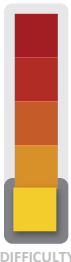




Installation Instructions

PART NUMBER	164-8620	
PART DESCRIPTION	KIT – VARIABLE BUFF UPDATE	
REV DATE	2/6/24	
MACHINE MODELS	ALL FLEX/FLEX WALKER VARIABLE BUFF	

TOOLS NEEDED	PARTS
<ul style="list-style-type: none">• Phillips Screwdriver• Ratchet• 9/16" socket• 1/2" Wrench• 9/16" Wrench• 1/8" Allen• 3/16" Allen	<ul style="list-style-type: none">• 164-9017 Variable Buffer Belt• 164-9021 Bushing• 153-2005 5/16" Flat Washer

TECHNICAL NOTE

Please thoroughly read the instructions prior to performing the installation of this assembly. To avoid any potential problems, if at any time during the process you have a question, stop, and contact our Tech Support department at the numbers listed below.

STEPS

1. Remove the lid assemblies.

Conditioner Compartment Lid Removal

To remove, set the machine down into the operating position.

Slide the conditioning compartment lid back a few inches to where you can reach your hand under the lid. Locate the lid pin ring and pull the spring-loaded pin from the pin guide. Do the same for the opposite side.

Tilt the lid assembly up and pull the other spring-loaded pins out of the guide and lift the lid assembly up and out of the lane machine.



Within USA - 1-800-280-2695
Outside USA - +1 863-734-0200
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Installation Instructions

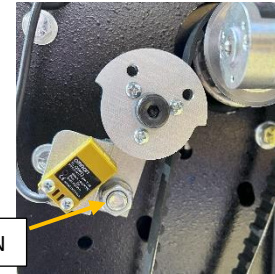
Cleaning Compartment Lid Removal

To remove the cleaner compartment lid, you must first remove the conditioner compartment lid. Once the conditioner compartment lid is removed, slide the lid all the way to the read of the lane machine and lift the lid up and out of the machine.

Side Guard Removal

With the machine in the upright transport position, locate the two screws on each side of the machine that mount the bottom of the side cover and remove.

2. Lift the lane machine into the upright transport position. Remove the remaining screws on the bottom holding the side guard on.
3. Access the outputs and using the Buffer Brush up/down output, raise the brush to the UP position if not so already. Power the machine off.
4. Loosen, but do not remove, the buffer tach assembly.



5. Remove the white idler pulley from the machine. Use a 9/16" wrench to hold the idler shaft while removing the bolt with a 1/2" wrench.
6. Remove the black eccentric pulley. Do this by removing the 1/2" nut on the inside of the lane machine followed by removing the bolt holding the eccentric pulley to the machine.
7. Remove the belt from the lane machine. Do not discard the belt, keep it as an emergency backup.
8. Verify the buffer motor pulley is pushed all the way onto the motor shaft. There should be approximately .010 - .020 (.25mm - .50mm) gap between the motor and the pulley. If not, loosen the pulley and adjust the pulley accordingly.

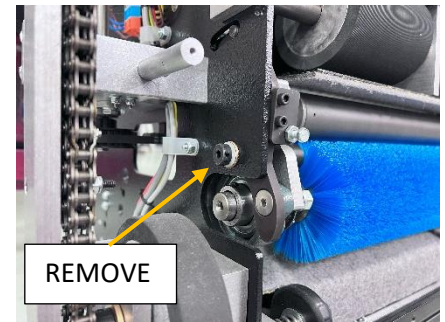




Installation Instructions

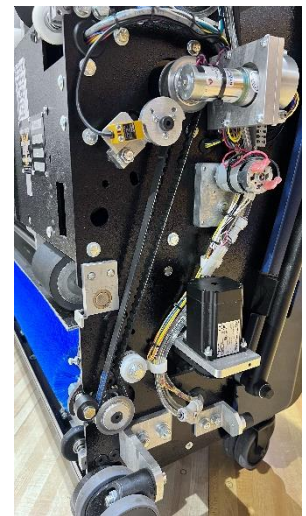
WALKER ONLY MACHINES

9. Remove the (2) shoulder bolts with the nylon washers that bolt into each of the buffer brush pivot bearings. This will allow you to pivot the brush out to access the buffer brush pulley.



10. Using a 3/16" allen wrench remove the countersunk bolt along with the large washer, pulley, key and flanged bushing from the brush assembly.
11. Slide the new bushing (164-9021) from the kit onto the buffer brush followed by the key, pulley and secure with the bolt and large washer.
12. Fasten the two shoulder bolts back into the buffer brush pivot bearings.

13. Locate the new buffer belt from the kit and route it like the picture.



14. Reinstall the white idler pulley that was removed in step 5.
15. Reinstall the black eccentric idler wheel. When doing this, add the 5/16" flat washer from the kit, between the thick black washer and the eccentric idler shaft. With a 1/2" wrench, fasten the bolt snug into the bearing assembly. Keeping your wrench on the bolt, fasten the nut onto the bolt on the inside of the lane machine.

View adjustment video at this link: https://youtu.be/E_Pw7Cb7sDo





Installation Instructions

16. Adjust the black eccentric wheel. To do this, hold the bolt in place with the 1/2" wrench and using your 7/16" wrench, spin the shaft until the wheel is gently touching the belt. Once correctly adjusted, fasten down.
17. Power the lane machine back and go to the outputs and lower the buffer brush into the **DOWN** position.
18. When applying tension to the belt with the idler, the distance between the roller and the top of the belt should be 1 1/16" to 1 3/16" (27mm to 30mm). Due to possible minute differences in belt conditions, parts or assemblies, the distance could vary from machine to machine.
19. Go to the outputs and turn on the buffer brush and test to verify that all is good.
20. Once verified, operate the machine on the lane paying close attention to functionality.
21. Once complete, replace all of the guards on the lane machine.



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