

# Part Manuals

000221 30-Minute Timer

## How to Replace a 30-Minute Timer

### Tools Needed

Flathead  
Screwdriver or  
1/4" Nut Driver1/2" Wrench,  
Nut Driver,  
or SocketWire Cutters &  
Wire StrippersElectrical Tape  
(optional)

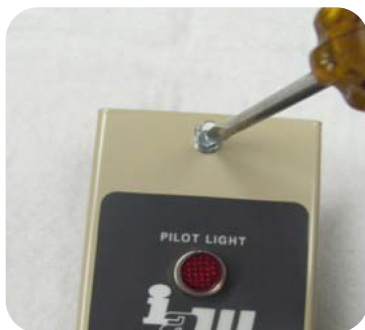
### Step One Turn off power at electrical entrance



**Please disconnect all power to the unit at service entrance  
BEFORE attempting to service or rewire the unit!**

### Step Two Unscrew electrical raceway

With electricity shut off at service entrance, begin removing electrical raceway from unit. Remove screws at the top and bottom of raceway with a flathead screwdriver. Gently pull raceway out of unit, being careful of wires that are still connected.



### Optional Completely remove electrical raceway

For ease of installation, completely remove the electrical raceway by disconnecting the electrical wires. Start by disconnecting the ground wire from the unit, then the main electrical supply wire. If your unit has a spotlight, you may also disconnect this wire.

**NOTE: Please carefully examine the wiring as you will need to reconnect these prior to re-installing your electrical raceway.**

### *Step Three* Remove timer knob & nut

Remove timer knob by gently prying it off the timer shaft using a flathead screwdriver. Using a nut driver, loosen and remove the timer nut from the threaded shaft.



### *Step Four* Loosen timer screws & clip terminals

Loosen the two screws holding the timer in place and remove all terminal wires. Remove old timer.

You will need to clip each terminal from the black wires for the pilot light, the electrical outlet, the spotlight (if you have one), and the long black wire from the cut-off switch.



### *Step Five* Strip insulation

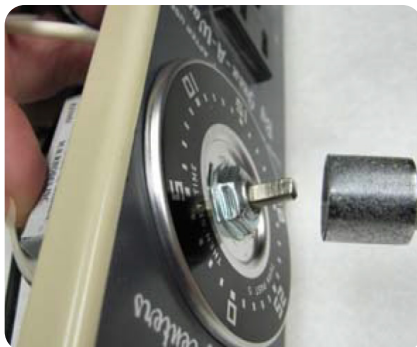
Using wire strippers, strip 1/2" insulation off of each of the previously clipped wires.



## Step Six Install new timer & dial

Place new timer shaft into hole with terminals pointing toward the electrical outlet.

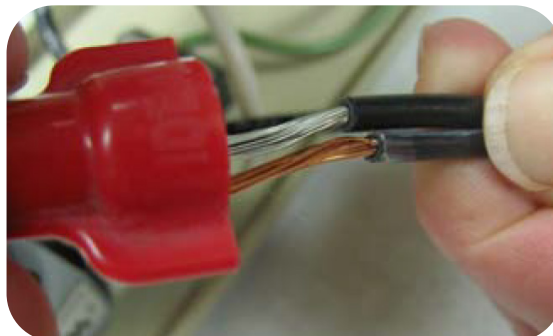
Add new timer dial on threaded shaft with "0" positioned towards pilot light on front of shaft. Screw timer nut on shaft and push timer knob back on.



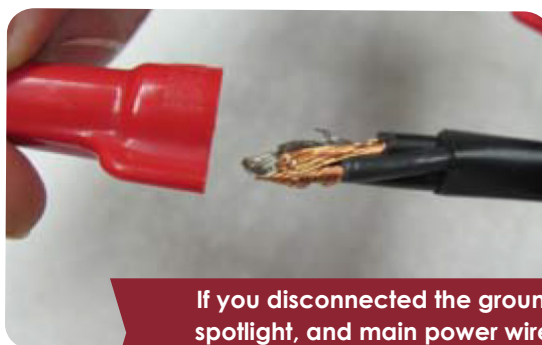
## Step Seven Connect timer

To connect the new timer, begin by pushing the 7" black wires with flag terminals onto each post of the new timer.

Next, connect the long black wire from the cut-off switch to the 7" black wire on the left post by placing the stripped ends together and twisting a wire nut on the end. Make sure wire nut is tight.



Place a piece of electrical tape around the ends of the black wires from the pilot light and electrical outlet (& spotlight, if applicable) to the 7" black wires on right post. Connect by twisting on wire nut.

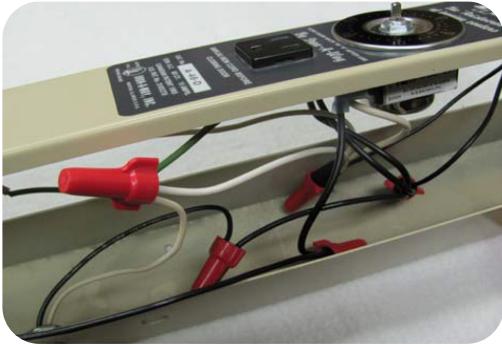


If you disconnected the ground, spotlight, and main power wires, reconnect those now.



## *Step Six*   **Replace electrical cover & restore power**

Being careful not to pinch any wires, replace the raceway to the unit. Replace top and bottom screws. After replacing raceway, restore power to unit.



*Installation Complete!*