

# Technical Bulletin

Bulletin Number: DGM-003 Revision Number: R-003  
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**SUBJECT:** DGM PIKE DOOR RETRO-FIT KITS

**MODELS AFFECTED:** All DGM's

**REASON:** To provide a way to install Pike doors on all DGM coolers.

Note: When ordering Pike Service Door Kits, be sure to order by serial number to receive correct parts.

**IMPORTANT: The retro-fit kit does not include a Pike door.**

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## PIKE SERVICE DOOR KITS AND SERIAL BREAKS

**NOTE:** The "door" is not included in the retro-fit kit. Order the proper size door separately.

<b>Kit # 1</b>	<b>588,011,700.24</b>	<b>DGM's 0001-7000AS to 0001-7015DS</b>
Contents:		
1 - 801,304,410.01		bottom hinge
1 - 801,304,060.01		hinge plate
1 - 900,201,670.01		1/4-20x11/16 hex socket cap screw
1 - 900,201,700.21		1/4-20x11/16 button head socket screw
2 - 900,800,670.01		keps nut 1/4-20
1 - 801,304,400.01		top hinge
2 - 169,000,150.53		.097 spacer, bottom hinge
1 - 800,101,650.01		bushing
2 - 900,700,980.01		washer, top hinge
1 - 169,000,160.03		.031 spacer, bottom hinge
*1 - 588,050,150.03		bottom hinge shim plate
1 - 588,050,050.03		.045 shim, bottom hinge

<b>Kit # 2</b>	<b>588,011,800.14</b>	<b>DGM's 0001-7015DS to 0001-7022AT</b>
Contents:		
1 - 801,304,400.01		top hinge
2 - 169,000,150.53		.097 spacer, bottom hinge
1 - 800,101,650.01		bushing
2 - 900,700,980.01		washer, top hinge
*1 - 588,050,150.03		bottom hinge shim plate

<b>Kit # 3</b>	<b>588,011,900.14</b>	<b>DGM's 0001-7022AT to 0001-7027BT</b>
Contents:		
2 - 169,000,150.53		.097 spacer, bottom hinge
1 - 800,101,650.01		bushing
2 - 900,700,980.01		washer, top hinge
*1 - 588,050,150.03		bottom hinge shim plate

<b>Kit # 4</b>	<b>588,012,000.04</b>	<b>DGM's 0001-7028BT and higher</b>
Contents:		
1 - 800,101,650.01		bushing
1 - 900,700,980.01		washer, top hinge

\* Bottom hinge shim plate is needed on any door in which the top hinge pin is not totally engaged in the top hinge.

## **THE PIKE DOOR**

For maximum flexibility, DGM doors are field reversible. All DGM's with Pike doors are factory hinged on the right. All DGM Service Pike doors are shipped for coolers hinged on the right side. If you need a left-side hinged door, refer to the DGM Installation Set-Up Guide provided in every cooler, or call Dixie-Narco Factory Service at (800) 688-9090 for instructions.

**WARNING: THE GLASS DOOR IS HEAVY AND WILL REQUIRE TWO PEOPLE TO HANDLE.**

Before you begin, make sure you have a 5/32" hex wrench. A 5/32" is supplied with every DGM. You will also need a standard English socket set and torque wrench. If the door has a header, remove it before beginning this procedure. Reinstall the header afterwards.

## **DOOR REMOVAL**

1. Remove the door by lifting it up and off the bottom hinge. If the door does not disengage the bottom hinge, loosen (do not remove) the three top hinge bolts and try again. After removing the door, set it aside.

## **HINGE USAGE / INSTALLATION**

- 2a. When installing kits 1 and 2, remove the top hinge.
- 2b. Loosely install the new top hinge, replacing any hinge shims that were originally used. Note: The shims used need to be reinstalled in the same order they are removed.
3. Remove the front grill from the cabinet.
- 4a. When installing kit 1, remove the bottom hinge bolts and the bottom hinge bracket. Save all spacers and the shim for step 4b.

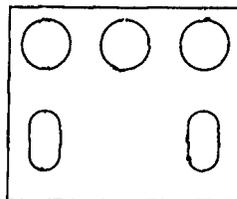


Figure 1  
Spacer

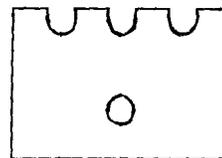


Figure 2  
Shim

- 4b. Install the new bottom hinge bracket, reinstalling the spacers and shim from step 4a. While holding the hinge bracket up against the mullion and out against the cabinet shell, tighten the bolts to 90-100 in.-lb. of torque. Exceeding 100 in.-lb. of torque may strip the cabinet base box holes. If this happens, nuts will be required on the bolts.

- 4c. Loosen the two 7/16" keps nuts on the hinge plate and adjust it on the bracket until the gap between the hinge plate and the metal face of the mullion is 23/32". Tighten the 7/16" keps nuts to 90-100 in.-lb. of torque.

## **DOOR INSTALLATION**

1. Insert the top hinge pin bushing in the top hinge's star shaped hole.
2. Insert the top hinge pin in the top hinge. Important: It may be necessary to install the top hinge washer on the top hinge pin of the door to prevent the door from easily being removed.
3. Hold the door against the cabinet and pull up firmly. Align the bottom hinge pin with the star-shaped hole in the bottom hinge bracket assembly and lower the door.
4. Close the door.
5. Position the top of the door front to rear so the top hinge plate indentations are even with the front of the breaker. Also, hold the door parallel to the sides of the cabinet. Maintain these positions while tightening the top hinge bolts.
6. Tighten the bolts to 100 in.-lb. of torque. Exceeding 100 in.-lb. of torque may strip the top hinge bolts.

### **Set Door Closing Spring Tension**

7. The adjustment screw is located at the top of the door.
8. Insert the supplied 5/32" hex key in the opening and engage the adjustment screw. Turn the wrench, counter-clockwise if hinged on the right or clockwise if hinged on the left, until you hear a distinctive "click". The click signals that you have tightened the torque rod. After each click, check the door for proper closing force. To check the door for proper closing force, open the door twelve inches (304 mm) and let it go. The door should close itself, but not slam hard. Continue adding torsion until the door closes properly.

**Do not exceed maximum clicks of torsion. See maximum torque rating.**

**CAUTION: THE TORQUE ROD WILL BE DAMAGED IF MORE THAN MAXIMUM CLICKS ARE APPLIED.**

<b>Maximum Torque Ratings (Number of Clicks)</b>	
<b>79" DGM Door</b>	<b>7 Clicks</b>
<b>66" DGM Door</b>	<b>6 Clicks</b>
<b>56" DGM Door</b>	<b>5 Clicks</b>

### **Check Door Seal**

9. Check the gasket seal around the door. This is easily done by inserting a dollar bill between the door and cabinet and dragging it along the mating surfaces. The door needs adjustment if the bill slips out freely. If the door needs further adjustment. Refer to "Door Adjustment" on page 5.
10. Replace the front grille.

## **DOOR ADJUSTMENT**

### **Correcting a Poor Gasket Seal**

If the door needs "fine-tuning" for a proper seal, the following adjustments are provided:

- The top hinge plate shims up or down.
- The top hinge plate slides front to rear by slots.
- The top hinge plate adjusts left to right by rotating in its slots.
- The bottom hinge bracket shims in or out.
- The bottom hinge bracket slides left to right by slots.
- The door stop bracket slides front to rear by slots.

### **Resetting Door Closing Tension**

Reset the door tension spring if it is not closing the door properly. To reset the spring:

1. Completely remove and replace the door. This relieves all door spring tension.
2. (RIGHT HAND HINGED DOOR). Insert the supplied 5/32" hex key in the opening and engage the adjustment screw. Turn the wrench counter-clockwise (viewed from above) until you hear a distinctive "click".

The click signals that you have tightened the torque rod. After each click, check the door for proper closing force. To check the door for proper closing force, open the door twelve inches (304 mm) and let it go. The door should close itself, but not slam hard. Continue adding torsion until the door closes properly.

**Do not exceed maximum clicks of torsion. See step 9.**

**CAUTION: THE TORQUE ROD WILL BE DAMAGED IF MORE THAN MAXIMUM CLICKS ARE USED.**