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› LEICESTERCN Battery Terminal Connectors User Manual

## LEICESTERCN LST-US-BA01

# LEICESTERCN Battery Terminal Connectors User Manual

Model: LST-US-BA01

## INTRODUCTION

The LEICESTERCN Battery Terminal Connectors are designed to provide a reliable and efficient electrical connection for various vehicle battery types. Constructed from thickened brass, these terminals offer superior corrosion resistance and electrical conductivity, minimizing voltage distortion and current transmission loss. This manual provides essential information for proper installation, maintenance, and troubleshooting to ensure optimal performance and longevity of your battery terminals.

## PRODUCT FEATURES

- Includes one positive (+) and one negative (-) marine-grade top post battery terminal connector.
- Compatible with standard top post batteries (19mm positive post and 17mm negative post) found in cars, vehicles, RVs, boats, campers, and trucks.
- Manufactured from thickened brass with robust fasteners for excellent corrosion resistance against battery acid and marine environments.
- Offers superior electrical conductivity compared to lead or zinc-plated terminals, reducing voltage distortion and current loss.
- Mounting bolt diameters are 5/16" (8mm) and 3/8" (10mm), designed for easy tightening around the battery post.
- Suitable for battery extension, parallel connections, and ground connections.
- Clearly marked with "+" for positive and "-" for negative to ensure correct installation.



Figure 1: A pair of LEICESTERCN brass battery terminal connectors, showing both positive and negative terminals.

## INSTALLATION INSTRUCTIONS

Follow these steps for safe and effective installation of your battery terminal connectors:

1. **Safety First:** Before beginning, ensure your vehicle's ignition is off. Always disconnect the negative (-) battery terminal first to prevent accidental short circuits. Use appropriate safety gear, including gloves and eye protection.
2. **Clean Battery Posts:** Thoroughly clean the battery posts using a wire brush or battery terminal cleaner to remove any corrosion or dirt. A clean connection ensures optimal conductivity.
3. **Identify Terminals:** Locate the positive (+) and negative (-) battery posts on your battery. The LEICESTERCN terminals are clearly marked with "+" and "-" symbols for easy identification.

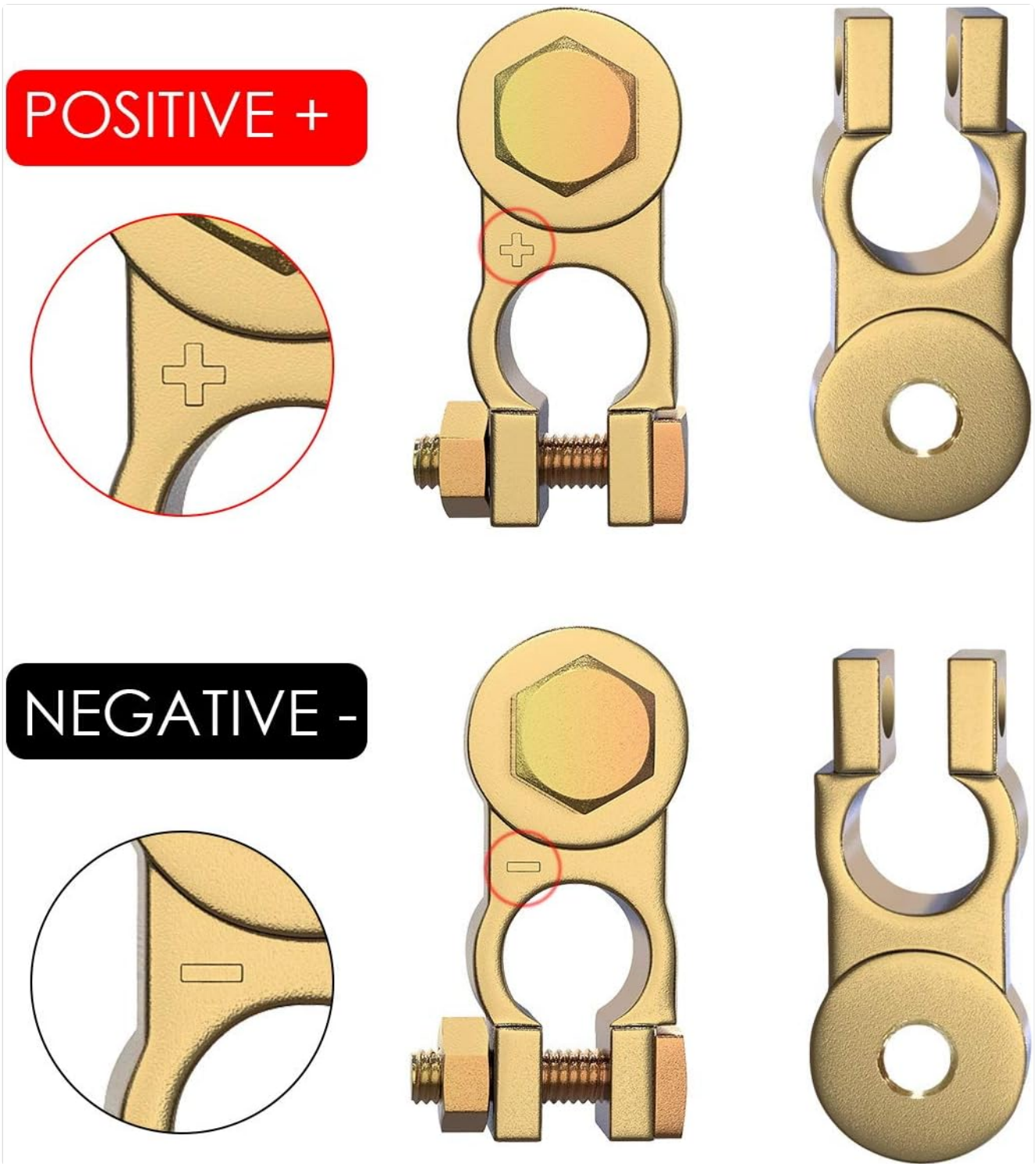


Figure 2: Close-up view of the positive (+) and negative (-) markings on the battery terminals for correct identification.

4. **Attach Terminals:** Place the positive terminal onto the positive battery post and the negative terminal onto the negative battery post. Ensure they fit snugly.

# EASY TO INSTALL

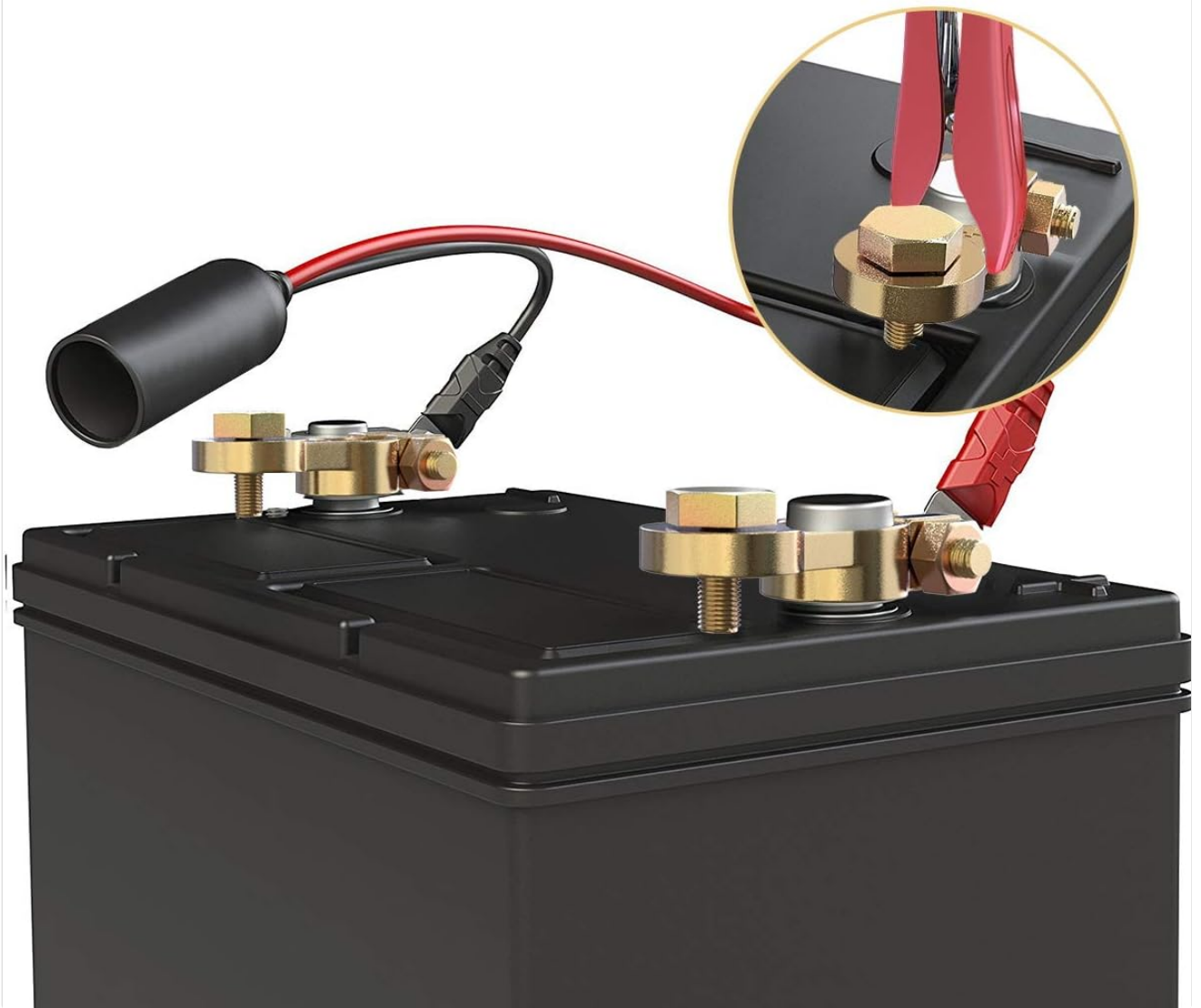


Figure 3: Illustration showing the battery terminals properly installed on a vehicle battery, ready for cable connection.

5. **Tighten Connections:** Use a wrench to tighten the mounting bolts (5/16" or 8mm and 3/8" or 10mm diameters) securely around the battery posts. Do not overtighten, as this can damage the battery or terminals.

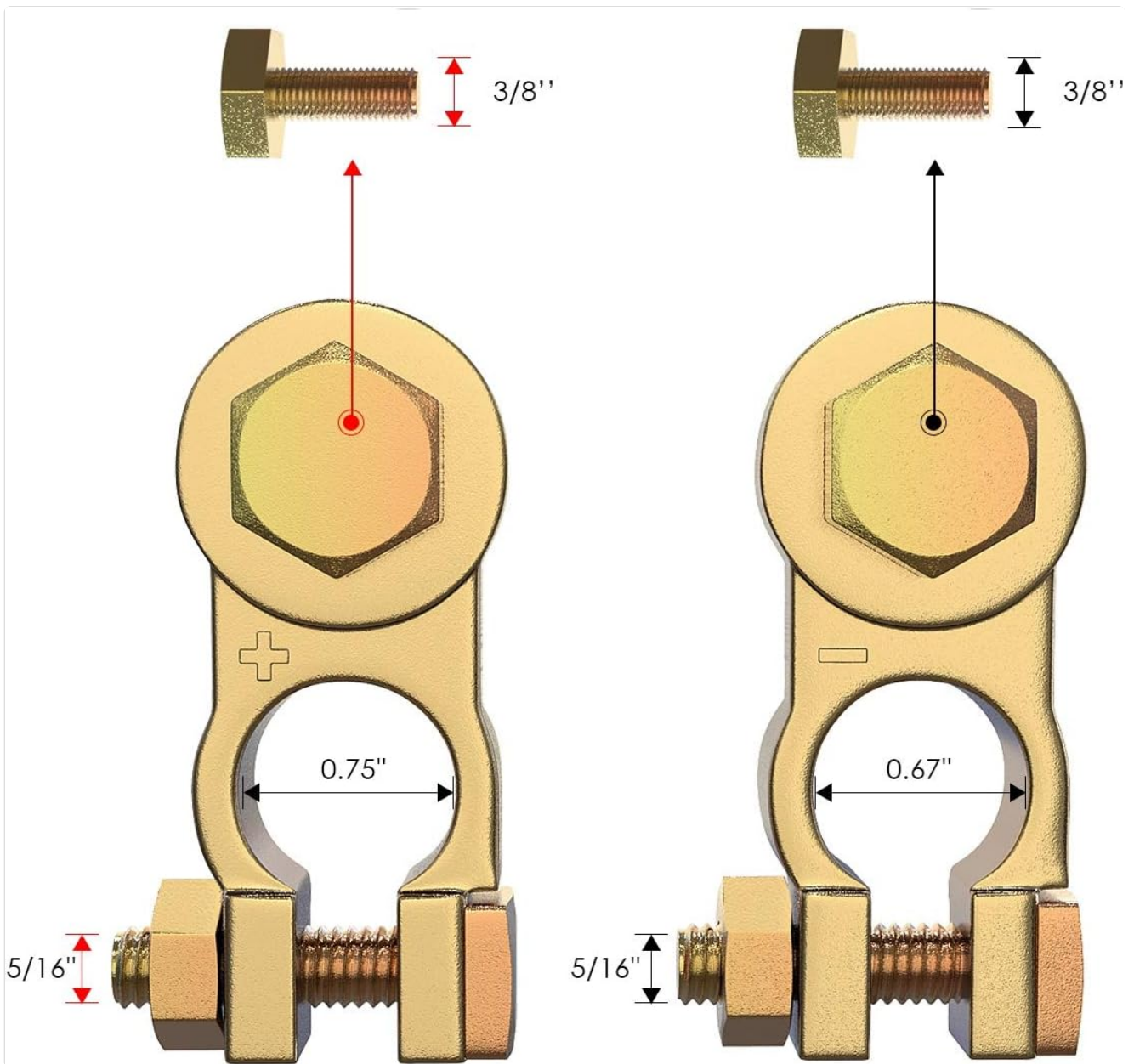


Figure 4: Diagram illustrating the dimensions of the battery terminals, including the 0.75" positive and 0.67" negative post openings, and the 5/16" and 3/8" bolt diameters.

6. **Connect Cables:** Attach your vehicle's battery cables to the new terminals. Ensure a tight and secure connection. Reconnect the positive (+) cable first, then the negative (-) cable.

## MAINTENANCE

Regular maintenance helps prolong the life and performance of your battery terminals:

- **Periodic Inspection:** Routinely check the terminals for any signs of corrosion, looseness, or damage.
- **Cleaning:** If corrosion appears, disconnect the battery (negative first) and clean the terminals and posts with a battery terminal brush and a solution of baking soda and water. Rinse with clean water and dry thoroughly.
- **Tightness Check:** Periodically verify that the terminal bolts are securely tightened. Loose connections can lead to poor conductivity and potential damage.
- **Protective Coating:** Apply a thin layer of dielectric grease or anti-corrosion spray to the terminals after cleaning and tightening to prevent future corrosion.

## TROUBLESHOOTING

If you encounter issues with your battery terminals, consider the following:

- **Poor Electrical Connection:** If your vehicle experiences intermittent power or difficulty starting, check for loose or corroded connections at the battery terminals. Clean and tighten as necessary.
- **Excessive Corrosion:** While brass offers good corrosion resistance, extreme conditions or lack of maintenance can still lead to buildup. Follow the cleaning steps in the Maintenance section.
- **Terminal Damage:** In rare cases, terminals may show signs of material fatigue or cracking, especially under constant vibration or improper installation. Inspect the terminals for any physical damage. If significant damage is present, replacement is recommended.

*Note: A customer-submitted video (not an official product video) shows a terminal that fractured due to material brittleness, exhibiting internal voids. While this is an isolated incident, it highlights the importance of proper installation and avoiding excessive force during tightening.*

## SPECIFICATIONS

Specification	Detail
Brand	LEICESTERCN
Model Number	LST-US-BA01
UPC	712424110646
Contact Material	Brass, Copper
Connector Type	Clamp
Terminal Type	Screw
Number of Positions	2 (Positive, Negative)
Item Weight	7.8 ounces
Package Dimensions	2.8 x 2.72 x 1.3 inches
International Protection Rating	IP65

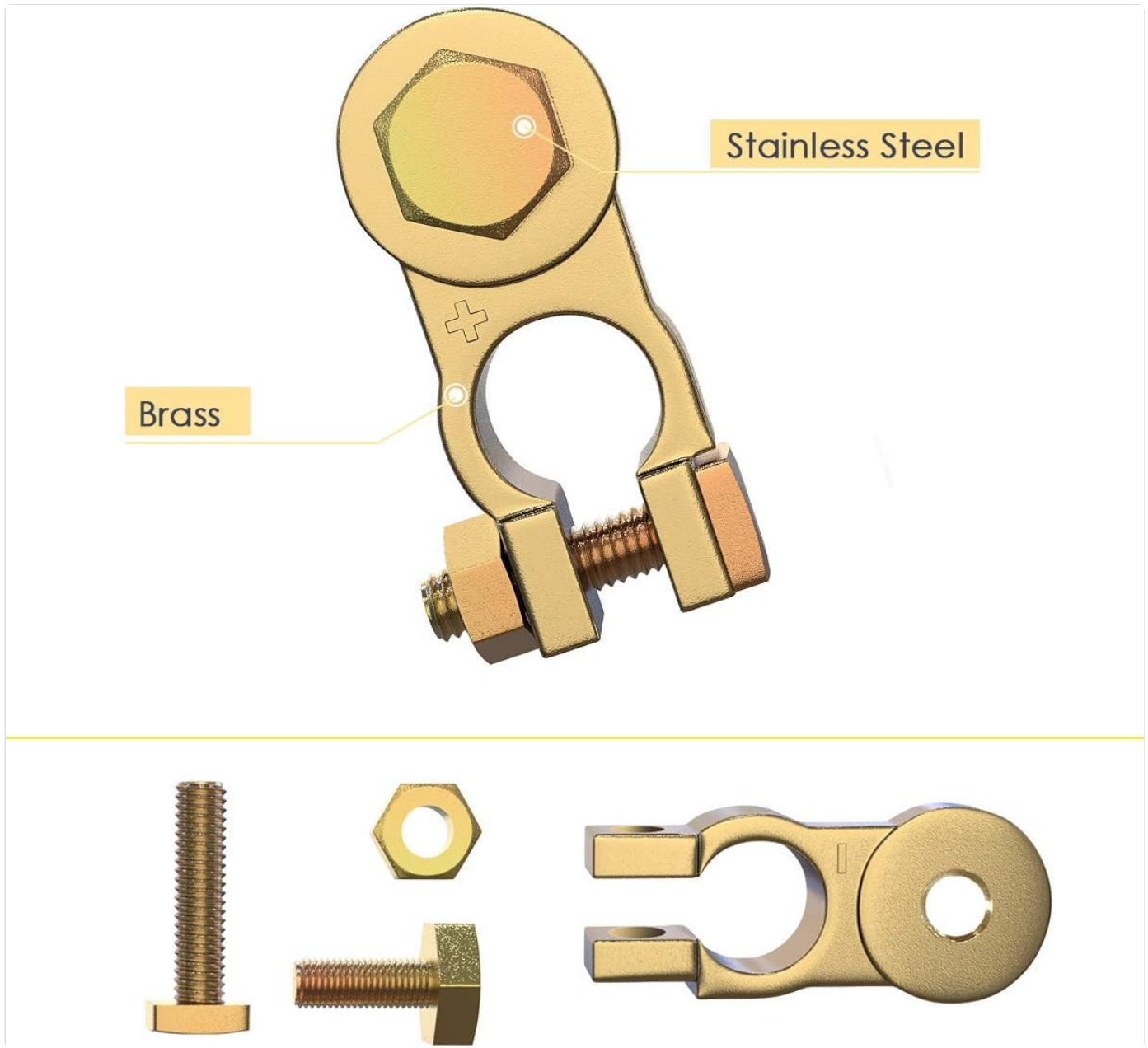


Figure 5: Exploded view showing the brass body and stainless steel bolt components of the terminal connector.



Figure 6: Image displaying the typical package contents, including one positive terminal, one negative terminal, and associated hardware.

## WARRANTY AND SUPPORT

LEICESTERCN provides a **3-Year quality assurance** for this product. Additionally, a **12-Month refund** policy is available. For any inquiries or assistance, timely **24/7 after-sale services** are offered. Please refer to your purchase documentation for specific contact details.