

# Tech Tip



*From your friends at New York Bus Sales*

## **Product Affected-Units with Air Doors**

- Complaint -** When the doors are closed, the manual door release set, then open the doors to get out and get back in and reactivate the door release the entrance doors “SLAM”
- Cause -** There is full system pressure being allowed to be reintroduced to the air cylinder which causes the cylinder to “SLAM” the doors.
- Correction -** There are 2 methods of addressing the issue –  
First – You can instruct drivers to make sure that when they set the door release they always put the door either open or closed and then when reactivating the door release they have the door in the same position so as the sudden force of air does not cause the “SLAMMING” or  
Second – You can follow the steps below to install a “flow control” valve which will allow you to regulate the pressure when the door release is deactivated thus reducing the “SLAMMING” – I like this way better because I can’t remember which way I left the doors or I’m getting in when someone else left it and I can’t “guess” which way was correct!

### **#1 – DRAIN THE AIR SYSTEM**

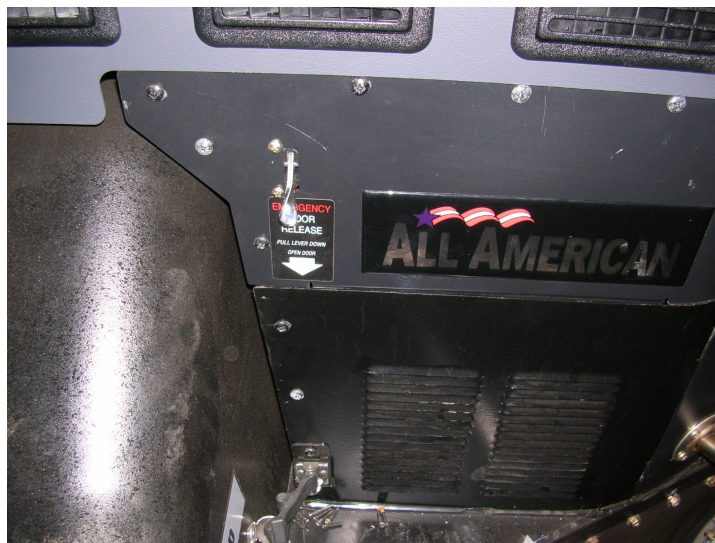
**#2 – Locate the air door release – Mounted in the panel just right of the driver on the BBCV (Fig.#1), Mounted on the top of the dash on the right center of the All American A3 (Fig. #1A), Mounted on the dash face of the All American D3 just to the right of the doghouse (Fig. #1B)**



**FIGURE #1**



**FIGURE #1A**

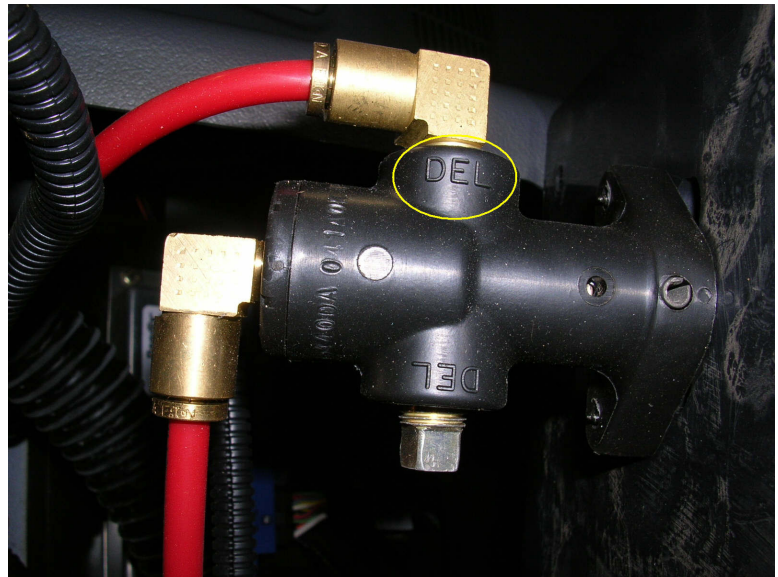


**FIGURE #1B**

**#2 – Remove the panel containing the door release so that you gain access to the air lines located at the back of the valve (Fig #3). Locate the brass 90° fitting located in the delivery port of the of the release valve. The port will be marked “DEL” (Fig. #4).**



**FIGURE #3**

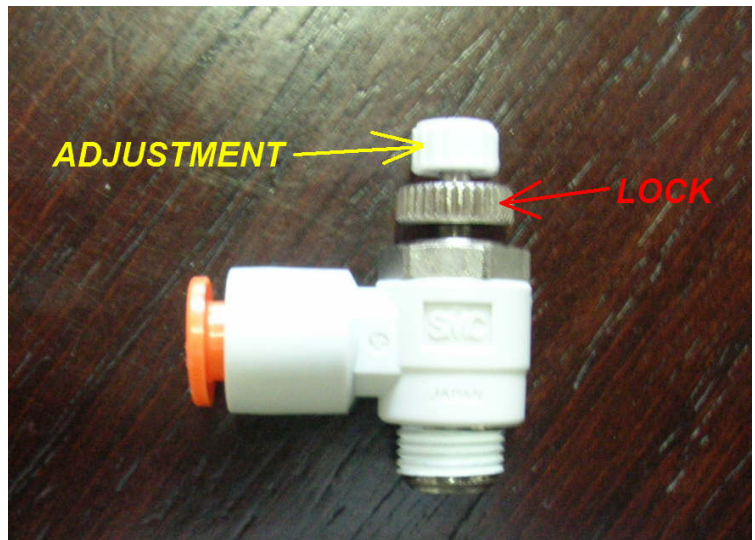


**FIGURE #4**

**#3 – Locate “flow control” SEE NOTE (Fig.#5) and install where the brass fitting was, make sure the airline seats in the fitting and then insure all valves used to drain air have been closed and start vehicle building pressure fully at 120PSI. Shut vehicle down and listen for leaks at the valve, also watch the air gauge to ensure it does not drop.....if you think you hear a leak check with soapy water to make sure.**



**FIGURE #5**



**FIGURE #6**

**#4 – Adjust the door.....Best way is to screw the lock up to the adjustment screw head and then turn the adjustment screw clockwise all the way in. Back out one turn and then try using the manual release – adjust until desired movement is achieved. Once you have that working as desired, operate the door as you would during a route and then screw the lock nut down to the base of the adjustment screw so it will not back off.**

**#5 – Reassemble dash panel**

**PLEASE NOTE:**

This “Flow Control” valve was initially required and used with Air Door Cylinder #00125149 so you may find this already in the system - We will assure that ALL units being delivered with air doors from this point forward has this adjustment feature!

**PLEASE NOTE:**

There could be 2 separate valves with either a 3/8” or 10 mm port – The following are correct part numbers –

- 3/8” – Part # - 00128417
- 10mm – Part # - 10004766



**Contact Our Service Department With Any Questions**

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