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› FEMEROL LBT150 150A Spool Gun Instruction Manual

FEMEROL LBT150

FEMEROL LBT150 150A Spool Gun Instruction Manual

Model: LBT150

INTRODUCTION

This manual provides essential instructions for the safe and effective use of your FEMEROL LBT150 150A Spool Gun. Please read this manual thoroughly before operation and retain it for future reference.

The FEMEROL LBT150 Spool Gun is designed for aluminum MIG welding, featuring a Euro connection and a 10-foot cable. It is compatible with various MIG welders, including the MIG-250PRO and MIG-200 models. Constructed from high-quality PVC material and pure copper cable, it offers reliable and efficient welding performance.

SAFETY INFORMATION

Always prioritize safety when operating welding equipment. Failure to follow safety precautions can result in serious injury or damage to equipment.

- Wear appropriate personal protective equipment (PPE), including welding helmet, gloves, and protective clothing.
- Ensure adequate ventilation in the work area to avoid inhaling fumes.
- Disconnect power to the welding machine before performing any maintenance or changing parts on the spool gun.
- Keep the work area clean and free of flammable materials.
- Do not operate the spool gun if it is damaged or malfunctioning.

PACKAGE CONTENTS

Verify that all items are present in the package:

- FEMEROL LBT150 Spool Gun (150A, 10 FT Cable)
- Contact Tips (e.g., 0.98" Φ M6)
- Nozzles
- Wire Feed Rollers (e.g., 0.6/0.8, 0.8/1.0)



Image: The FEMEROL LBT150 Spool Gun, including the gun body, 10-foot cable with Euro connection, and various accessories like contact tips and nozzles.

SETUP

1. Connecting the Spool Gun to the Welder

The LBT150 Spool Gun features a Euro connection for compatibility with many MIG welders. Ensure your welder has a compatible Euro connection port.

1. Turn off and unplug your MIG welder from the power source.
2. Align the Euro connection of the spool gun cable with the corresponding port on your MIG welder.
3. Push firmly and twist the connector clockwise until it is securely locked.

4. Connect the trigger control connector (if separate) to the designated port on your welder.



Image: Close-up view of the Euro connection on the spool gun cable, highlighting its design for secure attachment to compatible MIG welders.

EASY INSTALLATION

- 1** Unscrew the knob clockwise to open the lid



- 2** Install the welding wire



- 3** Install the wire feed drive roller and tighten the nut



Image: The FEMEROL LBT150 Spool Gun connected to a FEMEROL MIG welder, showing the torch socket and trigger control connector points.

2. Loading Welding Wire

The spool gun is designed for easy wire loading. Ensure you use the correct wire type and diameter for your welding application, typically aluminum wire for this spool gun. The transparent plastic housing allows full visibility of all moving parts, ensuring smooth and consistent wire feeding.

1. Unscrew the knob on the spool gun cover counter-clockwise to open the lid.
2. Place the welding wire spool onto the spindle inside the gun. Ensure the wire unwinds smoothly.
3. Thread the welding wire through the wire guide and into the drive roller mechanism.
4. Install the appropriate wire feed drive roller for your wire diameter (e.g., 0.6/0.8mm or 0.8/1.0mm) and tighten the nut to secure it.
5. Close the lid and tighten the knob clockwise.

VISIBLE & STAY CLEAN



Image: A visual guide demonstrating the three steps for loading welding wire: unscrewing the lid, installing the wire, and securing the drive roller.

OPERATING INSTRUCTIONS

1. Initial Wire Feeding

Before welding, feed the wire through the gun to ensure it exits the contact tip.

1. Ensure the contact tip and nozzle are securely installed.
2. Turn on your MIG welder.
3. Point the spool gun away from yourself and others, and towards a non-flammable surface.
4. Press the trigger on the spool gun. The wire feed motor will activate, pushing the wire through the gun.
5. Continue holding the trigger until the wire extends approximately 1/2 inch from the contact tip.
6. Release the trigger.

2. Welding Process

Refer to your MIG welder's manual for specific settings and techniques. The spool gun functions as the wire delivery system. The ergonomic design of the LBT150 spool gun is intended for comfortable handling during extended welding sessions.

- Set your welder to the appropriate voltage and wire feed speed for the material thickness and wire type.
- Ensure proper gas flow for shielding.
- Maintain a consistent travel speed and arc length for optimal weld quality.

MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your spool gun.

- **Contact Tip:** Inspect regularly for wear and spatter buildup. Replace if the opening becomes oval or excessively worn.
- **Nozzle:** Clean spatter from the nozzle frequently. Replace if it becomes deformed or damaged.
- **Wire Feed Rollers:** Check for wear and ensure they are clean. Replace if grooves are worn or if wire feeding becomes inconsistent.
- **Cable:** Inspect the cable for cuts, abrasions, or damage. Do not use if the cable is compromised.
- **General Cleaning:** Keep the transparent housing and internal components clean to ensure smooth wire feeding and visibility.

● Fit for Euro connection MiG welder.



Image: The spool gun displaying key dimensions and a close-up of the contact tip, indicating its size (0.98" Φ M6).

TROUBLESHOOTING

Problem	Possible Cause	Solution
Wire not feeding	Wire tangled or jammed Incorrect drive roller tension Worn drive rollers Contact tip clogged Welder power off	Check wire path, clear any obstructions. Adjust drive roller tension. Replace drive rollers. Clean or replace contact tip. Ensure welder is powered on and connected.
Inconsistent wire feed	Incorrect drive roller tension Worn drive rollers Dirty wire liner	Adjust drive roller tension. Replace drive rollers. Clean or replace wire liner.

Problem	Possible Cause	Solution
Poor weld quality	Incorrect welding parameters Insufficient shielding gas Contaminated base metal	Adjust voltage and wire feed speed on welder. Check gas cylinder, regulator, and hose for leaks. Clean base metal thoroughly before welding.

SPECIFICATIONS

Feature	Detail
Model	LBT150 Spool Gun
Amperage Rating	150A
Cable Length	10 FT
Connection Type	Euro Connection
Compatible Welders	MIG-250PRO, MIG-200 (and other compatible Euro connection MIG welders)
Material	High quality PVC material and pure copper cable
Item Weight	6.45 pounds
Package Dimensions	17.4 x 13.39 x 4.65 inches

WARRANTY AND SUPPORT

The FEMEROL LBT150 Spool Gun comes with a two-year guarantee. For warranty claims or technical support, please contact FEMEROL customer service.

Visit the official [FEMEROL Store](#) for more information and product offerings.

