

## N Scale Instructions

**The tools and supplies that are required** - ruler with increments that go right to the edge and in metric / Gel Super Glue. The brands that I found to work well are LOCTITE / Lepage, found at Home Depot see photo # 1 / Acrylic paint to match your car and paint brush / black sharpie / Sharp pointed tweezers / fine grit sand paper or emery cloth / Tooth picks / Needle nose pliers / side cutters / set of Jewelers screwdrivers / new razor blade / scissors / cardboard from cereal boxes / masking tape / some track /



**These instructions are illustrated on North American Railcar Corporation Coal / Sulphur hopper car with body mounted Couplers, and Cylindrical covered hopper car with truck mounted couplers .**

**Step #1 - Remove the trucks. Using your side cutters trim the trip pin by taking the coupler off the car so you can trim the trip pin as short as you can and the coupler still functions, also remove any original hose detail - see photo # 2**



**Step #2 - Using the supplied wire. Use your needle nose pliers 3/16" away from the end, bend it at a right angle. See photo # 3**



**Step #3 - Now we can trim it to the right size cutting the long end of the wire so that the bent end is flush with the end of the coupler box and the short side is flush with the bottom of the coupler shank. See photo #4. It is very important to keep it as flush as you can with the bottom of the coupler shank. This goes for all of your standard head couplers, off set coupler heads you may need to adjust the length of so the air line ends up in the same point in space as if it was a standard head coupler.**