



Updated Micro Bird Entrance Door Adjustment Procedure

Tech Tip #19-0111



New Adjustment Procedure

Attached please find the most current procedure for adjusting entrance door operation.

PLEASE NOTE: We have found that in an attempt to adjust entrance doors, many Techs have bent the tab of the micro switch and this procedure calls for straightening the tab if it was previously bent. New York Bus Sales recommends replacing the switch instead of trying to straighten!

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TITLE: Passenger entrance door adjustment

TO: Micro Bird dealers

PRODUCT: Micro Bird buses

FROM: After Sales and Warranty department

PLANNING

Description

The following adjustment procedure is valid for all Micro Bird buses.

Compliance

The warranty claim must be placed with Micro Bird within 45 days from the date of repair.

Manpower Labor : .5 hr

Note: It is recommended to read the entire procedure before performing repairs.

Note: It is assumed that all of the procedures required to embody this modification will be performed according to professionally accepted standards.

TOOLING REQUIRED

Qty	Description
1	9/16 wrench
1	Phillips screwdriver

PROCEDURE

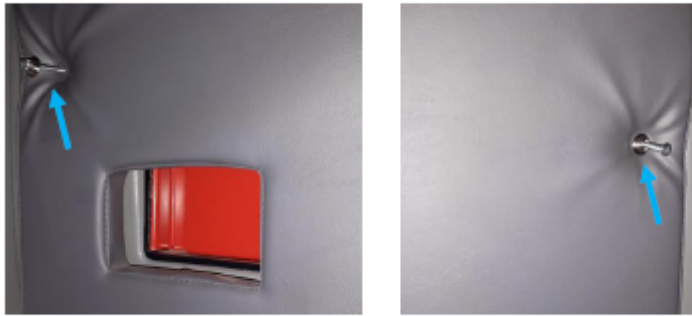
Step 1: While standing outside the bus, make sure the entrance door seals are installed correctly.



Large rubber seal on right door. Flat side out.

Small rubber on the left door.

Step 2: Remove the head pad above the entrance doors.



**** Make sure to ALWAYS adjust the doors with the rods. NEVER bend the switch tab as what was previously done to perform adjustment.**

Step 3: Door mechanism adjustment

1. Open the emergency exit to release tension on the threaded rods.
2. Unscrew both nuts at the end of each rod.



Nuts to unscrew

3. **Make sure the tab of the microswitch is straight. If not it will need to be straightened before proceeding to the next steps.**
4. Turn the gear clockwise until it comes to a stop when it hits the stud on the motor plate. When you turn it, if the rods are too long and prevent the main gear to be turned enough to hit the stud of the motor plate, you will need to shorten each rod to help the gear do its complete motion. Ensure it slightly touches the tab of the microswitch and the tab is not depressed.



Open the emergency handle.



Turn the gear clockwise until it comes to a stop when it hits the stud on the motor plate.

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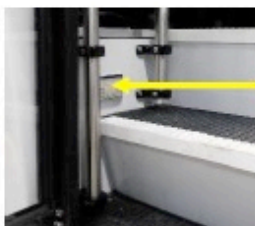
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5. Pull on the center part of the upper seal. This part is fixed with sealant at both ends. Do not reach the sealed areas.



Center part of seal

6. Maintain the gear in position. Close the emergency handle. Use the console switch to close the doors. Hold the switch until the stepwell light is off. The gear will be at a precise location and the microswitch will be activated.

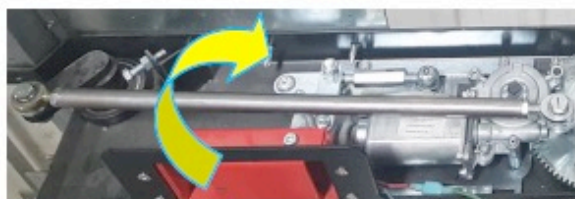


Stepwell light

7. Adjust the entrance doors using the rods starting with the right one. Turn it towards you until the right door frame hits the steel corner on top of the door. Lightly screw both nuts to secure the rod.



8. Proceed with the left rod, this time turning the rod away from you. Turn it until the top of the left door rubber seal touches the rubber seal of the right door. Lightly screw both nuts to secure the rod.





Slight contact

Both seals are touching and the left one starts to be deformed.

- To make sure the doors are as tight as should be, the last thing to do is to turn the right rod $\frac{1}{4}$ turn towards you and turn the left rod $\frac{1}{2}$ turn away from you. Tightly secure nuts.

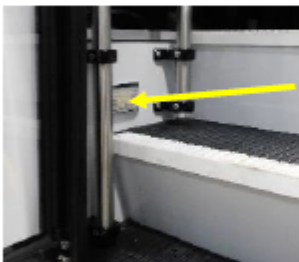
Note: If it is difficult to turn the rods, open the emergency handle to release pressure on rods. Close the emergency handle and then close the doors using the console switch.

- At this time, you have to open the emergency exit to make sure it is not hard to open. If it is, too hard, slightly bend the tab of the front microswitch away from you.



- Reinstall the top seal on the frame and close the doors using the console switch.

When the doors are completely shut, the stepwell light should be turned off. If that is not the case, repeat the steps. However, this second time, leave a small space between the door frame and the right door.



Stepwell light

- Push on the doors from the inside of the bus to make sure they do not move outwards and the stepwell light stays shut.
- When all adjustments have been completed, if desired, apply some Loctite on the nuts.
- Reinstall head pad.

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