



Fixing a Chipped Ring and Pinion

Some gear sets get chipped or nicked during the manufacturing process or during shipping. In most cases these blemishes are outside the contact pattern, and they can be removed with a few minutes of careful polishing.

First thing is to determine if the nick is in the pattern. If this isn't obvious by looking at the gear, you can install the set into the housing and run a quick pattern check. When you have determined that the chip or nick is clear of the pattern, use a medium grit 3M disk to polish out the nick. This is necessary to prevent any jagged edges from coming into contact with the gear under load and possibly causing damage.

