

10.0 - REPLACEMENT OF BELTS

Tools Needed:

- Phillips Screwdriver
- Flathead Screwdriver
- Allen Wrench
- 1/2 inch Wrench
- (2) 9/16 inch Wrench



WARNING

AS LONG AS THE TREADCLIMBER® FITNESS MACHINE IS PLUGGED INTO A POWERED OUTLET AND THE POWER SWITCH IS ON, THE UNIT IS RECEIVING POWER, EVEN IF THE DISPLAY IS TURNED OFF. ALWAYS UNPLUG THE POWER CORD FROM THE OUTLET AND WAIT 5-MINUTES BEFORE PERFORMING REPAIRS OR MAINTENANCE.

NOTE: If using a powered driver, it must be on the "LOW TORQUE" setting, otherwise it will strip screws.

10-1 Unplug machine from wall outlet.

10-2 Wait 5-minutes after unplugging machine to ensure there is no residual power.

10-3 Remove rear step plastic cover (8 screws), right and left rear base plastic covers (3 screws each), and rear base plastic cover (5 screws). See Figures 1 & 2.

10-4 Remove rear step cover (4 screws). See Figure 3.

10-5 Remove black hardware plugs in treadle plastic covers with a Flathead screwdriver. Remove left and right cast covers (2 screws each). See Figures 4 & 5.

NOTE: Before removing cast covers, you may need to loosen the first screw on the upper treadle plastic cover to get the cast cover off.

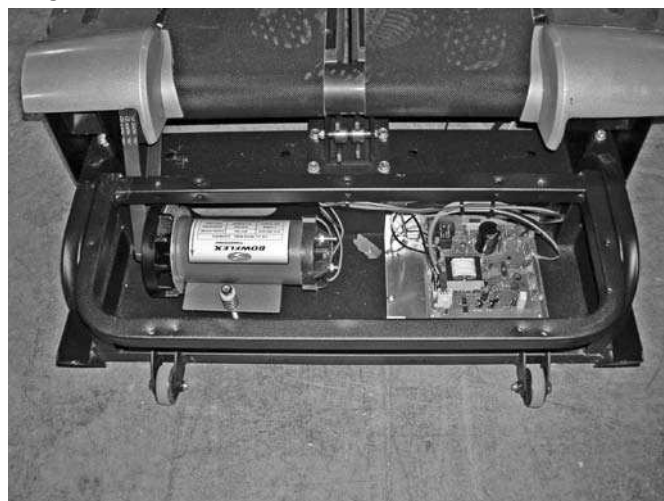
Figure 1:



Figure 2:



Figure 3:



MECHANICAL SERVICE GUIDE

- 10-6 Ease poly-v belt off of the rear roller pulley. Tensioning screw may need to be loosened (see Section 9.0 Replacing Motor Belt). See Figure 6.
- 10-7 Remove the 4 front roller adjustment screws using a 3/16 Allen Key (see Figure 7). Remove the 2 front rollers by loosening the 2 inside front roller brackets using a 3/16 Allen Wrench and 1/2 inch wrench (see Figures 8, 9, 10).
- 10-8 Remove the rear roller with a 1/2 inch wrench (1 screw). Rear roller should slide out from belts after release from mounting location (see Figure 11 & 12).
- 10-9 Remove lower hydraulic cylinder from the treadle frame with Allen key (1 screw each side).
- 10-10 Standing on the left side of the machine detach the treadle/teeter cross tube by removing 2 bolts with two 9/16 inch wrenches (see Figure 13).
- 10-11 Rotate left treadle back (pivoting about treadle pivot bracket) until it rests on the rear step frame.
- NOTE: Lay a rag down on the rear step frame to protect treadle plastic from damage (see Figure 14, 15 & 16).
- 10-12 The old belt can be removed by pulling it over the front roller bracket and cam follower bracket on the inside of the treadle. Replace with new belt (see Figure 17).
- 10-13 Repeat Steps 10-9 to 10-11 on the right treadle.
- 10-14 Run rear roller through belts (remembering to run through poly-v belt as well) and re-mount the rear roller. Attach with screw (see Figure 11).
- 10-15 Replace front rollers and front roller adjustment screws (see Figures 7, 8 & 9).
- 10-16 Rotate treadles back one at a time (making sure cam follower bracket seats on cam followers) and re-attach teeter/treadle cross tubes.

Figure 4:



Figure 5:



Figure 6:



10-17 Re-attach hydraulic cylinders to treadle frame.

10-18 Tension belts with Allen key (see Appendix 2).

10-19 Replace and tension motor belt (see Section 9.0 Replacing Motor Belt).

10-20 Replace cast covers and hardware plugs.

10-21 Replace rear step.

10-22 Replace 4 rear plastic covers.

10-23 Recalibrate machine according to Appendix 3.

Figure 7:



Figure 8:



Figure 9:



Figure 10:



Figure 11:



MECHANICAL SERVICE GUIDE

Figure 12:



Figure 13:

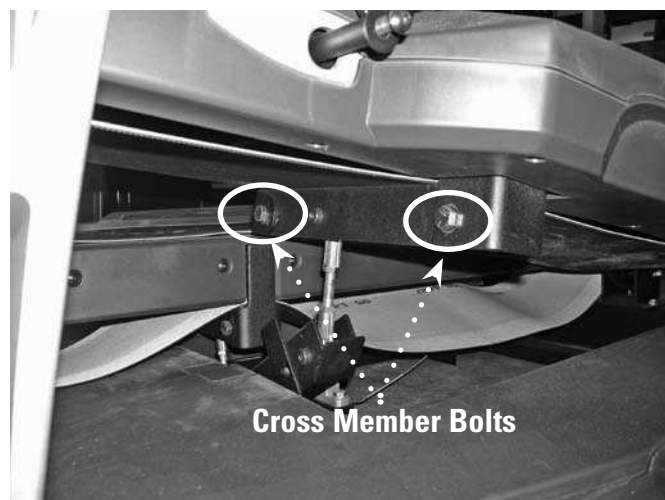


Figure 14:



Figure 15: Damage caused to treadle by rear step if not covered.



Figure 16:



Figure 17:



11.0 - REPLACEMENT OF VIRTUAL PIVOT ASSEMBLY

Tools Needed:

- Phillips and Flathead Screwdriver
- 1/2 inch Wrench
- 3/16 Allen Wrench
- (2) 9/16 inch Wrench

NOTE: If using a powered driver, it must be on the "LOW TORQUE" setting, otherwise it will strip screws.



WARNING

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- 11-1 Unplug machine from wall outlet.
 - 11-2 Wait 5-minutes after unplugging machine to ensure there is no residual power.
 - 11-3 Remove rear step plastic (8 screws), right and left rear base plastic (3 screws each), and rear base plastic (5 screws). See Figures 1 & 2.
 - 11-4 Remove rear step (4 screws). See Figure 3.
 - 11-5 Remove black hardware plugs in treadle plastic covers with a Flathead screwdriver. Remove left and right cast covers (2 screws each). See Figures 4 & 5.
- NOTE:** Before removing cast covers, you may need to loosen the first screw on the upper treadle plastic cover to get the cast cover off.
- 11-6 Loosen belts by loosening the front roller adjustment screws with provided Allen key (4 screws).
 - 11-7 Remove lower hydraulic cylinders from the treadle frame with 3/16 Allen key (1 screw each side). See Figure 6.

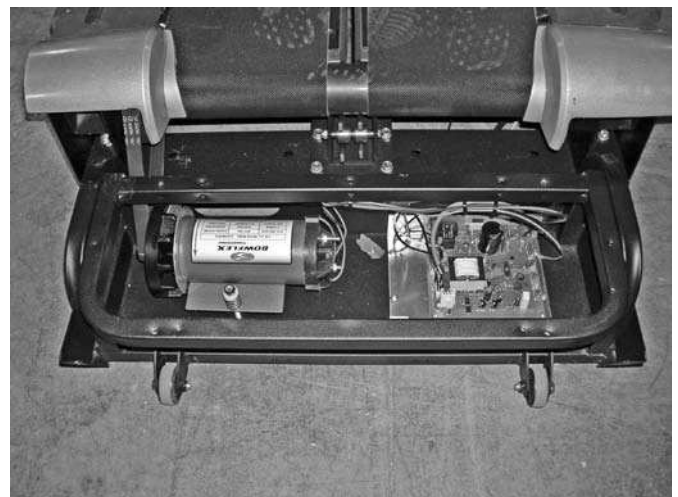
Figure 1:



Figure 2:



Figure 3:



- 11-8 Standing on the left side of the machine detach the treadle/teeter cross tube by removing 2 bolts with two 9/16 inch wrenches (see Figure 7).
- 11-9 Place a rag on the rear step frame to protect treadle plastic from damage. Rotate left treadle back (pivoting about treadle pivot bracket) until it rests on the rear step frame (see Figure 8 & 9).
- 11-10 Repeat Steps 11-7 to 11-9 for the right treadle.
- 11-11 Remove 4 screws with a 1/2 inch wrench from the virtual pivot bracket. Replace old cam follower bracket assembly with new assembly. Finger tighten the 4 screws so that bracket can still be easily slid back and forth in slotted holes (see Figure 10).
- 11-12 Rotate left treadle back, seating it on the new cam followers and replace treadle teeter cross-member with 2 bolts. Repeat on right treadle.
- 11-13 Place 0.75 inch spacer between treadles at the inner front roller brackets to space apart treadles (see Figure 11).
- 11-14 Tension belts with 4 tensioning screws at the front rollers with an Allen key.
- 11-15 Push the cam follower bracket as far forward as possible with thumbs. Tighten 4 screws with a 9/16 inch wrench on the virtual pivot bracket. It is very important to tighten the 2 rear screws first before tightening the front 2 screws (see Figure 12).
- 11-16 Remove spacer making sure treadles do not touch each other. Force them together to make sure they are secure.
- 11-17 Re-attach hydraulic cylinders to treadle frame.
- 11-18 Replace cast covers and hardware plugs.
- 11-19 Replace rear step.
- 11-20 Replace 4 rear plastic parts.
- 11-21 Recalibrate machine according to Appendix 3.

Figure 4:



Figure 5:



Figure 6:



Figure 7:

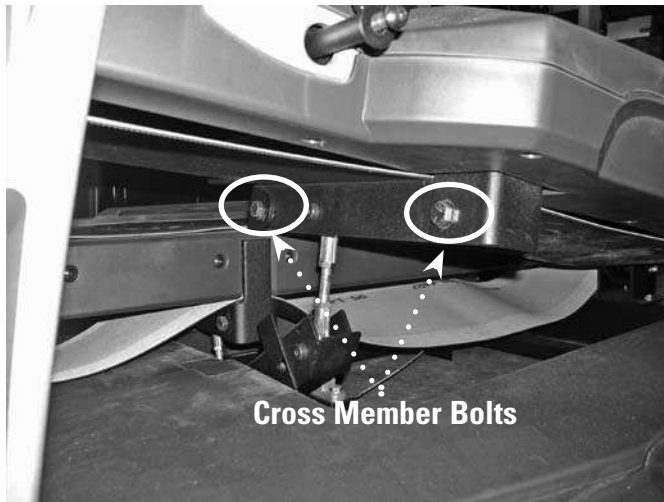


Figure 8:



Figure 9:



Figure 10:



Figure 11:



Figure 12:

