



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

Mitsubishi Rosa (2019+)

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. SB006 Front Wig-Wag lights
2. SB001A Rear Wig-Wag lights
3. LCM100 Electronic control box
4. SBKIT1 Complete loom
5. SB7718 Front signage
6. MC3040 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



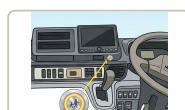
SB006 Front light



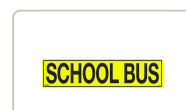
SB001A Rear light



LCM100 Control box



Dash switch



SCHOOL BUS sign

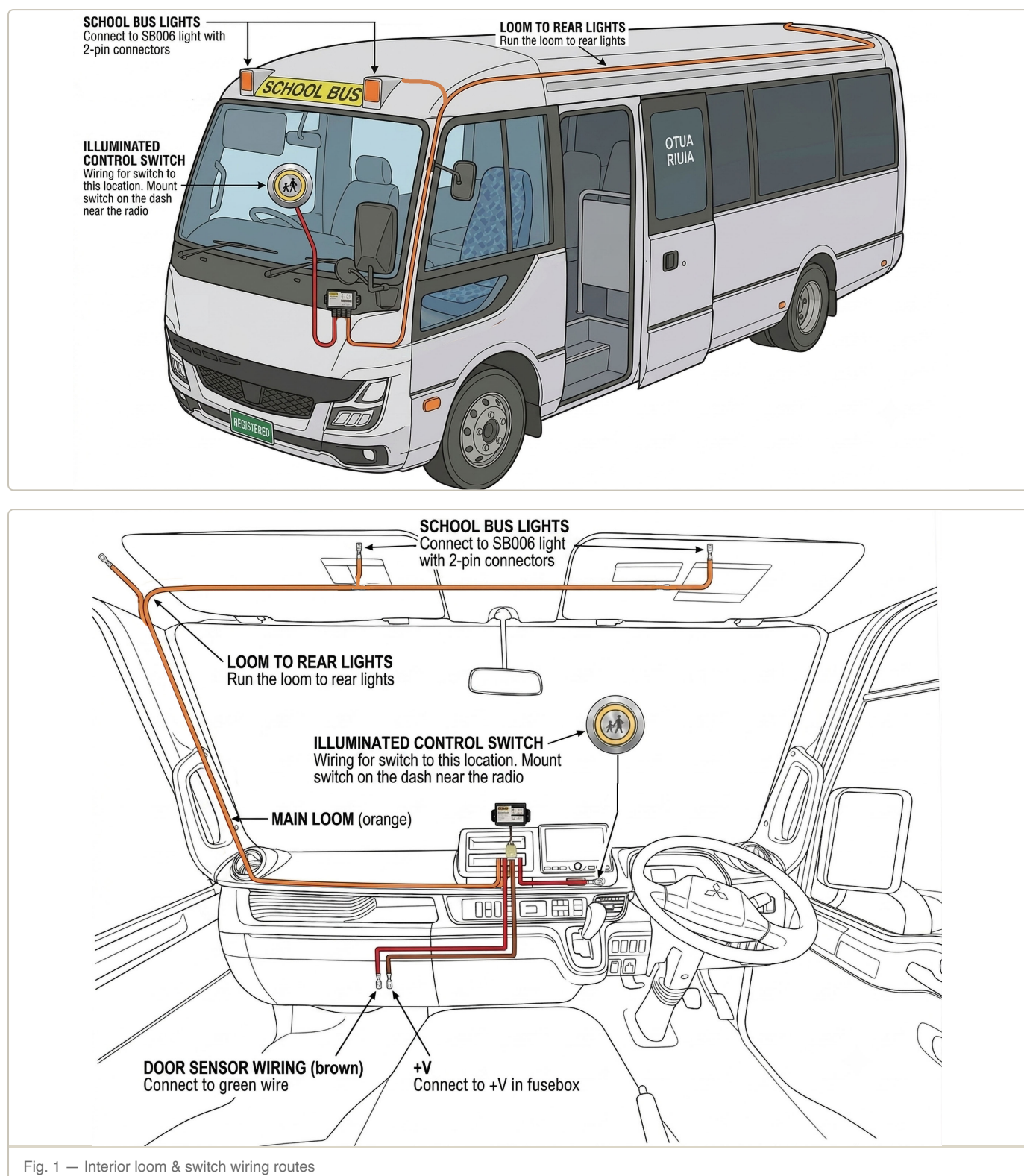


Mother & child sign



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. Stick the SCHOOL BUS sign centrally to the top of the bus, above the windscreen. See Fig 2.
2. Attach the **SB006** front lights with mount on either side of the SCHOOL BUS signage, within 100mm and visually confirm that they are level with the road.
3. Drill 4x 3mm holes for mounting and a 6mm hole for the cable
4. Attach the **SB006** lights with pop rivets or stainless steel screws, applying UV stabilised silicone
5. On the inside of the bus, remove the glovebox(es) in the ceiling/headlining (if present)
6. Run the cables inside the bus and crimp the 2-pin connectors on the ends.



Fig. 2 — Sign & lights fitted, front view

1.2 — Rear signage & rear lights

1. Stick the rear Mother & Child signage centrally above the rear glass.
Note: if a reversing camera is present, cut a rectangular hole in the signage and stick the signage around the camera. The rectangular piece can be stuck to the camera frame.
2. Drill holes & mount the lights above the rear glass, on either side of the signage, making sure that both lights are no more than 100mm away from the sign & the same distance to the sign on either side. See Fig 3 for reference.
3. Connect the lights to the main loom using the supplied 2-pin connectors



Fig. 3 — Rear decal placement, rear doors

2 Wiring

2.1 — Front to back

1. Remove the plastic trim on the left side of the dash, in front of the passenger seat. Remove one screw on the bottom left and one plastic clip on the side of the trim.
2. Remove the trim on the A-Pillar.
3. Run the loom from the dashboard to the 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.
4. At the rear of the bus, the loom may also be cut to ease passage through to the rear lights

2.2 — Glove box area

1. Below the plastic trim on the left side of the dash, connect the black GND wire to ground.
2. 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.
3. Connect the supplied 6-way connector to the switching box.

2.3 — Door sensor

On the left side of the dash access the door control relay. Locate the green wire (NOT the green wire with white tracer) and confirm that the wire is pulled low when the door is open. Connect the green wire to the brown wire on the loom. See Fig 5.

Note: on certain Rosa models a 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 3a 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

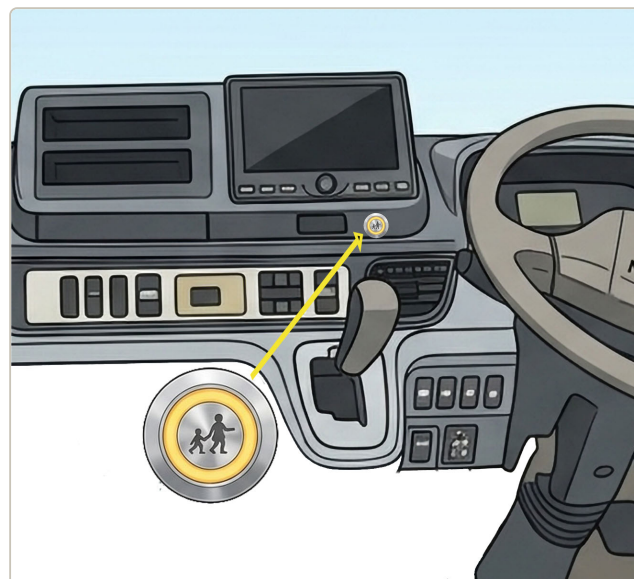


Fig. 4— Switch location on dash

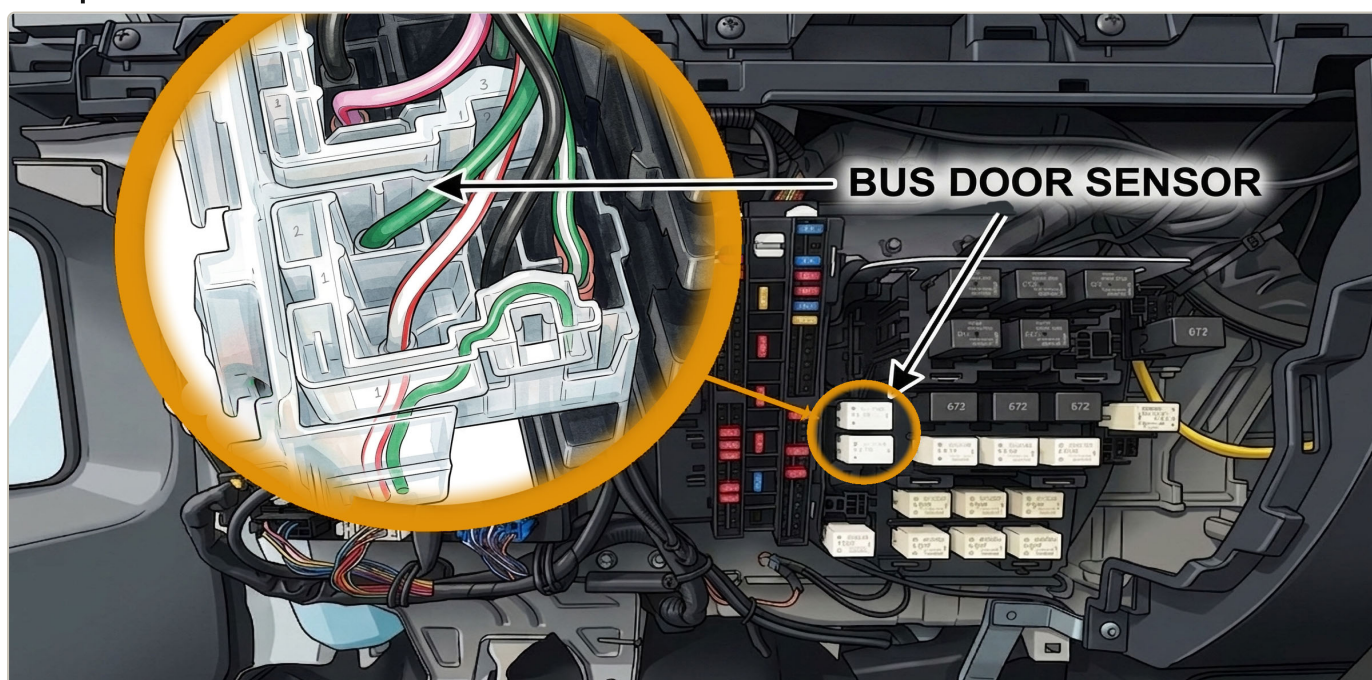


Fig. 5 — Door sensor location