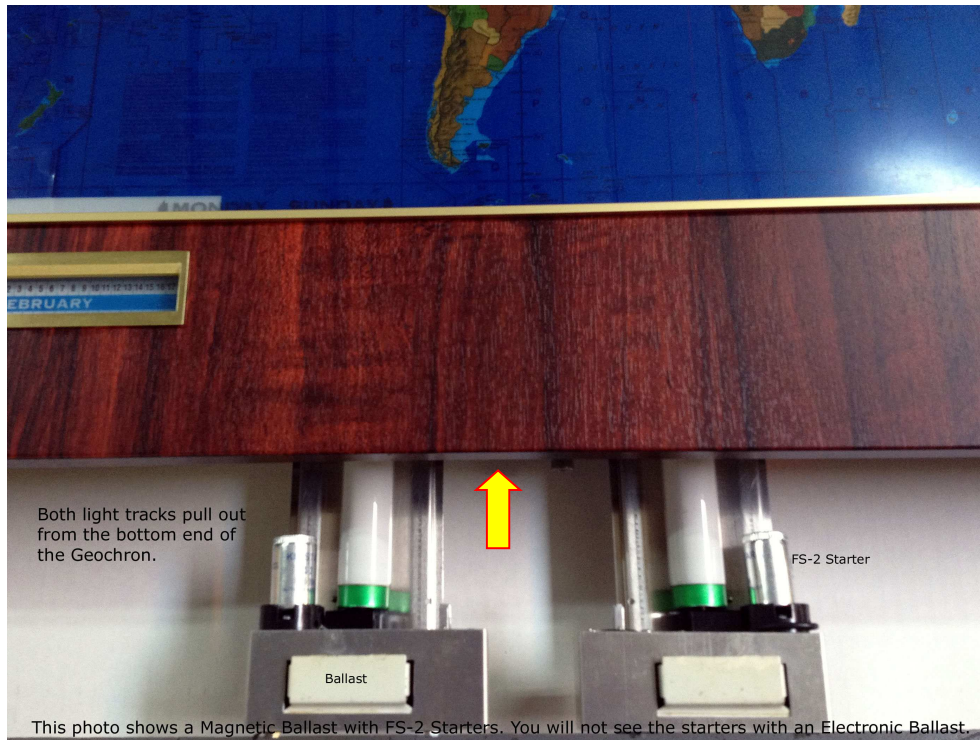


## Getting started: The basics

The fluorescent lights, starters and ballasts are accessible and replaceable without dismantling the unit. For easy replacement each set is incorporated in a drawer assembly (light track) which can be pulled out from the underside of the Geochron.

It requires pulling out the drawer assembly (light track) from the unit.



There are two types of ballasts that have been used in the Geochron. Before July 2010 magnetic ballasts were installed that required a FS-2 Starter. Beginning in July 2010 Geochron switched from magnetic to electronic ballasts. The reason for this was that the electronic ballasts last longer, are lightweight and generate less heat than their magnetic replacements. Additionally there is no flicker when the lights come on.

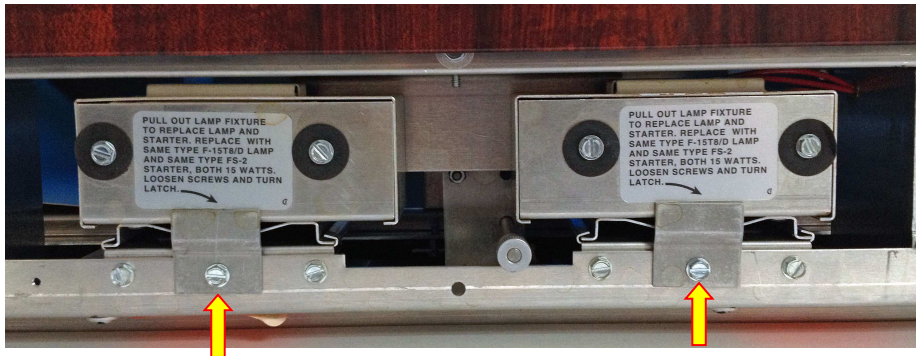
When changing the fluorescent lights with a magnetic ballast we recommend replacing the FS-2 starter at the same time.

Both the fluorescent lights #F15T8D (D stands for daylight) and the FS-2 starters can be purchased at most any home improvement store. If you cannot locate a store near you to purchase either item please call 1-800-342-1661 and a member of our team will be happy to help.

*Following are step by step instructions for changing the light bulbs.*

## Step One: Light Fixture Latch

- Light Fixture Latch: You will need to loosen the #6-32 HEX SCREW for each latch. A couple of turns with a 1/4" nut driver should be sufficient. The latch will then be able to turn off to the side so that the light tracks can be removed.



Light Fixture Latch with #6-32 Hex Screw

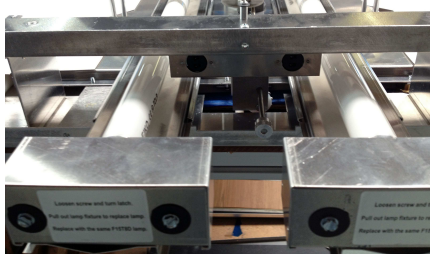
Light Fixture Latch with #6-32 Hex Screw



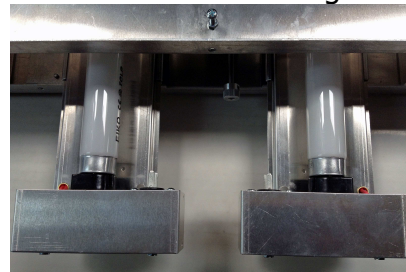
## Step Two: Remove Light Track

- Remove Light Track: Pull the light track straight out from the unit. They should remove easily. You may have to give it a slight tug but **do not use force** to remove the light track. It is similar to pulling a plug out of a light socket. Please note when you pull out the tracks that there is a left and a right. You will want to put the light tracks back into the unit the same way that they come out.

Left                      Right



Left                      Right



### Step Three: Replace the fluorescent lights

- Change the fluorescent lights: There are lamp holders, one at the top and one at the bottom of the light track. They have slots that the pins from the lights slide in and out from. The lights should slide straight out from the lamp holders. You should not have to turn/twist the light to get it out.
- It will be the same process to slide the new fluorescent lights in.



Two slots – two pins

- Change the FS-2 Starter: To remove the starter you will need to turn it counter clockwise and pull out. To replace the starter you will need to turn it clockwise to lock it in place. (This is only on units built before July 2010.)



### Step Four: Put Light Tracks Back in Unit

- Replace Light Track: Push the light track straight in to the unit. Remember to put the light tracks back just the way you took them out of the unit. Go back to photos under Remove Light Tracks. They should slide in easily. You may have to give it a slight push at the end but **do not use force** to replace the light track. It is similar to pushing a plug into a light socket.
- Light Fixture Latch: Turn the latch back into its original position. You will need to tighten the #6-32 HEX SCREW for each latch. A couple of turns with a ¼" nut driver should be sufficient. The latch will be firmly in place to hold the light tracks in place.

Turn the light switch on the Geochron and enjoy!