

# CONTROLLER REPLACEMENT



TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK, OR INJURY TO PERSONS, OBSERVE THE FOLLOWING:

**⚠ WARNING: ELECTRICAL SHOCK HAZARD.** Disconnect the power supply before performing any service or maintenance. Failure to do so may result in serious injury or death.

**⚠ WARNING:** Ensure casters are locked before performing any service or maintenance.

**⚠ CAUTION:** The Big Ass Fans product warranty will not cover equipment damage or failure that is caused by improper installation or use.

**📝 NOTE:** The number and location of internal electrical cables and zip ties varies by cooler and controller model. All configurations are not shown in these instructions. Big Ass Fans recommends taking reference pictures of the cooler's internal cable connections and zip tie locations before removing zip ties or disconnecting cables.

## 1. REMOVE COOLING MEDIA

Refer to the [Cooling Media Replacement Instructions](#) for details on removing and installing cooling media.

<https://bigassfans.com/docs/evap-coolers/cool-space-media-replacement.pdf>



## 2. DISCONNECT CABLES

Remove all zip ties and disconnect all electrical cables between the controller and the motor (*Fig. 2*).

*NOTE: Cool-Space® 350 with Standard Controller shown. Number and location of zip ties and cables varies by cooler and controller model. Big Ass Fans recommends taking reference pictures of the cooler's internal cable connections and zip tie locations before removing zip ties or disconnecting cables.*

*Fig. 2*



### 3. REMOVE CONTROLLER

Remove the four screws from front of controller (Fig. 3.1) and pull controller out of cooler housing (Fig. 3.2). **NOTE:** Cool-Space 350 with Standard Controller shown.



### 4. REPLACE PUMP BRACKET (FIRST-TIME DELUXE CONTROLLER INSTALLATIONS)



This step is applicable only if you are replacing a Standard Controller with a Deluxe Controller. Skip this step if you are replacing an old Standard Controller with a new Standard Controller or if you are replacing an old Deluxe Controller with a new Deluxe Controller. If a pump bracket is included in your controller kit and is not needed for your installation, it can be discarded.

If installing a Deluxe Controller for the first time, locate pump in bottom of cooler housing. Remove metal bracket from top of pump (two screws) (Fig. 4.1). Replace with provided bracket as shown using the same two screws (Fig. 4.2).

Fig. 4.1

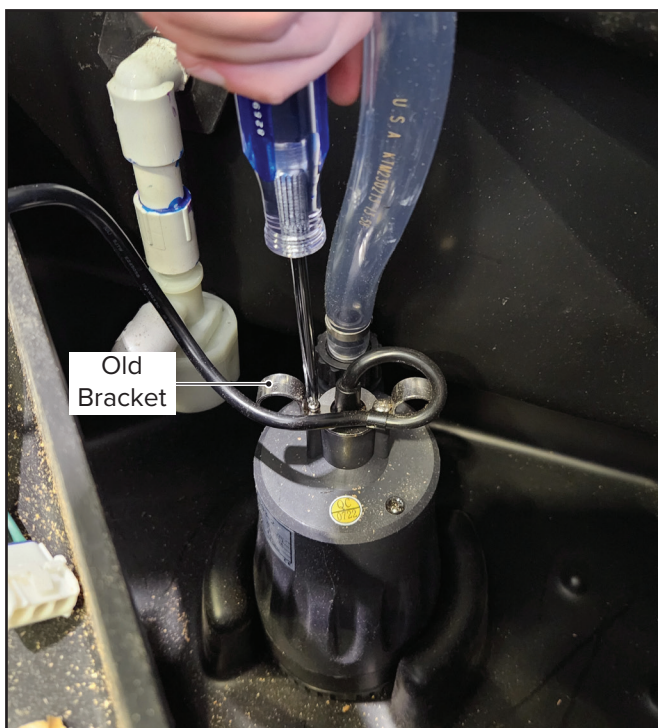
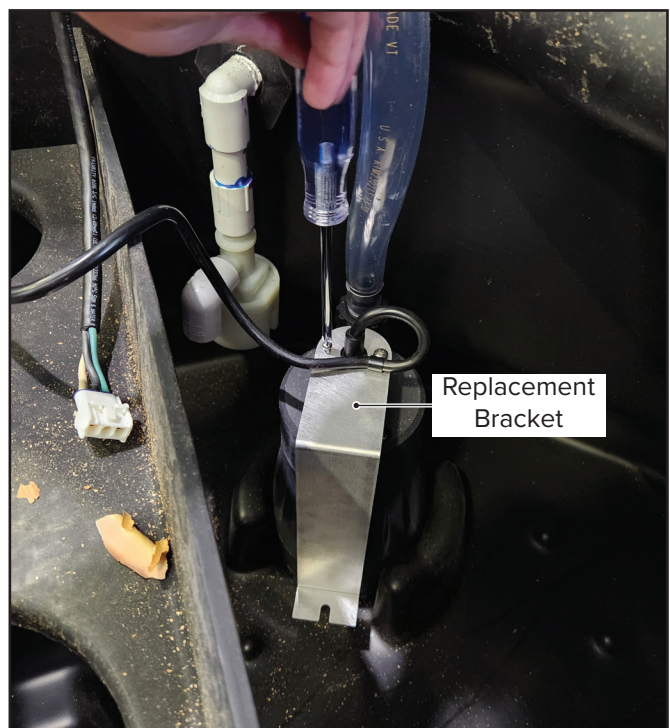


Fig. 4.2

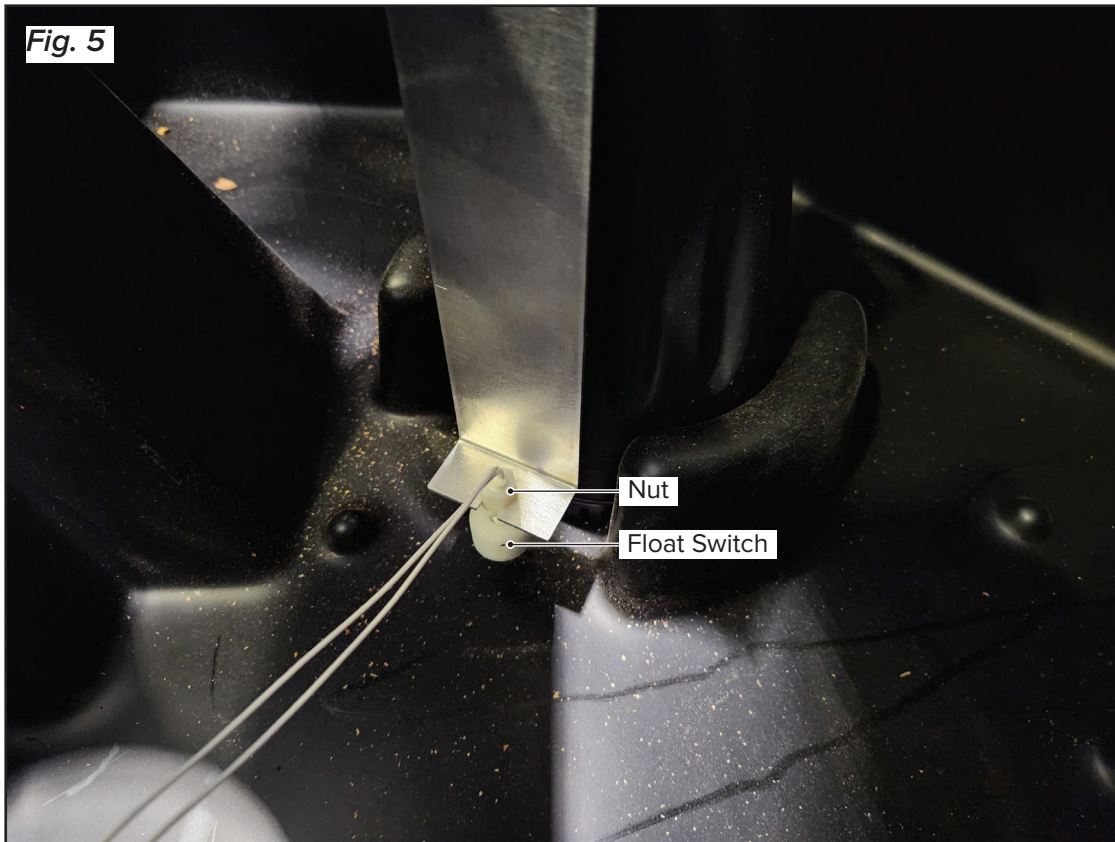


## 5. INSTALL FLOAT SWITCH (FIRST-TIME DELUXE CONTROLLER INSTALLATIONS)



This step is applicable only if you are replacing a Standard Controller with a Deluxe Controller. Skip this step if you are replacing an old Standard Controller with a new Standard Controller or if you are replacing an old Deluxe Controller with a new Deluxe Controller. If a float switch is included in your controller kit and is not needed for your installation, it can be discarded.

If installing a Deluxe Controller for the first time, install provided float switch into notch on pump bracket as shown (Fig. 5). Tighten nut.



## 6. INSTALL NEW CONTROLLER

Insert new controller into cooler housing (Fig. 6.1) and secure with the four provided screws (Fig. 6.2). **NOTE:** Cool-Space 350 with Standard Controller shown.



## 7. RECONNECT CABLES

Reconnect all electrical cables between the controller and the motor (Fig. 7.1). If installing a Deluxe Controller for the first time, connect new float switch cable to corresponding controller cable (Fig. 7.2).

**IMPORTANT:** Secure the cables with the provided zip ties in the same locations as the previous zip ties (Fig. 7.1). The zip ties ensure the cables are clear of the fan blades.

*NOTE: Cool-Space 350 with Standard Controller shown in Fig. 7.1. Number and location of zip ties and cables varies by cooler and controller model.*

Fig. 7.2

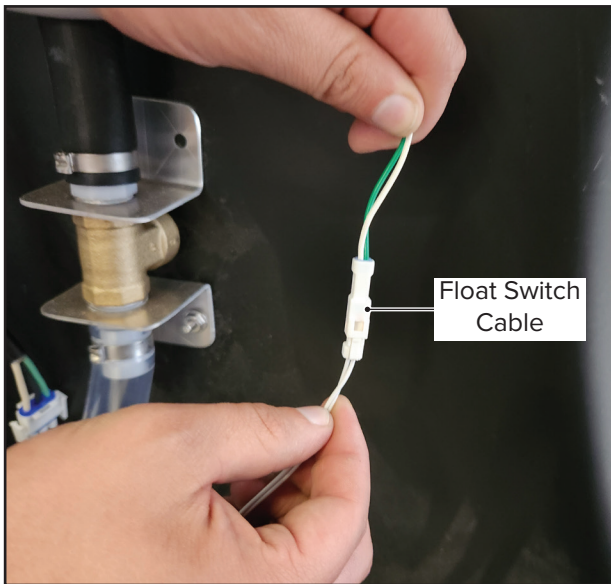
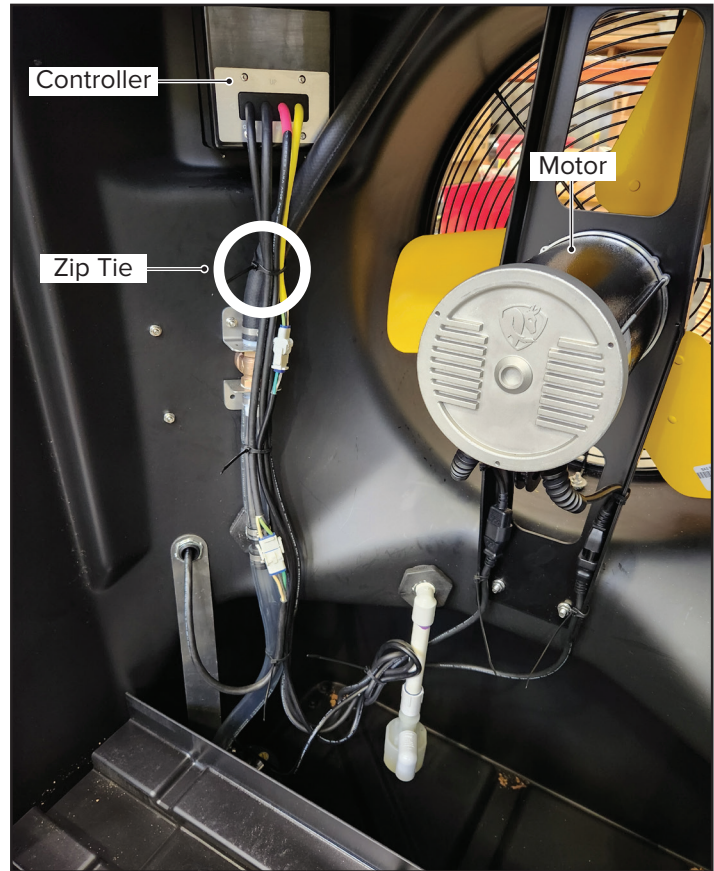


Fig. 7.1



## 8. REINSTALL COOLING MEDIA

Reinstall the cooling media according to the [Cooling Media Replacement Instructions](https://bigassfans.com/docs/evap-coolers/cool-space-media-replacement.pdf).

<https://bigassfans.com/docs/evap-coolers/cool-space-media-replacement.pdf>



# DELUXE CONTROLLER OPERATION

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## 1. Fill cooler

Connect one end of a garden hose to the water supply and the other end to the cooler's water supply inlet. Turn on the water supply. The water flow will automatically shut off when the cooler is full.

## 2. Plug in cooler

Plug the power cord into a fused or breaker-protected circuit.

## 3. Turn on pump

**Make sure the cooler's drain valve is fully closed.** Press the PUMP button on the control panel to turn on the pump.

## 4. Adjust water flow

Adjust the flow control valve until a visible flow of water trickles evenly down the cooling media. Make sure water is not splashing outside of the cooler.

## 5. Flush new cooling media

**Skip this step if you are not using new cooling media.**

When starting the cooler for the first time or after replacing the cooling media, run the pump for five hours without the fan running to flush the new media.

## 6. Start cooling

Press the COOL button on the control panel to turn on the fan and start cooling. Use the + and - buttons to adjust the fan speed to your preferred setting.

## 7. Shut down cooler

Press the OFF button on the control panel to turn off the fan and pump, and then press the DRY button. The fan will run for one hour to dry out the cooling media and will then turn off automatically. **Allow the cooling media to dry out completely once every 24 hours to prevent algae growth.**

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## Convenient control with the Big Ass Fans app



Download the Big Ass Fans mobile app to control your Cool-Space® from your mobile device. You can also view maintenance tips and monitor your cooler's water level, water treatment tablet status, and cooling media status.



# DELUXE CONTROLLER OPERATION

