

## VISION CLUBS :: KNOBS & MAGNETIC KNOBS

### WARNINGS ABOUT REPLACING KNOBS

#### 1. Use the right screws!

Please ONLY use the screw that comes with your flowtoys club knob - other screws may be too long and may drill through the circuit board and damage the top LED. See pic below – this happened to someone's club when they used screws that were too long. You don't want to be that someone.

Please note we cannot warranty your board in full if this happens. If you'd like to get your own screws, here are the specs: → #8, 3/4", 18-8 Stainless, Flat Head Phillip Self Tapping Screw, Type A



#### 2. Use force when screwing

In order to maximize the amount of light near the knob, the screw is very short and can easily be stripped out. Please make sure to use great force when screwing the knob in (yes - use force!). You should be pushing it in hard, while screwing so it does not act like a drill. Be sure to screw it in deeply/firmly, so it does not easily rip out during use.

#### 3. Don't replace screw too often

Minimize how often you replace the screw/knob. It is not intended to be swapped out frequently. While we have had success with 20+ replacements, it will eventually wear out the hole and the club will need to be sent in for servicing.

#### 4. Note the nylon washer

The nylon washer prevents the knob from pulling off the club handle. It sits between the screw and the knob, and prevents the screw from sinking too far into the foam knob.

If the screw goes too deep into the knob, the knob will come off during high momentum moves.

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### MAGNETIC KNOBS

The knob's magnet is a N48 Strong Neodymium Magnet with the following dimensions and polarity:

- 0.75" diameter x 0.125" thick with 0.355" x 0.195" 82 degree taper countersunk hole (#8 countersink)
- countersunk on the North Pole.

### Magnet Safety Warning

#### Please read the following before handling magnets:

Magnets are more powerful than most people imagine and need to be handled with care. Before handling magnets, particularly Neodymium Magnets, please follow these safety instructions:



Always wear proper safety equipment (protective gloves and eyewear) when handling larger magnets. Large Neodymium Magnets can be attracted to other magnets or metal objects which may cause serious injuries. Be careful to avoid getting your fingers caught!



Magnets with a strong magnetic field may cause permanent damage to credit cards, computer hard drives, watches, TVs, data storage media and other electronic devices.



Avoid snapping or smashing magnets together with other magnets or with metal as they may break or chip.



Temperatures over 176 deg. Fahrenheit (80 deg. Celsius) can demagnetize Neodymium (Rare Earth) Magnets.



Be careful when using and storing different types of magnetic material, e.g. Neodymium and Ceramic, as demagnetization can occur.



People with pacemakers must avoid handling magnets.



Keep out of reach of children. Small magnets are a choking and swallowing hazard.