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Hasweld 8FT MIG GUN + TIPS

Hasweld 8FT MIG Gun + Tips Instruction Manual

Model: 8FT MIG GUN + TIPS

1. Introduction and Product Overview

This manual provides essential information for the safe and effective use of your Hasweld 8FT MIG Gun with included tips. This product is designed as a replacement MIG gun for specific Matco TOOLS wire feed welders. Please read these instructions thoroughly before installation and operation to ensure proper function and safety.

The Hasweld 8FT MIG Gun is a durable replacement component, supplied with 9 contact tips (0.030 inch) to facilitate immediate use and maintenance.



Image 1.1: The Hasweld 8FT MIG Gun, showing the handle, cable, and a set of contact tips.

2. Safety Information

Welding operations involve significant risks. Always adhere to standard welding safety practices to prevent injury or damage. This includes, but is not limited to:

- **Wear appropriate personal protective equipment (PPE):** Welding helmet with proper shade, flame-resistant clothing, welding gloves, and safety shoes.
- **Ensure adequate ventilation:** Welding fumes can be hazardous. Work in a well-ventilated area or use fume extraction.
- **Prevent electric shock:** Ensure your welding machine is properly grounded. Do not operate in wet conditions. Inspect cables and connections for damage before each use.
- **Fire prevention:** Keep flammable materials away from the welding area. Have a fire extinguisher readily available.
- **Read your welder's manual:** Always consult the instruction manual for your specific welding machine for additional safety guidelines.

3. Package Contents

Upon unpacking, verify that all components are present and undamaged:

- 1 x Hasweld 8FT MIG Gun
- 9 x Contact Tips (0.030 inch)

If any items are missing or damaged, please contact customer support immediately.

4. Compatibility

This Hasweld 8FT MIG Gun is designed to be compatible with the following Matco TOOLS wire feed welders:

- Matco TOOLS WFW80T
- Matco TOOLS MWLD140
- Matco TOOLS MWLD100
- Matco TOOLS WFW 12179
- Matco TOOLS A2Z006505
- Matco TOOLS MG138
- Matco TOOLS 130 flux Wire Feed Welder

Ensure your welding machine model matches one of the listed compatible models before attempting installation.

5. Setup and Installation

Follow these steps to install the MIG gun:

1. **Power Off:** Ensure your welding machine is completely powered off and unplugged from the main power supply before beginning any installation or maintenance.
2. **Remove Old MIG Gun (if applicable):** Disconnect the existing MIG gun from the welding machine. This typically involves unscrewing a connection at the front panel and possibly disconnecting a trigger wire. Refer to your welder's manual for specific instructions.
3. **Connect New MIG Gun:** Insert the main connector of the Hasweld 8FT MIG Gun into the corresponding receptacle on your welding machine. Secure it by tightening the connection, ensuring a firm and stable fit.
4. **Connect Trigger Wire:** Locate the small trigger wire connector on the new MIG gun and plug it into the appropriate port on your welding machine. This connection activates the wire feed and gas flow when the trigger is pressed.
5. **Install Contact Tip:** Screw one of the provided 0.030 inch contact tips into the end of the MIG gun nozzle. Do not overtighten.
6. **Check Connections:** Double-check all connections to ensure they are secure and properly seated.

6. Operating Instructions

Once the MIG gun is installed, follow these general operating guidelines:

1. **Power On Welder:** Plug in and power on your welding machine.
2. **Adjust Settings:** Set the voltage, wire feed speed, and gas flow (if using shielding gas) according to the material thickness and type of wire you are using. Consult your welder's manual for recommended settings.
3. **Prepare Workpiece:** Ensure your workpiece is clean and properly grounded.
4. **Begin Welding:** Position the MIG gun nozzle approximately 3/8 to 1/2 inch from the workpiece. Press the trigger to initiate the arc and wire feed. Maintain a consistent travel speed and gun angle for optimal weld quality.

5. **Release Trigger:** Release the trigger to stop welding.
6. **Power Off:** After completing your work, power off and unplug the welding machine.

7. Maintenance

Regular maintenance ensures the longevity and performance of your MIG gun:

- **Clean Nozzle:** Periodically clean spatter from the nozzle using a reamer or pliers. Excessive spatter can interfere with gas flow and arc stability.
- **Replace Contact Tip:** The contact tip is a wear item. Replace it when the opening becomes enlarged or misshapen, or if you experience inconsistent wire feeding or poor arc quality. Use only the correct size (0.030 inch) contact tips.
- **Inspect Liner:** The wire liner guides the welding wire through the gun cable. If wire feeding becomes erratic, the liner may be kinked or clogged with debris. Consult your welder's manual for instructions on inspecting and replacing the liner.
- **Check Cable:** Inspect the entire length of the MIG gun cable for cuts, abrasions, or damage to the insulation. Damaged cables can pose an electrical hazard and should be replaced immediately.

8. Troubleshooting

Here are some common issues and their potential solutions:

Problem	Possible Cause	Solution
No wire feed	Contact tip clogged or worn; Liner kinked or clogged; Wire spool tangled; Drive rollers not engaged or set incorrectly.	Replace contact tip; Inspect and clear/replace liner; Untangle wire spool; Adjust drive roller tension.
Poor arc quality / Inconsistent weld	Worn contact tip; Incorrect voltage/wire speed settings; Poor ground connection; Spatter in nozzle.	Replace contact tip; Adjust welder settings; Ensure good ground connection; Clean nozzle.
MIG gun overheating	Exceeding duty cycle of welder; Insufficient cooling; Damaged cable.	Allow welder to cool; Ensure proper ventilation; Inspect cable for damage.
Gas flow issues (if applicable)	Nozzle clogged with spatter; Gas line leak; Empty gas cylinder.	Clean nozzle; Check gas line connections; Replace gas cylinder.

If troubleshooting steps do not resolve the issue, please contact customer support.

9. Specifications

- **Model:** 8FT MIG GUN + TIPS
- **Brand:** Hasweld
- **Length:** 8 feet
- **Included Components:** 1 x MIG torch, 9 x 0.030 inch contact tips
- **Power Source Compatibility:** AC/DC welding machines (refer to your welder's manual)
- **Compatible Welders:** Matco TOOLS WFW80T, MWLD140, MWLD100, WFW 12179, A2Z006505, MG138, 130 flux Wire Feed Welders

- **Manufacturer:** Hasweld

10. Support

For any questions, concerns, or assistance regarding your Hasweld 8FT MIG Gun, please contact our customer support team. We are committed to providing the best possible service.



Image 10.1: Customer support information, encouraging users to contact for assistance.

Please have your product model information ready when contacting support.

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