



# INSTALLATION INSTRUCTIONS

PART NUMBER	158-8415
PART DESCRIPTION	SPEED CONTROL ASSEMBLY – 24VDC
REV DATE	4/20/2020
MACHINE MODELS	ALL SPORT MODELS AND KW A,B & ION A,B



Basic knowledge of the operation of the lane machine

#### TOOLS NEEDED:

Phillips screwdriver

Pliers

Wire Cutters



#### 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](http://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](mailto:LMC@Kegel.net)

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



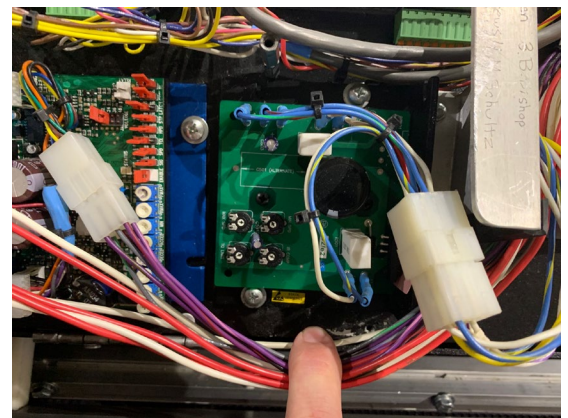
## KUSTODIAN WALKER / ION SPORT MODELS

1. With the machine lying down in the operating position, open up the center compartment.
2. Remove the plastic cover over the drive and speed control boards.

3. Remove the two phillip screws securing the electrical panel.



4. Tilt the panel up and remove one of the screws holding the speed control board. Just loosen the other one.
5. Unplug the Molex plugs and lift out of the machine.
6. Take new speed control board and put into the machine and tighten up the screws.
7. Plug the connections back into the circuit board.
8. Apply power to the lane machine and perform a Cleaner Volume check to verify you are getting the correct amount dispensed. Make any necessary adjustments.



## KUSTODIAN WALKER A & B

1. With the machine lying down in the operating position, open up the center compartment.
2. Unplug the Molex plugs on the assembly.
3. Remove all 6 of the screws holding the electrical panel in place.
4. On the Cleaner speed control assembly, just loosen one of the screws and remove the other entirely.
5. Install the new one onto the electrical panel and fasten into place.
6. Plug the connectors back in.
7. Screw the panel back down into place.
8. Apply power to the lane machine, and check the cleaner output. Make any necessary adjustments.

## KUSTODIAN ION A & B

1. With the machine in the operating position, open up the cover to the center compartment.
2. Remove the screws holding the left PLC electrical panel in place.
3. Lift up and out of the machine without pulling on the cables.
4. The speed control board is located on the center wall to the 7-pin side just in front of the buffer motor.
5. Unplug the circuit board assembly.
6. Remove one of the screws holding the assembly to the wall.
7. Loosen the other screw and remove from the lane machine.
8. Install the circuit board assembly into place using your existing hardware.
9. Plug the circuit board back into the connectors.
10. Install the left PLC electrical panel back into place.
11. Apply power to the lane machine, and check the cleaner output. Make any necessary adjustments.