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TRUPER PIPI-440X

TRUPER Paint Gun Parts Instruction Manual - Model PIPI-440X

Essential Guide for Installation, Maintenance, and Troubleshooting

1. INTRODUCTION

This manual provides detailed instructions for the proper handling, installation, and maintenance of TRUPER paint gun replacement parts, specifically for model PIPI-440X. Adhering to these guidelines will ensure optimal performance and extend the lifespan of your paint gun components.

2. PRODUCT OVERVIEW

The TRUPER PIPI-440X parts kit includes critical components designed for the precise application of paint. These parts are manufactured to TRUPER's quality standards to ensure compatibility and performance with your paint gun.



Image 1: Components of TRUPER PIPI-440X paint gun parts kit. This image displays the essential replacement components for the TRUPER PIPI-440X paint gun. It features a chrome-plated air cap with a 1.4mm opening, a matching fluid nozzle, a long, slender fluid needle, and a coiled spring. These parts are crucial for the proper function and spray pattern of the paint gun.

The kit typically includes:

- **Air Cap:** Directs the air flow to atomize the paint.
- **Fluid Nozzle:** Controls the paint flow rate and helps shape the spray pattern.
- **Fluid Needle:** Regulates the opening and closing of the fluid nozzle, controlling paint release.
- **Spring:** Provides tension for the fluid needle's movement.

3. SETUP AND INSTALLATION

Before beginning any installation, ensure the paint gun is disconnected from its air supply and completely depressurized. Wear appropriate safety gear, including gloves and eye protection.

1. **Disassembly:** Carefully remove the existing air cap, fluid nozzle, and fluid needle from the paint gun. Refer to your specific paint gun's manual for detailed disassembly instructions.
2. **Cleaning:** Thoroughly clean the paint gun body and any reusable components to remove old paint residue.
3. **Fluid Nozzle Installation:** Insert the new fluid nozzle into the paint gun body. Ensure it is seated correctly and tightened securely, but do not overtighten.
4. **Fluid Needle and Spring Installation:** Place the spring onto the fluid needle. Insert the fluid needle (with spring) into the rear of the paint gun, guiding it through the fluid nozzle.
5. **Air Cap Installation:** Attach the new air cap to the front of the paint gun, screwing it onto the fluid nozzle assembly. Hand-tighten until snug.
6. **Testing:** Reconnect the paint gun to the air supply. Test for proper air and fluid flow without paint to ensure all components are functioning correctly and there are no leaks.

4. OPERATING PRINCIPLES

The air cap, fluid nozzle, and fluid needle work in conjunction to atomize and spray paint. The fluid needle controls the amount of paint released through the fluid nozzle. Compressed air, directed by the air cap, then mixes with the paint, breaking it into fine particles and shaping the spray pattern. Proper selection and installation of these parts are crucial for achieving a consistent and high-quality finish.

5. MAINTENANCE

Regular cleaning and inspection of these parts are essential for maintaining paint gun performance.

- **After Each Use:** Disassemble the air cap, fluid nozzle, and fluid needle. Clean all components thoroughly with an appropriate cleaning solution for the type of paint used. Use a cleaning brush to remove paint from all orifices.
- **Inspection:** Periodically inspect the air cap, fluid nozzle, and fluid needle for wear, damage, or blockages. Look for bent needles, clogged nozzle holes, or deformed air cap horns. Replace any damaged parts immediately.
- **Lubrication:** Apply a small amount of lubricant (compatible with your paint gun) to the fluid needle packing and threads as recommended by your paint gun's manufacturer.

6. TROUBLESHOOTING

Common issues related to these parts and their potential solutions:

Problem	Possible Cause	Solution
Uneven Spray Pattern	Clogged air cap horns or fluid nozzle.	Clean air cap and fluid nozzle thoroughly. Inspect for damage.
Paint Leaking from Nozzle	Damaged fluid needle or nozzle, improper seating.	Inspect and replace damaged parts. Ensure proper installation and tightening.
No Paint Flow	Fluid nozzle or needle completely blocked.	Disassemble and clean all fluid path components.
Excessive Overspray	Incorrect air cap or fluid nozzle size for paint viscosity.	Verify correct part selection for the paint type and desired finish.

7. SPECIFICATIONS

Feature	Detail
Brand	TRUPER
Model Number	PIPI-440X (Manufacturer Reference: RE-PIPI-440X)
Product Type	Paint Gun Replacement Parts
Weight	Approximately 80 g
Style	Pistol (for paint guns)
Power Source Compatibility	Manual (refers to the paint gun's operation, not the parts themselves)

8. WARRANTY AND SUPPORT

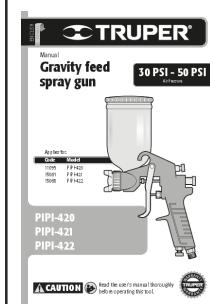
TRUPER products are manufactured to high standards. For information regarding warranty coverage or technical support for your TRUPER paint gun parts, please refer to the original paint gun's documentation or contact TRUPER customer service directly. Keep your purchase receipt as proof of purchase.

Related Documents - PIPI-440X



[TRUPER Expert PIPI-440X Gravity Spray Gun User Manual](#)

Comprehensive user manual for the TRUPER Expert PIPI-440X Gravity Spray Gun, covering technical specifications, safety warnings, parts, preparation, operation, maintenance, troubleshooting, and warranty information.



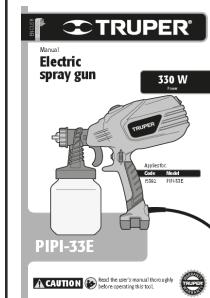
[Truper Gravity Feed Spray Gun Manual: PIPI-420, PIPI-421, PIPI-422](#)

Comprehensive user manual for Truper gravity feed spray guns, covering technical data, safety warnings, parts, preparation, startup, maintenance, and troubleshooting for models PIPI-420, PIPI-421, and PIPI-422.



[Truper PIPI-320 Spray Gun: User Manual, Operation, and Maintenance Guide](#)

Official user manual for the Truper PIPI-320 spray gun. Find detailed instructions on setup, safe operation, maintenance, troubleshooting, and technical specifications. Learn how to achieve optimal spray patterns and prolong tool life.



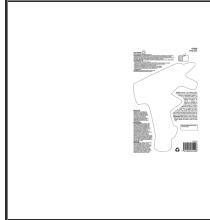
[Truper PIPI-33E Electric Spray Gun Manual](#)

Comprehensive user manual for the Truper PIPI-33E electric spray gun, covering technical specifications, safety warnings, operation, maintenance, and troubleshooting. Includes detailed instructions for use and care.



[TRUPER Machine Cleaning Gun with Hose - Model PILIM-683](#)

Information on the TRUPER PILIM-683 machine cleaning gun with hose, detailing its features, specifications, operation, maintenance, and safety guidelines for effective machinery cleaning.



[Truper Electric Glue Gun 5/16" - Operating and Maintenance Instructions](#)

Comprehensive guide for the Truper 5/16" electric glue gun, covering safe operation, maintenance, and warranty information. Learn how to use the glue gun effectively and safely.

