

LIBRATON 900913

Libraton Rivet Gun Instruction Manual

Model: 900913

1. INTRODUCTION

Thank you for choosing the Libraton Rivet Gun Kit. This manual provides essential information for the safe and effective use of your new tool. Please read these instructions carefully before operation and retain them for future reference. This kit is designed for securely fastening metal and heavy fabric in various applications, including automotive, HVAC, aviation, furniture, and more.

2. SAFETY INFORMATION

Always follow basic safety precautions when using power tools to reduce the risk of personal injury. Failure to follow these instructions may result in injury or damage to the tool.

- **Wear Eye Protection:** Always wear ANSI-approved safety goggles or safety glasses with side shields when operating the rivet gun.
- **Wear Hand Protection:** Use appropriate gloves to protect your hands from sharp edges and potential pinching.
- **Keep Work Area Clean:** Ensure your work area is well-lit and free from clutter.
- **Secure Workpiece:** Always clamp or otherwise secure the material you are riveting to prevent movement during operation.
- **Inspect Tool Before Use:** Check the rivet gun for any damage or loose parts before each use. Do not use if damaged.
- **Use Correct Rivet Size:** Ensure the rivet size matches the installed nosepiece to prevent jamming or improper fastening.
- **Keep Fingers Clear:** Keep fingers and other body parts away from the moving parts of the tool, especially the jaws and nosepiece, during operation.
- **Store Safely:** Store the tool in a dry, secure place out of reach of children.

3. PACKAGE CONTENTS

Your Libraton Rivet Gun Kit includes the following items:

- 1 x Hand Riveter
- 80 x Aluminum Rivets (20 pieces each of 2.4mm, 3.2mm, 4.0mm, 4.8mm sizes)
- 4 x HSS Drill Bits (one for each rivet size)
- 4 x Interchangeable Nosepieces (pre-installed or stored on handle)
- 1 x Nosepiece Wrench
- 1 x Cut Shaft Removal Nozzle (for new version sets)



Figure 1: Complete Libraton Rivet Gun Kit contents.

4. COMPONENTS OVERVIEW

Familiarize yourself with the main parts of your Libraton Rivet Gun:



Figure 2: Key components and features of the Libraton Rivet Gun.

- **Nosepiece:** The interchangeable tip that holds the rivet. Made with HRC52 hardness for durability.
- **Jaws:** Internal mechanism that grips and pulls the rivet mandrel.
- **Handles:** Ergonomically designed with thick PVC grips for comfort and non-slip operation. Constructed from reinforced 2mm carbon steel for strength.
- **Nosepiece Storage:** The handle typically stores the interchangeable nosepieces for convenience.

5. SETUP

Before using the rivet gun, ensure the correct nosepiece is installed for your chosen rivet size.

5.1 Selecting and Installing Nosepieces

1. Identify the diameter of the rivet you intend to use (e.g., 2.4mm, 3.2mm, 4.0mm, 4.8mm).
2. Select the corresponding nosepiece from the storage on the handle.
3. Unscrew the currently installed nosepiece (if any) from the front of the rivet gun.
4. Screw the selected nosepiece firmly into place using the provided nosepiece wrench. Ensure it is tightened securely to prevent loosening during operation.



Figure 3: Nosepieces stored on the handle and an installed nosepiece.

6. OPERATING INSTRUCTIONS

Follow these steps for proper operation of your Libraton Rivet Gun:

1. **Prepare Materials:** Align the base metal and joint material precisely at the fastening position. Secure the materials to prevent shifting.
2. **Drill Pilot Hole:** Using an HSS drill bit of the correct diameter (matching your rivet size), drill a pilot hole at a right angle through both materials.
3. **Insert Rivet:** Ensure the correct nosepiece is installed on the rivet gun. Insert the blind rivet into the prepared hole. Push the rivet firmly until its flange is flush against the material surface.
4. **Operate Rivet Gun:** Place the nosepiece of the rivet gun over the rivet's mandrel. Squeeze the handles of the rivet gun together firmly and steadily. Continue squeezing until you hear a distinct "pop" sound, indicating that the rivet has been compressed and the mandrel has broken off.
5. **Remove Mandrel:** After the rivet is set, release the handles. The broken mandrel (cut shaft) should fall out of the nosepiece. If it does not, refer to the Troubleshooting section.



Figure 4: Step-by-step guide to using the rivet gun.



7. MAINTENANCE

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

- **Cleaning:** After each use, wipe down the tool with a clean, dry cloth to remove any dust or debris.
- **Lubrication:** Periodically apply a small amount of light machine oil to the pivot points and jaws to ensure smooth operation.
- **Nosepiece Inspection:** Check nosepieces for wear or damage. Replace if necessary to ensure proper rivet setting.
- **Storage:** Store the rivet gun in a dry environment to prevent rust. Keep all nosepieces and the wrench together with the tool.

8. TROUBLESHOOTING

8.1 Mandrel (Cut Shaft) Does Not Eject

If the broken mandrel remains stuck inside the nosepiece after setting a rivet, this can occur if a rivet of a different size from the nosepiece was used, or due to debris.

- **Check Nosepiece Size:** Ensure the installed nosepiece matches the rivet diameter.
- **Use Cut Shaft Removal Nozzle:** For newer versions of the kit, a dedicated cut shaft removal nozzle is included. This nozzle can be screwed onto the front of the rivet gun. Insert the stuck mandrel into the nozzle and gently push to dislodge it.
- **Manual Removal:** If a removal nozzle is not available, carefully remove the nosepiece and use a thin, blunt object (like a small punch or the back of a drill bit) to push the mandrel out from the rear of the nosepiece. Always ensure the tool is not under tension and exercise caution.



Figure 6: Cut Shaft Removal Nozzle for clearing stuck mandrels.

9. SPECIFICATIONS

Brand	LIBRATON
Model Number	900913
Material	All-steel construction, Reinforced carbon steel handle, PVC grips
Rivet Sizes Supported	3/32" (2.4mm), 1/8" (3.2mm), 5/32" (4.0mm), 3/16" (4.8mm)
Item Weight	730 g
Parcel Dimensions	26.2 x 11.2 x 3.7 cm

10. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the product packaging or contact Libraton Tools directly through their official website or the retailer where the product was purchased. Keep your purchase receipt as proof of purchase.

If you have any questions about our products, please do not hesitate to contact us via your order details. Our professional team will assist you in a timely manner.