

# Aztec Track Master™ Life-Like® Erie Built

## Track Master™ FRAME TM3026

### Tools needed to do the job:

Small Phillips screwdriver / Soldering iron / X-Acto® knife / Ruler / Wire strippers / Safety glasses

- First test the decoder. Use test kit and follow the manual that comes with the decoder.
  - Once you have confirmed that the decoder is operating properly, cut each of the wires coming from the decoder to the lengths given in the following table:
- |       |        |        |        |        |        |
|-------|--------|--------|--------|--------|--------|
| Black | 1 7/8" | Blue*  | 1 7/8" | Orange | 1 7/8" |
| Red   | 1 7/8" | White* | 1 7/8" | Gray   | 2 1/2" |

**NOTE: For decoders with a transponder use BLUE wire and cut same length as the WHITE one. Solder to opposite side of light and isolate from frame with a cut in the trace.**

- Now strip 1/16" insulation from the end of each wire.
- Completely disassemble the locomotive.
- Remove the motor from frame. Make sure to mark motor so you know which is the top. Remove the brush retaining caps, being very careful not to lose the springs or brushes.
- Pry the brush holders up from the motor housing and remove the contact strips and set aside.
- Solder ORANGE and GRAY wires to the brush holders.

**NOTE: Soldering of wires to brush holders must be compact to ensure enough spacing to be free of both frame halves.**

- Remove bulb from light board. Attach the BLACK and RED wires to board as shown (Fig. 1). Solder WHITE and BLUE wires to bulb.

**NOTE: If using a LED cut WHITE wire 1" long and the BLUE wire 1 1/4" long. We used a T1300 mcd white LED from Electronic Goldmine and a 470 ohm 1/8 watt resistor.**

- Replace the brushes, spring and brush holders (ORANGE wire to top of motor).
- Your decoder and motor are now ready to be installed into the Track Master frame. With the right mainframe laid out in front of you (front to your left) install the motor with the GRAY wire on the bottom and ORANGE wire on the top. Guide the GRAY wire around the right side of the motor so that it lines up with the groove in the right mainframe. Inspect brush holders and wires to make sure they are not touching frame.
- Try turning the flywheels. The motor and flywheels should spin freely.
- Install front and rear worm assemblies. Install the front and rear insulating bushings. Again check motor and flywheels for free movement. Place left mainframe onto the right mainframe.
- Install front and rear nuts and screws but do not tighten. Install the truck assemblies. Now tighten screws.
- Install the body with care as it may be a snug fit.
- Test the locomotive as directed in the manual.

**NOTE: If locomotive runs in the wrong direction, the motor may be in upside down. Remove brush wires and turn motor over. Replace wires and test again.**

**NOTE: Keep in mind that whenever modifying your locomotive you void the factory warranty.**

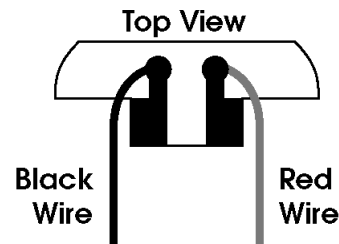


Fig. 1

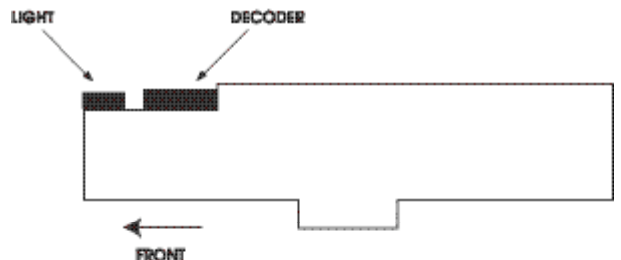


Fig. 2



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