



## INSTALLATION INSTRUCTIONS

PART NUMBER	164-8602A
PART DESCRIPTION	Wired 24V Drive Motor 4.75" Shaft Assy - Bodine
REV DATE	3/9/2020
Machine Models	FLEX & FLEX Walker (2016+)



Basic knowledge of the lane machine including mechanical and electrical

#### TOOLS NEEDED:

7/16" Wrench  
9/16" Wrench

7/16" Socket  
9/16" Socket

Ratchet  
1/8" Allen wrench

#### PARTS INCLUDED:

- (1) 164-8602A Wired 24V Drive Motor 4.75" Shaft Assy - Bodine
- (1) 153-9047 #40 Master Link
- (1) 153-8048 #40 Offset Link
- (12') 153-1305A Yellow 22AWG Wire
- (1) 153-2100 3/16" x 3/4" Keystock
- (1) 153-2101 3/16" x 7/8" Keystock
- (1) 153-2102 3/16" x 1-1/4" Keystock



#### 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](mailto:LMC@Kegel.net)  
website [www.kegel.net](http://www.kegel.net)



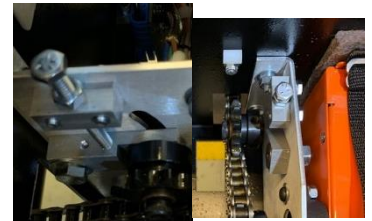
## ALL FLEX, FLEX WALKER & IKON MACHINES – REMOVING LIDS AND GUARDS

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.

### 164-8602A FLEX & FLEX WALKER (2016+) MAIN DRIVE MOTOR

#### REMOVAL

1. Using a 7/16" wrench, remove the two bolts that mount the vacuum motor to the wall. Remove the vacuum motor.
2. Using a 7/16" wrench loosen the jam nut on the threaded jam bolt. Back the bolt out and away from the block.
3. Using (2) 9/16" wrenches, loosen up the block tensioner to relieve tension from the chain. Do this for both chain tensioner blocks.
4. Remove the master links from both chains and remove the chains.
5. Loosen up all the sprockets on the shaft of the motor.
6. Loosen up the two set screws in the bearing housing.
7. Remove all four bolts that mount the drive motor to the inner plate assembly.
8. Unplug the motor and slide up and out of the machine.



#### INSTALLING

1. Before removing the sprockets, take a measurement of how far the sprockets are from the motor. This will make it easier to line up sprockets when the chains go back on.
2. Remove the sprockets.
3. Using the new keyways, install the sprockets onto the new motor assembly.
4. Reinstall the motor through the inner plate assembly and into the bearing.

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website [www.kegel.net](http://www.kegel.net)



5. Using the supplied bolts, place a washer and a lock washer on them and fasten the motor to the plate.
6. Tighten all the set screws. One on each of the sprockets, and two on the bearing.
7. Tighten the tension blocks back down onto the chains. Tighten up the long bolt for the tension block first, then fasten the bolt in the tension block.
8. Reinstall the vacuum motor.
9. Reinstall the recovery tank.
10. Reinstall the lid assembly.

After the lane machine is all back together, run an 'Auto Speed Adjust' so that the motor can be dialed in with the correct speeds. A yellow balancing wire has been added in case an adjustment is needed.

