1. Read user manual

2. Select process

3. Connect TIG torch and ground clamp

4. Connect TIG torch lead to gas (100% Argon)

5. Adjust amperage per material thickness

6. Connect to Input Power

   - Generator OK with continuous output > 4,000 W (120V) or 10,000 W (230V)
   - Extension cord: #12 AWG (120V) or #8 AWG (230V) or larger. 25’ (8m) or shorter extension cords recommended.

7. Initiate the arc with a scratch or lift technique when in contact with the metal

   ELECTRODE IS ALWAYS ELECTRICALLY HOT WHILE IN TIG MODE

FIND TIG WELDING TIPS AT WWW.ASKFORNEY.COM

TIG TROUBLESHOOTING TIPS

Both LED lights off

Verify machine is plugged in and on. See manual.

Both LED lights on

- Duty cycle exceeded or insufficient air flow. Allow machine to cool. Ensure vents are clear of obstacles. See manual.
- Aluminum welding
  - Not recommended for this machine.
  - Output is DC only which is not recommended for TIG welding aluminum.
- Workpiece grounding
  - Connect ground clamp to clean, bare metal. No rust, paint or other coatings. Attach the ground clamp directly to the workpiece if you are experiencing issues.
- Low weld output or poor fusion
  - Usually due to low input power.
  - Welder should be the only thing plugged into circuit.
  - Avoid using extension cords. If one must be used, it must be #10 AWG or larger; 25’ (8m) or shorter.
  - Generators must be 4,000 W continuous output and not have a low-idle function (or have it disabled).

QUESTIONS OR TROUBLE? Contact Forney Industries at 1-800-521-6038
customerservice@forneyind.com • askforney.com • forneyind.com
1. Read user manual

2. Select process

3. Connect electrode holder and ground clamp according to desired polarity

4. Connect to Input Power

5. Adjust amperage per settings chart on the welder

6. Recommended electrodes

<table>
<thead>
<tr>
<th>Electrode</th>
<th>Diameter</th>
<th>Amperage</th>
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</thead>
<tbody>
<tr>
<td>E6010 &amp; E6011</td>
<td>3/32</td>
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<td>1/8</td>
<td>3.2</td>
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<td></td>
<td>5/32</td>
<td>4.0</td>
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<tr>
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</tr>
</tbody>
</table>

*Performance may vary by brand

FIND STICK WELDING TIPS AT WWW.ASKFORNEY.COM

STICK TROUBLESHOOTING TIPS

- Both LED lights off
  - Verify machine is plugged in and on. See manual.

- Aluminum welding
  - Not recommended for this machine.
  - Requires more amperage on Stick than this machine is designed to output.

- Frequently tripping circuit breaker or exceeding duty cycle
  - Use 5/32” diameter electrodes or smaller. Some 5/32” may draw too much amperage.
  - Trying to weld single pass on material larger than ¼” thick is not possible with this machine. Multi-pass recommended for thicker materials.
  - Welder should be the only thing plugged into the circuit.

- Low weld output or poor fusion
  - Usually due to low input power.
  - Welder should be only thing plugged into circuit.
  - Avoid using extension cords. If one must be used, it must be #1 AWG or larger; 25’ (8m) or shorter.
  - Generators must be 4,000 W continuous output and not have a low-idle function (or have it disabled).

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