Congratulations on your purchase of PowerDyne plates!

PowerDyne plates are high performance skate components engineered to the highest standards and are designed by skaters who have firsthand knowledge of how a plate needs to respond and the adjustment necessary to achieve the perfect feel. In order to ensure the proper levels of performance, please keep this card and perform the inspections and maintenance listed.

**About truck adjustment:**

Your PowerDyne plates feature adjustable truck action, which allows you to customize the feel and response in your plates. Tightening your trucks improves stability and increases power. Loosening your trucks increases maneuverability. To dial in your preferred truck action, make sure your cushions are seated firmly in their cushion cups and then adjust the kingpin adjustment nut to your desired tension. For the Reactor Pro Series adjustable pivot arm truck, please reference the included instruction sheet for more details.

Avoid extreme over-tightening or extreme under-tightening of your trucks. This can cause damage or premature wear. PowerDyne offers high rebound urethane cushions in a range of hardnesses to suit all preferences.

**Tip:** for plates with click action adjustment, remember the number of clicks when adjusting your trucks. It will allow you to quickly reset your trucks when changing cushions and will also give you an easy way to keep track of your adjustments.
**Recommended routine maintenance:**

Maintain your plates by cleaning, inspecting, and tightening any and all parts that may loosen over time due to the stresses of roller skating. Failure to do so may result in damage and/or injury. We recommend the following inspections be performed every time before skating:

1. **Pivot cups.** Pivot cups are wear items and occasionally need to be replaced. They should be inspected for wear and/or a loose seating of the steel pivot arm.

2. **Kingpins.** Kingpins should be inspected to make sure they are always tight. Kingpins should be tightened using a 6 point 11/16" wrench.

3. **Toe stops/Jam plugs.** Toe stops/Jam plugs should be inspected to make sure they are threaded at least 1/2" into the toe stop receptacle and tight. Rotate stops if worn and replace when necessary.

4. **Kingpin adjustment nuts.** Kingpin adjustment nuts should be inspected to make sure they are always tight. It is recommended that a minimum of 2 threads from the top of the kingpin are visible past the top end of the adjustment nut. On a properly adjusted plate, no metal parts should move freely.

5. **Cushions.** Cushions are wear items and occasionally need to be replaced. The best indicator of worn out cushions is when they no longer feel as lively and responsive as they did when they were new. Cushions typically should be replaced every 6 to 12 months, depending on the type and frequency of skating.

**Threaded kingpin installation:**

Please follow the steps listed below when installing threaded kingpins into PowerDyne plates.

1. Make sure all kingpin threads are completely clean. Use a wire brush to clean threads if any dirt or debris is on the threads.

2. Hand tighten the kingpins into the kingpin receptacles on the plate.

3. Finish tightening the kingpins by applying strong force using a 6 point 11/16" wrench. A minimum of 40 FT-LB of torque is recommended.

*Actual parts may vary depending on plate model.*

SEE OTHER SIDE FOR MORE INFORMATION