

Aztec Track Master™ Life-Like® PA1 or PB1

Track Master™ FRAME TM3032

Tools needed to do the job:

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

- First test the decoder. Use the test kit and follow the instruction 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:

A UNIT:	Black	3 7/8"	Red	3 7/8"	White	4"
	Orange	2 3/4"	Gray	1 1/4"		
B UNIT:	Black	4 1/4"	Red	4 1/4"		
	Orange	2 3/4"	Gray	1 1/4"		

- Now strip 1/16" insulation from the end of each wire.
- B Unit only: Strip 3/8" insulation from ends of BLACK and RED wires.
- Completely disassemble the locomotive.

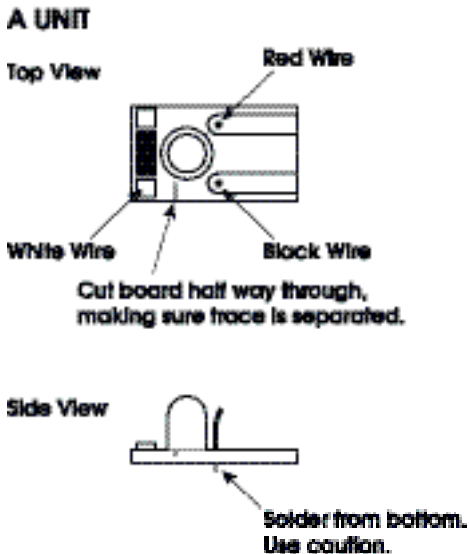


Fig. 1



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- When removing the motor from frame make sure to mark it so you know which is the top.
- Pry the brush holders up from the motor housing and remove the contact strips. Be careful not to lose the springs or brushes.

- Solder the ORANGE and GRAY wires to the brush holders.

NOTE: Soldering to brush holders must be compact. You do not want them touching frame halves.

- **A Unit Only:** With parts side up, cut trace in light board. Solder WHITE, RED and BLACK wires to light board. (See Fig. 1.)

- **B Unit Only:** Strip RED and BLACK wires and tin them. Fold back and forth in 1/8" segments. Squeeze together and solder. File to fit light board slot in frame. (See Fig. 2.)

- Replace the brushes, spring and brush holders (GRAY 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 ORANGE wire on the bottom and GRAY wire on the top. Guide the ORANGE 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 be sure they are not touching frame.

- Try turning the motor. It should spin freely.

- Install front and rear worm assemblies. Install the front and rear insulating bushings.

Note: Do not use force. Front insulation bushing is keyed to the left frame half. Check orientation.

- 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 and check motor and flywheels for free movement.

- Glue or tape head light bulb to front of frame.

- Install the truck contact strips and fuel tank.

- Install the body with care as it may be a snug fit.

- Test the locomotive as directed in the owners manual.

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

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

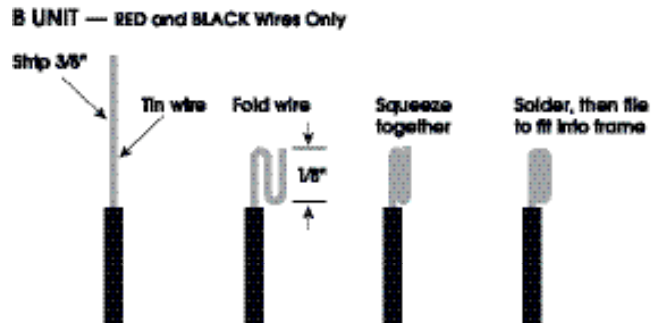


Fig. 2