

## M059.1

### DN5000 LARGE PIN TOP HINGE GLASS DOOR UPGRADE

Revised 9/15/03

**Models Affected:** DN5000 Venders serialized 0001-8152DZ to 0001-8250BB.

Note: The longer & .250" diameter top hinge pin and .262" bushing is factory installed on 001-8250BB and higher.

**Reason:** To provide a top hinge that improves pin engagement to the bushing of the glass door and has a larger diameter.

**Order:** 1 – 801,306,49x.x1 top hinge, glass door  
1 – 805,300,45x.x1 .262" bushing

**Tools needed:** Chisel or flat head screw driver Pliers  
Rubber Mallet Phillips screw driver #2 nib

#### **Precautions to take during Upgrade**

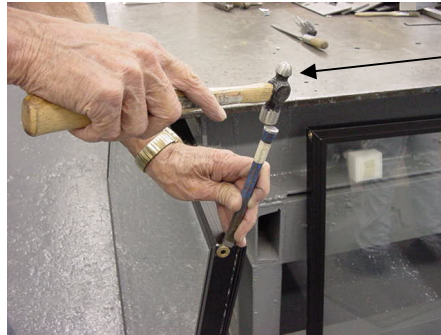
- \*Wear safety glasses while performing this operation.
- \*Do not hit the bushing hard when removing the old bushing or installing the new bushing.
- \*Make sure the door is lying on a secure ground so that the glass is not scratched or gets in contact with dirt.

#### **Glass Door Top Bushing Upgrade Instructions:**

\*INSTRUCTIONS TO REPLACE Ø0.190" BUSHING WITH Ø0.262"

1. The double pane glass door weighs approximately 48 pounds and the triple pane glass door weighs approximately 72 pounds.
2. Removing and installing the Glass Door will require two people. One to hold the Glass Door in the open position while the second person removes the existing top hinge. Read the below instructions completely before starting.
  - a. Open the Glass Door and remove the existing top hinge by removing the 2 phillips head screws that secure the hinge to the cabinet.
  - b. Both people lift the door from the bottom hinge pin of the cabinet and sit the glass door on its side with the hinge bushing up. See picture in Step 3.

3. Take a “Chisel” (or a Flat head screw driver) and a “Rubber Mallet” (**Although below picture shows a hammer, we recommend using a “Rubber Mallet”**). Place the sharp end of Chisel between the narrow gap of base of Ø0.190” bushing head and top of Glass Door Frame. Tap gently until the bushing separates from the doorframe.



**USE RUBBER Mallet**

4. Use Pliers to pull the Ø0.190” bushing out completely out of the Glass Door Frame.



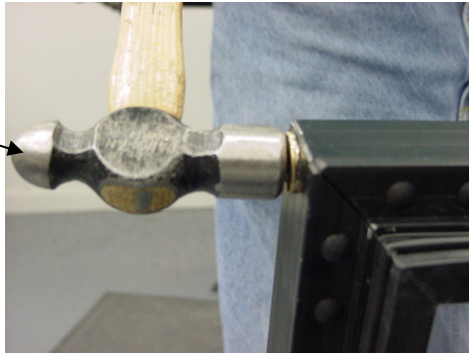
5. Place the Ø0.262” bushing in the hole on Glass Door Frame.

**USE RUBBER Mallet**

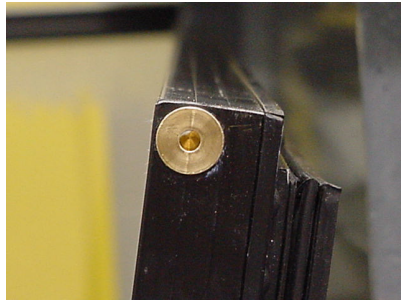


6. Tap the top of the bushing gently until the bushing is seated all the way inside the Glass Door Frame. The bushing head should be flush with the top surface of the Glass Door Frame once it is finally assembled. (Although below picture shows a hammer, we recommend using a “Rubber Mallet”)

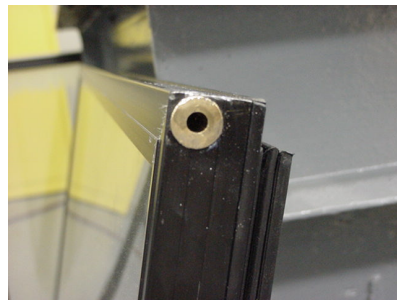
**USE RUBBER  
MALLET**



Below pictures shows difference between current bushing (Ø0.190”) versus new bushing (Ø0.262”).



Ø0.190” bushing



Ø0.262” bushing

### **Hinge Upgrade Instructions:**

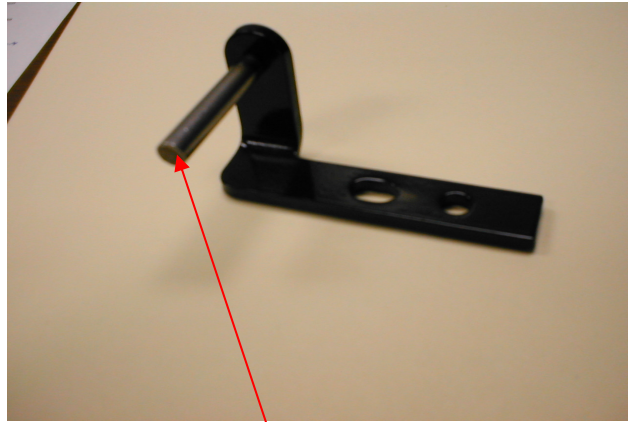
7. The double pane glass door weighs approximately 48 pounds and the triple pane glass door weighs approximately 72 pounds.

8. Installing the top hinge will require two people. One to hold the glass door in the open position while the second person installs the new hinge. Read the below instructions completely before starting.

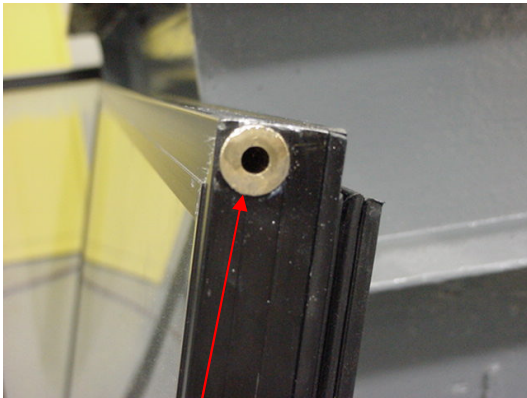
9. Both people lift and place the Glass Door in position on the Vender so the bottom hinge pin is in the hinge bushing.

10. One person holds the Glass Door in the open position while the second installs the new hinge pin in the bushing and secures the hinge to the cabinet using screws removed in Step 2a.

11. Inspect the hinges and door for proper operation.



New Hinge with  $\text{Ø}0.250''$  pin 801,306,49x.x1



Brass bushing  
805,300,45x.x1



New hinge installed

Total amount of time for the entire operation from disassembling the door to re-mounting it on the cabinet is at an average of 15 minutes for a technician who is familiar with DN5000 door assembly.