



INSTALLATION INSTRUCTIONS

PART NUMBER	164-8430C
PART DESCRIPTION	DUO TRANSFER SYSTEM – FLEX 2013-2015
REV DATE	8/2/18
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 INLCUDED:

Buffer Brush assembly



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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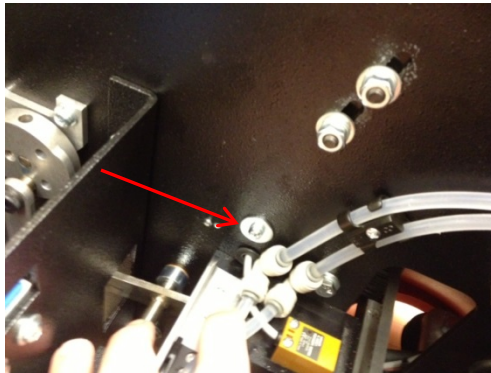


Remove the Side Guards

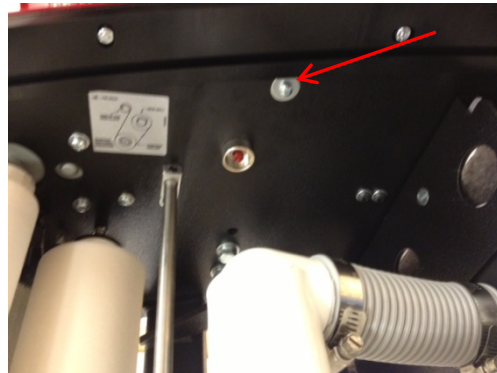
1. With the machine in the up-right transport position, locate the three (3) screws that mount the bottom of the side cover as shown to the right.

FLEX WALKER ONLY (steps 2 and 3 only)

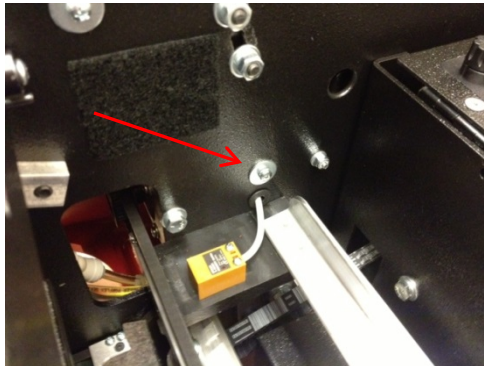
2. The FLEX Walker will have an additional fastener that will fasten the bottom of the guard into a mounting post.
3. On the FLEX Walker, it will be necessary to remove the bumper wheels on both sides of the lane machine.
4. Set the machine down in the operating position and remove the hose that connect 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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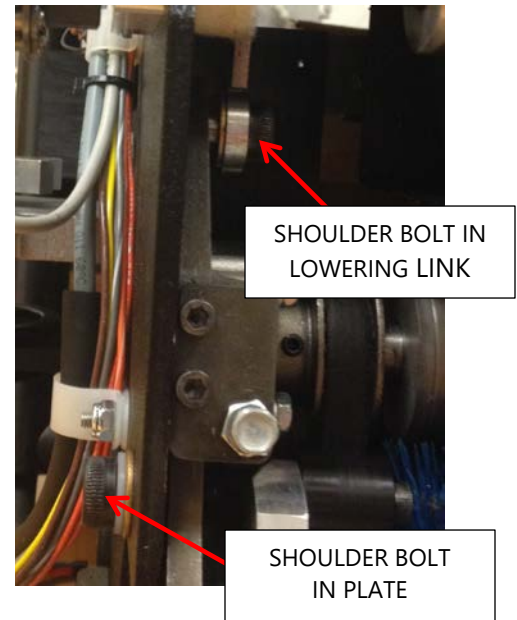
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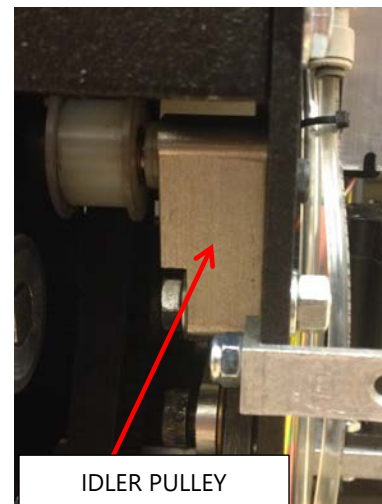


Removal of Old Transfer Brush Assy

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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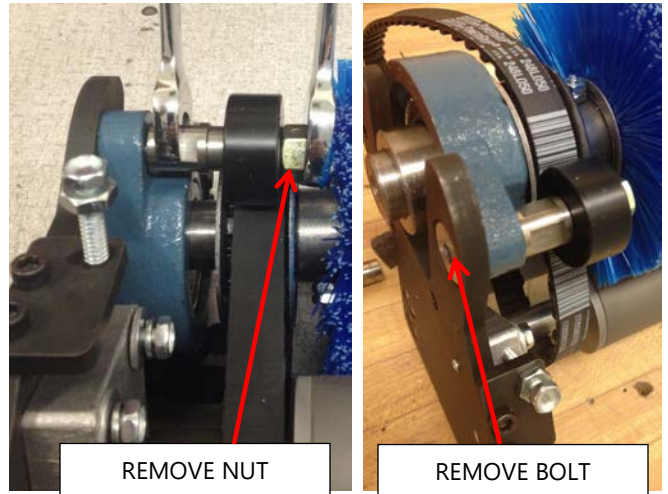
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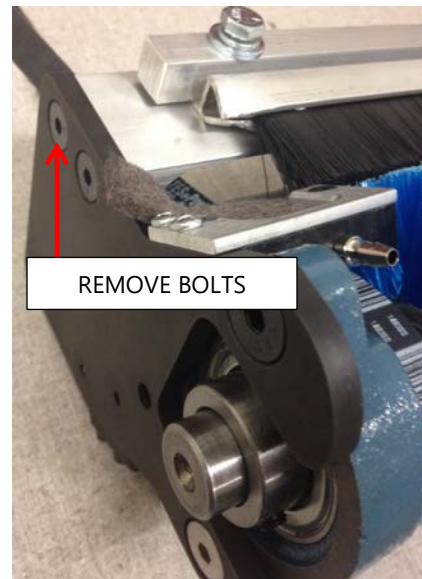
Changing out the Buffer Brush

Now that the Buffer/Transfer brush is out of the machine and on a clean workbench, you can disassemble the buffer assembly to remove the Buffer Belt

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. On the left side, remove the two bolts that mount the Transfer Brush assembly to the plate.
14. Remove the Buffer Belt from the old assy.



15. On the left side of the new Transfer Assy, remove the two bolts that mount the Transfer Brush assembly to the plate, as done in step #13.
16. Remove the idler pulley on the new Transfer assy as done in step #11 located on the bearing assembly. Do this by taking a $\frac{1}{2}$ wrench and $\frac{7}{16}$ " to loosen the nut holding



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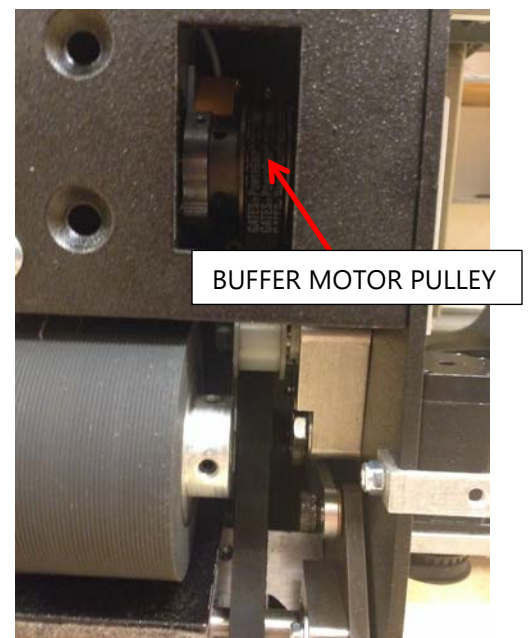
the pulley on.

17. 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.
18. Install the Buffer belt on the new assy.
19. With a drop of blue loc-tite on the threads, bolt the Transfer brush assembly back onto the plate and tighten.
20. 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.
21. Now slide the black pulley onto the bolt.
22. 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.
23. Tighten the bolt all the way while holding the black pulley assembly in place.
24. 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.



Installation of New Transfer Assy

25. 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.
26. 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.
27. Fasten the lowering link onto the plate by using the remaining shoulder bolts. Tighten into place.
28. Reinstall the buffer belt idler and mount assembly. Tighten up while pressing firmly on the pulley for tension.



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Reinstall the Side Guards

29. 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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