



INSTALLATION INSTRUCTIONS

PART NUMBER	154-8846
PART DESCRIPTION	CLEANER PUMP POTENTIOMETER
REV DATE	10/30/2012
MACHINE MODELS	KPLUS, ION, KW



Basic knowledge of the operation of the lane machine

TOOLS NEEDED:

3/32" Allen Wrench

9/16" Wrench

Phillips Screwdriver

11/32" Wrench



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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- 1) Disconnect power from machine & lay down in the operating position
- 2) Loosen the set screw in the potentiometer locking bar
- 3) Using the Phillips screwdriver & 11/32" wrench, remove the 8-32 Locknut on the underside of the cleaner pump plate holding the locking bar in place. Remove the potentiometer locking bar, washer & plastic spacer from the potentiometer.
- 4) Using the 9/16" wrench, remove the flat nut & lock washer securing the potentiometer to the plate. Unplug the defective potentiometer wiring from the harness & remove defective potentiometer.
- 5) Install the new potentiometer on the underside of the plate, making sure the tab on the potentiometer goes in the small hole in the plate. Secure w/ lock washer & flat nut.
- 6) Re-install the potentiometer locking bar, washer & spacer on the plate & secure on underside w/ the 8-32 lock nut.
- 7) Turn the potentiometer all the way counter-clockwise until it stops. Adjust the potentiometer clockwise until the slot is @ the 1:00 position and tighten set screw.
- 8) Using the plugs included w/ the potentiometer, complete the wiring as follows:

If the machine wiring harness has a 5-pin plug:

Remove the existing red & black pump motor wires from the cleaner pump motor terminals. Plug the red wire in the new 5-pin plug onto the positive terminal on the bottom of the cleaner pump, and the black wire onto the negative terminal. Plug the new potentiometer wires into the 5-pin plug as follows: Red/Green to position #3, Blue/Red to position #4 and the Blue/Green to position #5.

If the machine wiring harness has 2 & 3 pin plugs:

Plug the existing cleaner pump wiring (Red & Black wires) into the 2-pin male harness plug. Plug the new potentiometer wires into the 3-pin female plug as follows: Blue/Green to the point, Blue/Red to the center location & the Red/Green wire to the flat. Plug into the 3-pin male harness plug.

- 9) Perform a cleaner pump volume output test and adjust potentiometer as necessary to achieve desired cleaner volume.



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