



Installation Instructions

PART NUMBER	164-8471, 164-8471E, 164-8471P, 164-8471PE	
PART DESCRIPTION	PRONAUTIC EXTERNAL BATTERY CHARGER	
REV DATE	11/15/2022	
MACHINE MODELS	ODYSSEY AND LITHIUM BATTERY OPERATED MACHINES	

TOOLS NEEDED	PARTS
Voltage Meter	164-8471 - EXT BATTERY CHARGER ASSY - LITH/AGM 115V 164-8471E - EXT BATTERY CHARGER ASSY - LITH/AGM 230V 164-8471P - EXT BAT CHARGER & PLATE - LITH/AGM 115V 164-8471PE - EXT BAT CHARGER & PLATE - LITH/AGM 230V

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.

STEPS



Within USA - 1-800-280-2695
 Outside USA - +1 863-734-0200
www.kegel.net
 E-Mail: tech@kegel.net

Rev. 9/20



This replacement ProNautic[®] 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.



WARNING: This product contains DEHP and other chemicals known to the State of California to cause cancer and birth defects, or other reproductive harm. For more information go to www.P65Warnings.ca.gov

AVERTISSEMENT: Ce produit contient du DEHP et d'autres produits chimiques reconnus par l'État de Californie comme cancérigène, à l'origine de malformations congénitales ou d'autres problèmes de reproduction. Pour plus d'informations, visiter www.P65Warnings.ca.gov