

Adding LEDs to 1:43 scale diecast Police Cars

There are variations in the headlights and tail light designs in the different model diecast cars, which will require slight changes in this procedure, this is a general guide.

Installation Tools

Evan Designs LEDs
in your choice of colors



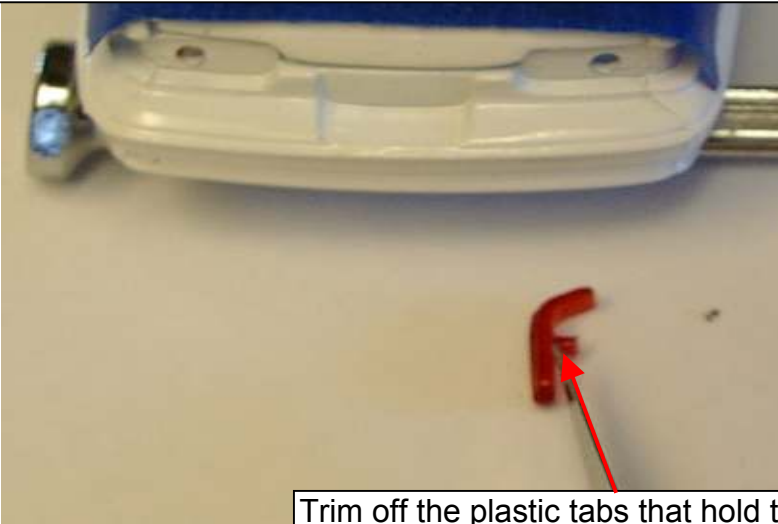
Evan Designs Diecast Police Car Kit
Drill – preferably variable speed
small Phillips screwdriver
duct tape

sharp 7/64" and 1/8" drill bits
Painters Tape
Silicon glue such as Goop

Tape the windows, roof, trunk, and hood with painter's tape to prevent scratches during installation.

Turn the car over and remove the 2 or 3 small Phillips screws in the bottom of the chassis.

Pop off the Headlight and taillight lenses and grill. These lenses are held in place by extra plastic on the inside of the diecast body. This extra material inside the car can be cut away with a hobby knife, or heated up with a soldering iron and pulled off.



Trim off the plastic tabs that hold the lenses to the diecast car.

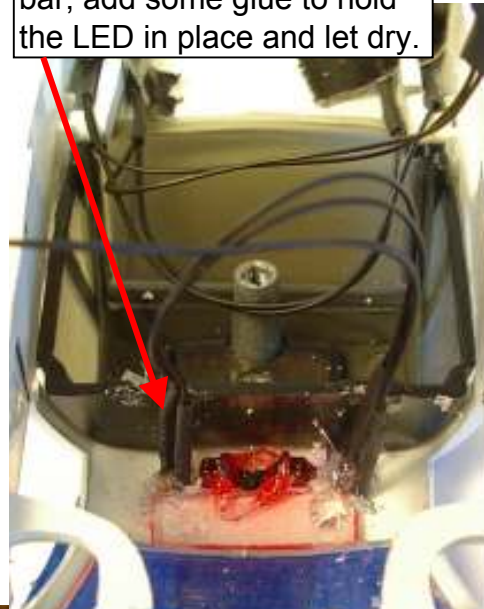
We prefer a slow speed portable drill for these operations. From the outside of the car, use a 7/64" drill bit to widen the holes for the headlight and taillights. This size drill bit will not let the LED pass through, but will center the LED in the hole, letting it shine through nicely. Center the headlight and taillight LEDs in place in your drilled-out openings and use silicon

glue to hold them in place. Put the lens back on at the same time with the Silicon glue. Use a small piece of duct tape to secure the LED wiring.



From the inside of the car drill holes on either side of the tab holding the top lightbar in place using a 1/8" drill bit. You will drill through the roof and into both sides of the light bar and 1/2 way into the lens. When you get most of the way through the roof proceed very slowly to avoid going through the light bar. If you are not sure of this step, pop off the light bar, drill through the metal roof, put the light bar back on. It will be easier to drill into the lens to the right depth. When the LED is inserted in the hole the LED should be visible inside the bar.

Push the LEDs into the top bar, add some glue to hold the LED in place and let dry.



ReAssembly



Drill a hole in the plastic floor of your car and thread the wires through. Depending on the model you may also need to drill a hole through a seat, or through the trunk to allow all wires to pass out the same hole. Put the plastic chassis back in place. Screw the car back together. Hook the wires to any 18 Volt or less power source.