INSTALLATION INSTRUCTIONS

PART NUMBER	**164-8602B**
PART DESCRIPTION	**Wired 24V Drive Motor 2” Shaft Assy - Bodine**
REV DATE	**3/9/2020**
Machine Models	**ION Models A & B and IKON**

Basic knowledge of the lane machine including mechanical and electrical

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TOOLS NEEDED:

7/16” Wrench	7/16” Socket	Ratchet
9/16” Wrench	9/16” Socket	1/8” Allen wrench

PARTS INCLUDED:

(1) 164-8602B Wired 24V Drive Motor 2” Shaft Assy - Bodine
(1) 153-9047 #40 Master Link
(1) 153-8048 #40 Offset Link

KIT NEEDED:
A 164-8251 Hardware kit is needed! If you do not have this, contact your Distributor to order.

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

Kegel’s Lane Maintenance Central:
Within USA - 1-800-280-2695
Outside USA - +1 863-734-0200
via e-mail at LMC@Kegel.net
website www.kegel.net

ALL FLEX, FLEX WALKER & IKON MACHINES – REMOVING LIDS AND GUARDS

1. With the lane machine standing in the upright, transport position, remove the screws holding on the side guards.
2. Remove the Bumper wheel assembly.
3. Now set the machine down into the operating position, and remove the last two screws holding the side guard onto the machine. There will be one in the cleaning compartment and one in the conditioning compartment.
4. Remove both the cleaner and the conditioning lid assemblies.
5. Remove the clear electrical panel cover.
6. Remove the three screws that fasten down the electrical panel and pull the panel up towards you.
7. Remove the battery assembly.

164-8602B ION MODEL A & B DRIVE MOTOR

REMOVAL

1. With the lane machine in the operating position, remove the lid assembly by first removing the ground wire connecting the lid to the inlet power plug.

2. Next, remove the hinge block on the 10 pin side. Then slide it out of the hinge on the 7 pin side.

3. Remove the recovery tank assembly.
4. Unplug the vacuum motor assembly, and remove the two ¼-2- bolts holding it in place. Lift up and out of the machine and set aside.
5. Remove the screws holding the center electrical plate assembly, and lift it up and set aside.

6. Unscrew and remove the plate that covers the drive motor chain.

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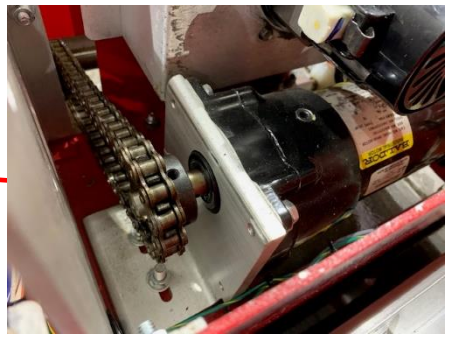
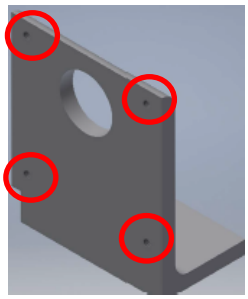


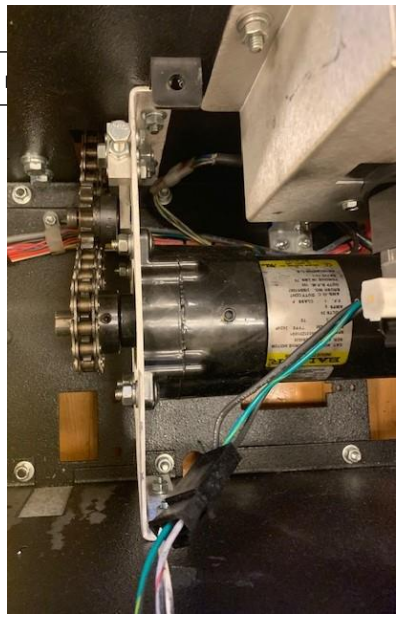
7. Locate the master link on the drive motor chain and remove.
8. Remove the two bolts that mount the motor bracket to the floor of the machine.
9. Lift the drive motor assembly up and out of the lane machine and place on a workbench.
10. Before removing the sprocket, take a measurement of the location of the sprocket on the shaft.
11. Loosen up the two set screws in the sprocket and slide off of shaft.
12. Remove the four bolts holding the motor onto the motor bracket.
13. Take the motor bracket and place in a vise.



14. Take a 9/32 drill bit and drill out the threads on the motor bracket. Shown to the right.

15. With the provided hardware (4) 153-2004, (4) 153-2014, (4) 164-2095 attach the new motor onto the motor bracket.
16. With the machine standing up, take the assembly and mount it to the floor. You may need an assistant to do this. Just hand tighten them for now.
17. Place the chain back onto the motor and drive shaft. Use the supplied master link.
18. Tighten the motor mount assembly leaving little slack in the chain.
19. Plug the motor back in.
20. Temporarily replace the electrical plate assembly but do not fasten down.
21. Before reassembling the lane machine, apply power to the machine and verify your speeds and adjust if necessary.
22. Install the vacuum motor assembly and plug back in.
23. Remove the electrical panel again and install the drive motor chain cover.
24. Reinstall the electrical panel and fasten into place.
25. Reinstall the lid assembly.
26. Run the machine and verify the speeds of the motor.

164-8602B IKON DRIVE MOTOR



REMOVAL

1. Unplug the drive motor assembly.
2. Loosen the jam nut on the drive chain tension block and back the bolt away from the block so that the chain has slack in it.
3. Locate the master link on the drive chain assembly and remove.
4. Remove the four mounting bolts holding the drive motor to the bracket.
5. Slide the motor out of the bracket and remove from the lane machine.
6. Using your align, loosen the two set screws in the sprocket and slide off of the motor shaft.
7. Using the new supplied key, slide the sprocket back onto the new drive motor shaft and fasten the set screws.
8. Place the motor back into the lane machine and using the supplied (4) four ¼ - 28 x 1” bolts, fasten the motor to the bracket.
9. Route the drive chain around both sprockets and using the supplied master link, connect the chain back on.
10. Thread the bolt for the idler sprocket back down until you have the correct tension. The chain should have a little bit of tension but not much. Spin the shaft of the motor to achieve equal tension.
11. Tighten the jam nut.
12. Replace the batteries, and inspect drive motor outputs and speeds. Make any necessary adjustments.

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