

# **ECONODUNKER**

## **Set-up/Safety**

### **Instructions**



**1 800 637-3656 ~ [www.twisterdisplay.com](http://www.twisterdisplay.com)**

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## ***Packing List***

<b><u>Description</u></b>	<b><u>Quantity</u></b>
Canvas (Vinyl)	1
Dunking Tank Unit	1
Protective Cage	1
10" Target	1
6" Target	1
Target Arm	1
Dunk Tank Balls	12
Ball Bungees	32
Wing	1
Carriage Bolts 1/4"	8
Lock Washers 1/4"	8
Flat Washers 1/4"	8
Nuts 1/4"	8
Tires	2
5/8" x 6" Tire Bolts	2
5/8" Flat Washer	2
5/8" Lock Nut	2

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## ***Initial Assembly***

1. Remove all packing, and remove unit from pallet.  
NOTE: Trailer and tank are one unit, do not try to separate!

2. Remove cage from front of tank. Turn cage over and line the holes in the cage with the holes along the top of the tank. Drop a 1/4" carriage bolt through each hole.

Then put on a flat washer, lock washer, and nut and

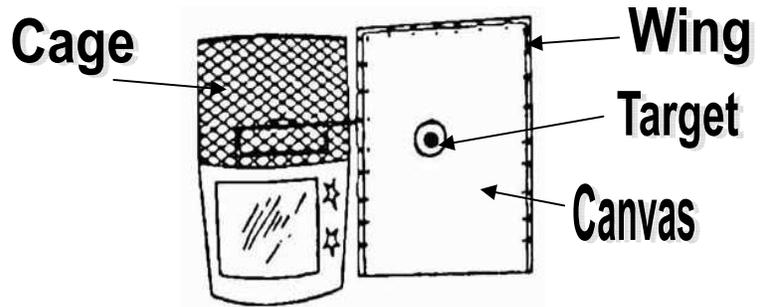
tighten down. NOTE: Start at one end of the cage and work your way around to the other end.

3. Place the unit on a level surface. Put the wing perpendicular to the dunk tank (extending from the side of the frame.) There are two brackets on the side of the wing. Loosen the bottom one only so that it can be moved up and down the pipe. Protruding from the side of the frame are two posts (one pointing up and one pointing down). Insert the top one into the top wing bracket. (You will need to lift the tank slightly.) Drop the bottom bracket onto the bottom post. Make sure that the wing is in line with the frame, then tighten the bottom bracket.

4. Use the ball bungees to secure canvas to the wing.

5. Place the arm into the trigger mechanism. Put the other end through the hole in the canvas. Make sure the pin which is welded to the arm drops into the pivot point on the side of the frame. Insert the target onto the end of the arm and tighten. With your hand "test" the target to see that it works properly.

6. Insert the 5/8" x 6" bolt into the tire tube (at the bottom of the frame). Place the flat washer onto the bolt, followed by the tire and lock nut on the outside and tighten. Repeat on the other side.



# **ECONODUNKER**

## **Operating Instructions**

### **SET UP**

1. Select a level area for set up.
2. Slowly lift up and set tank upright. (Be careful not to drop tank onto its bottom.)
3. Swing wing out into position. NOTE: The wing MUST BE STRAIGHT out from the tank frame. If it is at an angle the trigger will not work properly. Lower the two stabilizing rods on the bottom of the wing so the wind does not move it as this will cause the target arm to jam.
4. Check drain plug to make sure it is tight and then fill tank to the top with water (approx. 500 gallons).
5. Place arm into the trigger mechanism. Put the other end through the hole in the canvas. Make sure the arm pin drops into the pivot point on the side of the frame. Insert the target into the threaded end of the arm turn to tighten.
6. With you hand “test” the target to see that it works properly. Check to ensure that the seat latch is engaging properly.
7. REVIEW SAFETY RULES WITH ALL PARTICIPANTS!

### **OPERATION**

1. Check to see that seat is properly locked and is released when the target is pressed. Be sure to show this operation to the person who will be on the tank as they will need to know how to reset the seat and trigger mechanism each time it is released, before they get back onto the seat. Instruct them to use the grip handles for support when climbing up out of the tank. Also, be sure instruct the dunkee on the proper use of the seat safety latch, which is located behind the seat, to keep it secure until they are ready to be dunked.

Please remind the dunkee to keep their hands on their knees and sit forward on the seat.

2. Use **ONLY** the balls that came with the *EASY DUNKER*.
3. Monitor water level to keep it full.

### **TAKE DOWN**

1. As soon as you are finished using the dunker, open the drain and let the tank empty.
2. Fold wing in against the side of the unit and securely tie off. (Tie a second safety rope to hold wing frame against tank.) Then slowly tilt tank back onto its wheels.
3. Place seat in its “up” position and lock.

### **MAINTENANCE**

1. Periodically, check tank and trailer frame for any sharp edges.
2. Check seat hinges and bolts to be sure that they are solid and secure.
3. Check the wiring for the break lights for any cuts or crimps.

# ***Easy Dunker / EconoDunker Maintenance***

For both ***Easy Dunkers*** & ***EconoDunkers***...

- Periodically, check tank and frame for any sharp edges.
- Check seat hinges, bolts and seat spring to be sure that they are solid and secure. Replace if they show signs of wear.
- Replace any parts that show signs of wear.
- **Do not use Windex** (or any other ammonia-based product) on the dunk tank window. Windows can be easily cleaned using a sponge or cotton cloth, warm water, and a mild dish detergent. The window should be rinsed with cold water and dried with a cotton cloth to reduce water spots. In rare instances in which soap and water are insufficient, the following agents may be used (at room temperature): methyl alcohol, ethyl alcohol, isopropyl alcohol, heptane, hexane, petroleum ether, VM&P naphtha.
- **Do not replace window with Plexiglass.** Note: We have replacement window kits available. If you find it necessary to replace a window, be sure to only use an impact resistant polycarbonate. Anything else will burst on impact, resulting in a dangerous situation.

For ***Easy Dunkers*** (with trailer) only....

- ♦ Check the wiring for the brake lights for any cuts or crimps.
- ♦ Always check brake lights and turns signals, before towing.
- ♦ Check the rope to hold wing frame against tank for wear.
- ♦ Check safety chain and BOTH tongue pins.
- ♦ Replace any parts that show signs of wear.



# **ECONODUNKER**

## ***Safety Rules***



- ◆ Easy Dunker must always have an adult operator on duty when in use.
- ◆ When tank is going to be unattended, always drain water. NEVER LEAVE A DUNK TANK FILLED WITH WATER UN-ATTENDED!
- ◆ Cordon off a “danger zone” in front of, to the sides of, and behind the tank. Keep people out of the zone to avoid getting hit by an errant or deflected throw. Children should never be allowed inside this “danger zone.”
- ◆ Never place the dunk tank on a platform or stage. (NOTE: When filled the dunk tank weighs over 4,500 pounds.)
- ◆ Keep Easy Dunker away from electricity.
- ◆ Keep water level filled to at least 8” from the top of the tank.
- ◆ Only one person at a time should be allowed on the seat or in the tank.
- ◆ Keep all non-swimmers, anyone less than 5’ tall, or over 250 pounds off of the tank.
- ◆ Anyone with medical conditions which may place limitations on their physical exertion (such as, but not limited to: heart condition, pregnancy, back injury, etc.) should stay off of the dunk tank.
- ◆ To keep from slipping, the dunkee must always wear rubber sole shoes.
- ◆ Before (and each time) the dunkee climbs onto the seat, they must first make sure the seat is securely locked in place and that the safety latch is engaged.
- ◆ The dunkee should use the handles to assist in climbing out of the tank and for getting back up onto the seat after being dunked. However, the dunkee must not hold onto the handles while being dunked.
- ◆ The dunkee must move toward the front of the tank when coming up out of the water to avoid hitting their head on the seat.
- ◆ Never use hard balls.
- ◆ Never stand on seat.
- ◆ When being dunked, the dunkee must keep hands on knees and sit forward on the seat.
- ◆ Do not allow anyone to hit target with hands.
- ◆ Do not operate Easy Dunker during a storm.

***Be sure to have all dunk tank operators and all “dunkees” read and initial ALL safety rules.***

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I have read and agree to comply with all of the above safety rules.

Signed: \_\_\_\_\_ Date: \_\_\_\_/\_\_\_\_/\_\_\_\_