

**PF100/PB105 309 Stainless Steel Burnpot
Replacement Part #1-00-73560**

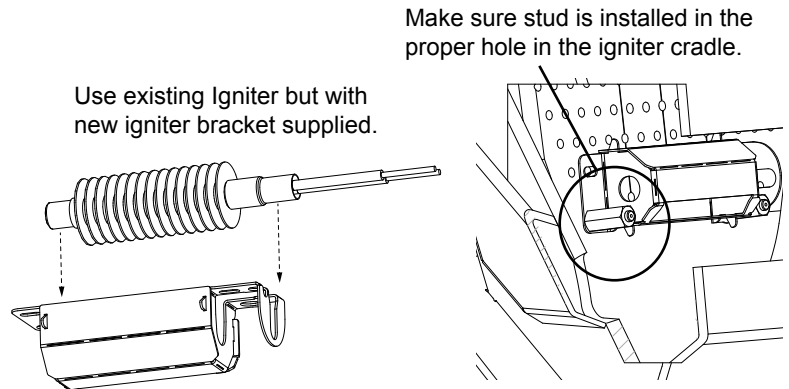


Tools Needed:

- Drill Gun w/5/16" Socket
- 3/8" Nut Driver
- 5/16" Nut Driver
- 1/2" Combination Wrench

Kit Contents:

- (1) Burn Pot Assy 1-10-73560
- (1) Igniter Bracket 2-00-247787
- (1) Ceramic Insert 3-20-05238
- (1) Ceramic Gasket 3-44-724115
- (2) Rod Couplings 3-31-08741



- When using on units with pressure ignition, igniter bracket is not necessary.
- When removing old burnpot take special care not to break the ceramic insert. However one is provided if needed.
- New Ceramic gasket is **VERY** fragile. **BE CAREFUL** while handling.

PLEASE NOTE: PF100 & PB105 early models with cartridge igniter will need new stainless steel bracket, see drawing above. Due to the igniter holes in this new burnpot being in a slightly different location than the older burnpots the unit start charge cycle (the length of time the feeder pushes pellets into the burnpot each time the unit tries to light) will need to be changed. See Dipswitch Chart Below (dipswitch 1, 2, 3).

Note: When using cartridge ignition; understand this, more pellets over the igniter holes is **NOT BETTER** then less pellets over the igniter holes. The proper amount will only cover the second row of holes from the bottom. Too much fuel during an ignition cycle takes longer to light, makes more smoke, and has a greater chance of having a post ignition violent ignition (this is when you here a loud pop or thud when the first flame becomes visible). Due to the fact that there were different auger motors and pusher arms used over the years we can not give you exact dipswitch settings. This must be experimented on your end.

Note: Due to the temperature differences from the center of the grate where the fire burns hottest and the outer edges, some minor deformation may be noticeable. It would be advisable to let the customers know so they don't think something is wrong. It doesn't affect the operation of the unit.

Dipswitch 1, 2, 3
off,off,off = Program Default
off,off,on = Program -21 sec.
off,on,off = Program -43 sec.
off,on,on = Program -64 sec.
on,off,off = Program +21 sec.
on,off,on = Program +43 sec.
on,on,off = Program +64 sec.
on,on,on = Program +85 sec.

NOTE: A connected DDM (Diagnostic Display Monitor) on power up will show an OFF as 0, and an ON as 1.
 Dipswitch # 1,2,3 control the ignition cycle "charge" (quantity of pellets augered into the burn pot on startup).*
 Dipswitch # 4 factory set OFF for power failure shutdown with in line (short term battery back-up, UPS)*
 Dipswitch # 5 is for ESP type. This switch will need to be OFF with any ESP other than RED.
 Dipswitch # 6 is for Room Sensor Differential. "ON" reduces the Diff. by 1 deg. F.
 Dipswitch # 6 is for BOILERS. "ON" when using atmospheric kit or high altitude installations. *
 Dipswitch # 7,8 set the MAX ESP temperature for specific models. (Set as shown above.)
 (Note: Be sure that all of these switch settings are set for the unit in which they are being installed) * See owners manual