



NEW FLYER

SERVICE MANUAL BULLETIN

This Service Manual Bulletin is prepared by the Publications Department of New Flyer Industries Canada ULC. Refer to details below.

SMB-127

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APPLICABILITY					
VEHICLE LENGTH	<input type="checkbox"/> 30ft.	<input type="checkbox"/> 35ft.	<input type="checkbox"/> 40ft.	<input type="checkbox"/> 60ft.	<input checked="" type="checkbox"/> ALL
VEHICLE TYPE	<input type="checkbox"/> High Floor	<input checked="" type="checkbox"/> Low Floor	<input type="checkbox"/> Invero	<input checked="" type="checkbox"/> Xcelsior	<input type="checkbox"/> ALL
FUEL TYPE	<input type="checkbox"/> Diesel	<input type="checkbox"/> Electric	<input type="checkbox"/> CNG	<input type="checkbox"/> LNG	<input checked="" type="checkbox"/> ALL
	<input type="checkbox"/> Diesel/Electric	<input type="checkbox"/> Gas/Electric	<input type="checkbox"/> Fuel Cell		
SUBJECT	Vapor Doors Proximity Switch Adjustment				
SECTION TITLE	16 - Entrance & Exit Door				
DETAILS	<p>This Bulletin provides revised information on the adjustment of the proximity switches located on the baseplate of the front and rear Vapor Slide Glide doors as installed on your New Flyer vehicle.</p> <p>This information supersedes any prior information on this subject already provided in your New Flyer Manuals. Make this Service Bulletin available to service personnel to inform them of changed information.</p>				



1. Entrance Door Switch Plate & Proximity Switches

1.1. Installation

1. Install the switch into the front plate of the door operator in reverse of removal.

1.2. Proximity Switch Adjustment

Adjust the distance between the switch and the teeter plate to ensure correct actuation of the entrance door. Ensure the following conditions are met prior to proceeding with adjustments:

- Using a digital multimeter (DMM), verify each proximity switch is receiving power and ground.
 - Open the hinged access panel above the entrance door and operate the emergency release control to exhaust air from the door system.
1. Manually move door panels to the fully closed position and ensure output lever is rotated fully clockwise (as viewed from the bottom looking up).
 2. Use a feeler gauge to measure gap between teeter lever and bottom of the LS1 proximity switch. Loosen switch lock nuts as required and adjust switch to obtain a gap of 0.080 ± 0.010 inches (2.00 ± 0.13 mm) (Dim "A"). See ["Fig. 1: Proximity Switch Adjustment \(Door Closed\)."](#) on page 2.
 3. Manually open the door and ensure the output shaft is rotated fully counter-clock-

wise as viewed from the bottom looking up. The LS2 proximity switch should actuate just prior to the door being fully opened, and remain actuated with the door fully open, illuminating the LED light at the rear of the switch. This actuation point is referred to as 85° open.

4. Use a feeler gauge to measure gap between teeter lever and bottom of the LS2 proximity switch. Loosen switch lock nuts as required and adjust switch to obtain a gap of 0.080 ± 0.010 inches (2.00 ± 0.13 mm) Dimensions in Fig 1 applies to LS2
5. Manually close the door and ensure the output shaft is rotated fully clockwise as viewed from the bottom looking up. The LS1 proximity switch should actuate just prior to the door being fully closed, and remain actuated with the door fully closed, illuminating the LED light at the rear of the switch. This actuation point is referred to as 5° closed.
6. Manually operate the door mechanism several times between fully open and fully closed to ensure proper actuation of the switches.
7. Torque switch lock nuts to 130 in-lb.
8. Close the emergency release control to apply system air pressure to door motor.
9. Cycle door controller several times between open and closed to ensure proper operation of the door mechanism and limit switches.

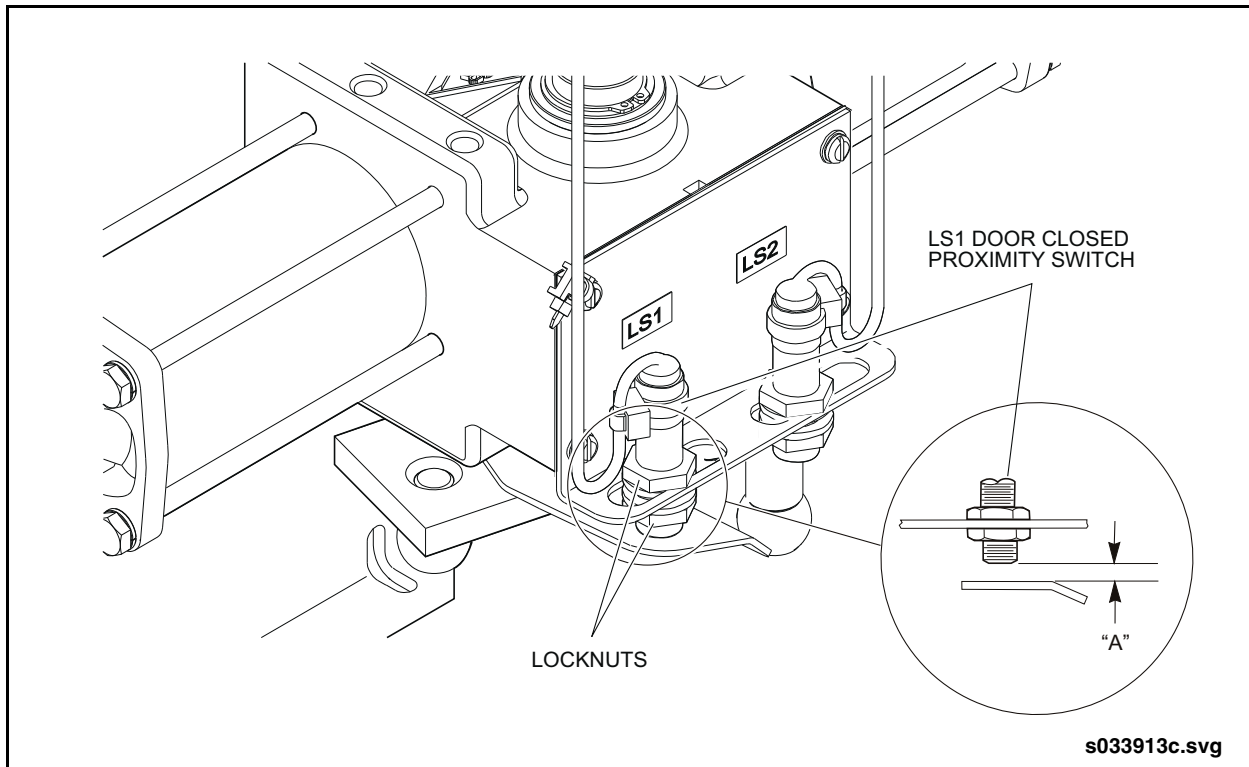


Fig. 1: Proximity Switch Adjustment (Door Closed).

2. Exit Door Switch Plate & Proximity Switches



NOTE:

The following procedure only applies to Slide Glide style rear (exit) doors.

2.1. Installation

1. Install proximity switches in their positions on the baseplate.
2. Connect wiring to switches



2.2. Proximity Switch Adjustment

Adjust the distance between the switch and the output lever to ensure correct actuation of the entrance door. Ensure the following conditions are met prior to proceeding with adjustments:

- ❑ Using a digital multimeter (DMM), verify each proximity switch is receiving power and ground.
 - ❑ Open the exit door emergency valve cover and operate the emergency release control to exhaust air from the door system.
1. Manually close the exit door to rotate the output lever fully clockwise to the closed position. Position the 5° (lower) proximity switch so that the head of the proximity switch is centered over the flat of the output lever and install lock nut.
 2. Adjust proximity switch in or out as required to obtain a 0.080 ± 0.010 inches (2.00 ± 0.13 mm) (Dim. "A") gap between the end of the switch and the flat of the output lever. See "Fig. 2: Proximity Switch Adjustment - Door Closed" on page 3.

3. Manually open the exit door to rotate the output lever fully counter-clock-wise to the open position. Position the 85° (upper) limit switch so that the head of the proximity switch is centered over the flat of the output lever and install lock nut.
4. Adjust proximity switch in or out as required to obtain a 0.080 ± 0.010 inches (2.00 ± 0.13 mm) gap between the end of the switch and the flat of the output lever. The Dimensions in Fig 2 also applies to the door open proximity switch.
5. Manually operate the door mechanism several times between fully open and fully closed to ensure proper actuation of the switches.
6. Torque switch lock nuts to 130 in-lb.
7. Close the emergency release control to apply system air pressure to door motor.
8. Cycle door controller several times between open and closed to ensure proper operation of the door mechanism and limit switches.

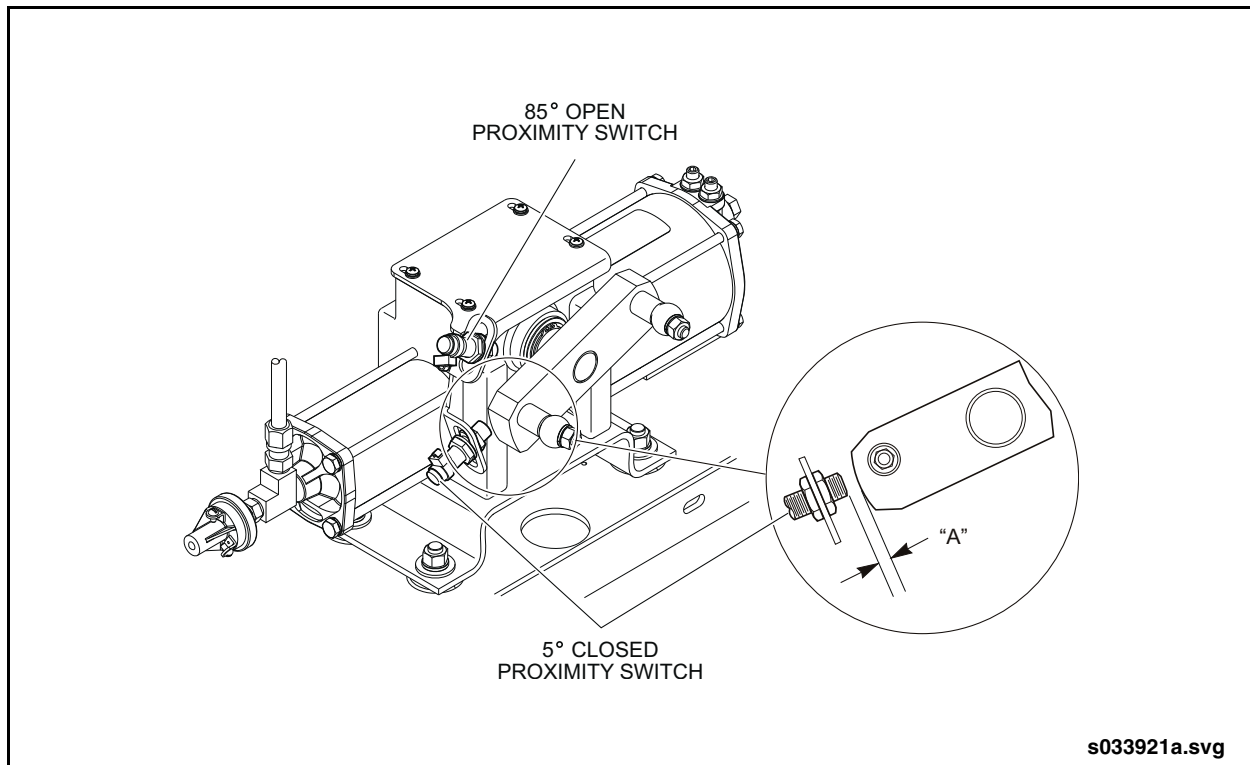


Fig. 2: Proximity Switch Adjustment - Door Closed