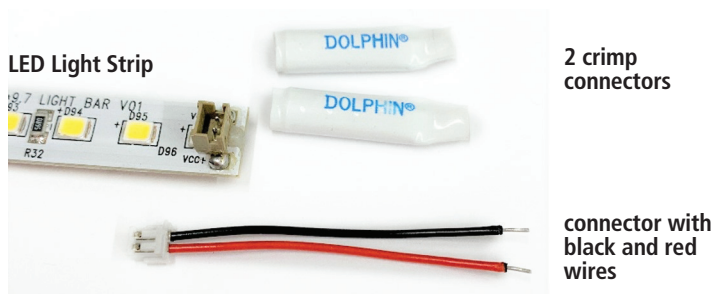


Foredom MALB-1 LED Light Bar – LED strip replacement Instructions

LED lights may become damaged by external physical stress, extreme temperatures, static electricity or excess current/voltage from the supply. Follow these instructions carefully to replace the LED strip in a Foredom MALB-1 Light Bar.



1. Repair Kit Inspection

Unpack the repair package that you received from Foredom and make sure you have the following:

1) A new replacement LED strip.

Note: The new LED light strip that you received from Foredom may look slightly different from the original that you have. Newer LED light strips have improvements and are designed to fit all previous MALB-1 LED light bars.

2) Crimp Connectors (2 pcs)

3) A connector with black and red wires.

You will need:

Phillips screwdriver (+)

Pliers

Scissors or wire cutter

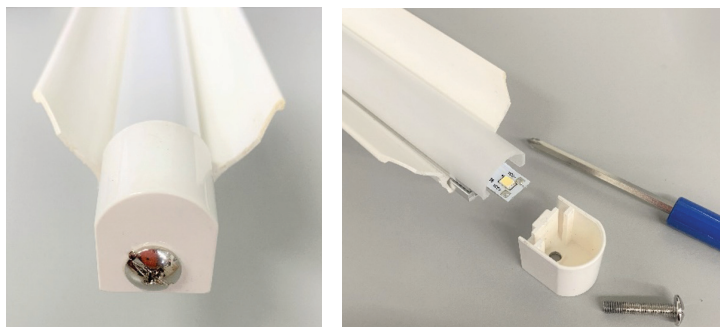
Utility knife or hobby knife

2. IMPORTANT

1) **Follow each step in sequential order only. Don't go to the next step before completing the previous step.**

2) **Unplug the AC power adapter (power plug) from the power outlet before beginning the repair.**

3) **Caution:** Some internal parts of the Light Bar are delicate. Don't apply too much pressure or force to the parts.



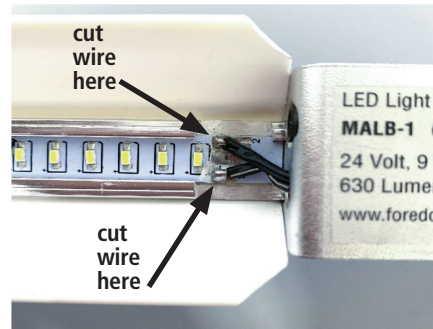
3. Disassembling the Light Bar

1) On one end of the Light Bar, there is an endcap mounted with a screw. Use the screwdriver to unscrew it. Pull off the endcap from the light bar, as shown above. **Save these pieces.**



4. Removing the faulty LED Strip

At the other end of the Light Bar, the LED strip has 2 wires soldered on to it: A Black wire with a white line (Positive) and a Black wire (Negative)



Carefully detach the 2 wires from the LED strip. **IMPORTANT: Keep the wires as long as possible!** These wires will be used to connect to the replacement LED strip. Be sure to cut the wires as close as possible to the LED strip by using scissors or a wire cutter.

To remove the LED strip, slide it off toward the end where the endcap was.

5. Mounting the replacement LED strip

Use a utility knife or hobby knife to strip the ends of the Black wires.

1) Very carefully score the insulation or outer cover of the wire about 1/2" (1 cm) from the end. **Be sure to avoid cutting the the wires inside it.** When you have made a shallow groove in the insulation all the way around the wire, peel or slide the insulation off the the end of the wires.

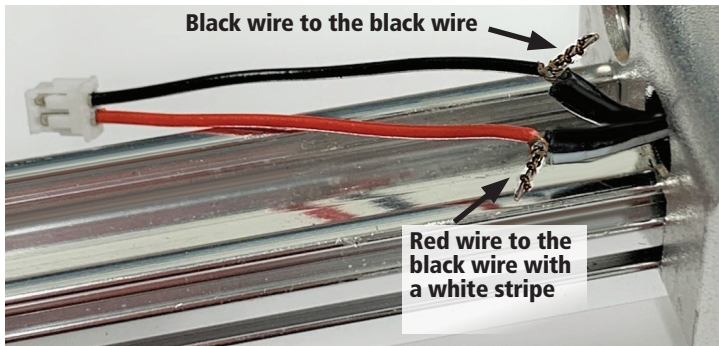


Step 5 continued

2) Use the supplied connector with red and black wires and connect them to the black wires in the Light Bar by twisting them together tightly, as shown.

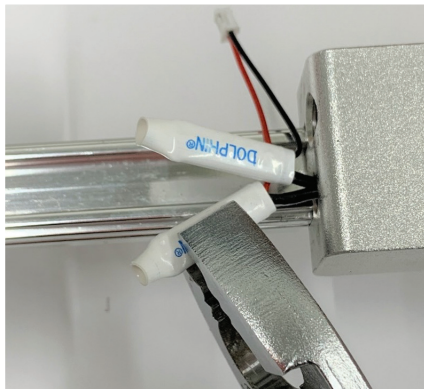
IMPORTANT:

**Connect the Red wire to the Black wire with a white stripe.
Connect the Black wire to the Black wire.**

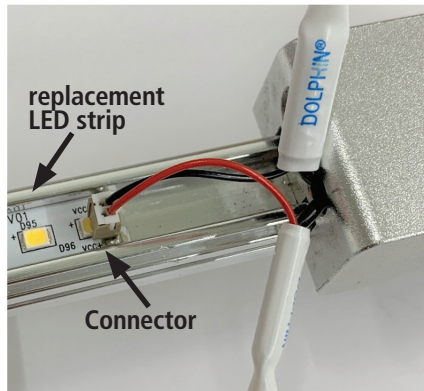


Caution:

A wrong connection will damage the new LED strip!



Slide the 2 supplied crimp connectors over each twisted wire connection end and crimp them using pliers.



Slide the new replacement LED strip into the light bar. One end has an outlet for the new connector on the red and black wires. Slide that end in first.

Connect the white connector at the end of the wires to the replacement LED strip.

5) **Using your fingers, only**, carefully replace the outer plastic cover (light diffuser) to cover the LED light strip, the new wires and connectors you have installed. Avoid applying too much pressure or force. You can start on one edge or at the end and gradually ease it into place.

Be careful not to crack or damage the new LED strip.



6) Re-attach the endcap and the screw. Fingertightening the screw is enough, **do not overtighten!**

6. Test the Light Bar

1) After all these components are installed, connect the AC power adapter to the power outlet and turn on the Light Bar.

2) The Light Bar will work at this point.

Note: You May see a shadow at the edge of the Light Bar. This is due to the crimp connectors blocking the light. This is not a defect.



Discard the faulty LED light according to your local regulations. LEDs do not contain hazardous chemicals, so it is safe to throw them away in the trash. Some of the components in LED bulbs may be recyclable.

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