

Conversion of a Bachmann "Big Hauler" 4-6-0 Large Scale Locomotive to an Anniversary chassis and Revolution remote control with (optional) Lithium-Ion Battery Power.

Parts List:

- Bachmann "Big Hauler" 4-6-0 "standard" Locomotive.
- Bachmann 4-6-0 "Anniversary" Chassis (select the Anniversary chassis that best matches your "standard" Locomotive body).
- Precision RC Train Engineer "Revolution" 2.4GHz DSSS On Board Receiver w/Steam Sound.
<https://www.rldhobbies.com/rev-57002ss.aspx>
- Blue Tom Non Plug & Play Board w/circuit breaker protection.
<https://www.rldhobbies.com/rld-bta.aspx>
- (Optional) 14.8V 6700mah Lithium-ion Battery-Pack.
<https://www.rldhobbies.com/hje-4s2p.aspx>
- Speaker - 3 Watt 8 Ohm Compatible, JST-PH2.0 Interface.
https://www.amazon.com/gp/product/B0738NLFTG/ref=ppx_yo_dt_b_asin_title_o03_s00?ie=UTF8&psc=1
- Connectors - 22 AWG JST SM 2 Pin Plug Male and Female.
https://www.amazon.com/gp/product/B06WGN56V2/ref=ppx_yo_dt_b_asin_title_o00_s00?ie=UTF8&psc=1
- Miscellaneous 22 AWG insulated wire (red, black, green, white).
- Heavy Duty Velcro.
- Small machine screws (#1-72 x 3/16").
- Small pan head Phillips sheet metal screws (#4 x 3/8").
- Heat shrink tubing (various diameters and lengths).
- Small cable (aka "zip") ties.
- Two DPDT (Double Pole, Double Throw) switches (you may be able to recycle them from the standard Locomotive and Anniversary chassis).

Tools Needed:

- Phillips screwdrivers (Phillips #0, #1, and #2).
- A selection of small "Flat blade" regular screwdrivers.
- Soldering Iron with Rosen core solder.
- Heat Gun (you might be able to use a hair dryer as a substitute) to activate the heat shrink tubing.
- A set of small pliers, including wire cutters, and insulation strippers.
- Thin flexible saw (Xacto Precision Razor Saw).
- Dremel rotary tool with an assortment of cutting/grinding tools.