



FRONT: **INTERNAL MOUNT** · REAR: **INTERNAL MOUNT**

Coach Bus

School Bus Light Kit — Installation Guide



BEFORE YOU START

- Read every step in full before beginning any wiring or drilling.
- Disconnect the battery negative terminal before making any connections.
- Two-person job recommended when feeding the loom through the headlining and A-pillar.
- Always verify door-sensor polarity (Section 2.4) with a multimeter before connecting — incorrect polarity will not trigger the warning lights correctly.

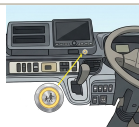
KIT ITEMS

1. SB001B Front Wig-Wag lights
2. SB001B Rear Wig-Wag lights
3. LCM100 Electronic control box
4. SBKIT1 Complete loom
5. SB9015 Front signage
6. MC3040 or MC3060 Rear signage
7. Dash switch

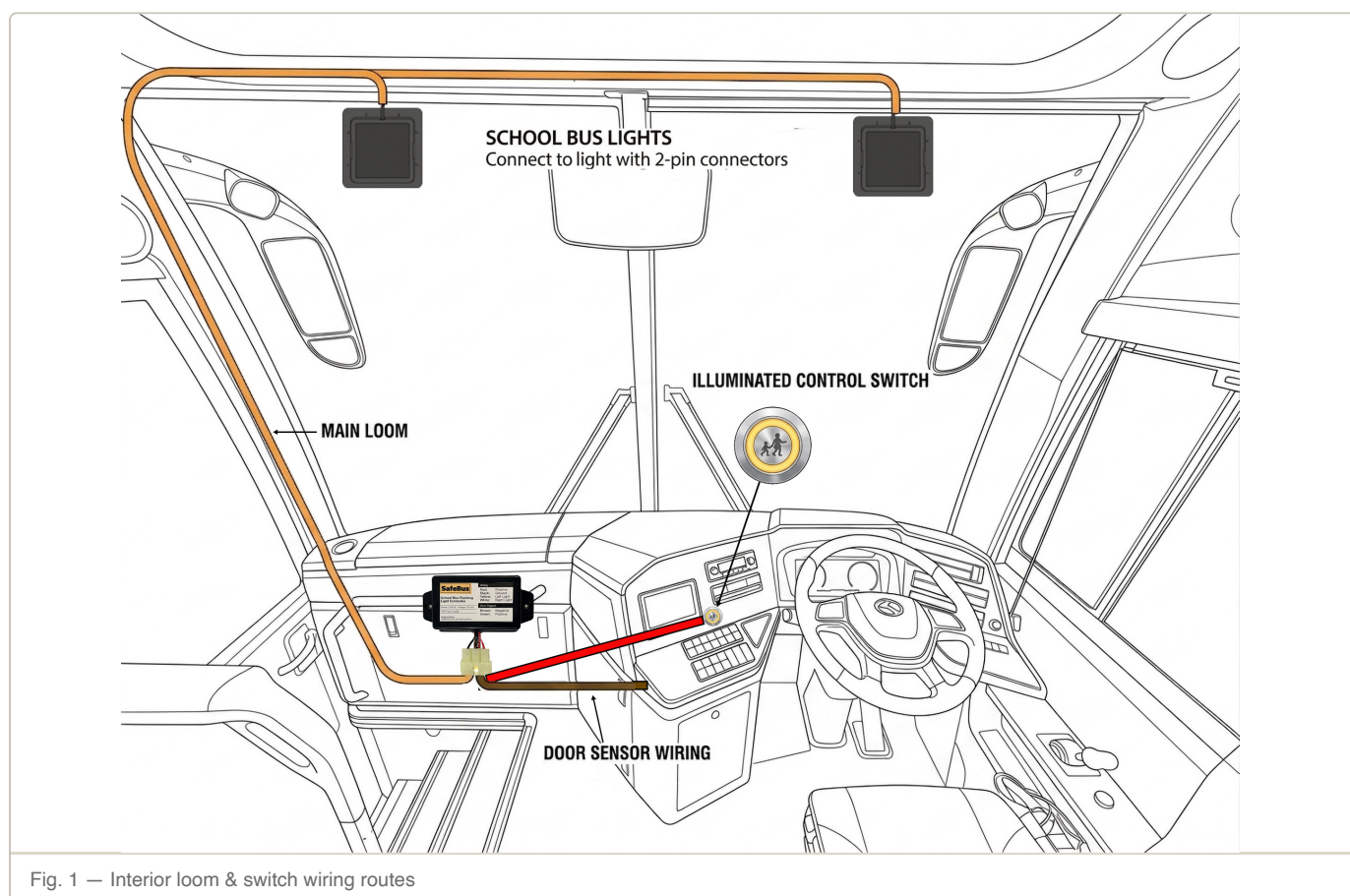
TOOLS & MATERIALS

- 18–20mm hole saw
- Wire strippers & terminal crimper
- Cable ties
- Trim removal tool
- Multimeter (polarity check)
- Supplied 2-pin & 3-pin connectors

PACKAGE CONTENTS

						
SB001B Front light	SB001B Rear light	LCM100 Control box	Dash switch	SB9015 sign	Mother & child sign	SBKIT1 — Loom

SUGGESTED CABLE RUNS



Tip: to make loom installation easier, cut it at the white tag markers, feed it through the bus, then rejoin using the supplied 3-pin connectors.

1 Signage & lights

1.1 — Front signage & lights

1. Start by putting the School Bus sign on the front of the bus. Measure from either side of the windscreen and mount the sign centrally. See Fig 2.
2. From the inside of the bus, stick the SB001B lights on the windscreen being careful to avoid having the light in the sweep of the windscreen wipers. To comply with regulations, the lights should be no further than 100mm from the edge of the sign. See Fig 2.
3. Remove (or run the cables inside) the passenger side A-pillar trim and run the cables from the lights through this area.



Fig. 2 — Sign & lights fitted, front view

1.2 — Rear signage & rear lights

1. Align and fit the Mother & Child signage centrally. See Fig 3.
2. On the inside of the bus, stick the lights on either side of the signage. To comply with regulations, the lights should be no further than 100mm from the edge of the signage.
3. Connect the lights to the main loom using the supplied 2-pin connectors



Fig. 3 — Sign & lights fitted, rear view

2 Wiring

2.1 — Front to back

1. Remove any plastic trim on the left side of the dash to be able to run cables for the main loom.
2. Run the loom from the fuse area to the driver's side A-pillar, then to the rear of the bus through the headlining or air vents. This is typically the point where the loom is cut and rejoined with the 3-pin connectors.
3. At the rear of the bus, the loom may also be cut to ease passage through to the rear lights
4. Connect the black GND wire to chassis ground.
5. One power option is the fusebox. Connect the red +V wire to a fuse in the fuse box. Check with a multimeter for ignition power.
6. Connect the supplied 6-way connector to the LCM100 switching box.

2.3 — Door sensor

Depending on the bus model, the door sensor may be positive or negative.

Positive door signal → connect green wire

Negative door signal → connect brown wire

Note: on certain bus models an additional blocking diode may be required.

2.4 — Switch

1. Using an 18–20mm hole saw, cut a hole in the dash and insert the supplied switch. See Fig 4 for suggested position.

Note: Make sure the location chosen has enough space behind to fit the barrel of the switch.

2. Connect the switch to the grey connector

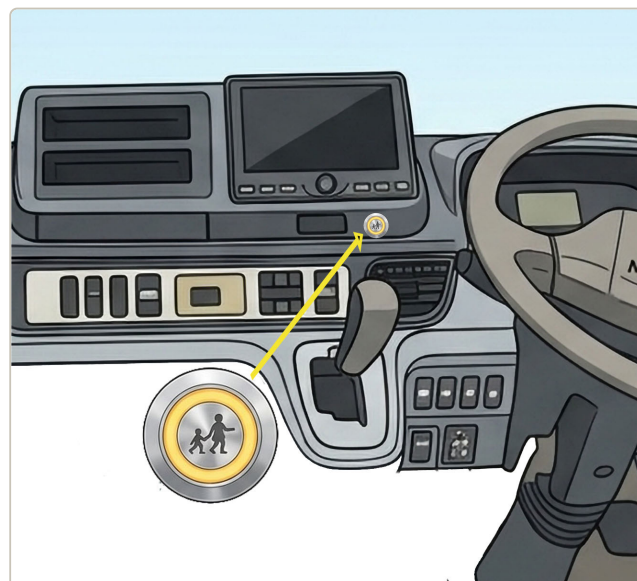


Fig. 4— Example switch location on dash

REFERENCE — FLASHING CONTROLLER WIRING

WIRE	FUNCTION
Red	Positive
Black	Ground
Yellow	Left light
White	Right light
Brown	Door sensor — negative
Green	Door sensor — positive

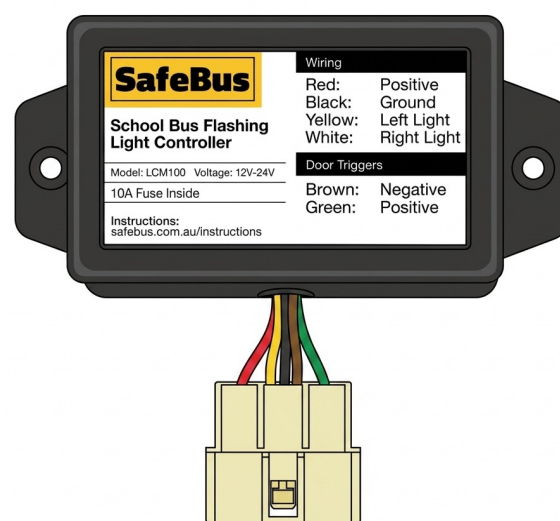


Fig. 6 — Control box wiring reference