Entrance Door Adjustments

Bus Front Entrance Door (1999 & Older)

Problem: Excessive air wind noise while driving

Solution:

1. Inspect the door gasket located around the perimeter of the screen door. Check for tears or gasket deterioration. Replace the gasket if necessary with kit #00510. (Note: It may be easier to install the new gasket by removing the screen door and laying it on a flat surface. With the screen door removed, refer to step 5 before re-installing it.) Cut the gasket at the screen door corners at 45° angles and Super Glue them together.

2. Verify that the latch is still latching in the secondary position. This latch has a primary and a secondary position. Standing outside of the unit, gently close the door to the first catch position. Mark the position of the door. Open the door and close it in the normal fashion. The door should be closed tighter and in the secondary position. If not, adjust the latch post accordingly.

3. Open the entrance door. Inspect the position of the screen door in the door opening. Verify that the seal around the screen door overlaps the flange equally on all four sides of the door. Four-way adjustment can be made to the screen door only. This is done at the screen door hinge.

4. Inspect the posi-lock arm, located at the top of the door, to make sure it is not binding or restricting the door when closed. This is done by standing inside the unit and slowly closing the entrance door while holding down on the top right corner of the screen door gasket. Visually verify that the posi-lock arm is in the center of the door frame with the door in the closed position. Make any adjustments, if necessary.

5. Remove the eight machine screws located at the screen door hinges (four screws per hinge). This is done using a 3/32” Allen wrench. Remove the screen door. Step inside the unit and close the entrance door. A uniform gap of 3/8” between the entrance door and the doorjamb flange is required. (Note: this is the most important adjustment for a good seal.) The gap must be uniform around the perimeter of the entrance door. If an adjustment is necessary, make certain that the hinge is in the proper position on the door jamb and on the door itself. If the gap requires further adjustments, move the flange accordingly using a block of wood and a hammer. The flange can be bent 1/4” in either direction, if taken in small increments. When the flange at the top of the door jamb needs to be adjusted more than 1/4”, the entrance door will need to be cambered. The posi-lock arm mounting point will need to be removed from the top of the door jamb and moved out of the way. The step will need to be in the up position in order for the cambering tool to be installed. With the jack of the cambering tool at its lowest level and the jack pad facing the inside door skin, guide the cambering tool over to the hinge side of the door, setting the wood pads of the cambering tools upper and lower arms in the top and bottom corners of the door. Add tension to the jack until the cambering tool stays in place. Take a measurement from the mounting plate of the jack to the door skin next to the jack pad. Next, add tension to the jack until it increases the distance between the mounting plate and the door skin by 1” to 1-1/4”. Remove the cambering tool and check the gap at the top of the door. If more camber is needed, repeat the cambering tool steps. On average, each cambering will add 1/8” to 1/4” of camber to the door. Once the desired gap is obtained, remount the screen door. It may be necessary to adjust the latch post again. If wind noise is still present after the unit has been taken on a test drive, add 3/4” foam bulb seal on the hinge side only of the
Entrance Door Adjustments

doorjamb from the top to the bottom, against the flange. The part number for the 3/4” foam bulb seal is 16108. If excessive wind noise is still present, proceed to Step 6.

6. Remove the entire entrance door/screen door combination by removing the screws from the hinge. Remove the screws from the doorjamb side of the hinge so that the hinge remains attached to the door. With the entrance door removed, loosen the screws on the front, top and bottom of the doorjamb frame. Remove all of the silicone from these areas also. Slide a putty knife along the front side of the door between the frame and the sidewall. Slide the long side of an ABS “L” channel wind deflector between the doorjamb frame and sidewall. Make a cut in the deflector to accommodate the angle on the doorframe. Secure the doorjamb frame and re-install the entrance door. Re-seal the perimeter of the doorjamb frame to the sidewall. The part number for the “L” channel wind deflector is 31298.

PROBLEM: Entrance Door squeaks at latch while driving

SOLUTION:

1. This occurs when the 1/2” up and down movement of the latch post is restricted. The latch post should move up and down by hand. If not, remove the latch post using a 5/8” socket. Add a 3/8” lock-washer directly under the 2” fender washer. Re-install the latch post. Inspect for vertical movement. Add another lock-washer if necessary. There should always be clearance between the fender washer and the door jamb frame after the latch post has been tightened. Re-install the latch post as previously covered in Step 2.

Below is a list of the above mentioned parts that may be used. These can be ordered through the Newmar Parts Department.

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>00510</td>
<td>seal kit - front ent dr blk int.</td>
</tr>
<tr>
<td>00511</td>
<td>seal kit - front ent dr wht ext.</td>
</tr>
<tr>
<td>00512</td>
<td>seal kit - wind ptl. fr ent dr.</td>
</tr>
<tr>
<td>31298</td>
<td>Plastic L Channel</td>
</tr>
</tbody>
</table>
Entrance Door Adjustments

Standard Side Entrance Door

PROBLEM: THE DOOR HITS, CLOSES HARD OR DOESN’T CLOSE AT ALL.
SOLUTION:
Make sure the door lines up with the door frame. Check for proper clearance around the door. Loosen some of the screws on one side of the door frame and on the top and bottom of the door. Move one side of the door up or down, which ever is necessary to align the door.

PROBLEM: THE LONDON AIRE DOOR HINGES, WHICH ARE LONGER, WEAKEN CAUSING THE DOOR TO BECOME MIS-ALIGNED WITH THE FRAME.
SOLUTION:
Add extra screws to each hinge. This requires pre-drilling the holes in the hinge and into the corner of the doorframe.

PROBLEM: THE DOOR WILL NOT OPEN AFTER THE UNITS SITS IN THE SUN DUE TO THE DOOR EXPANDING, OR ONCE THE UNIT IS ELEVATED ON THE JACKS.
SOLUTION:
Be sure the door and frame are in alignment. Rework the striker plate in the door frame by grinding it out to allow more clearance for the guide screws in the door. Adjust the striker plate.

PROBLEM: LOOSE GUIDE SCREWS IN THE DOOR.
SOLUTION:
Make sure the screw is clean. Add lock-tight to the screw. If lock-tight is not available, Sikaflex will work for this application.
Entrance Door Adjustments

Front Entrance Door Camber Tool

- 37 1/2" from Center to Center
- 6 - 5/16" x 5 1/2" Bolts & Nuts
- 2" x 9/16" x 96" Aluminum Tube
- 2" x 2" x 12" - 1/8" Steel Tube
- 1/4" x 3" x 4" Steel Plate
- 3/4" x 2" x 4" Hardwood
- 1/4" x 4" x 6" Steel Plate
- Scissor Jack from 5" to 13"
- 3/4" x 2" x 4" Hardwood
- 3/4" x 2" x 4" Hardwood
- 1/4" x 3" x 4" Steel Plate
- 2" x 2" x 7" Steel Tube
Entrance Door Adjustments