Braze Perfect™
World's Easiest Aluminum Repair Solution...Guaranteed!

INSTRUCTIONS

THE ONLY ALUMINUM REPAIR SOLUTION THAT'S IDEAL FOR USE ON...

- ✓ Radiator & Cooling Systems
- ✓ A/C Parts, Tubes, Fittings
- ✓ A/C Condenser Repairs
- ✓ A Must for A/C Repair Techs
- ✓ Heat Exchanger Repair
- ✓ Transmission Repair
- ✓ Race Car Mechanics
- ✓ Antique Car Restoration
- ✓ Motorcycle Repair
- ✓ Maintenance Mechanics
- ✓ Lawnmower Repair
- ✓ Window Repair/Fabrication
- ✓ A Must for Welders, Plumbers and Repair Technicians

The World's Easiest Aluminum Brazing Solution...Guaranteed!

YOUR QUALITY IS GUARANTEED!
ALL ALLOYS & FLUX PRODUCTS ARE PROUDLY MADE IN THE USA

brazeperfect.com
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ALWAYS WEAR EYE, HAND AND BODY PROTECTION: Follow your employer's safety procedures and always use care when handling torches. Work in a well ventilated area. Flux fumes can be hazardous.

Every repair is completed with the same 3 SIMPLE STEPS:

1) Clean the repair area with a stainless steel brush;

2) Apply paste flux and heat repair area with a propane torch;

3) Continue to heat until the flux runs clear. When the flux runs clear, you're ready to add the filler alloy!

CLEAN REPAIR AREA WITH STAINLESS STEEL BRUSH: The Braze Perfect™ kit includes a stainless steel brush. Be sure the entire repair area is free of all paint, grease, dirt and foreign matter. The repair area must be brushed shiny clean with the stainless steel brush. DO NOT USE CARBON STEEL or any other cleaning brush.

USE PROPANE OR NATURAL GAS TORCH ONLY: You will be most successful using a bottle propane torch (*just like the ones you may use to repair plumbing in your home*) than any other torch. Propane or Natural Gas torches are cooler burning than acetylene/oxygen, butane, MAPP gas or other torches that are generally used for brazing. Keep in mind that the melting point of the aluminum base metal that you will be brazing is very low. Most torches will burn through the base metal before you get a chance to start brazing. This is extremely important when repairing thin wall aluminum found on applications like aluminum radiators or A/C tubes.

APPLY HEAT EVENLY; BE SURE TO HEAT THE ENTIRE REPAIR AREA AND KEEP FLAME MOVING: When brazing tubes (like air conditioning connections) or radiators, it is important to apply the heat from the torch evenly and from all sides. It is very easy to heat the front side of a tube joint and forget about the back side. Be sure the heat is applied evenly and when flowing the Braze Perfect™ filler alloy, keep the torch moving so that you maintain the desired heat without blowing through the base metal.

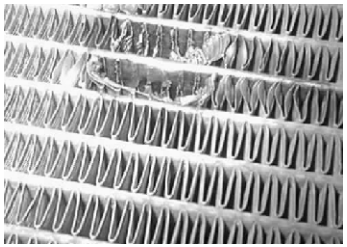
THE CHANGE IN FLUX WILL BE THE KEY TO START BRAZING: The Braze Perfect™ aluminum brazing flux applied to the repair area will appear to be "dry and crusted" as soon as you start to apply heat. As you continue to heat the repair area, the flux will turn a dark gray color. Continued heating will cause the flux to turn clear. At that time, add the filler alloy just as you would add solder to a joint.

Remember to KEEP THE FLAME MOVING during the brazing process and APPLY HEAT EVENLY TO THE ENTIRE BRAZE AREA. Following these simple cautions and instructions will provide you with the best aluminum braze joint that you have ever seen. The filler metal will flow smoothly and evenly, just as if you were soldering with soft solder.

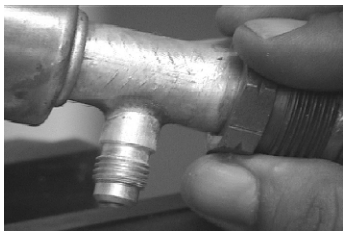
ALLOW THE REPAIRED AREA TO AIR COOL: Do not cool the repaired area by rinsing with water. The sudden cooling could damage even the best braze job.

RINSE FLUX RESIDUE FOR THE BEST FINISHING RESULTS: Keep in mind that Braze Perfect™ flux residue is non-corrosive and completely water soluble. For best finishing results, rinse the flux residue after the repair area has cooled.

Just a Few Samples of What You Can do with Braze Perfect™



Radiator puncture hole repairs are easy!



Auto A/C Fittings and tube repairs. Easily add or repair charge ports

Heavy metal repairs? Here's a sample of a braze joint on 1/8" aluminum

A/C fittings added or replaced. Fix almost any thin wall aluminum tube!

Easily replace A/C condenser fittings

Complete almost any aluminum tube repair with ease!

Braze Perfect Aluminum Repair... Step-by-Step

Always be sure to prepare the repair joint with a stainless steel scratch brush.

Apply paste flux to repair area. PRO TIP: Use the wire to apply flux and reduce contamination.

Use standard propane torch to heat repair area.

Continued heating will cause the flux to change color from white to dark gray.

YOUR KEY TO SUCCESS! Continued heating causes the flux to change from gray to run clear. That's your signal that the repair metal is at the correct temperature to add filler alloy!

The finished joint is stronger than the base metal!