

# ULTRA Ding Massager

## DF-DM555UDX

Thanks for purchasing the Ding Massager Deluxe glue pulling kit. This professional PDR glue pulling kit can be used to relieve dings and small dents from cosmetic car panels, motorcycle gas tanks, aluminum and stainless steel panels.

### Warnings

- *Release agent is flammable! Keep away from open flame.*
- *Use glue on OEM paints only. Glue may pull clear coats away from aftermarket paint jobs.*
- *Glue gun applicator and hot melt glue can exceed 300° F. Use necessary precautions and protection.*
- *Wear heat protective gloves and goggles.*
- *Glue gun may sputter or shoot out glue in an uncontrolled manner when new glue sticks are added or when not fully heated.*

### Preparation

Clean the area being pulled thoroughly. Make sure it is free of wax, grease, or dirt. The included release agent or rubbing alcohol can be used to clean the area.

### Gluing

Make sure the glue gun is plugged in and a glue stick is inserted in the glue gun. Allow for the glue gun to reach it's optimum operating temperature.

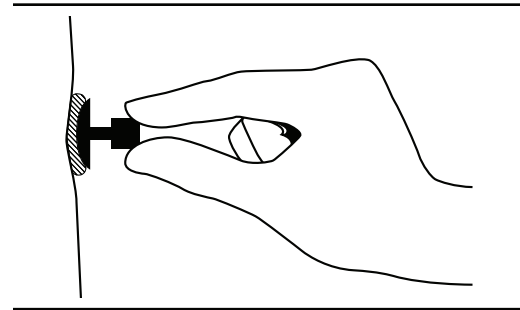
Area should be completely clean and dry of any cleaning agents prior to gluing.

Select an appropriate size pulling nib. Large nibs for larger dents, small nibs for smaller dents.

Clean pulling nibs by using the release agent or rubbing alcohol.

Use the trigger on the glue gun to apply glue to the entire bottom surface area of the pulling nib.

Apply the nib with glue to the area to be pulled. Avoid pressing nib on to panel. Glue should not be squeezed out from between the nib and panel. Leave about 1/8" of glue between the nib and the panel. Hold nib in this position for 10 to 20 seconds while the glue sets. Allow 2 to 3 minutes for glue to fully cool and set. See accompanying illustration (Figure DM550DX.1).



*Hold nib in position while glue sets. Do not press against panel, rather keep approx. 1/8" of glue between panel and nib surface.*

Figure DM550DX.1

### Pulling

Use the slide hammer or squeeze puller to pull the plastic nibs after they have been glued to the panel. Pull softly at first, gradually increasing tension & force. The slide hammer should be used for a tapping action and not used with full force. A quick or forceful pull can release the bond prematurely or break the nib.

Do not pull side ways. Do not pull directly back towards your face. Nibs may release unexpectedly. Rotate the squeeze puller as you are pulling. The downward force on the pads should be applied equally around the ding.

### Hints & Tips

The depth of the dent, creases and gauge of metal can all affect the success of removing the dent. It is common for the glue nib to release without the release agent. Each pull affects the metal. It is normal to pull the dent past its original contour. Some dents will need to be tapped back down when pulled too far. The number of times you will have to pull varies for every dent. Remove the glue nib and glue and re-assess the dent to determine if more pulls are necessary. The last part of the ding can be pulled by applying the release agent while the nib is under pull tension. Creases may not pull completely and may require direct manipulation with PDR rods (DF-PDRKIT33). A ding board (DF-DM510BW) or other light source may help to highlight the damaged area.