



Figure 1

OVERVIEW

TheLin Gas, Pellet, and Wood heaters are finished with high temperature paint when properly cured provides years of service.

Properly curing the paint during initial fire is the single most important factor in establishing and preserving a long term finish.

Based on the initial curing process of 15 to 20 minutes, warming up on Low Setting, the stove body will heat and begin to cure the paint as a small amount of smoke is released.

If the unit is not turn off during this initial period and allowed to cool, the paint may become brittle and chip after many heat and cool cycles (**Figure 1**).

If chipping or flaking condition exists, then repainting the damaged area is the best action. Please review the following information and photos to assist in this process.

Items need for job: #120 and 200 Sand Paper, Blue Masking Tape, Clean Wiping Towels, Lacquer Thinner, Forrest Stove Brite Paint, and service letter guide.

Tools required: #2 Phillips screw driver, T-30 Torx Driver, other basic tools if removing unit from chimney.

Basic work area preparation: Most paint repairs are noted on the heater front area located left/right of casting and door. These areas represent the higher temperatures on pellet and gas units. The wood stove has highest temperatures in the upper portion. As a general rule if more than 25% of the surface area has to be repainted you may consider removing the stove from hearth. As noted in the photos, this unit was repaired on both the left and right front and was accomplished on a small surface (**Figure 2**).

Cover the area with tarp or paper to protect surfaces from sanding dust and paint over spray.

Removing covers and trim: Use care when remove parts required for proper sanding and painting (**Figure 2**). In this repair we removed the ash lip and rear heat shield.

Masking tape and protecting the adjoining surfaces: Use blue masking tape to protect adjoining surfaces from sand paper scratches and over spray. In this repair we taped the porcelain front face and lower nickel ring (**Figure 3**).

Sanding the chipped or flaking area: Remove the chips and flanking paint with 120 grit sand paper. Sanding to the base metal is only required where the chips or flakes have exposed metal. When paint is firmly attached to metal, the sanding action will only remove powdered paint. If

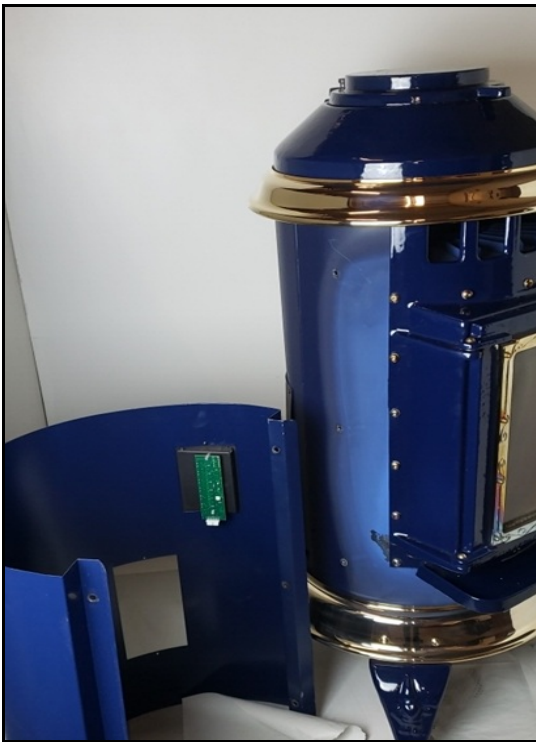


Figure 2



Figure 3

sanding brings off chips, continue to base metal (**Figure 4**). Once area is sanded it should resemble **Figure 3**.

NOTE: WHEN USING LACQUER THINNER MAKE SURE THE AREA IS WELL VENTILATED AND THERE IS NO OPEN FLAME. BOTH LACQUER THINNER AND SPRAY PAINT ARE HIGHLY FLAMMABLE.

Finish sanding and wipe down: Finish the sanding process with 200 grit paper feathering heavy edges. Wipe area with Lacquer Thinner several times to remove all dust and clean to bare steel (**Figure 4**).

PAINTING THE PREPARED SURFACE:

Spray Painting Basics: Shake spray can for several minutes after the ball inside can starts to make noise. Paint cans that have set for a longer period may require additional shaking.

Use a spare card board or paper to test the initial spray and confirm proper pattern with several short sprays at about 12" from the surface. Move the can slowly and evenly across while spraying short burst.

Proper high temperature paint application is smooth - thin coats that look slightly wet for 1 to 2 minutes (**Figure5**). Thick application of paint will cause lifting .

Paint dry time: After spraying the repair areas you should have a dull or satin finish that will require about an hour to dry for assembly. It is best to allow paint 24 hours to cure before firing the heater (**Figure 6**).

Reassemble unit and clean up area removing all combustible materials (**Figure 7**).

First Burn is the Most Important: Once completed and 24 hours has passed the first burn should be about 15 minutes long. Start the unit on "Low" setting and once the starts to warm shut it off and allow to completely cool before using.

Additional information is available on line:

<http://www.thelinco.com/customer-support/maintenance/index.php>
 Technical Customer Service - 775-241-2586 or tech@thelinco.com.



Figure 4



Figure 5



Figure 6



Figure 7