



## For Model P61 Serial #6400 and lower

# 1-00-06400/P61Auto Ignition Kit Instructions

### Parts List:

(1)	1-10-05801	Burnpot w/ignitor	(1)	1-10-06691	P61A Pusher Arm
(1)	1-10-08327	Control Board Plate (w/ignitor hole)	(6)	3-40-69752	Tie Wraps
(1)	3-20-05886	Control Board	(1)	3-89-06504	Wiring Diagram
(1)	3-90-06100	Auto Ignite Label	(1)	3-90-05822	Manual
(1)	3-44-00409	Burnpot gasket	(1)	3-20-08767	Ignitor wires w/plug
(1)	2-00-06623	Cleanout cover	(2)	3-31-782108	Wingscrew 1/4 x 1/2
(3)	3-31-015	Control knob (for D-shaft)	(3)	3-31-605	Control knob D-shaft

Tools Required: 1/2" wrench, ratchet, 1/2" socket, 5/16" socket, phillips head screwdriver, and silicone.

- (1) Replace existing pusher arm with the one supplied in the kit.
- (2) Clean the burnpot and firebox to minimize dirt. Remove the ash pan to obtain access to the burnpot. Remove the flame guide from the burnpot. This will be used on the new one.
- (3) Using the 1/2" socket and wrench, remove the burnpot from the stove. For ease of removal, apply spray lubricant to the threads of the studs. Put lock washers and nuts to the side for use later. Scrape off any remaining gasket from the firebox wall.
- (4) Place the new burnpot gasket over the four studs making sure that the holes in the gasket line up with the opening for the auger and the combustion air opening.
- (5) On the new burnpot, pull the ignitor wires through the cleanout opening. These wires will be connected later. Place the burnpot over the four studs. Place the lock washers over the studs and tighten the nuts.
- (6) Using the phillips head screwdriver, remove the two screws that hold the control board mounting plate in place. Set screws aside to be used later. Angle the plate to remove from opening. From the back of the control board, disconnect the 11 pin white plug, the two wires from the thermostat extension, the plug from the feeder switch, and the plug from the thermister (ESP) probe. From the front of the control board, pull straight out on the knobs to remove. These knobs can be discarded.
- (7) Using the 5/16" socket, remove all back covers to gain access to the wiring. Remove approximately four tie wraps that may interfere with the routing of the ignitor wiring. Take note to how the wiring is tie wrapped. It must be tie wrapped again when the wiring is complete. Take the 11 pin plug from the wiring harness and insert the yellow wire from the new harness into slot #8. Slot #8 is directly next to the existing blue wire. When inserting the yellow wire, the barbed edge must be facing toward the side of the plug with holes. (See Fig. 1) If the unit has red probe wires, set dipswitch #5 on new board to on. If the probe wires are any other color, leave all dipswitches off. With the new board and mounting plate from kit, angle the plate into the opening and reconnect wires removed in Step 6. Mount the plate with the two phillips head screws.
- (8) On the back of the feeder, remove the black plug from the lower right-hand corner. If your feeder does not have a plug, you must drill a 1/2" hole 3/4" up from the bottom and 3/4" in from the right. This is where the wires pass through for the ignitor. (See Fig. 2)



Fig. 1

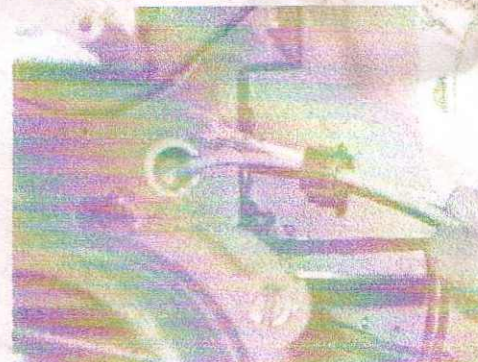


Fig. 2