

Technical Data Sheet

Installing Primary Air Shutter Sleeve on the Equinox 8000 Kit Number 90-86004

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Kit Components

5710-405: SLEEVE: .335"ODx.260"IDx .75"
4200-0340: NUT: PUSH,1/4",1/2"OD,BLK.OX

Tools Required:

3/8" Wrench or Socket
Hammer
Stubby Phillips Screwdriver
7/16" Wrench or Socket

Before You Begin: Work on a cool stove.

BE SURE TO ENGAGE PIN ON
SLIDER PLATE INTO THE SLOT
OF THE AIR CONTROL LEVER

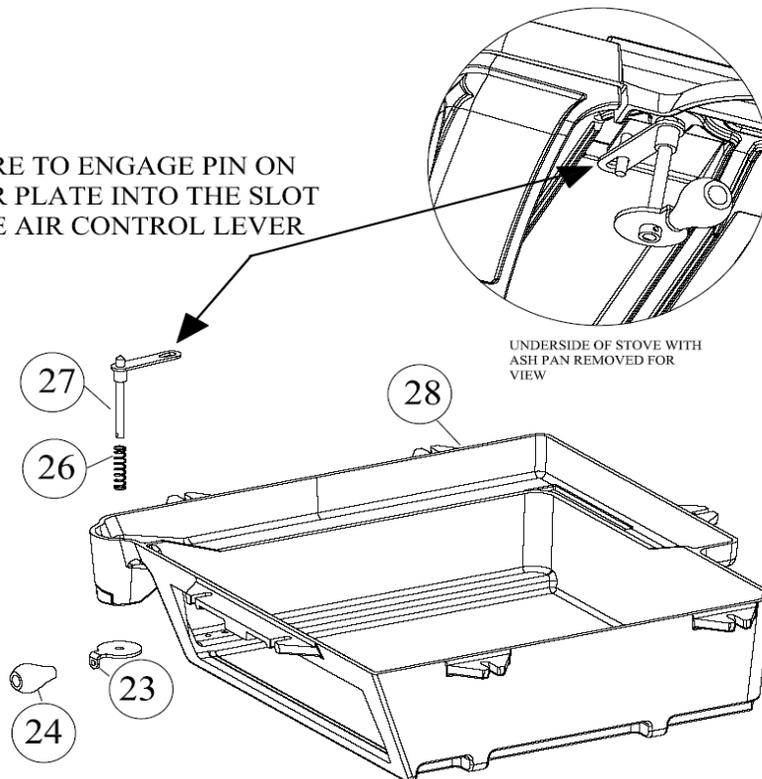


Illustration #1

The Ash Dump & Primary Air Handle Connection

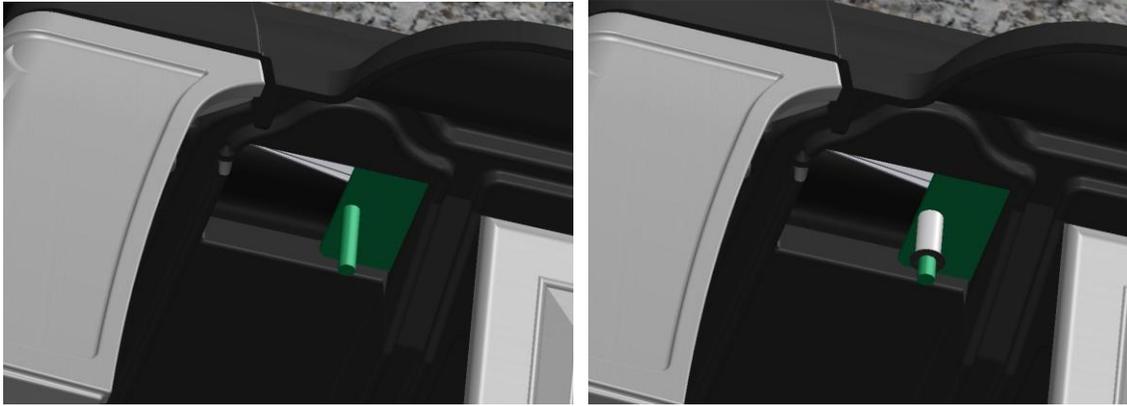


Photo # 1

Left: Original Shutter w/out Sleeve
Right: Shutter w/Sleeve and Push
Washer
(Provided in this kit)

The primary air linkage slides the primary air shutter plate from left to right to control the air going into the stove. On rare occasions, small variances in the cast parts combined with heating and cooling of the stove can cause the air shutter plate to slide roughly or bind. This may cause the air control to move with difficulty, or become stuck. To eliminate this as a concern, a sleeve can be added to the shaft of the air shutter plate to add increased support as the plate slides from left to right.

To add the sleeve and the washer, follow these instructions.

1. First check that the air control moves freely when it is disengaged from the air shutter plate. Slide the air control to the fully closed position (handle to the right). Pull down on the handle to disengage the air shutter and rotate the handle to the full open position (handle to the left). Move the air control from side to side to ensure it rotates freely. If it does, follow the steps below. If not, refer to TDS "Freeing up the Primary Air Control On the Equinox"
2. Remove the ash pan door by first removing the two bolts located under the ash dump with the 7/16" wrench (see photo #2).
3. Using the stubby Phillips screwdriver, remove the two Phillips screws and remove the retaining bracket (see photo #2),



Photo #2: Ash Dump

(viewed upside down)

Bolts to remove the ash door (located between the hinge tabs)

Screws to remove retaining bracket (located to the left and right of the ash latch)

4. With the ash door and retention bracket removed and set aside, place a piece of cardboard or a blanket on the hearth, and support the bottom of the ash dump with wooden blocks. Wedges cut from 2" x 4" lumber, ~12" long work best. The wedges allow the ash dump to be lowered and lifted gradually. This will protect the hearth and allow you to work on the ash dump.
5. Remove the seven bolts that hold the ash dump (28 on illustration #1) to the bottom of the stove with a 3/8" wrench or socket. Gently drop the ash dump down onto the boards and pull it out.
6. Before you add the sleeve to the shutter shaft, reach up into the bottom and make sure the air shutter plate moves easily left to right. If you are experiencing any binding, the retaining bar above the plate may be bent in a restrictive position. This is a light metal piece that you can easily bend up to relieve this pressure.
7. Slide the sleeve (5710-405) over the shutter shaft, followed by the push-on washer (4200-0340). Ensure the washer and sleeve are installed tight to the air shutter plate. Refer to Photo #1.
8. Slide the air shutter plate to the full closed position. The plate should fully block the air opening.
9. Slide the ash dump back under the stove, and rotate the air control handle so that it is pointing straight out from the front of the stove. The air control lever should point from front to back.
10. Lift up the ash dump and position it so that the bolts can be rethreaded back into the bottom. Attach the ash dump back onto the bottom of the stove.
11. Rotate the air control level slowly to the right until you feel it hit the shaft of the air shutter plate. Pull down on the handle and rotate it slightly to the right to line up the shaft and the slot. Allow the handle to spring upwards and engage the shaft.
12. Check the primary air control for fit and function.
13. Line up the ash door and secure it by turning in the two screws previously removed. Place the retaining bracket back on the ash dump and secure it with the phillips screws (refer to photo #2 for orientation).