

Aztec Track Master™ Atlas® Classic GP40

Track Master™ FRAME TM3015

Tools needed to do the job:

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

- First test the decoder per manufacturers instructions.
- Once you have confirmed that the decoder is operating properly, cut each of the wires to the lengths given in the following table:

Black	2 1/16"	Yellow	1 5/16"	Orange	1 3/16"
Red	2 1/16"	White	2 5/16"	Gray	2 9/16"

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 of the wires.
- Completely disassemble the locomotive.
- Remove the motor from the motor saddle. Make sure to mark motor so you know which is the top. Pry the brush holders up from the motor housing and remove the contact strips and discard. Be careful not to lose the springs or brushes.
- Solder the ORANGE and GRAY wires to the brush holders.

NOTE: Soldering of wires to brush holders must be compact to ensure enough space to be free in motor saddle.

- Lay rear light board (607-001R1) out in front of you, parts side down. With a sharp hobby knife make a cut in the circuit trace as shown (Fig. 1). Drill .026" diameter hole as shown in Fig. 2. Unsolder resistor at the end away from the LED. Resolder in new hole you just drilled. File two 1/2-round notches in light board as in Fig. 1. Solder the BLACK wires in the hole that the resistor was in per Fig. 3 and RED wire as shown (Fig. 3). Solder WHITE wire to light board as shown (Fig. 3). Unsolder parts from front light board and resolder in line for rear light per Fig. 3.

- Replace the brushes, spring and brush holders (GRAY wire to bottom 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. Inspect brush wires to be sure they are not touching frame.

- Pick up the mainframe and try turning flywheels. The flywheels should spin freely.

- Install front and rear worm assemblies. Install the front and rear insulating bushings. Again check flywheels for free movement. Place left mainframe on to the right mainframe.

- Install front and rear nuts and screws but do not tighten. Install the truck assemblies. Now tighten screws.

- Install contact strips and fuel tank.

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

- Test the locomotive as directed in the decoder manual.

NOTE: If locomotive runs in 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.

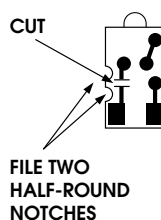


Fig. 1
FILE TWO HALF-ROUND NOTCHES

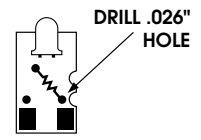


Fig. 2
DRILL .026" HOLE

Fig. 1

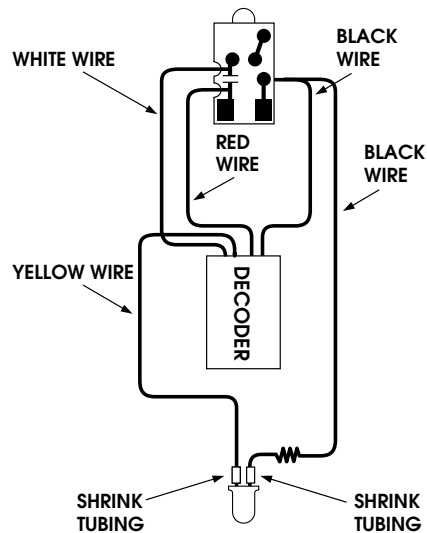


Fig. 3

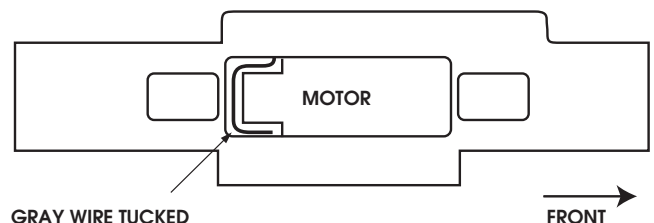


Fig. 4
GRAY WIRE TUCKED INTO SPACE BETWEEN FRAME AND MOTOR

VIEWED FROM RIGHT SIDE

Fig. 4



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