

GS Butane Belt Welder 47-860010-000

Packaging

- 1 ea. 47-860010-000 Butane Belt Welder
- 1 ea. 47-094003-000 Micro Torch
- 1 ea. 47-094002-000 Belt welding paddle
- 1 ea. 47-902404-000 Instruction Sheet

Other Necessary Components

- Butane Canister (BF9) or equivalent

Welder Operation

1. Unpack the BernzOMatic Micro Torch.
2. Read the instructions packaged with the Micro Torch to become familiar with its operation.
3. Using a small Phillips head screwdriver, loosen the screw on the “hot blower”.
4. Slip the “hot blower” over the burner of the Micro Torch, and tighten the screw.
5. Unscrew the soldering tip on the “hot blower” and screw in the enclosed belt-welding paddle until tight.
6. A canister of butane must be purchased locally. BernzOMatic butane (BF9) or equivalent is recommended.
7. Fill the Micro Torch according to instructions.

Belt Repair Operation



WARNING!: There is a flame in the Micro Torch. Therefore it is not recommended that it be lit in the presence of flammable liquids. Use this product only in a well ventilated area.

1. Cut off both ends of the belt neatly and vertical to the belt axis with the belt cutter found in the belt welding kit that came with your GS pinsetter.
2. Pull the belt around the pulley shafts.

3. Place each belt end in the belt holder so they are slightly apart. Refer to Figure 1.

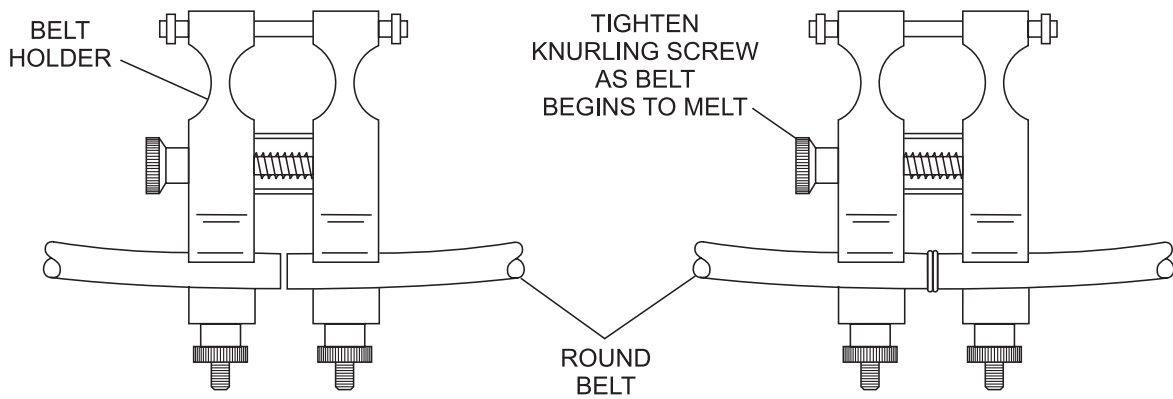


Figure 1

4. Light the Micro Torch according to instructions. It is not uncommon for the torch not to light immediately on a cold start. Repeat if torch does not light immediately.

i **NOTE:** *In high altitude environments, adjust the gas adjustment dial to a lower flame/pressure to avoid flameouts from excessive gas flow.*

5. Once the torch is lit, the paddle takes 2 to 3 minutes on medium flame to heat to the temperature that will melt the urethane belt.



WARNING!: *Use of the continuous flame button will not extinguish the flame if the Micro torch is accidentally dropped. It is recommended NOT to use this button in belt welding applications for additional safety.*

6. Push the belt welding blade between the belt ends and bring them together to heat the belt.

i **NOTE:** *Both ends of the belt must be on the same axis on both sides of the blade.*

7. When a pad of melted polycord has formed, withdraw the belt welding paddle and slightly tighten the knurling screws of the holder to bring the ends of the belt together. Refer to Figure 1.

8. Tighten the knurling screws to hold the belt together. Do not overtighten.

i **IMPORTANT!:** *DO NOT OVERTIGHTEN. The melted polycord will be pushed out and the cold polycord left in the center will not form a weld.*

9. Allow the belt to cool for approximately 2 minutes before removing the belt holder.

10. Trim the bead from around the belt weld with a shard knife or single edge razor blade.

11. Wait another 5 to 10 minutes for the belt to fully cool.

12. Install the belt onto the pulleys.



WARNING!: *The “hot blower” and belt-welding paddle will remain a burn hazard for a considerable time. Please avoid physical contact.*