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Major System: BUS BODY Created: 5/15/2025
Current Language: English Last Modified: 6/23/2025
Other Languages: NONE Author: Brandon Akridge
Viewed: 25

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Coding Information

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Title: Next Gen Bus Air Entrance Door Exterior Switch

Applies To: Next Gen Bus with an Air Entrance Door

CHANGE LOG

Please refer to the change log text box below for recent changes to this article:

06/23/2025 - Initial Article Release

DESCRIPTION

This document will guide the user through updating the exterior door switch functionality for a Bus with an Air Door system (feature 47DYL) to allow the exterior switch to open the entrance door while the key is on and the chassis system is energized with air pressure. Below are the final results from the updated software.

With Key Off or With Key On (chassis air system not pressurized):

1. The exterior release knob will release the latches.
2. The door system is not energized.
3. Manually pull the doors open.

With Key On (and chassis air system pressurized):

1. The door system is energized
2. Turn the exterior knob ¼ turn clockwise
3. Then release the knob, do not hold knob in place
4. Door cylinders will open/close the door

SYMPTOM(s)

Customer Observations or Concerns:

The current design would only allow the air entrance door exterior switch to release/open the doors with the key off.


SPECIAL TOOL(s) / SOFTWARE

Tool Description	Tool Number	Comments	Instructions
International® Diamond Logic® Builder (DLB)	N/A	EZ-Tech® Software	N/A

SERVICE PARTS INFORMATION

None

DIAGNOSTIC STEP(s)

 WARNING:
To prevent property damage, personal injury, and/or death, park vehicle on a hard, flat surface, turn engine off, set the parking brake, and install wheel chocks to prevent the vehicle from moving in either direction.

REPAIR STEP(s)

1. Bring the vehicle into the shop and park on a flat surface.
 2. Shift transmission into park or neutral, set the parking brake, and install wheel chocks.
 3. Connect to the vehicle using DLB and an applicable data link cable with the ignition key on.
 4. Click on the select tab in DLB and verify the BCM (labelled as ESC in DLB) has the latest data version by using the update all button to load the latest software for the modules on the vehicle. Then use the program button to flash the updates to the vehicle.
 5. Once updating is complete, turn the ignition key off.
 6. Verify the door switch is working properly
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WARRANTY INFORMATION

Warranty Claim Coding:

Refer to the [Warranty Coding Manual](#) for Group and Noun Codes.

Standard Repair Time(s):

Refer to the [SRT Manual](#) for Repair Times

OTHER RESOURCES

[Master Service Information Site](#)

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