

Installation Instructions

100542-000

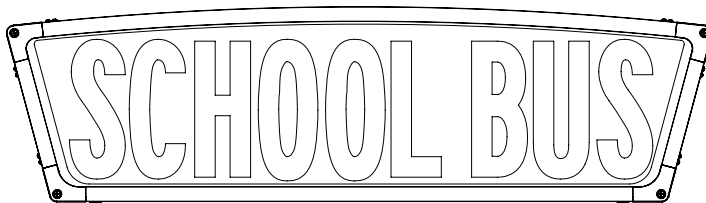


FIRST LIGHT
SAFETY PRODUCTS

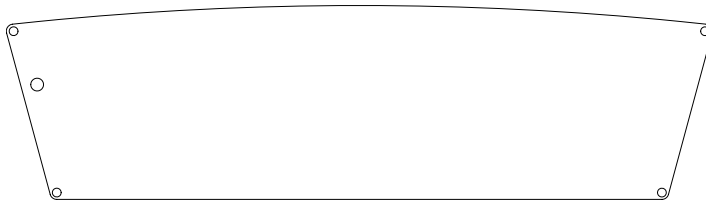
ILLUMINATED SCHOOL BUS SIGN IC OPEN CAVITY



IC OPEN CAVITY - FRONT



Fully Assembled Sign Unit
A x 1



Backsheet Template
B x 1

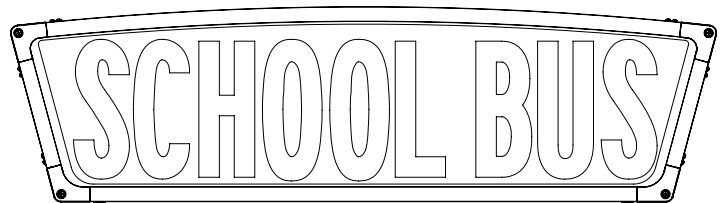


#10-32 Rivet Nut
C x 5

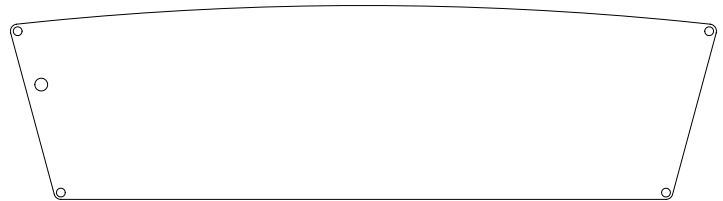


FDO 700 Clear
Silicone Sealant
D x 1

IC OPEN CAVITY - REAR



Fully Assembled Sign Unit
A x 1



Backsheet Template
B x 1



#10-32 Rivet Nut
C x 5



FDO 700 Clear
Silicone Sealant
D x 1

IC Open Cavity

BILL OF MATERIALS

IC OPEN CAVITY - FRONT OR REAR	QTY	REF
Fully Assembled Sign Unit	1	A
Backsheet Template	1	B
#10-32 Rivet Nut*	5	C
DOW 700 Clear Silicone Sealant	1	D

IC OPEN CAVITY - SET - FRONT AND REAR	QTY	REF
Fully Assembled Sign Unit	2	A
Backsheet Template	2	B
#10-32 Rivet Nut*	9	C
DOW 700 Clear Silicone Sealant	1	D

* One extra Rivet Nut provided as spare.

REQUIRED TOOLS

- Marker
- 5/32" and 1/8" Allen keys
- 25/64" and 3/4" Drill
- Rivet nut installation tool*
- 7/8" Wrench
- 11/16" Wrench or socket
- Screwdriver set

* Available for purchase. Part number: 100521

DISCLAIMER

IMPORTANT: PLEASE READ ALL INSTRUCTIONS CAREFULLY BEFORE INSTALLING, FAILURE TO DO SO MAY CAUSE PERSONAL INJURY OR DAMAGE TO PRODUCT AND/OR PROPERTY.

This manual has been created for basic informational purposes only. The activities described herein can be dangerous unless proper safety precautions are taken. If you are not comfortable or are inexperienced with the processes and tools described in this manual, you should not attempt to install the product. These instructions do not purport to cover all details or variations in the equipment and do not claim to provide for every possible contingency met in connection with the installation. Installation of this product should always be performed by a qualified technician and in accordance with safe work procedures. First Light Safety Products (a division of Smartrend Supply Ltd., hereinafter "First Light Safety Products") shall not be held responsible for any errors or omissions respecting installation as they are the responsibility of the installing technician and/or the customer. First Light Safety Products does not make any representation, warranty, guarantee or condition respecting third-party installation or any other service provided by a third-party, and any such representations perceived by the reader/customer are hereby fully disclaimed.

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www.firstlightsafety.com/resources



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IC Open Cavity

STEP 1 - PRE-INSTALLATION VEHICLE PREPARATION

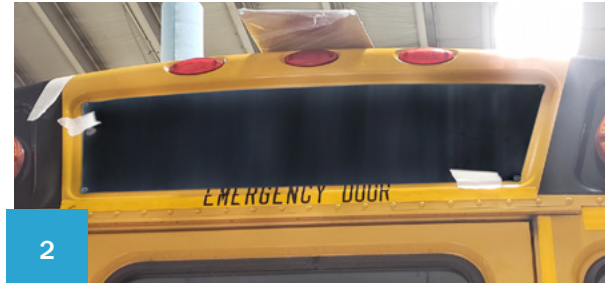
- Disconnect electrical power to the vehicle.
- Remove existing sign and rubber seal.
- Clean any remaining adhesive and residue left from the rubber seal.

NOTE: A clean, flat surface is necessary to ensure proper sealing of the sign, preventing water intrusion.



STEP 2 - USE BACKSHEET TEMPLATE (B) TO MARK HOLES

- Locate the Backsheet Template (B) to the cap where the Sign Unit (A) will go.
- Ensure the Backsheet Template (B) is level and secure in place using masking tape.
- Mark the location of the harness and mounting holes.
- Remove Backsheet Template (B) once holes are marked.



STEP 3 - DRILL HOLES AND INSTALL RIVET NUTS (C)

- Drill the mounting holes for the Rivet Nuts (C) to 25/64".
- Using the Rivet nut installation tool, install the supplied Rivet Nuts (C).

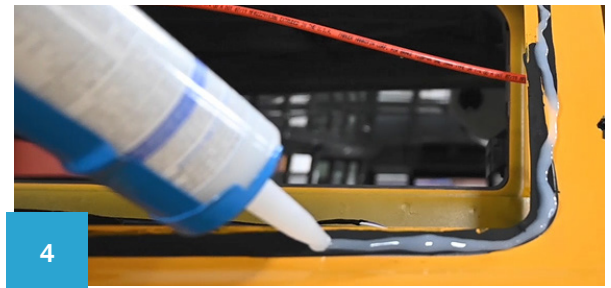
NOTE: For Rivet nut installation instructions refer to our resources page: www.firstlightsafety.com/resources



STEP 4 - SILICONE (D) PERIMETER OF OPENING

- Apply a continuous bead of Silicone (D) around the opening.

NOTE: Ensure the bead is continuous for a weather resistant seal.



STEP 5 - PRESS BACKSHEET TEMPLATE (B) INTO SILICONE (D)

- Locate the Backsheet Template (B) to the cap and press it into the Silicone (D).

NOTE: Ensure the Backsheet Template (B) is level and the holes in the Backsheet Template (B) line up with the Rivet Nuts (C).



IC Open Cavity

STEP 6 – RUN POWER HARNESS THROUGH HOLE

- i. Run the power harness from the Sign Unit (A) through the harness hole in the Backsheet Template (B).



STEP 7 - SEAT GROMMET

- i. Ensure the grommet seats properly with the installed Backsheet Template (B) to form a weather resistant seal.



STEP 8 - MOUNT SIGN UNIT (A)

- i. Mount the Sign Unit (A) using the frame's integrated screws.

NOTE: Recommended torque is 25-40 in-lbs.



STEP 9 - ELECTRICAL CONNECTION

- i. Unplug the connectors leading to each of the bulbs from the current illuminated sign.
- ii. Plug the Sign Unit (A) into any one of the unplugged connectors.



STEP 10 - TURN ON SIGN UNIT (A)

- i. Ensure no wiring has been damaged and once safe, restore electrical power to the vehicle.
- 1.** If wired directly to a 12V circuit powered by the ignition switch: turn the vehicle on and ensure the Sign Unit (A) illuminates.
- 2.** If wired through a manual switch to a 12V circuit powered by the ignition switch: turn the vehicle on, turn the switch on, and ensure the Sign Unit (A) illuminates.

