

# Gold Heat Wire Repair Instructions

## Things to Know

When your repair is complete, always perform electrical tests before moving on to the next splice or performing more work on the floor.

- A. Continuity test (Black to White) to ensure the heating wire conducts through the splice.
- B. Ground fault test (Black to ground and white to ground) to ensure there is **No connection** between the outer shield and the inner heating wire.



1. Grip or clamp wire 1-1/4" back from break.



2. Separate the end fibers of the stainless steel braid.

Begin to push the braid back from the cut end. An upholstery hook or small knife may be used.



3. Push braid back until 1/2" of inner wire is exposed.

Use wire strippers to expose 3/16" of inner conductor.



4. Repeat steps 1-3 on other side of splice.

You should now have room for the solder splice connector.



If you have questions, please call our technical support team between 8:00 am - 4:00 pm PST.

Technical Support: (877) 789-4328

General Inquiries: (866) 935-7782



**5. Overlap the exposed conductors inside the solder splice.**



**6. Use a hot air gun or butane flame to shrink the splice and solder the wires.**  
Hold the splice steady while the solder is liquid to ensure a good connection.



**7. Pull braid back over the completed splice.**



**8. Wrap the splice with metal tape to protect the joint and ensure continuity of the outer braid.**



**9. Smooth and seal the conductive tape to complete your splice.**



**Pro Tip:** If a hot air gun is not available, a small torch-style butane lighter can produce good results.

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