



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

LDV Deliver 9

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. SB001A Rear Wig-Wag lights
3. LCM100 Electronic control box
4. SBKIT1 Complete loom
5. SB7718 Front signage
6. WLF & 40km Rear signage
7. Dash switch
8. Door sensor assembly

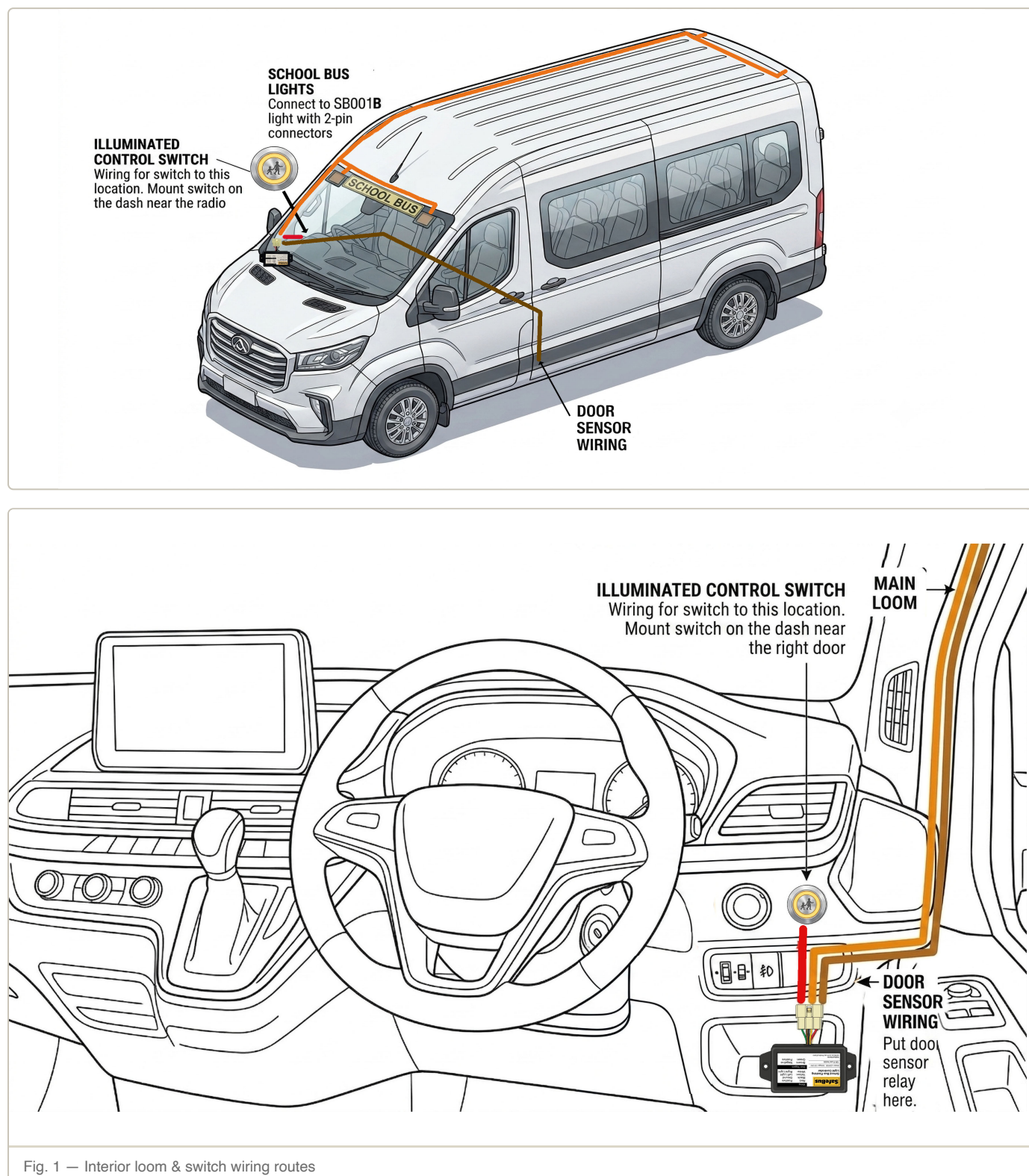
TOOLS & MATERIALS

- 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	SB001A Rear light	LCM100 Control box	Dash switch	SB7718 — SCHOOL BUS sign	40km & WLF sign	SBKIT1 — Loom	RELAY — Coaster relay

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. Stick the SCHOOL BUS sign at the very top of the windscreen

Note: Some models have an ADAS camera in this area that may require trimming of the sign

2. On the inside of the windscreen attach the **SB001B** front lights on either side of the SCHOOL BUS signage, mounting them within 100mm of the sign and visually confirm that they are level with the road.
3. If possible, make sure the top flange of the light is under the headliner. Run the cables through the headliner to the driver's side A-pillar
4. Use the supplied 2-pin connectors to connect the lights to the main loom (see Step 2 for loom runs)

1.2 — Rear signage & rear lights

1. As there are barn doors at the back of the LDV, cut the 40km & WLF decal in half & attach as per Fig. 3
2. Attach the SB001A lights above the rear glass. See Fig 3 for reference.
3. Open both barn doors and remove the trim pieces. Run the light cables down through the door frame and out to the rubber boot connecting the door to the bus chassis. See Fig 4 for details
4. Connect the lights to the main loom using the supplied 2-pin connectors

Note: light cable extension may be required



Fig. 2 — Sign & lights fitted, front view



Fig. 3 — Rear decal placement, barn doors

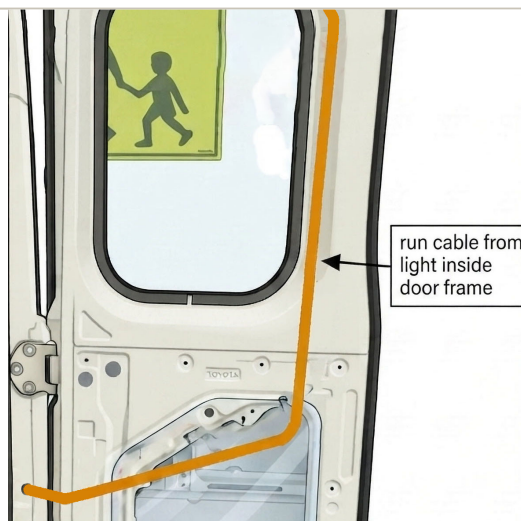


Fig. 4 — Barn door frame cable routing

2 Wiring

Tip: Refer to Fig 1 on page 2 for additional information on suggested cable runs before starting

2.1 — Front to back

1. To the right of the steering wheel, remove the cup holder and trim covering the fuse panel. Mount the LCM100 module in this area.
2. Run the loom from the fuse panel area to top of the A-pillar 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 getting the cables through the rubber boots to the rear lights.

2.2 — Switch

1. Using an 18–20mm hole saw, cut a hole in the dash and insert the supplied switch. See Fig 6 for suggested position
2. Connect the switch to the grey connector



Fig. 6 — Switch location on dash

2.3 — Door sensor

The door sensor is connected via the supplied relay. Mount the relay near the LCM100 and connect the black wire to ground and run the twin core cable to the light near the sliding door footwell. Connect the red wire to one side of the light and the black wire to the other side. See Fig 5.

Note: When the bus has been sitting idle for some time or the door has been left open, the light may go off. During normal pick-up & drop off operation, it will function correctly.



Fig. 5 — Door sensor assembly wiring

REFERENCE — FLASHING CONTROLLER WIRING

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

