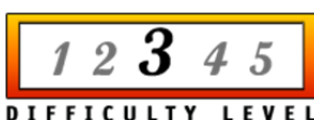




# INSTALLATION INSTRUCTIONS

<b>PART NUMBER</b>	<b>158-8653</b>
<b>PART DESCRIPTION</b>	<b>VALENCE RT2 BATTERY CONVERSION KIT</b>
<b>REV DATE</b>	<b>2/13/12</b>
<b>MACHINE MODELS</b>	<b>ALL BATTERY OPERATED MACHINES</b>



Basic knowledge on ALL aspects of the lane machine, including mechanical, electrical and operating software

### TOOLS NEEDED:

Phillips Screwdriver

7/16" wrench

10mm wrench

Razor knife



### 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)



- Place orders with Distributor
- Maintenance reminders on phone
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Take full control of your lane machine at [My.kegel.net](http://My.kegel.net)

**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)



1. With the machine lying down in the operating position, remove the screws that mount the electrical panel to the machine. This does not have to be removed, but rather just tilted up out of the way while being careful with the components on the underside of the plate.
2. Locate the battery strap that is fastened to the posts that help in holding the batteries in place. Remove the screws or bolts that mount this in place.
3. Prior to removing the batteries from the machine, unscrew the Indicator light gauge from the machine. Next unscrew the black cable from the indicator light to the battery. This is no longer used. **This only applies if you have black Valence batteries.**
4. Next, remove the remaining black cable that screws into the battery connecting the two batteries together. This is no longer used.
5. Now, carefully, stand the batteries upright in the machine so that the red and the black battery posts are revealed. Unbolt the white cable going to the battery and set aside. Next unbolt the Red cable to the opposite battery and set aside.
6. Remove the Valence batteries from the machine and set aside.
7. Inside the machine, locate the center post that was used to mount the battery strap and remove it. This will no longer be needed. **This only applies to ION Model A & B machines.**

### *Battery Installation*

1. The two new Valence RT2 batteries will lay on the bottom of the machine with the battery posts facing *up* towards the ceiling. Push any cables out of the way and carefully set one of the batteries in to the machine. Do the same with the other battery so that they sit side by side.
2. Inside the lane machine you will find the red battery cable, attach this to the positive (+) post on the *right* battery. Locate the Black battery cable and attach this cable to the negative (-) post of the *left* battery.
3. **Attach the WHITE wire w/ RED boot to the positive (+) battery post and the opposite end of the white wire w/ BLACK boot to the negative (-) battery post.** *Fasten down firmly so that ALL connections are tight! You may experience a spark when connecting the fuse link, this is normal.*
4. Locate the new BDI Power gauge from the kit. Plug this in to either of the cables coming from the new Valence RT2 batteries. It does not matter which one, as the other will NOT be used and can be left alone tucked out of the way. Mount the BDI gauge back into place of the original gauge, **if applicable.**



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5. Now take the battery strap and fasten back into place using the two outside support posts, **& middle post if applicable.**
6. Replace the electrical control panel into place being careful of the wiring on the underside and in the machine. Fasten the plate into place.

**IMPORTANT INFORMATION**

*Replacing the Charger*

*When going to the Valence RT2 batteries, it will be necessary to change the Charger assembly as well. Please contact Kegel to ensure that you are set up with the correct replacement.*

*Failure to do so will **VOID** the battery warranty.*

**Warranty Information**

<u>Usage</u>	<u>Coverage</u>
0 – 12 months	100% (including freight)
13-24 months	Pro-rated per monthly schedule (excluding freight)
24-48 months	<b>Red light / catastrophic failure ONLY. Contact Kegel Tech Support for a Pro-Rated warranty (excluding freight)</b>



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