

Canoe & Kayak Plastic Repair Kit

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HGKI09 Canoe & Kayak Plastic Repair Kit

The Malcom Canoe and Kayak Plastic Welding Kit, with the Weldy Plus Hot Air Tool, is intended for use by professionals selling and servicing thermoplastic boats. It is also an ideal kit for camps and boat rental facilities for repairs to their fleets.

Most of the recreational canoes and kayaks today are made from a thermoplastic material, mainly PE. This plastic is very rugged and when treated properly can last a lifetime. However, after a while the bottom of these boats wear thin due to people dragging them over rocks and sand. Occasionally the Canoes or Kayaks are not tied down properly when transported and fall off the car damaging them. The damaged plastic can be repaired with the Malcom Company Canoe and Kayak Plastic Repair Kit.

The kit comes with an assortment of welding rod that matches the most common colors on the market. The Canoe and Kayak Plastic Repair Kit is designed for repair technicians, intended for professional use. Rental facilities, boat dealers and camps should have one of these kits on hand for fast on site repairs for their fleet of boats and to service their customers.

KIT COMES COMPLETE WITH THE FOLLOWING

- Weldy Plus hot air tool 120V 1500 watts
- Speed welding tip for 1/4 inch triangle rod, push fit
- Welding nozzle for flat welding tape
- 5 mm round tube nozzle
- Tacking tip, push fit
- Durable metal scraper, screwdriver, pliers and Side cutters
- 2 lbs of assorted plastic welding rod, round and triangular (PCV, ABS, PC, PP, & LDPE and HDPE)
- 1 lb of assorted flat plastic welding rod in various colors (PE and PP)
- Rotary burr for preparing grooves, fits drill or dremal
- Plastic welding instruction booklet
- Heavy duty plastic toolbox



Welding Rod

HDPE Red
PWC1 22MM X 2 MM



HDPE Beige
PWC2 22MM X 2 MM



HDPE Blue
PWC3 22MM X 2 MM



HDPE Green/Emerald
PWC5 22MM X 2 MM



HDPE Green/Blue
PWC6 22MM X 2 MM



HDPE Yellow
PWC4 22MM X 2 MM



Price Per Pound = \$40.00 48 Inch Lengths
Approximate Feet Per Pound = 36 Feet

Malcom

Plastic Welding Rod



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Order Item
HGK109
Canoe & Kayak Repair Kit
\$478.00



*Prices subject to change

ORDER
ADDITIONAL
NOZZLES
FOR YOUR
HGK109
Canoe & Kayak
Repair Kit

Item	Photo	Description	Price
119.343		Reduction Nozzle 20mm	9.95
119.344		Reflector Nozzle	9.30
119.347		Solder Sleeve Reflector	19.95
119.345		Round Welding Nozzle 5mm	13.95
119.341		Glass Protection Nozzle	9.95
119.342		Wide Slot Nozzle	9.95
22CUSA		2.5" Wide Silicon Roller	25.00

Call today to place an order
or if you have any questions:



800.289.7505



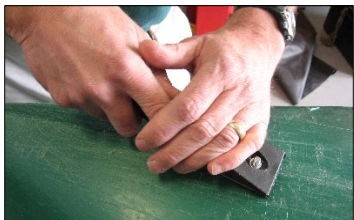
Plastic Boat Repair Instructions
for building up skids and thin areas



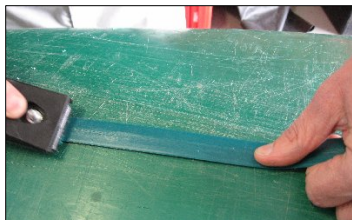
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Basic tools needed for repair



Using a clean paint scraper, scrape the boat surface that will be welded. This will remove oxidized plastic on the surface.



Select a plastic welding rod that matches the plastic and the color of the boat. The rod must be made out of the same material as the boat.



Set the heat gun to the pre-programmed setting for welding: in this case HD-PE plastic. Boat thermoplastic varies between manufacturers.



Once the heat gun has reached set temp, tack weld the welding rod in place. Push down on the rod as it heats up. Move the heat gun up and down so that you heat the rod and the boat at the same time.



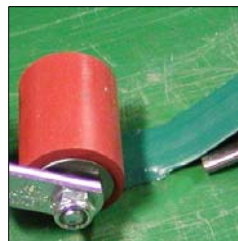
In the above photo the welding rod has started to bend because it has been heated up. Continue pushing down on the rod in order for it to create the tack weld.



Insert the heat gun between the rod and the boat as shown. Using the hand roller, firmly press down as you push the roller towards the heat gun. Slowly move the heat gun back while pushing down on the roller and moving it towards the heat gun.



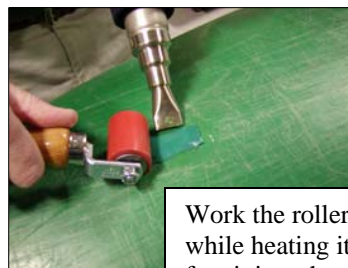
Firmly press down on the hand roller working it back and forth making sure to work the edges. Look for squeeze out along the edges. This action creates the weld. Pressure is very important when welding.



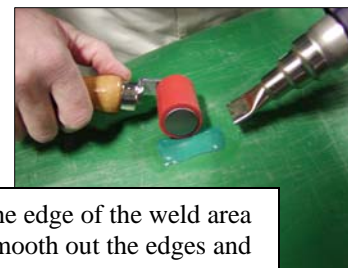
A proper weld will show a melted bead or plastic on both sides of the welding rod. If you move too slow you will burn the plastic, if you move too fast you will not see the bead and you will have a less than ideal weld. Work the roller along the edge of the weld area while heating it up to smooth out the edges.



When you have finished welding, using the cutters, cut the welding rod as close as you can to the surface.



Work the roller along the edge of the weld area while heating it up to smooth out the edges and fare it into the surface.



When completed you can either leave it as it is, or scrape and grind it down further as desired.

