

This document describes a procedure for field verification of the function of air wave sensitive edges applied to bus door systems. This procedure does not necessarily verify the proper operation of the entire door control system, nor does it include a trouble shooting procedure for the sensitive edge system.

Scope

- Verifies the proper functioning of the individual sensitive edges
- Verifies that the sensitive edges will detect a standard test object held between the two door panels

Required Equipment

Smooth cylindrical rod, 1 inch diameter by 18 inches long (may be hardwood or metal).

Procedure

1. With engine running and Run Switch in RUN position, park the vehicle and set parking brake.
2. Open the doors at the opening to be checked.
3. Set the doors to close.
4. Standing outside the bus and while the doors are closing, firmly pinch the sensitive edge seal on the left hand door panel. The doors should reopen.



5. Repeat steps 3 and 4 for the right hand door panel.
6. Standing outside the bus with the doors open, hold the 1 inch diameter rod perpendicular to the side of the bus at the vertical centerline of the door opening, 12 inches above the bottom of the door panels.
7. Set the doors to close. The doors should reopen when the door edges contact the rod.



8. Repeat steps 6 and 7 two more times. First with the rod held at the mid point of the door opening and again with the rod held at a point 12 inches below the top of the door panels.
9. If the doors open when tested according to steps 4, 5, 7 and 8, the sensitive edge system is working properly.
10. If the doors fail to open in steps 4, 5, 7 or 8, this may indicate a problem with a component of the sensitive edge system (the sensitive edge seals on the right and left door panels, one of the pressure wave switches, or the tubing), or at a connection point of these components. Verify proper operation of these components and then repeat this test procedure.
11. Vapor Bus International recommends that the sensitive edge system be checked daily for proper functioning and receive a complete inspection and test every 100,000 miles.