



## INSTALLATION INSTRUCTIONS

PART NUMBER	158-1634C (YELLOW)
PART DESCRIPTION	KEGEL K2 BATTERY
REV DATE	6/5/19
MACHINE MODELS	ALL BATTERY OPERATED MACHINES



Basic knowledge of the operation of the lane machine

### Please read prior to installation:

If you are upgrading your lane machine, please verify that you have acquired the necessary installation kit that is not included with the battery.

ION Model A or B you will need part number 158-8654

All other battery operated machines will need part number 158-8655



#### 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)



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- Maintenance reminders on phone
- Software updates
- How to videos

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)



Rev. 7/16

**To obtain optimum life and performance out of your battery, it is best to charge after EVERY use using an OEM 20 Amp KEGEL approved charger!**

**This replacement battery is shipped with only a 30% charge. After installation in machine, the battery MUST be fully charged to 100% prior to first usage.**

When running the machine only once per day, the maximum amount of lanes that can be done is 90 lanes. When running the machine twice per day, the maximum amount of lanes that can be done is 72 lanes per cycle, or a total of 144 lanes per day. This means that you can run 72 lanes (or less), recharge the battery at least 4 hours, and then run another 72 lanes (or less) for a total maximum of 144 lanes per day.

Register your battery for warranty purposes at  
<http://kegel.net>

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This replacement ProNautic<sup>®</sup> battery charger is Kegel factory pre-set for **Calcium/Custom** for the K2 Lithium Battery.

If the charger is being used with AGM batteries, it must be re-programmed as follows:

- Press and hold the SET UP / ENTER button on the charger for 5-10 seconds
- Press the UP or DOWN arrow until the LED lights up @ PRE-SET 2 for AGM
- Press the SET UP / ENTER button to confirm selection

Using a voltmeter, check the DC voltage at both the disconnect housing & the two-pin plug and verify against the voltmeter on the charger. Voltage should be between 27V – 29V

**For proper charging:** It is necessary to plug the charger into the machine first then power the charger. When the charger is being unplugged, it is necessary to remove power from the charger, allow the charger to shut down then unplug the charger from the machine.

DO NOT leave the charger plugged into power when the charger is not in use. The charger will have the appearance of working properly when actually it could shut down the DC output voltage.

If the ProNautic Charger does not recognize a connection to batteries or the lane machine, or if it detects a bad ground or connection on the AC power side the charger will NOT charge properly.



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## BATTERY WARRANTY INFORMATION

Battery Type	Part #	Max Number of Lanes on a full charge with 1 cycle per day	Max Number of Lanes per day with 2 cycles	Time Limit	Warranty	Customer Pays
YELLOW Kegel K2	158-1634C	90	144	1 year	100% (Includes Freight)	\$ -
				13 month	92% (Freight Not Included)	\$ 230.00
				14 month	84% (Freight Not Included)	\$ 460.00
				15 month	76% (Freight Not Included)	\$ 690.00
				16 month	67% (Freight Not Included)	\$ 948.75
				17 month	58% (Freight Not Included)	\$ 1,207.50
				18 month	50% (Freight Not Included)	\$ 1,437.50
				19 month	42% (Freight Not Included)	\$ 1,667.50
				20 month	34% (Freight Not Included)	\$ 1,897.50
				21 month	26% (Freight Not Included)	\$ 2,127.50
				*22 month	18% (Freight Not Included)	\$ 2,357.50
				*23 month	10% (Freight Not Included)	\$ 2,587.50
				*24 month	5% (Freight Not Included)	\$ 2,731.25

Warranty is **VOID** if not charged with an OEM KEGEL approved charger after **EVERY** use.

During the warranty period if the battery is not able to do the amount of lanes in the center with the maximum lanes noted on a full charge this is considered a performance warranty.

During the 1st year up to the 21st month of the warranty period when a replacement battery is sent the warranty period does not start over and the warranty is still based on original purchased date.

If the battery fails after the first year up to the 21st month a new, refurbished or recondition battery will be sent with a prorated charge plus shipping.

\*During the 22nd to the 24th month a new battery will be sent with a prorated charge plus shipping and the warranty will be 100% for 1 year.

Prorated price is based on current MSRP and subject to change.

\*\*\*If your machine has the Variable Buffer option ALL the numbers for lane reference will need to be subtracted by 10 due to the higher amp draw.



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