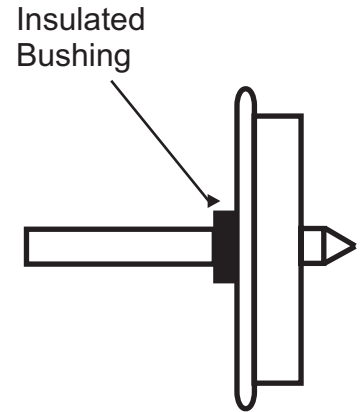
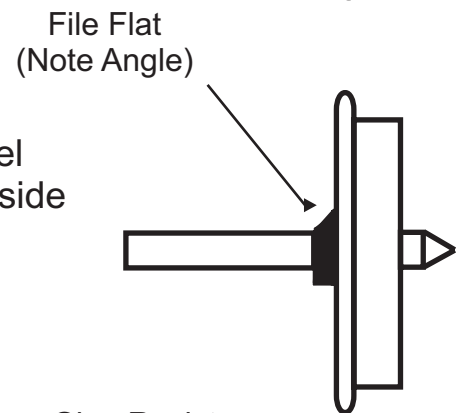


Making a Resistor Wheel Set

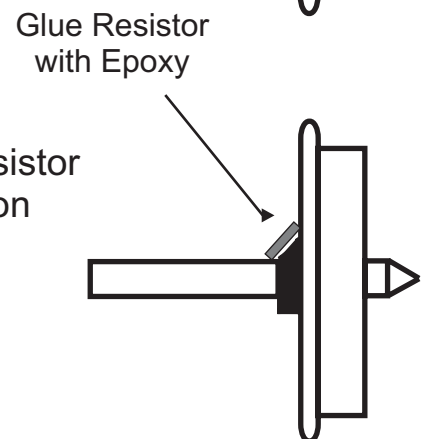
1. Locate the insulated bushing on the wheel set. The example is an Intermountain wheel set. Plastic axle wheel sets like the Proto 2000 will require a different process.



2. File a flat spot at an angle on the insulated bushing. Be sure you file enough to be level with the metal on the axle and wheel. The side of a small flat file works well. For JB wheel sets use a cut off wheel on a Dremel motor tool.



3. Glue a 1/10w or 1/16w 10,000Ω SMD chip resistor using 5 minute epoxy on the angled flat spot on the wheel set. Use pointed tweezers to hold the resistor and touch it to the epoxy to put a thin coat of epoxy only on the bottom of the resistor. Glue the resistor as shown.



4. Once the glue is dry carefully file a small area at each end of the resistor until the brass shows through to form an area that is conductive. Put a small dab of conductive paint covering each end of the resistor and the conductive area. Be very careful not to let the paint bridge the insulated area on the wheel set and resistor. After the paint dries, test the wheel set with a volt/ohm meter. It should read about 10,000Ω

Paint Resistor ends with Conductive Paint

