

Replacing the Lid on a Paragon Fusion Kiln

Remove the Old Lid

- 1) UNPLUG the kiln.
- 2) Remove the screws in the upper hinge-half on the old lid using a 1/4" nut driver.
- 3) Remove the screws from the switch box on the old lid. Pull the switch box away from the lid.
- 4) You will see lead wires that go from the conduit and switch box to the element connectors on the lid. If necessary, label the wires with pieces of tape, and sketch the element connectors so you will know where to connect the wires on the new lid. (You should also have a wiring diagram, which shows how the elements and wires are connected.) Using a 1/4" nut driver, remove the brass screws that hold the lead wires to the element connectors. Do not disturb the screws that hold the elements.
- 5) Make a sketch of the way the lock-in lid support brackets line up on the kiln and lid. Then remove the lid support bracket from the old lid using the 1/4" nut driver.
- 6) Remove the old lid from the kiln.

Install the New Lid

- 1) Place the new lid on the kiln. Line up the sides of the lid with the sides of the kiln.
- 2) Place a piece of 1/16"-thick cardboard under the lid near the hinge. (This will create a gap between the lid and body of the kiln. Heat expansion will close the gap during firing.)
- 3) Place the upper hinge-half against the lid. Move the upper hinge-half up and down. You will notice that there is about 1/8" of play in the hinge. That play must be in the lid after installation. With the upper hinge-half at the bottom of its play, mark screw holes in the lid for the hinge. (Use a black felt-tip pen.)
- 4) Drill holes for the hinge. Insert screws. Lift the lid at the hinge to make sure the lid has play.
- 5) Attach the wires to the element connectors. Tighten securely.
- 6) Install the switch box to the new lid.
- 7) Install the lid support bracket onto the new lid using the diagram you made that shows the alignment of the two lid support brackets.

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