



FISH FEEDER ASSEMBLY
INSTRUCTIONS
FDR0084

INCLUDED PARTS

1) Hopper Assembly including Lid
(3 Pieces)

Poly Barrel Lid

Poly Barrel Upper

Poly Barrel Funnel

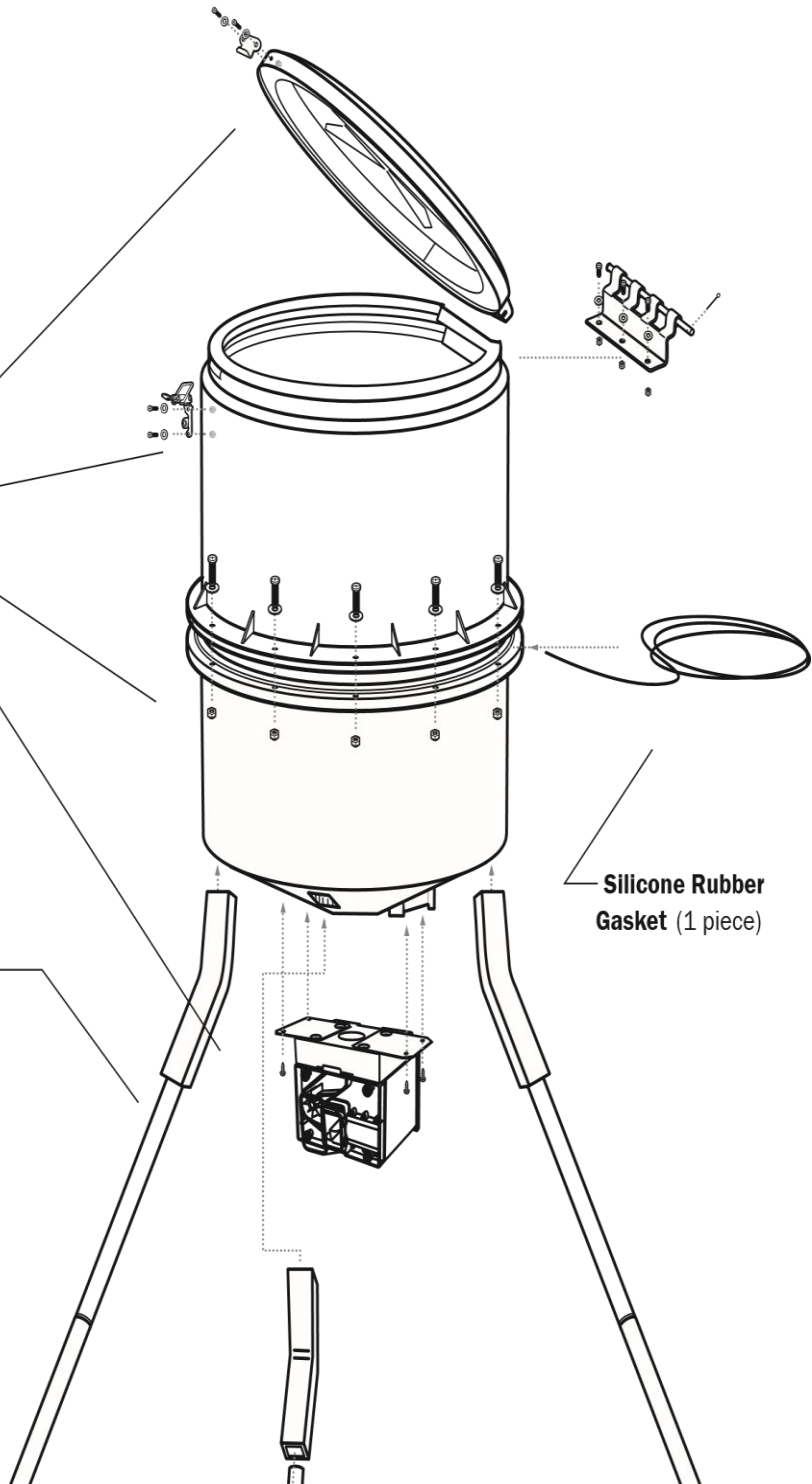
2) Directional Power Control Unit -

assembly and programming instructions for this unit are contained within its box (1 piece)

3) Leg Kit

Poly Barrel Leg/
Hardware/Bolt Kit

Silicone Rubber Gasket (1 piece)





THANK YOU! For your purchase of the 30 gallon programmable feeder that can be used as a fish feeder, game feeder or both. Outdoor Water Solutions has worked hard to design one of the best fish and game feeders on the market today. Please read this sheet before assembling your unit. If you should have any questions about this or any other Outdoor Water Solutions product, please contact us at (1-866-471-1614).

Parts included with fish feeder:

Poly barrel upper tank
Poly barrel lower tank
Poly barrel lid with hardware
Directional power control unit
6 volt rechargeable battery
Solar panel with mounting bracket
Poly barrel tank gasket
Fasteners

Fish feeder leg kit:

12-Barrel Legs
3-Square barrel leg connector
3- Leg foot pad

Tools needed for assembly:

Hand drill
Small hammer
5/16 nut driver (self-tapping screws)
1/8" drill bit



Step 1: Opening fish feeder box and check contents

Verify the contents of the package against the included parts list. If you are missing any parts from the list, please contact OWS immediately at the toll-free number provided.

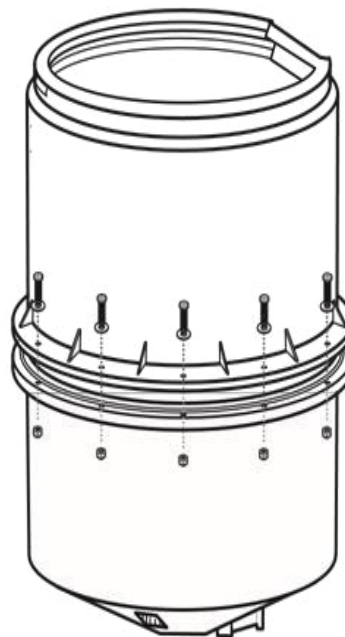
Step 2: *Install gasket and attach poly barrel top and bottom*

Insert poly barrel gasket into groove around lower poly tank. May need to cut any excess gasket. (Figure 1). Once gasket is installed place top barrel into bottom barrel. Insert one Phillips head screw into top poly barrel to align bottom and top poly barrels. (Figure 2). After top and bottom poly barrels are aligned attach the additional nine screws into place. Once all 10 screws are in place tighten nuts to screws securing top and bottom poly tanks. NOTE: If you are having trouble installing the gasket to stay in place, you can secure the gasket by several short pieces of tape.

Figure #1



Figure #2



Step #2: Attaching Lid to top barrel

Place the lid on the top barrel and align the hinge knuckles on the lid between the knuckles on the metal hinge. When properly aligned, you can see all the way through the combined holes. Install bolts, washers and nuts to secure hinge onto poly barrel. Locate the hinge pole and slide horizontally through the holes. Once hinge pole is all the way through, locate the cotter pin and install it in the hole at the end of the hinge pole and bend it to secure it in position. (Figure #5+5B) The lid is now installed

Figure #3



Figure #4



Figure #5



Figure #3B

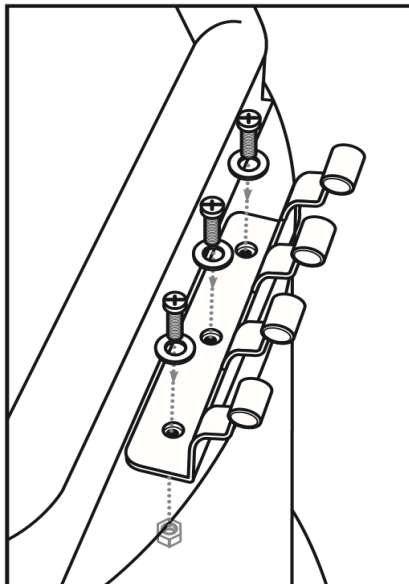


Figure #4B

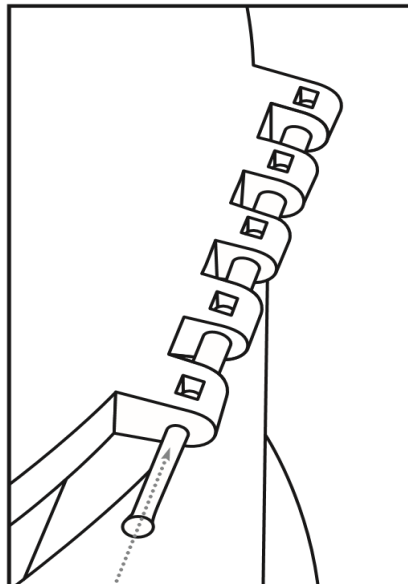
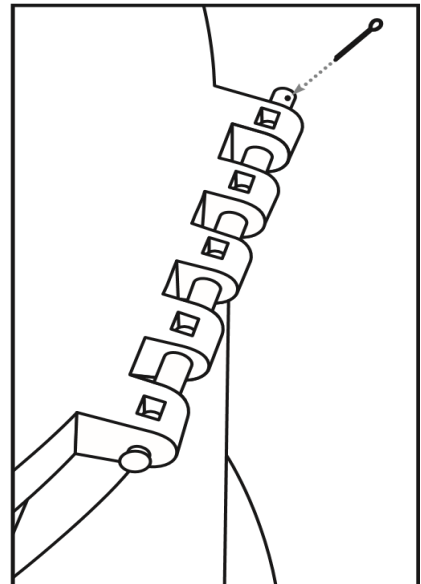


Figure #5B





Step #3 *Installing locking hinge to top poly barrel tank and lid*

Close the lid and then locate the latch and striker. First, take the striker portion and install it onto the lid with the j-lip facing upward. These holes are already in place on the lid so install the 5/32" x 15/32" Bolts and the 5/32" Washers with the heads on the outside of the hopper and the threads facing into the hopper. Next, place the 5/32" Nylon Lock Nuts on the bolts and tighten securely. Locate the two (2) smooth marked spots on the hopper piece. The smooth spots align vertically on the outside surface just underneath the top lip. You may have to look closely to locate the markings as they may not be real obvious. Once located, take your cordless drill and a 5/32" drill bit and drill out the two (2) holes where the markings are located (See figure 6). Now take the latch and make sure that it is in the closed position (not extended); lay the latch portion over the j-lip to align the latch on the hopper. Now open the latch and take two (2) 5/32" x 15/32" bolts, washer and nylon lock nuts and secure the latch side into place using the two mounting holes that were just drilled. Make sure that the latch is properly aligned with the striker so when the lid is closed it locks properly. (Figure 10)

DO NOT OVER TIGHTEN AS STRIPPING MAY OCCUR

Figure #6

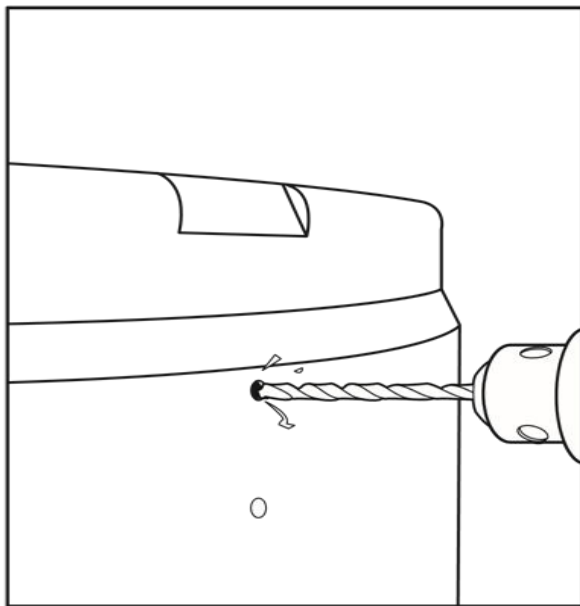
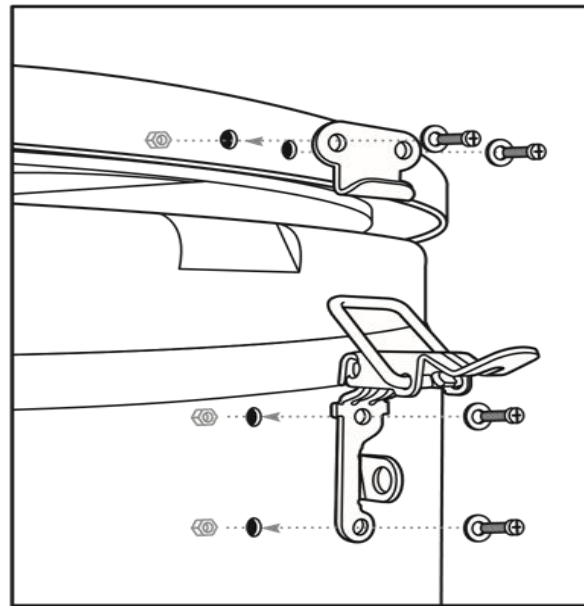
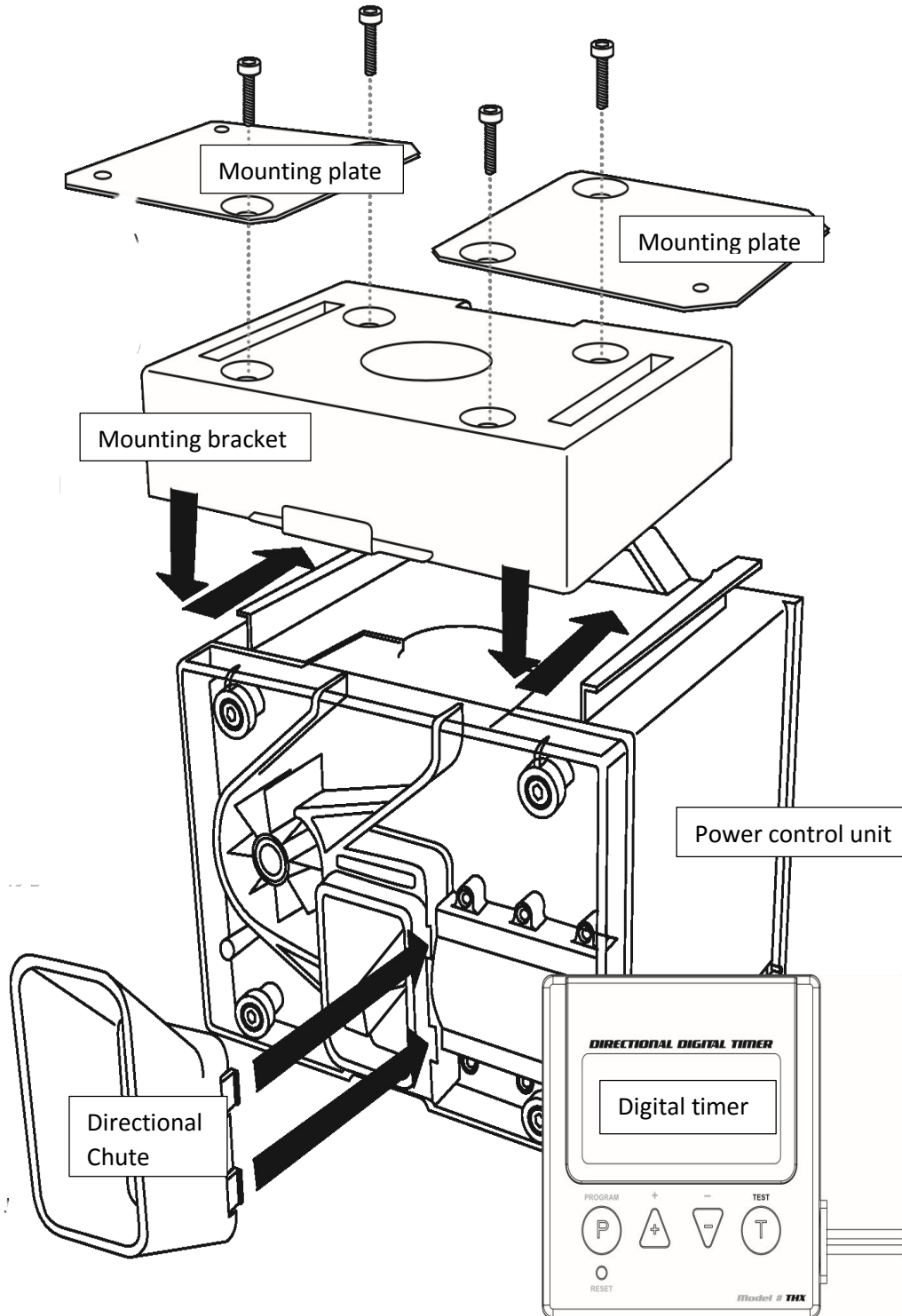


Figure #7





Directional Feeder System Installation



Outdoor Water Solutions
2300 S. Old Missouri Rd, Springdale, AR 72764
866-471-1614

www.outdoorwatersolutions.com



Step 4: *Installing directional feeder top plates to mounting bracket and installing onto bottom of lower poly tank*

Remove mounting bracket from power control unit by sliding from back to front (clear window) of power control unit. Once mounting bracket is removed from power control unit, mounting plates need to be attached to top of mounting bracket.

Figure #8

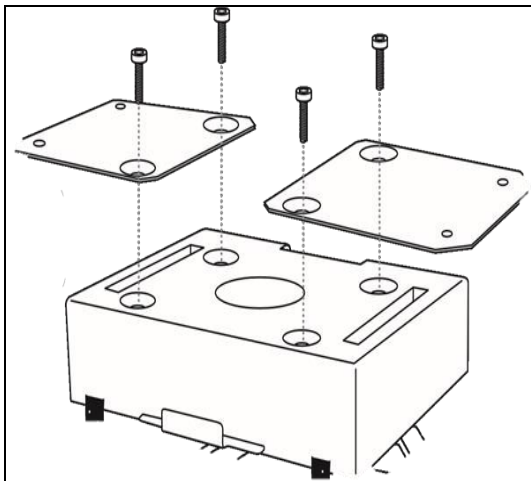


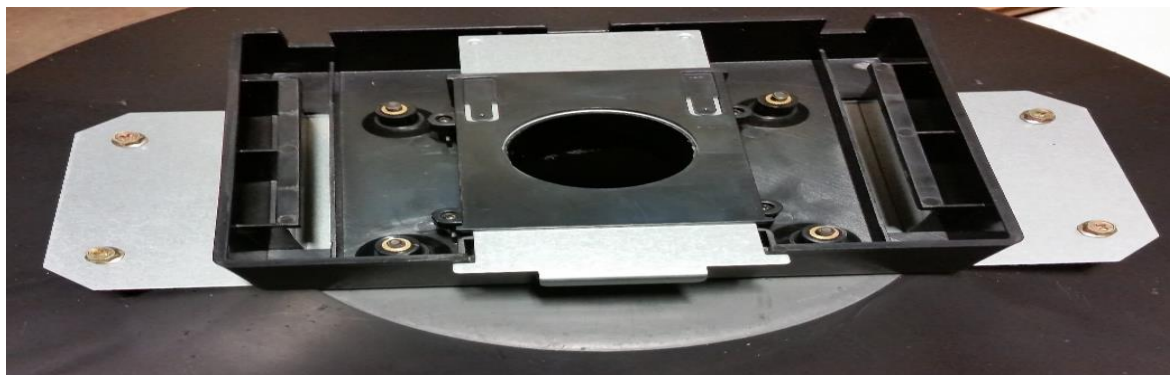
Figure #9



Step :5 Attaching mounting bracket with top plates to lower poly barrel

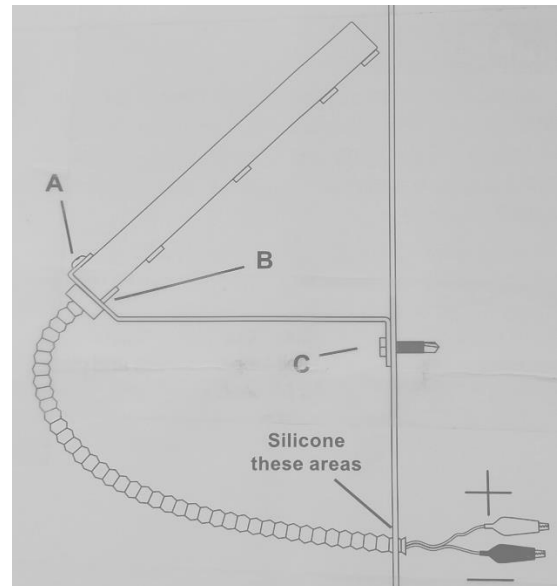
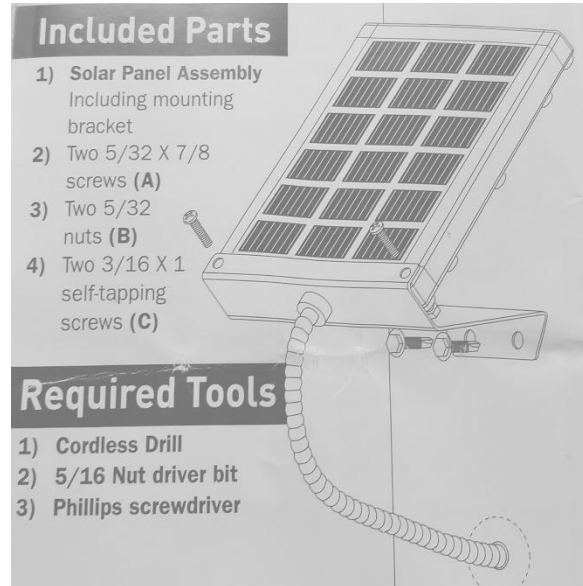
Position mounting bracket over the center hole on lower tank making sure predrilled holes are aligned to outside larger predrilled holes. Install the four #8 x 3/4" screws into each of the four mounting holes on the lower poly tank and tighten. (Figure 10)

Figure #10





Step #6 Installing 6-volt solar panel



Additional Required tool: 3/8" drill bit. Carefully remove solar panel assembly from box. Once removed from package choose a mounting location on the poly barrel. Tilt the solar panel upward to properly align with mounting bracket. Insert the (A) screws into each hole with the heads facing upward. Place the nuts in the recessed cavities on the back side of the solar panel and begin to tighten accordingly. Remember not to tighten too much as you may crack the plastic housing. Once the unit is mounted run the wire leads thru one of the holes located in the back of the control box. Once the terminals have been laced through the holes, place a bead of silicone around the holes thus closing the gap to insure a watertight seal. You may apply silicone sealant around both the inside and outside for additional protection.

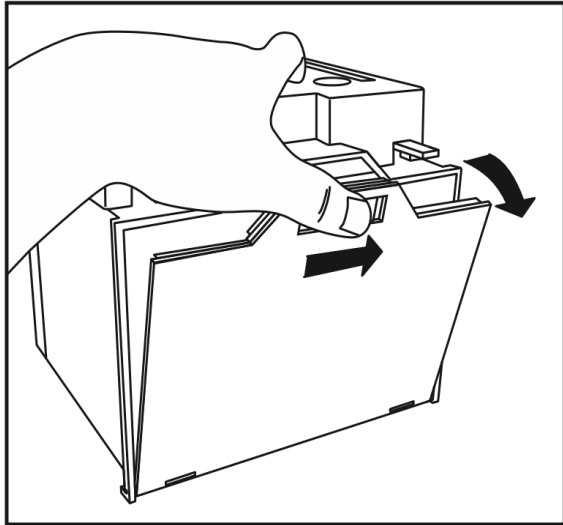
Step #7

Finally, align the solar panel mounting bracket holes along the wall of either your directional power unit or the hopper. (Your choice on mounting position) Make sure the panel is facing south to direct sun before mounting. Once position is obtained use two self-tapping screws and proceed to tighten securely with cordless drill and correct nut driver.



Step 8: Open latch on power control unit

Figure #11



Step 9: Connecting electrical connections inside power control unit

Locate the motor wire harness that has four wires on it. Plug it in the receptacle located on the inside right hand side of the power control unit gently push into place. Attach the positive wire from the timer (white) to the positive wire from the motor (white) (Figure #12b) Locate and attach the timer (Blue) to negative wire from the motor (Blue) insure a tight fit. Attach 6 volt battery to the positive (White) and connect negative (Blue). Attach solar panel gator clips. (RED) positive clip from solar panel clips to male spade (RED) wire to battery. (Black) clip attaches to (black) male spade wire.

Figure#12

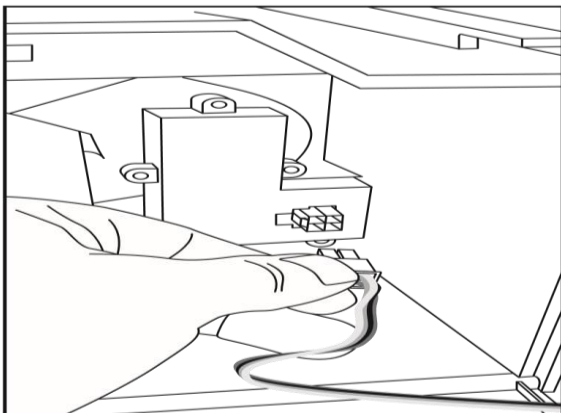
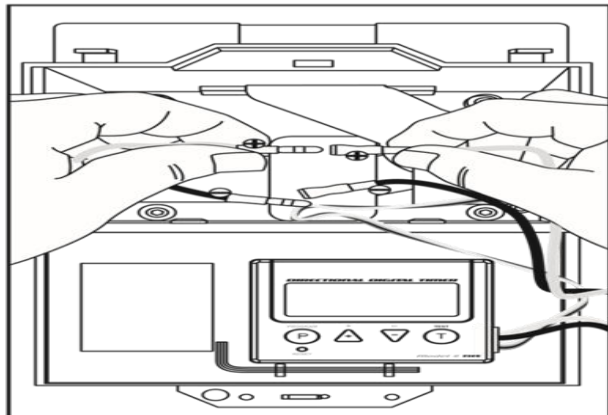


Figure #12b

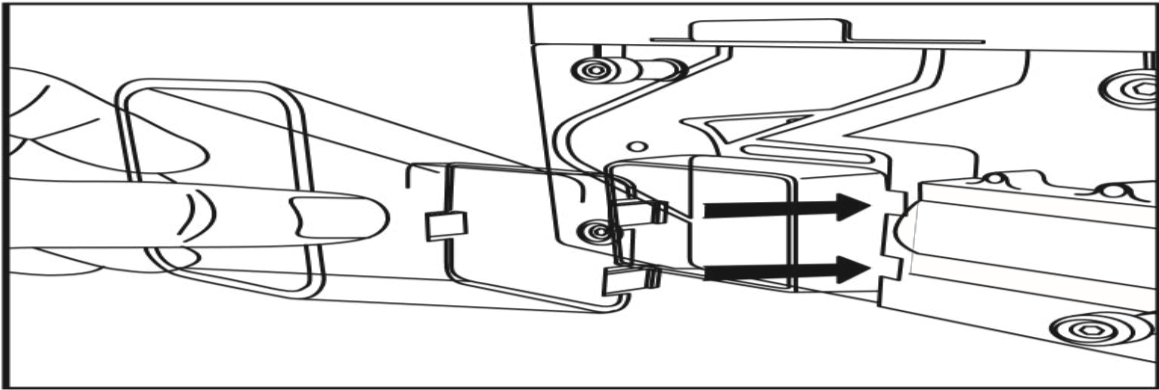




Step 10: Installing clear disbursement chute

Align the two ears on one side with the two holes located on the left hand side of the feeder chamber and snap into place.

Figure #13



After the latch is closed and lay the hopper on its side once the hopper is assembled. (Figure#14) Next, locate the square tubing stub leg kit (3 pieces) and unwrap. (Figure#15) Take one stub leg and locate the recessed cavities on the funnel portion of the hopper. Place the stub leg into any cavity so as it fits snug. Make sure that the stub leg is angled outward away from the hopper. Repeat this step for the remaining two stub legs. Note that there are three cavities in the hopper and it does not matter where you start. Connect the barrel legs to the height you have chosen. Once all legs are attached connect the leg foot pads to all three leg post. In hardware bag is self tapping screws that will need to be drilled into each connecting point of each leg. (See Figure #17)

Figure#14



Figure #15

Figure #16

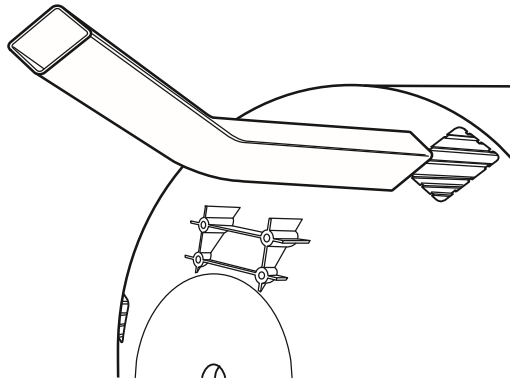


Figure #17



Step #11

Stand fish feeder mount on side of pond. Note: Ground leg mounts will need to anchor to ground.



Step #12 Timer controls and setting time

First, make sure that the timer unit is properly connected to the battery. Next press the ▲ button or program once from “READY” mode to enter the “CLOCK” mode. Press the program button again to enter the clock settings. Use the + or – buttons to set the desired hour, then press the program button and use the + or – buttons to adjust the minutes. After the time is set, wait for ten seconds for the unit to go back to “READY” mode automatically.

Step #13 Programming setting the feed time

Once you have set the current time, then use the ▲ button from “READY” mode to enter the appropriate feeding (Feed. 1 thru Feed 6). Once you have reached the proper feeding, press the program button to enter the feed time and use the instructions from the feed time, or to set in the “OFF” position.

Step #14 Set feed duration

Once the feed time is set, press the program button gain and use the + or – buttons to set the run time duration (adjustable from 0- 90 seconds per feed time). Once you complete programming a single feed cycle, press the program button again and use the ▲ button to enter the next feeding. After you have completed your programming, wait ten seconds to go back to “READY” mode automatically.

Step #15 Testing

To test the unit, press and release the “TEST” button. The unit will turn on after a 10 second delay, giving the user a chance to STEP BACK from the feeder. The test will run for the duration as set for the first feed time.

OPERATING INSTRUCTIONS

Outdoor Water Solutions
2300 S. Old Missouri Rd, Springdale, AR 72764
866-471-1614
www.outdoorwatersolutions.com



Once a suitable, level location for the feeder is identified and the unit is properly erected, open lid and fill container with feed/seed to desired capacity, never to exceed 300 lbs.

Once done, close the lid and lock the latch securely to insure it does not come off in the event of high winds, etc.

Each and every feeder design endures a rigorous field-test routine prior to coming to market, but no feeder can address all the environmental and feed type variations. With this being said, consider all the factors when operating this feeder and be sure to assess all of your environmental factors thoroughly.

GENERAL SAFETY

Always make sure that the unit is placed on level ground/surface and is level before you fill the hopper with any feed/seed. If the unit is not level and the hopper is full, you run the serious risk of the unit tipping over and causing harm to both you and the product itself. Always exercise caution and care when loading/filling the unit with feed material. Always protect your eyes from flying feed or seed. Please make sure that the unit is properly supported so there is no chance of anyone getting hurt.

SUGGESTED MAINTENANCE

To insure proper functionality and long life, we strongly recommend that you service your feeder at least once every year.

The Model # FDR0084 should have the hopper thoroughly cleaned out at least once a year. Some feed/seed types have tendency to cake and may build up over time, thus reducing the overall hopper capacity, clogging feed flow or generally interfering with the overall functionality of the feeder unit.

It is also important to check the bolts located at the hopper flange regularly to insure that they are securely tightened and have not come loose. With prolonged use in the field, animals and other forces may exert force against the feeder unit which may cause certain components of the feeder unit to loosen.

DISCLAIMER

Number and complete description of the problem on all enclosed correspondence. When possible, pack Outdoor Water Solutions is not responsible for product carefully in original carton. We are not damage, expense or injury caused by the unauthorized responsible for damage incurred in returning items use of, alterations to, improper connection of and for repair.