

INSTRUCTIONS FOR INSTALLING ROPE SEAL AND PIPE FITTING

WARNING: THE FURNACE MUST BE COOL AND DISCONNECTED FROM THE POWER SOURCE BEFORE INSTALLATION.

PIPE FITTING

1. Drill a pilot hole from inside the chamber, through the center of the back wall and the element cover.
2. From the outside, increase the hole in the element cover to 1&1/2 inches, then remove the cover.
3. Increase the hole in the metal part of the back wall to 1&1/2 inches.
4. Increase the hole through the insulation and brick to 1 inch.
5. Using kaowool seal between the pipe fitting and the back wall, insert the pipe fitting into the hole in the back wall from the outside, then secure it in place with sheet metal screws.
6. Replace the element cover.

ROPE SEAL

1. Open the door to it's middle position (half open , arms parallel to the floor) support the door/counter weight assembly at both ends so the assembly can't move in either direction.
2. Carefully remove the upper short arms and lay the door back away from the chamber, brick side up. (the handle will limit the travel) , then support the outer end of the door. (It may be necessary to remove the element wiring from the door to complete this step.)
3. Mark lines on the brick door one and one half inches from the inside edge of the angle iron door frame on all four sides.
4. Using a router, cut a 3/4 inch wide groove 3/8 inch deep in the brick door along the inside edge of the scribed line.
5. Install the rope seal into the groove and secure in place using the U pins supplied, the pins are inserted through the rope seal into the brick and must be pushed in below the surface height of the rope seal.
6. Lift the door back to it's vertical position, reinstall the upper arms, reinstall the element wiring if necessary. remove the supports and lower the door to it's closed position. Push downward on the door handle to seat the new seal in the groove.
7. Next it is necessary to reposition the door limit switch trigger brackets on the bottom of the door. To do so remove the brackets from the door frame, then position them so they depress the limit switch plungers one half of the plunger travel then secure in place by drilling new screw holes.

When first fired the door seal will give off an odor and some smoke, this is normal and will dissipate.