

Tech Tip

FROM YOUR FRIENDS AT
NEW YORK BUS SALES!



Microbird G5 Entrance Door Noise

- Complaint –** Our “Dual Rear Wheel” Microbird Model “G5” has a “whistle” coming from the entrance door area.
- Cause –** Door Adjustment
- Correction –** Microbird has specific “ADJUSTMENT INSTRUCTIONS”- Please read and follow the attached!

Contact Our Service Department With Any Questions

CHITTENANGO – phone 800-962-5768 or

Daryl Wallace : dwallace@newyorkbussales.com

Brian Lamaitis : blamaitis@newyorkbussales.com

ROCHESTER – phone 800-463-3232 or

Gary Chichester: gchichester@newyorkbussales.com

ALBANY – phone 866-867-1100 or

Ben Reiling: breiling@newyorkbussales.com

WARRANTY – 800-962-5768 ext 237

Morgan Jenkins: mjenkins@newyorkbussales.com

Or Your Customer Support Representative

West

Michael Panzica – mpanzica@newyorkbussales.com

Cell 716-908-3186

Central

Jeremie “JJ” Richmond –

jjrichmond@newyorkbussales.com

Cell 315-559-3999

East

Gary Bigness – gbigness@newyorkbussales.com

Cell 845-500-3707



NEW YORK BUS SALES

**FOR ISSUES CONCERNING THE
SINGLE REAR WHEEL
“G5” MODEL
REFER TO TECH TIP #14-0929**

ALL of our Tech Tips can be found on the New York Bus Sales website at

<http://www.newyorkbussales.com/pages/bulletins.cfm>

Or at the New York Head Mechanic website at

<http://www.nvhma.org/viewforum.php?f=2&start=0>



ADJUSTMENT INSTRUCTIONS

ITS-0002-CA

Electric powered double leaf entrance door

Revision: B

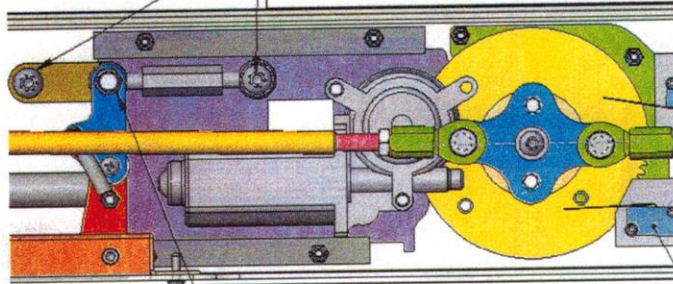
| | | | |
|-------------|-----------|---------------|------------|
| Author: | J. Garand | Emission: | 31/03/2004 |
| Revised by: | J. Garand | Revised date: | 26/01/2005 |

Revision approval:

1. Before you adjust the opening mechanism, check the emergency release handle first. This handle must operate easily. If the handle is hard to operate, the screws and nuts may have been over tightened. Check on the drawing below to know what should be done.

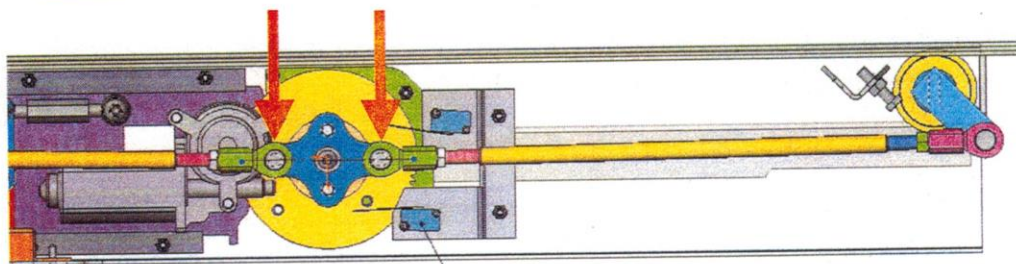
IMPORTANT: if you loosen one of the screws, you must remove it completely and re-apply Loctite 242 on it before you put it back in place (tighten and loosen one quarter turn to allow rotation of the parts).

These 2 screws must not be over tightened they must allow rotation of the parts they are holding. It is important to apply Loctite if you have to change the tightening.



Tighten this nut in a way to allow rotation of the parts it is holding. No Loctite required.

2. Align the gear with the mechanism in closed position. Adjust the closed position sensor to stop the gear at the indicated position (one bolt should be at 3 o'clock and the other one at 9 o'clock). Bend the sensor strip to adjust the sensor.



Closed position sensor

***** At this moment, it is important to test the emergency handle to make sure it operates easily.**



ADJUSTMENT INSTRUCTIONS

ITS-0002-CA

Electric powered double leaf entrance door

Revision: B

| | | | |
|-------------|-----------|---------------|------------|
| Author: | J. Garand | Emission: | 31/03/2004 |
| Revised by: | J. Garand | Revised date: | 26/01/2005 |

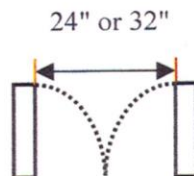
Revision approval:

- Adjust the threaded rods to allow a perfect closing of the door leaves (in straight line & closing at same time). The rods have right hand & left hand threads, so simply turn to lengthen or shorten them. Check the door alignment on the picture below.

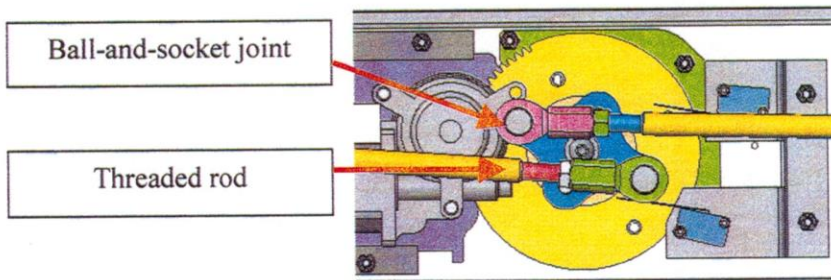


After you have adjusted the rods, recheck the emergency handle to make sure it is still operating easily.

- Check the opening of the leaves according to the size of the DOD installed: 24" or 32" minimum.



When the door is open, make sure the ball-and-socket joints & rods are not in contact.





ADJUSTMENT INSTRUCTIONS

ITS-0002-CA

Electric powered double leaf entrance door

Revision: B

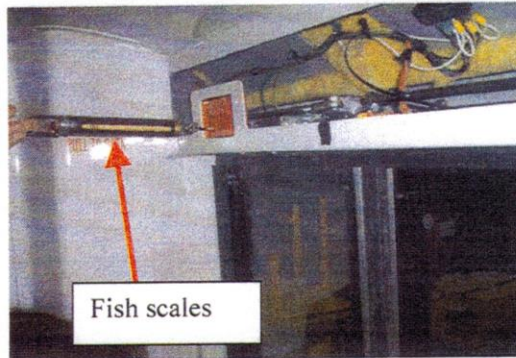
| | | | |
|-------------|-----------|---------------|------------|
| Author: | J. Garand | Emission: | 31/03/2004 |
| Revised by: | J. Garand | Revised date: | 26/01/2005 |

Revision approval:

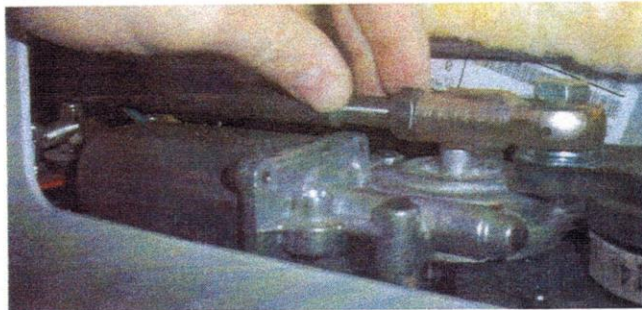
Adjust the stop bolt of mechanism with a ½ " wrench to keep the leaves open.



5. We suggest you use fish scales to test the handle. Weight to release the emergency door handle should not be more than 10 pounds. The leaves must close with electric power. If they are not doing so, you will have to adjust properly (check first step on page 1).



6. After you have adjusted & tested the leaves operation, tighten the threaded rod nuts using a 9/16" wrench.



3 of 4



ADJUSTMENT INSTRUCTIONS

ITS-0002-CA

Electric powered double leaf entrance door

Revision: B

Author: J. Garand **Emission:** 31/03/2004

Revision approval:

Revised by: J. Garand **Revised date:** 26/01/2005

Inspection:

Your electric powered double leaf entrance door requires periodic inspection. Each 3 to 6 months:

- Check the condition of main components: bearing, gears, ball-and-socket joints, motor and sensors.
- Check the adjustment of door leaves.
- Visually inspect that all the bolts are in place and correctly tightened.

Every day:

- Test the emergency release handle.