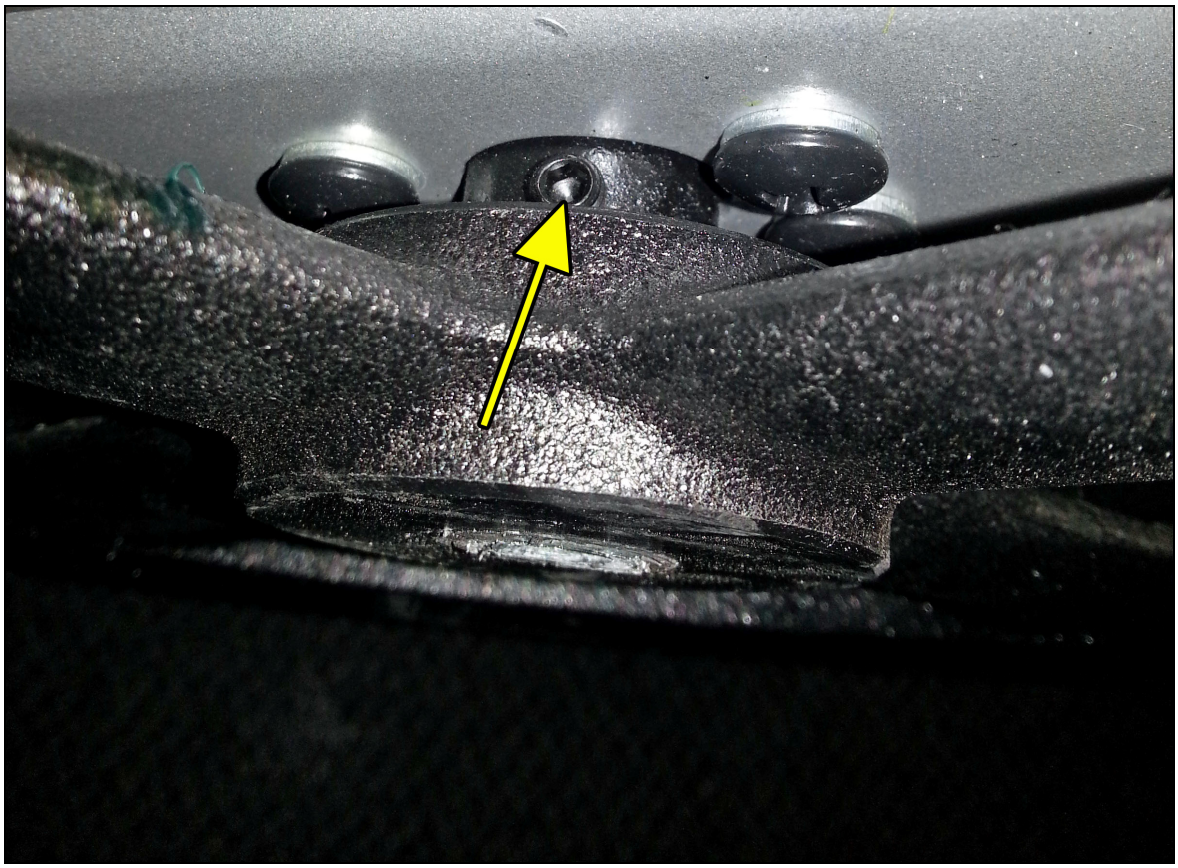

Fig. 9

11. Put pulleys back on the shaft (Fig. 10)

Fig. 10