



Big Dipper Automatic Grease Removal Device

Replacing Timer for Big Dipper 14000 Series Models

I. Before Beginning:

A. Gather the necessary items:



From Left to Right:

1. Drill with Phillips Screw Bit (Phillips head screwdriver may also be used)
2. New Timer
3. No. 2 Phillips Screwdriver
4. No. 1 Phillips Screwdriver
5. Needle Nose Pliers



B. Unplug Center Module and move to a location with adequate workspace.

II. Remove the Electrical Housing of the Center Module



- A. Remove the eight (8) screws in the housing. Two (2) in the front, one (1) on each side, and four (4) in the rear using the Drill or No. 2 Phillips Screwdriver.

Keep these screws for resealing the housing when you have replaced the timer.

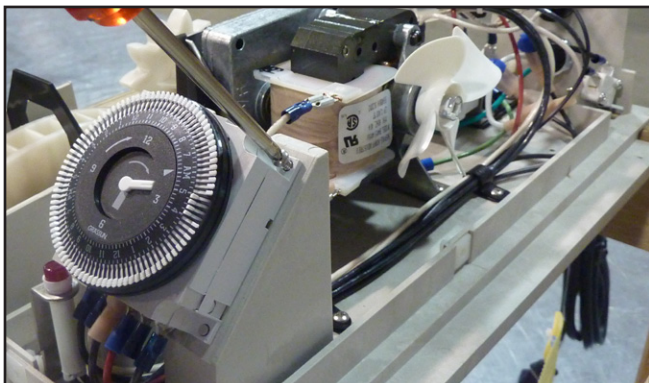


- B. Disconnect the Jog Switch (if present):
In order to completely separate the rear enclosure, you will need to disconnect the switch by squeezing the bottom of the white connector as shown above and pulling the connections apart.

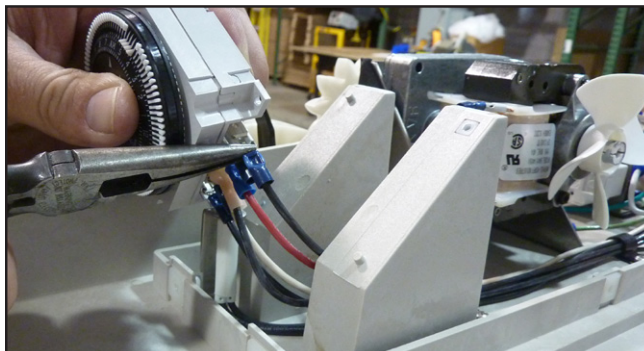


- C. Remove Front Enclosure
The front enclosure, the translucent covers can be lifted up and set aside.

III. Replacing the Current Timer



- A. Use the No. 1 Phillips Screwdriver to remove the screw on the upper right and lower left of the timer. Keep screws to attach new timer.



- B. Remove the five (5) quick-connects with wires using needle nose pliers.
Attempting to keep them in the correct order as you remove them will make connecting the new timer easier.

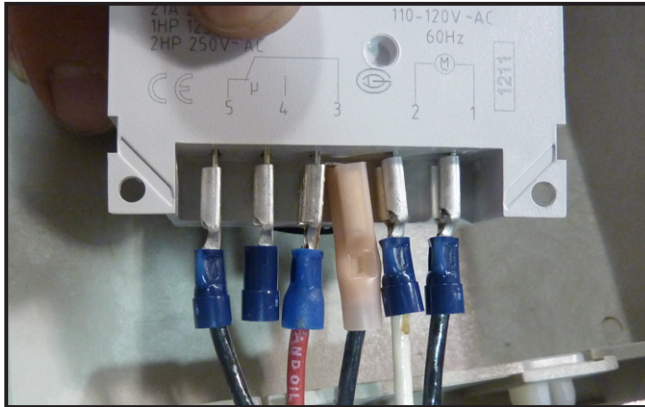


- C. Using the picture on the next page, reconnect the quick-connects to the new Timer. This numbered diagram is on the back of each timer.



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Position 1 (Far right) - Black Wire

There are two black wires, but it does not matter which one is placed here)

Position 2 (2nd from right) - White Wire

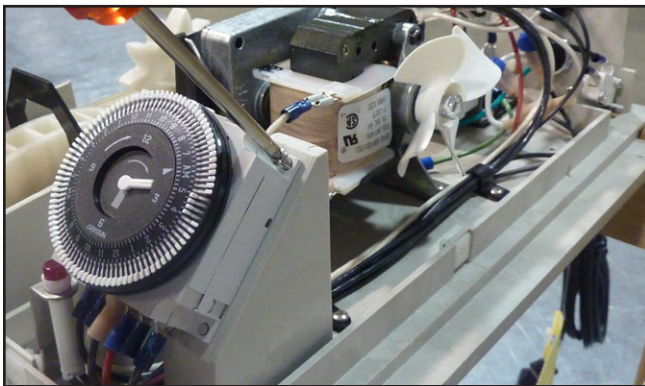
Position 3 (Middle connection) - Red Wire

The red wire has black wire attached to it. Leave this sitting in between positions 2 and 3.

Position 4 - Leave quick-connect in place

Position 5 (Far left) - Black Wire

There are two black wires, but it does not matter which one is placed here)

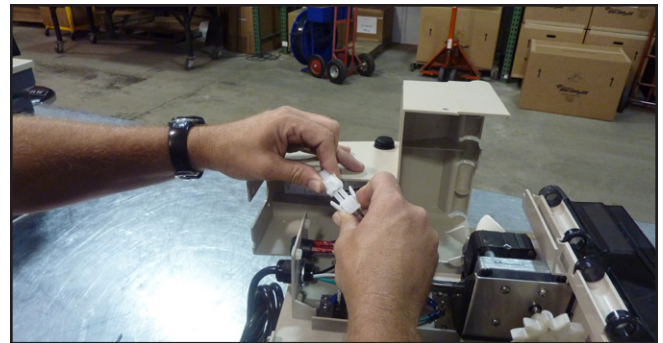


- D. Attach the new timer using the screws holding the original timer in place with the No. 1 Phillips Screwdriver.

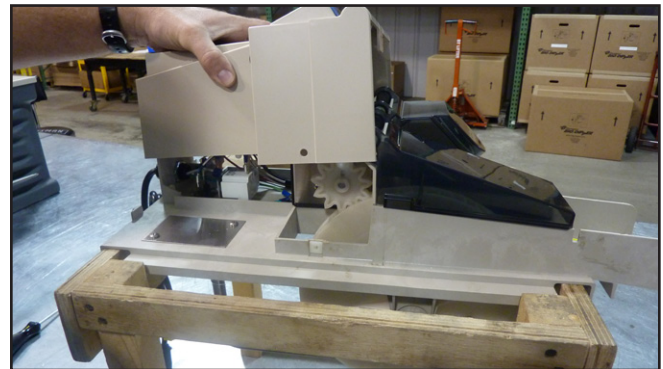
V. Replace the electrical housing



- A. Place the front enclosure and translucent covers back on the center module.



- B. Reconnect the Jog Switch using the white connections (if present).



- C. Place the rear enclosure over the rest of the center module.
- D. Replace the eight (8) screws in the housing. Two (2) in the front, one (1) on each side, and four (4) in the rear.