



INSTALLATION INSTRUCTIONS

PART NUMBER	154-9615
PART DESCRIPTION	BUFFER BELT REPLACEMENT
REV DATE	1/28/2019
MACHINE MODELS	ION-A,B / KP / KK / EP / ELT / STD / PXS-C



Basic knowledge and operation of the lane machine

TOOLS NEEDED:

Phillip Screwdriver (2) 9/16 wrench

PARTS INLCUED:

Buffer Belt



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.



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ION-A,B / KP / KK / EP / ELT / STD / PXS-C

1. Remove the cover over the Buffer Belt located on the 7 pin side of the lane machine.
This will either be a full side cover that should be removed while the machine is in the upright, transport position. Or, it will be an aluminum cover that can be removed by removing the three small phillip screw holding it in place.
2. Remove the idler wheel that is mounted to the side of the lane machine.
3. With the buffer brush in the up position, remove the old belt and install the new buffer belt around the buffer motor and buffer brush pulley.
4. Reinstall the idler mount and wheel assembly back into place.
5. Press down firmly on the idler mount, and wheel onto the buffer belt and tighten the idler mount.
6. Menu to the buffer up/down output and verify this function.
7. With the buffer brush in the down position, verify the function of the buffer brush assembly.
8. Operate the machine up and down the lane to ensure all is working well.
9. With all functions verified and working, reinstall the side cover.



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INSTALLATION INSTRUCTIONS

PART NUMBER	154-9615
PART DESCRIPTION	FLEX BUFFER BELT REPLACEMENT
REV DATE	1/29/2019
MACHINE MODELS	FLEX AND FLEX WALKER (Non-Variable Buff)



Basic knowledge of the lane machine including mechanical and electrical

TOOLS NEEDED:

Phillip Screwdriver
(2) 9/16 wrench

allen set
1/2 wrench

3/16 cut allen
7/16 wrench

PARTS INLCUDED:

Buffer Belt



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.

Please visit our growing library of videos to see if these instructions are available!



www.youtube.com/user/KegelBowling81



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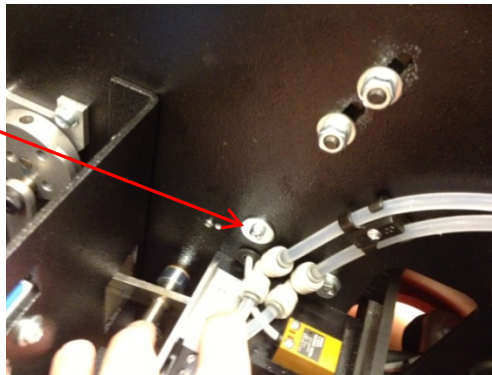
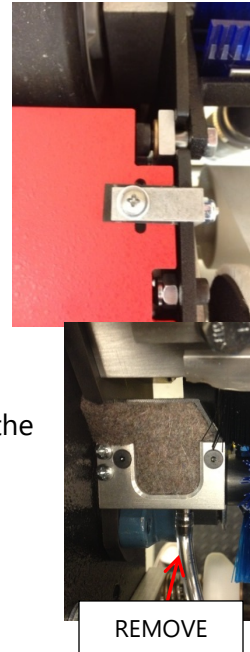
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Remove the Side Guards

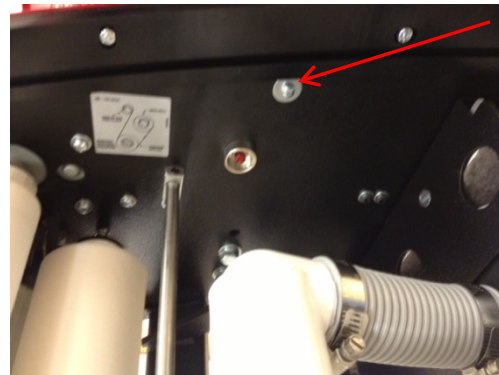
1. With the machine in the up-right transport position, locate the three (3) screws that mount the bottom of the side cover as shown to the right.

FLEX WALKER ONLY (steps 2 and 3 only)

2. The FLEX Walker will have an additional fastener that will fasten the bottom of the guard into a mounting post.
3. On the FLEX Walker, it will be necessary to remove the bumper wheels on both sides of the lane machine.
4. Set the machine down in the operating position and remove the hose that connect to both the 7 pin and 10 pin drip pad assemblies.
5. While in the operating position, slide back the cleaning compartment lid. Remove the two (2) screws that fasten the side covers to the side plate of the machine.



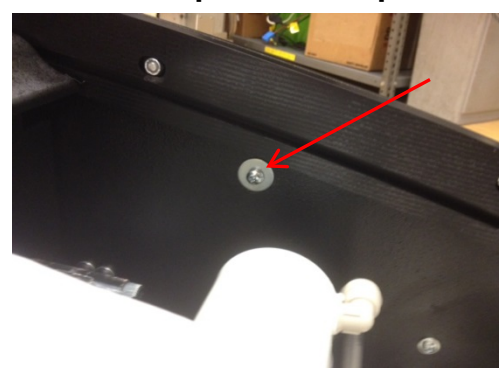
Oil Compartment 10-pin side



Cleaner Compartment 10-pin side



Oil Compartment 7-pin side



Cleaner Compartment 7-pin side



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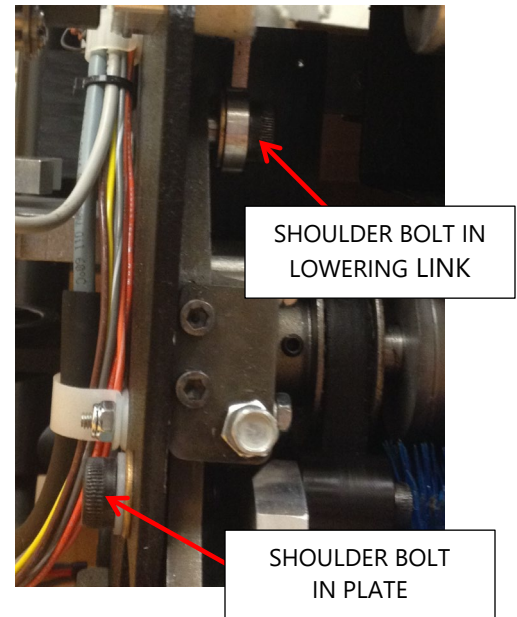
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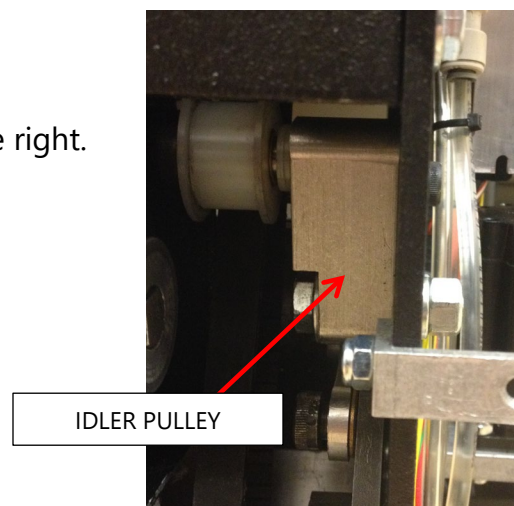


Removal of Buffer Brush

6. With the machine in the up-right transport position, using the cut 3/16 allen wrench, remove the shoulder bolt that mounts the lowering link to the plate assembly. Do this for both the 7 and 10 pin side.



7. Loosen the idler pulley for the belt on the right.



8. Remove the shoulder bolt that threads into the plate from the outside of the machine (upper pic).
9. After removing both the 7 and 10 pin bolts, you will now have enough slack in the belt on the right side to remove it from the upper pulley.



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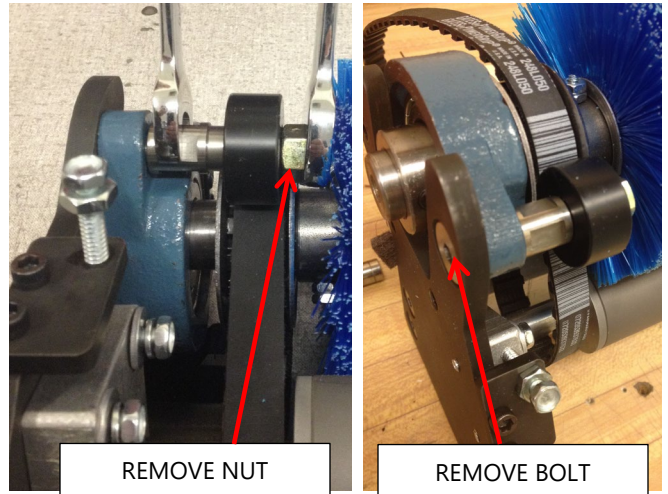
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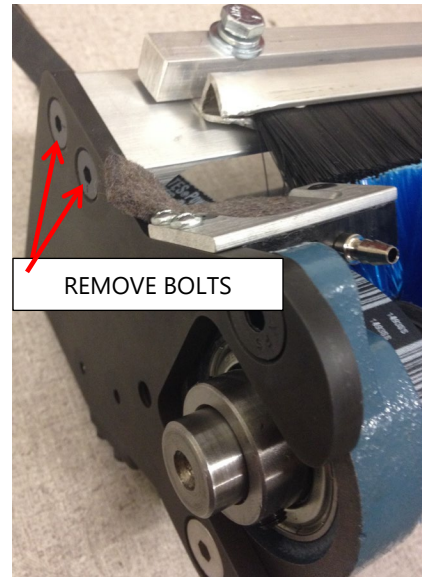
Disassembling the Buffer Assembly for Belt Removal/Reinstallation

Now that the Buffer/Transfer brush is out of the machine and on a clean workbench, we can disassemble the buffer assembly.

10. Set the assembly on the bench with the 10 pins side of the brush facing left. In addition, this side has the long buffer belt on the pulley.
11. Remove the idler pulley located on the bearing assembly. Do this by taking two 1/2 wrenches to loosen the nut holding the pulley on.
12. Once off, it will be necessary to loosen the bolt that goes through the bearing. Loosen this up enough to where the black idler pulley will slide off.



13. Slide the left bearing and plate assembly off the Buffer Brush and transfer roller shaft.



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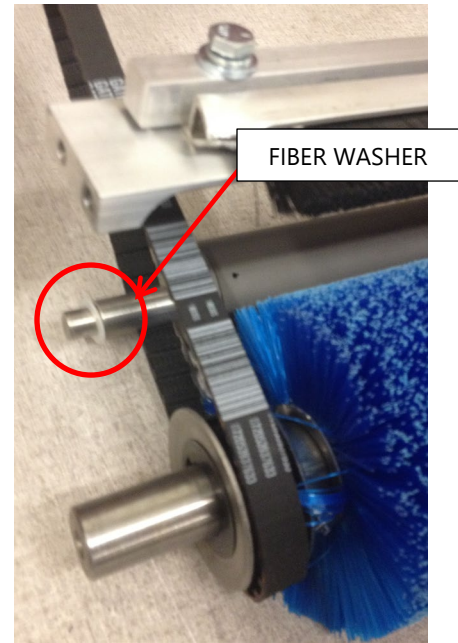


14. Install the NEW BELT by first routing the buffer belt assembly. It will route around the buffer brush assembly AND the Transfer roller. The Transfer brush will be on the outside of the belt as shown in the pic to the right.

15. Ensure the small white fiber washer is slide onto the shaft of the transfer roller assembly as shown in the pic.

16. Line up the Transfer roller bearing on the plate with the transfer roller shaft. Slide the left bearing and plate assembly on to the shafts of the buffer brush and transfer roller assembly.

17. With a drop of blue loc-tite on the threads, bolt the Transfer brush assembly back onto the plate and tighten.

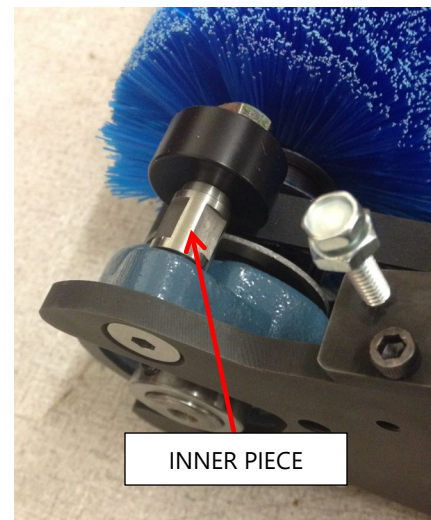


18. Reinstall the black buffer belt idler pulley. You will need to slide the inner locking piece onto the bolt while the bolt is still loose. Do not fasten yet.

19. Now slide the black pulley onto the bolt.

20. Make sure the belt is nested inside the cogs of the pulley and the black idler pulley is settled on the belt inside the buffer pulley.

21. Tighten the bolt all the way while holding the black pulley assembly in place.



22. Take and thread the nut onto the bolt, and with a 7/16 wrench and a 1/2 wrench, tighten the assembly firmly into place.



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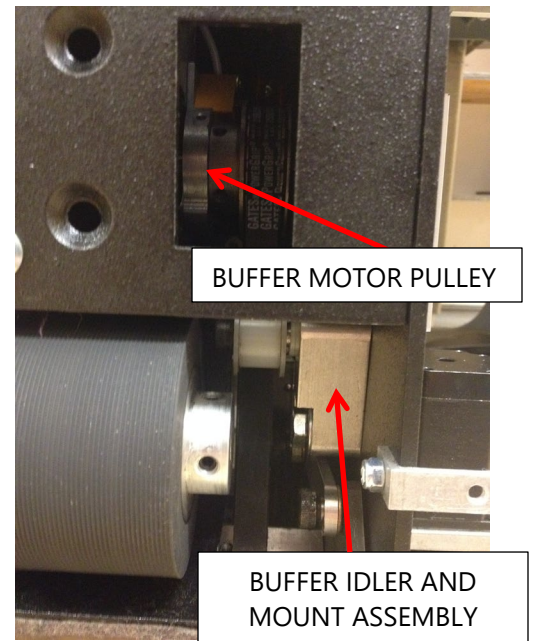
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Installation of Buffer Brush

23. Take the assembly and set it into place inside of the lane machine. Route the buffer belt around the buffer pulley on the motor assembly inside the lane machine.
24. Thread the shoulder bolts into the plate from the outside of the machine. Do this to both the left side and right side and tighten all the way.
25. Fasten the lowering link onto the plate by using the remaining shoulder bolts. Tighten into place.
26. Reinstall the buffer belt idler and mount assembly. Tighten up while pressing firmly on the pulley for tension.



Reinstall the Side Guards

27. Follow the steps in reverse order for installing the side.

Prior to operating the lane machine on the lane, go to the Test Outputs and check that the function of the buffer brush is working properly.



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