



Eagle II Dent Removal System - Tips for Best Results.

To use the Eagle II Dent Removal System properly please observe the following tips:

- **Preparing the metal:**

- 1) **Use a 60 to 80 grit grinding pad to clean the metal.** (This ensures that paint, rust, primer and any coatings will be taken off the work surface and not ground into it). A wire brush bit mounted on a high speed drill can be used to remove paint and coatings off of a small precise area.
- 2) Make sure the work surface is free of any moisture.

- **Using the Eagle II dent puller:**

- 1) **Be sure the unit is plugged directly into a 120 volt 20 amp wall outlet.** (Do not use an extension cord - a power drop will occur that will affect the performance of the unit).
- 2) **Make sure the electrode is clean and ground to a 1/16th" tip diameter** (similar to a broken pencil). Use a clean grinding pad or a bench grinder to redress the tip when necessary. (Using a dirty grinding wheel will result in impurities being ground into the tip and impairing the performance of the unit).
- 3) **Attach the ground magnet to a cleanly ground area of the work surface.** (Note that the copper center in the magnet is all that is required for a proper ground).
- 4) **Adjust the timer.**
 - 0.0 to 0.8 - for pulling using the electrode and pry bar (MORE IS NOT BETTER)
 - 0.5 to 1.6 - for installing pin gun studs.
 - 0.5 to 3.0 - for shrinking. Use discretion.

- **Using the Pry Bar:**

- 1) **Place the foot of the pry bar on a sturdy surface** on the work area.
- 2) **Place the electrode through the rails of the pry bar and LIGHTLY touch** the desired pull spot. (Do not push the electrode into the work surface - this will prevent the unit from making the weld).
- 3) **Hold the button** on the weld handle until timer cycles.
- 4) **Pull gently with the pry bar** until desired pull is obtained.
- 5) **Relax the pull then twist the handle** left and right to break the weld.
- 6) **Repeat** over work surface as necessary.
- 7) **If repeated use causes the tip to get hot,** cool it off in a cup of water and then continue using. Redress the tip as necessary.

- **Installing pins:**

- 1) **Insert stud** into the nail/shrink head.
- 2) **Lightly (1-2 lbs. of pressure) push the stud** against the work surface.
- 3) **Hold the button** on the weld handle until timer cycles.
- 4) **Repeat** over work surface as necessary.

- **Shrinking:**

- 1) **Place domed edge of shrink tip** against desired area.
- 2) **Push against work** as necessary while simultaneously pushing button.
- 3) **Repeat** as necessary.