

# Twister 1 Ball Washer

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User Manual



**David Golf & Engineering Pty Ltd**

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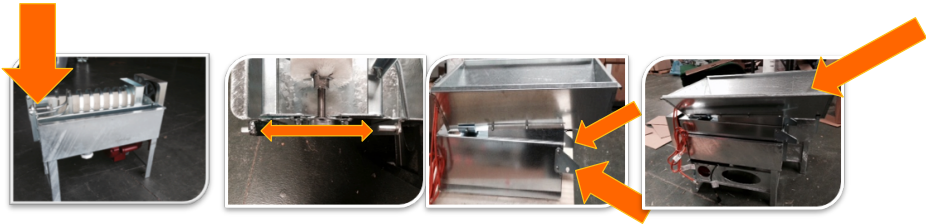
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### Setup:

Your new ball washer is shipped in two boxes, (top & bottom).

- Remove the top and bottom from all packaging.
- Move both pieces of the ball washer close to the final washing station.
- Place the top onto the bottom using the hinge holes first, and then close the top. SEE FIGURES BELOW



- Plug the top into the bottom using the shorter power cords (this is an important safety feature to prevent tampering with the machine while it is in use).
- Using the longer electrical cord attached to the top, plug into the outlet.
- Fill the tank with water until you reach the water level mark (on the side closest to the ball exit region).



- Keep this User Guide near the ball washer and have every staff that uses the ball washer review the guide.
- Note your purchase date here: \_\_\_\_\_ so that you can properly monitor maintenance schedules (noted below).

## Directions For Use:

- Be sure the ball washer's electrical cords are configured according to the setup instructions (above) and the top is in the closed position; this is an important safety feature.
- Turn on your ball washer using the toggle switch.
- Dump your basket of range balls into the top of the ball washer slowly releasing balls beginning at the entry region and continuing to dump toward the highest point of the top (toward the exit end).
- Place a basket at the ball exit region to capture cleaned golf balls.



## Tips & Maintenance:

- Always UNPLUG the ball washer from the electrical outlet (power) before performing any maintenance.
- When cleaning the ball washer, DO NOT SPRAY WATER DIRECTLY ONTO THE MOTOR. This will damage and void the warranty of the motor.
- DO NOT use with oversize or damaged golf balls
- When pouring balls into the top, it is advised to pour towards the exit end of the ball washer (the highest point) to help prevent balls from pyramiding over the entrance of the spiral/brush area and allowing the bulk of the balls to roll toward the lower end of the hopper at the cleaning entry area along the guide-rails.

- It is advised to clean the ball washer of dirty water and debris every other day. Doing so will improve the cleaning ability of the ball washer and increase the life span of your ball washer. Always UNPLUG the ball washer from electrical power, before drawing or cleaning the ball washer.
- It is advised to change the brush and bearings every 12-18 months to maintain the cleaning power of the ball washer (longer if you are a seasonal facility).

### **Troubleshooting:**

- Over time, regular use of the ball washer may cause balls to “modify” the factory settings of the ball washer. Note – always UNPLUG the ball washer from the power outlet before performing any maintenance or troubleshooting.
  - If balls are becoming jammed through the spiral and not able to exit the ball washer; check the exit rails. Be sure the lower rails are adjusted to be touching the brush, so they do not interfere with balls exiting the machine. Be sure the upper rails allow sufficient clearance above the balls. The adjustment should only move the rail(s) 1/8-1/4 inch. Only adjust the rail that is causing the problem.
  - If balls are dropping into the tank, adjust the guide tabs in the entry shoot of the ball washer. There are two tabs in the entry shoot, they may need to be adjusted into the entry area if balls are dropping through and away from the entry area if balls are not feeding properly into the machine.
  - If you can't find an obstruction and balls are not flowing through the machine properly, depending upon the age of the machine, you may need to replace your brush (to help them feed through the machine), or after several years of use, you may need to replace the spiral of the ball washer.

- If you are hearing unusual squeaking noises from the ball washer, this can be an indicator of a variety of things; check the following:
  - You may have the belt too tight, causing strain on the motor and bearings.
  - Your bearings may need to be replaced.
  - If you have tried both of these solutions and the noise continues, this is an indication your motor may need replacing.
- If balls are not getting as clean as they once were, you may need to replace the brush. When you replace the brush, we recommend you replace the bearings, pulleys, and belt at the same time. Be sure not to tighten the belt too tight after replacement (you should be able to pinch it with your finger and thumb and observe 1.5 – 2 inches of give).
- NEVER use any corrosive chemicals in the ball washer; this will void the warranty and cause the protective coating of the ball washer to be stripped and will cause premature rust.

**For Additional Questions/ Concerns please contact David Golf**

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