



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

Toyota Coaster (2017+)

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.

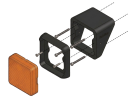
KIT ITEMS

1. SB003 Front Wig-Wag lights
2. SB001B Rear Wig-Wag lights
3. LCM100 Electronic control box
4. SBKIT1 Complete loom
5. SB7718 Front signage
6. MC3040 Rear signage
7. Dash switch
8. Door sensor assembly

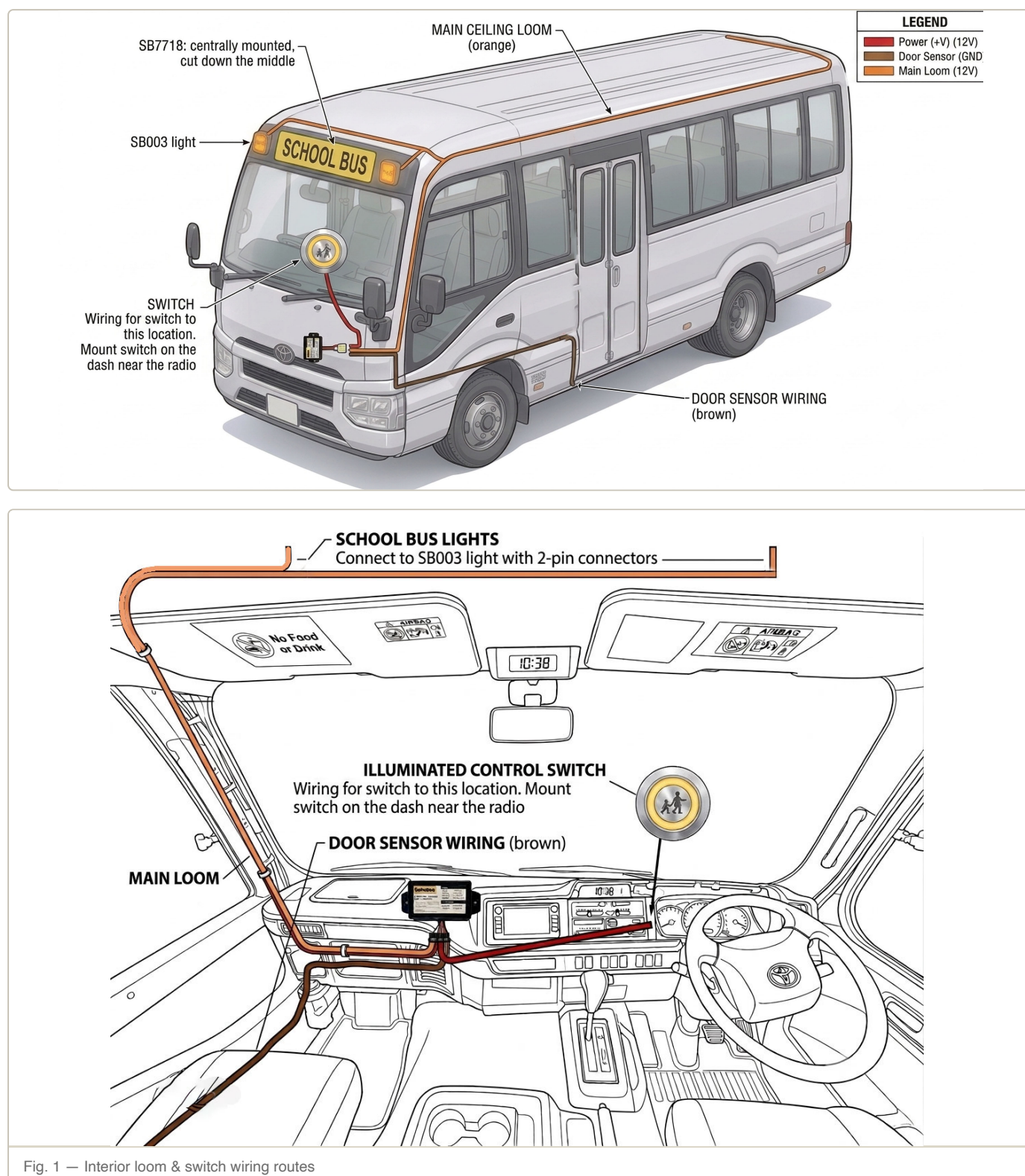
TOOLS & MATERIALS

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

PACKAGE CONTENTS

							
SB003 Front light	SB001B 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. Remove the black plastic trim above the windscreen, see Fig 2.
2. Cut the SCHOOL BUS sign in half & stick it to the two halves of the black trim
3. Attach the **SB003** front lights on either side of the SCHOOL BUS signage, mounting them within 100mm of the sign. First attach the mounts with 4 screws and then fasten the black frame with the supplied M6 screws. Drill a hole for the light cables through the plastic trim.
4. Run the cables from the lights through the black rubber grommets above the windscreen.
5. On the inside of the bus, remove the climate vent above the driver. Locate the light cables that were inserted through the grommets and pull them through.
6. Use the supplied 2-pin connectors to connect the lights to the main loom (see Step 2 for loom runs)

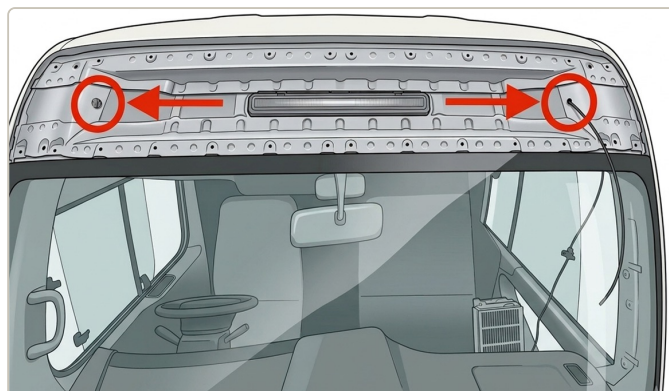


Fig. 2 — After removing plastic trim above windscreen, run cables through these grommets



Fig. 3 — Sign & lights fitted, front view

1.2 — Rear signage & rear lights

1. On the left barn door (passenger side), stick the 40km sign at the top of the glass. Just above it, stick the WLF signage. See Fig. 4 for reference
2. Stick the lights on the inside of the rear glass, one either side of the barn doors. see Fig 4 for reference.
3. Connect the lights to the main loom using the supplied 2-pin connectors



Fig. 4— Rear decal placement, barn doors

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. Remove the plastic trim around the glove box and A-pillar moulding.
2. Run the loom from 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.
3. 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 glove box, connect the black GND wire to ground.
2. One power option is below the glove box. 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.

REFERENCE — FLASHING CONTROLLER WIRING

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

2.3 — Switch

1. Using an 18–20mm hole saw, cut a hole in the dash and insert the supplied switch. See Fig 5 for suggested position
2. Connect the switch to the grey connector

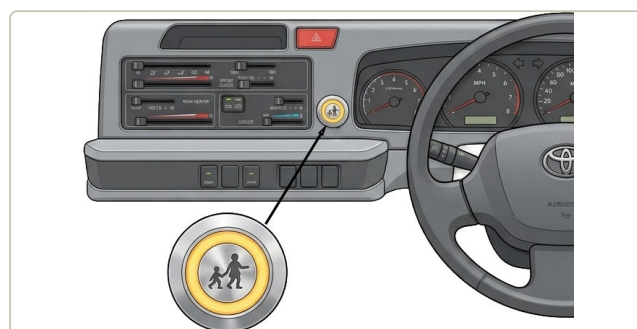


Fig. 5 — Switch location on dash

2.4 — Door sensor

The door sensor is connected via the supplied relay. Connect the black wire to ground and run the twin core cable to the light near the swing/concertina door footwell. Connect the red wire to one side of the light and the black wire to the other side.



Fig. 6 — Control box wiring reference