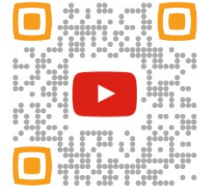




INSTALLATION INSTRUCTIONS

PART NUMBER	164-8001
PART DESCRIPTION	FLEX BUFFER BRUSH
REV DATE	4/15/2020
MACHINE MODELS	FLEX AND FLEX WALKER



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 INLCUED:

Buffer Brush assembly

Key Stock



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

KEGEL TECH SUPPORT:
Within USA - 1-800-280-2695
Outside USA - +1 863-734-0200
via e-mail at LMC@Kegel.net
website www.kegel.net

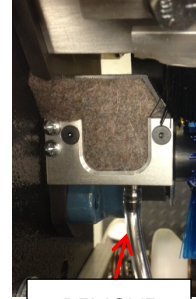


Remove the Side Guards

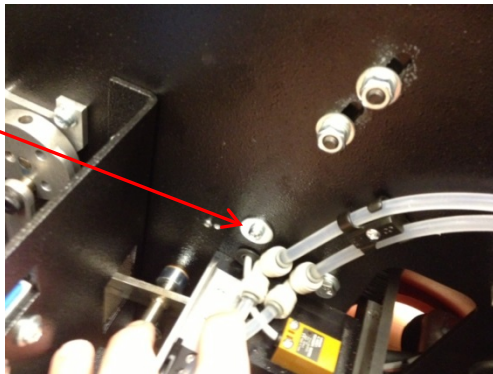
1. With the machine in the up-right transport position, locate the three screws that mount the bottom of the side cover as shown to the right.

FLEX WALKER ONLY (steps 2 and 3 only)

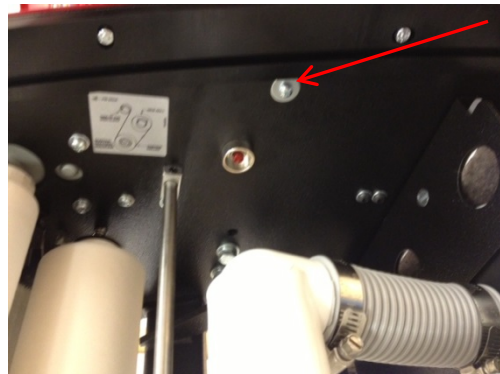
2. The FLEX Walker will have an additional fastener that will fasten the bottom of the guard into a mounting post.
3. On the FLEX Walker, it will be necessary to remove the bumper wheels on both sides of the lane machine.
4. Set the machine down in the operating position and remove the hose that connects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



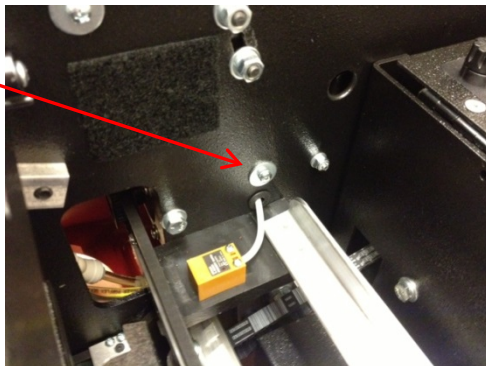
REMOVE



Oil Compartment 10-pin side



Cleaner Compartment 10-pin side



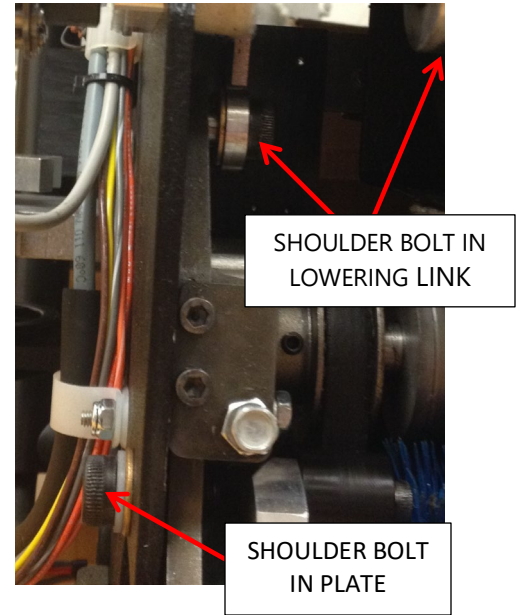
Oil Compartment 7-pin side



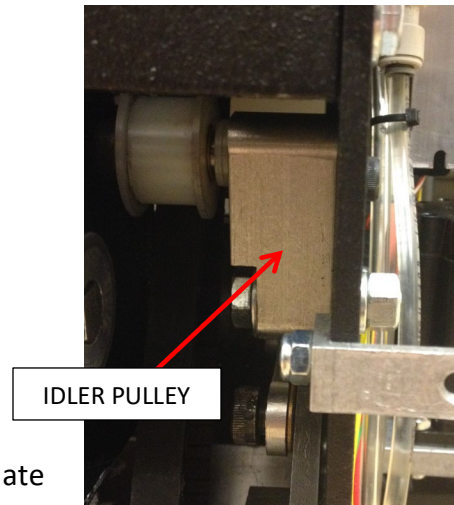
Cleaner Compartment 7-pin side

Removal of Buffer Brush

6. With the machine in the up-right transport position, use the cut 3/16 allen wrench to 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.

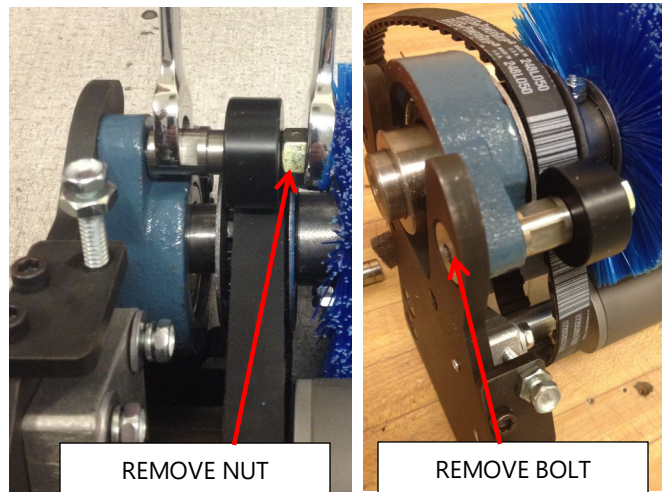


8. Remove the shoulder bolt that threads into the plate from the outside of the machine (upper pic).
9. After removing both the 7 and 10 pin bolts, you will now have enough slack in the belt on the right side to remove it from the upper pulley.

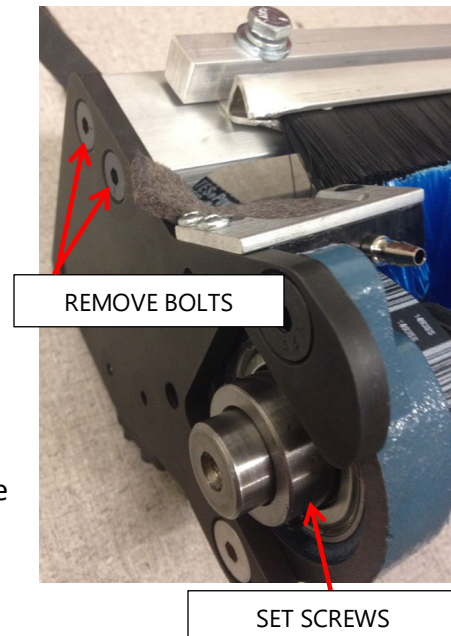
Changing out the Buffer Brush

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 7-pin side of the brush facing left. This is also the side that has the long buffer belt on the pulley.
11. Remove the idler pulley located on the bearing assembly. Do this by taking a $\frac{1}{2}$ wrench and $\frac{7}{16}$ " 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.

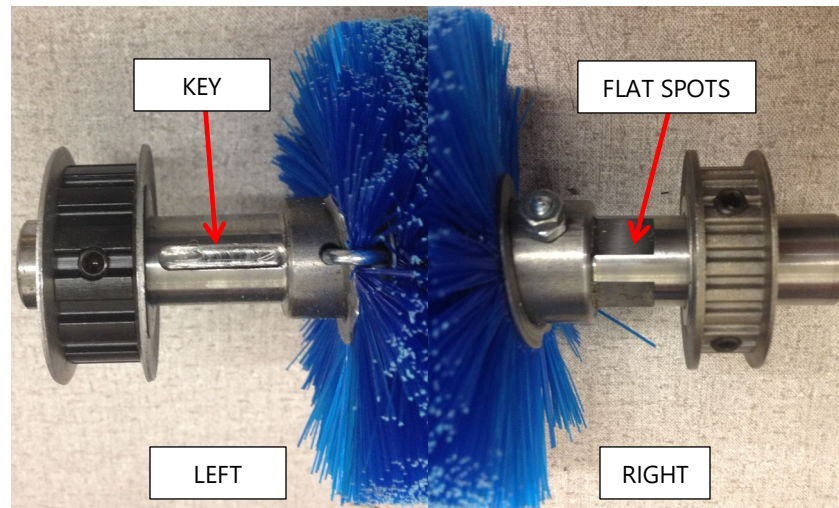


13. Loosen the two set screws in the right-side bearing assembly.
14. On the left side, loosen the two set screws on the bearing and remove the two bolts that mount the Transfer Brush assembly to the plate.
15. Slide the left bearing and plate assembly off the Buffer Brush and transfer roller shaft.



16. Once removed, slide the buffer brush from the bearing and pulley on the right side. It will be necessary to roll the small belt off the pulley on the buffer assembly while pulling the buffer from the bearing.
17. Now that the Buffer Brush assembly is out of the buffer bearings, remove the two small pulleys from the old buffer brush.

18. Take the new Buffer Brush assembly and place it on the work bench with the shaft that is keyed to the left. The right buffer brush shaft will have two flat spots on it for fastening the set screws.



19. Locate the new key stock from the kit and set it into the groove. Slide the pulley with the black inner wheel onto the left shaft as shown above.
20. Take the other pulley and slide onto the right side with the set screws over the flat spots on the shaft. Tighten the set screws all the way.
21. With the small transfer belt around the shaft of the buffer brush, slide it through the right-side bearing assembly. It may be necessary to walk the belt onto the pulley at the same time. Make sure the small transfer belt is around both pulleys before continuing.

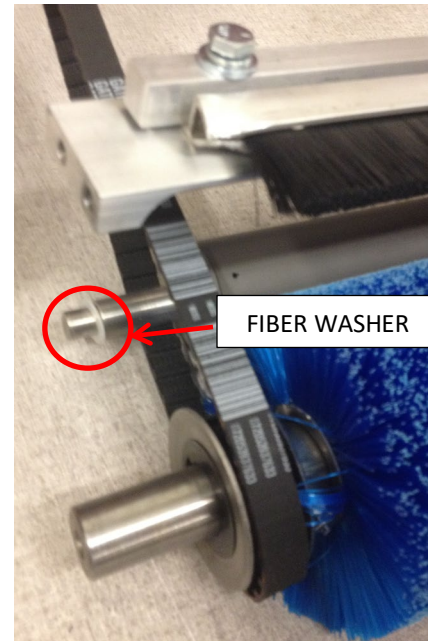


22. On the left side, route the buffer belt around the buffer brush assembly AND the Transfer roller. The Transfer brush will be on the outside of the belt as shown in the pic to the right.

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

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

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



26. 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.

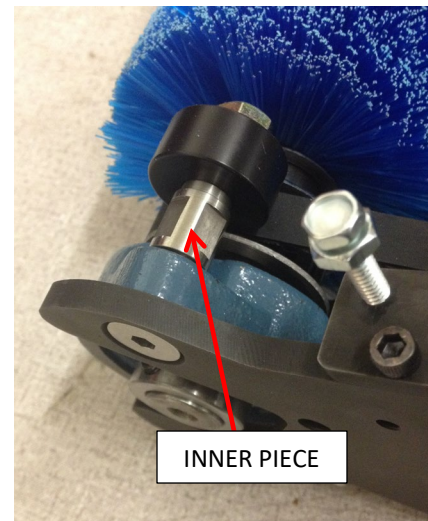
27. Now slide the black pulley onto the bolt.

28. 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.

29. While holding the black pulley assembly in place, tighten the bolt all the way.

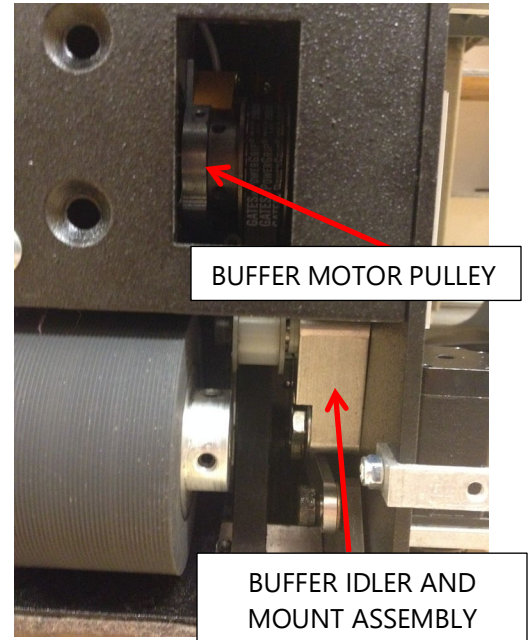
30. Take and thread the nut onto the bolt, and with a 7/16 wrench and a 1/2 wrench, tighten the assembly firmly into place.

31. Before tightening the two set screws in the buffer bearing assemblies, make sure that it is centered and distributed evenly from left to right. Use the gap between the bearing and the shaft as a gauge.



Installation of Buffer Brush

32. 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.
33. 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.
34. Fasten the lowering link onto the plate by using the remaining shoulder bolts. Tighten into place.
35. Reinstall the buffer belt idler and mount assembly. Tighten up while pressing firmly on the pulley for tension.



Reinstall the Side Guards

36. 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.