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GELUOXI 1J0 937 550

Instruction Manual: Fuse Box Battery Box 1J0937550A 1J0937617D

Model: 1J0 937 550 | Brand: GELUOXI

1. Introduction

This manual provides essential information regarding the GELUOXI Fuse Box Battery Box, model 1J0 937 550. This component is crucial for the proper functioning of your vehicle's electrical system, particularly in managing the power distribution and protecting circuits from overcurrent. Understanding its function, compatibility, and maintenance is vital for vehicle longevity and safety.

2. Product Overview and Compatibility

2.1 OEM Part Numbers

This fuse box is compatible with the following Original Equipment Manufacturer (OEM) part numbers:

- 1J0 937 617 D
- 1J0 937 550
- 1J0 937 550 AA
- 1J0 937 550 AB
- 1J0 937 550 AC
- 1J0 937 550 AD
- 1J0 937 550 AE
- 1J0 937 550 AF
- 1J0 937 550 AG

2.2 Compatible Vehicle Models

The GELUOXI Fuse Box Battery Box is designed for direct fitment in the following vehicle models:

- **Compatible with VW:**
  - Beetle: 2002-2010 (including 1.8/2.0 2005, 1.9 2005-2006)
  - Golf MK4: 1999-2005 (including 1.8/1.9/2.0)
  - Golf GTI: 2000-2006 (including 1.8/2.8)

    - Golf City: 2007-2010
    - Jetta MK4: 1999-2005 (including 1.8/1.9/2.0/2.8)
    - Jetta City: 2007-2009
    - Bora MK4: 1999-2005
- **Compatible with Audi:**
    - A3/S3: 2001-2003
- **Compatible with Seat:**
    - Leon: 2000-2006
    - Toledo: 1999-2004
- **Compatible with Skoda:**
    - Octavia: 2001-2011

3. Installation Considerations

The fuse box is a critical component in your vehicle's electrical system. Proper installation is essential for safety and functionality. It is recommended that installation be performed by a qualified automotive technician.

3.1 Pre-Installation Check

Before installing the new fuse box, ensure the vehicle's battery is disconnected to prevent electrical shorts or damage. Visually inspect the new fuse box for any signs of damage from shipping.

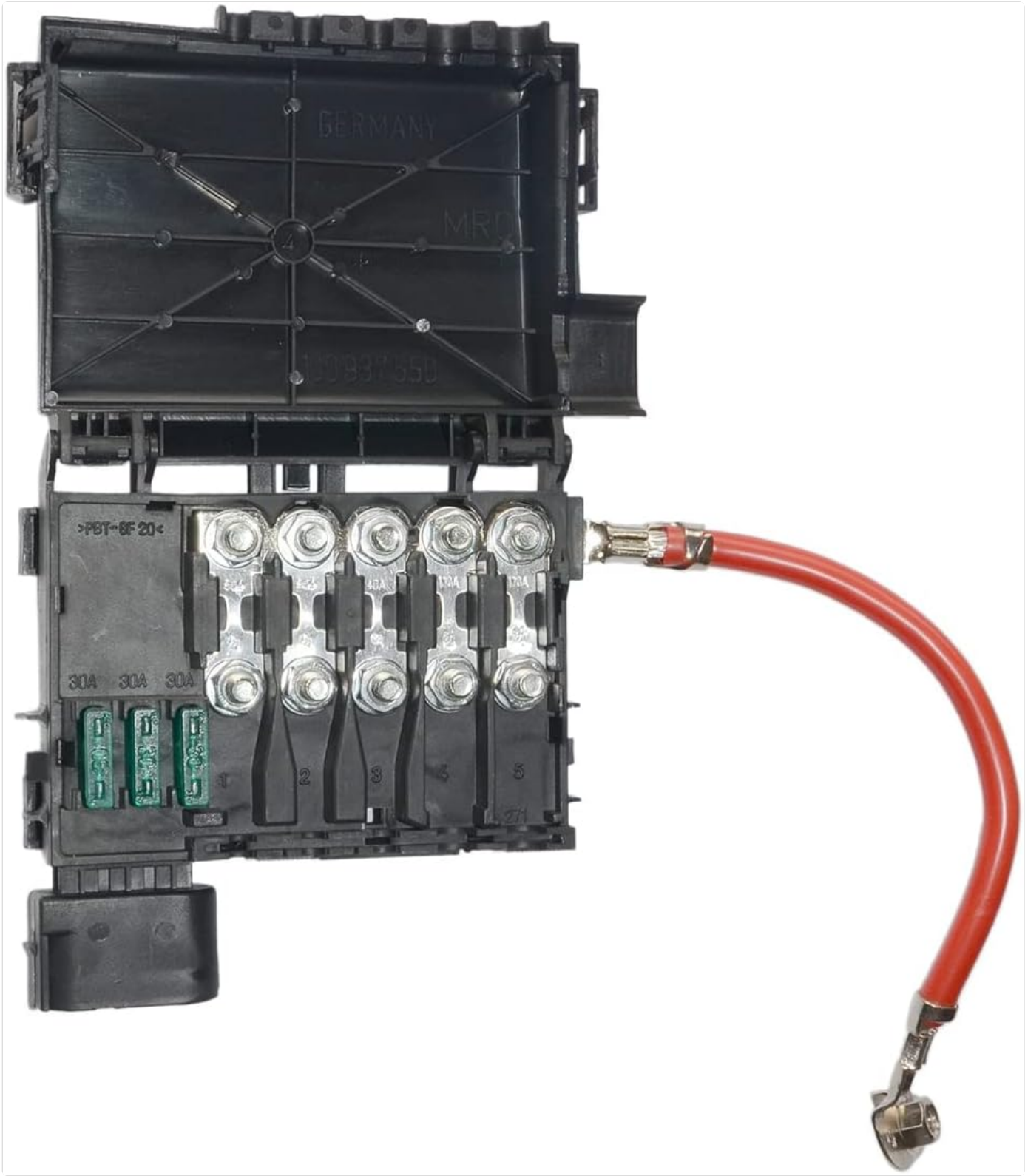


Figure 1: Top view of the fuse box with internal components visible.

3.2 Replacement Procedure (General Guidance)

1. **Disconnect Battery:** Always disconnect the negative terminal of the vehicle's battery before beginning any electrical work.
2. **Locate Old Fuse Box:** Identify the existing fuse box/battery box in your vehicle.
3. **Document Connections:** Carefully note or photograph all existing wiring connections to the old fuse box. This is crucial for correct re-connection.
4. **Remove Old Unit:** Disconnect all wires and mounting hardware securing the old fuse box.
5. **Install New Unit:** Position the new GELUOXI fuse box and secure it with the appropriate mounting hardware.

6. **Reconnect Wiring:** Reconnect all wires to the new fuse box according to your documentation. Ensure all connections are secure and free from corrosion.
7. **Reconnect Battery:** Reconnect the negative terminal of the battery.
8. **Test System:** Start the vehicle and test all electrical systems to ensure proper operation.

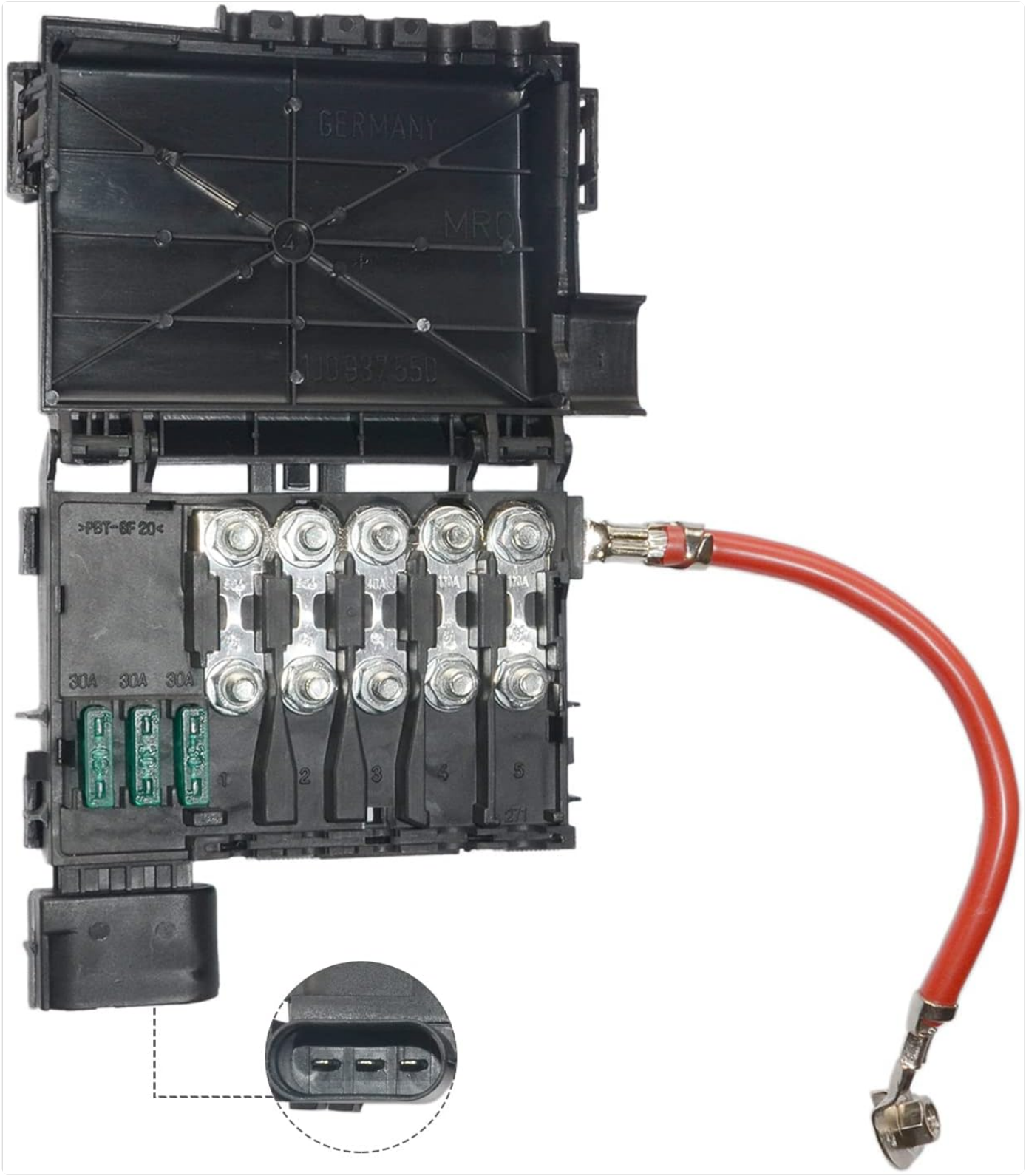


Figure 2: Detailed view of the main terminals and electrical connector.



Figure 3: Angled view of the fuse box, highlighting the fuse slots.

4. Operation

The fuse box serves as a central distribution point for electrical power within the vehicle, protecting various circuits from excessive current. Each fuse is designed to blow (break the circuit) if the current exceeds a safe level, preventing damage to electrical components and wiring. The integrated battery box component provides a secure housing and connection point for the vehicle's battery and its primary power lines.

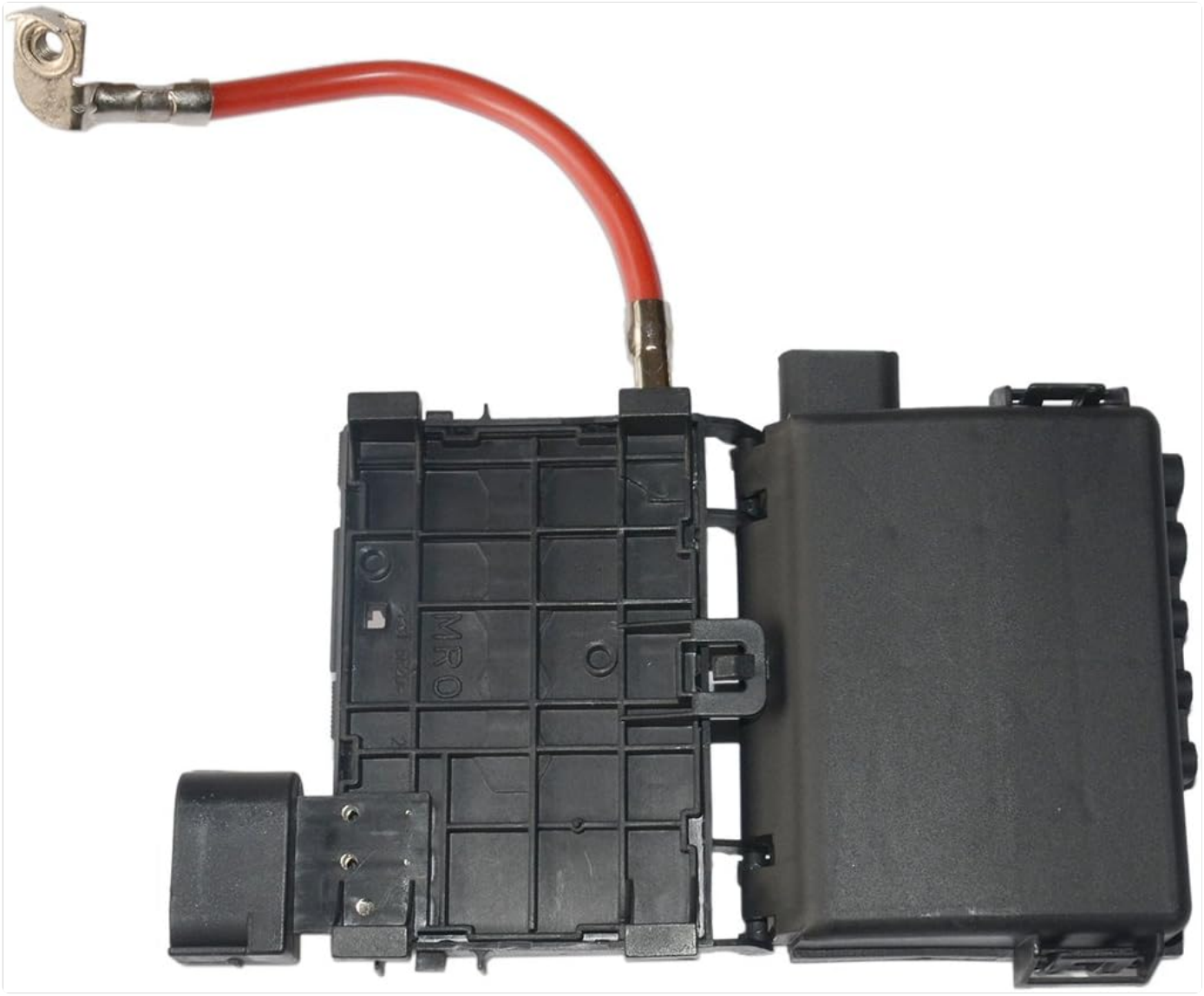


Figure 4: Side view of the fuse box.

5. Maintenance

Regular inspection of the fuse box is crucial for preventing electrical issues. Pay close attention to the following:

- **Corrosion:** Inspect for any signs of corrosion on the terminals, fuse clips, or wiring. Corrosion can impede current flow and lead to resistance.
- **Thermal Deformation:** Check for any signs of melting, discoloration, or deformation of the plastic housing or insulation, which indicates excessive heat.
- **Fuse Integrity:** Ensure all fuses are properly seated and show no signs of damage or burning.

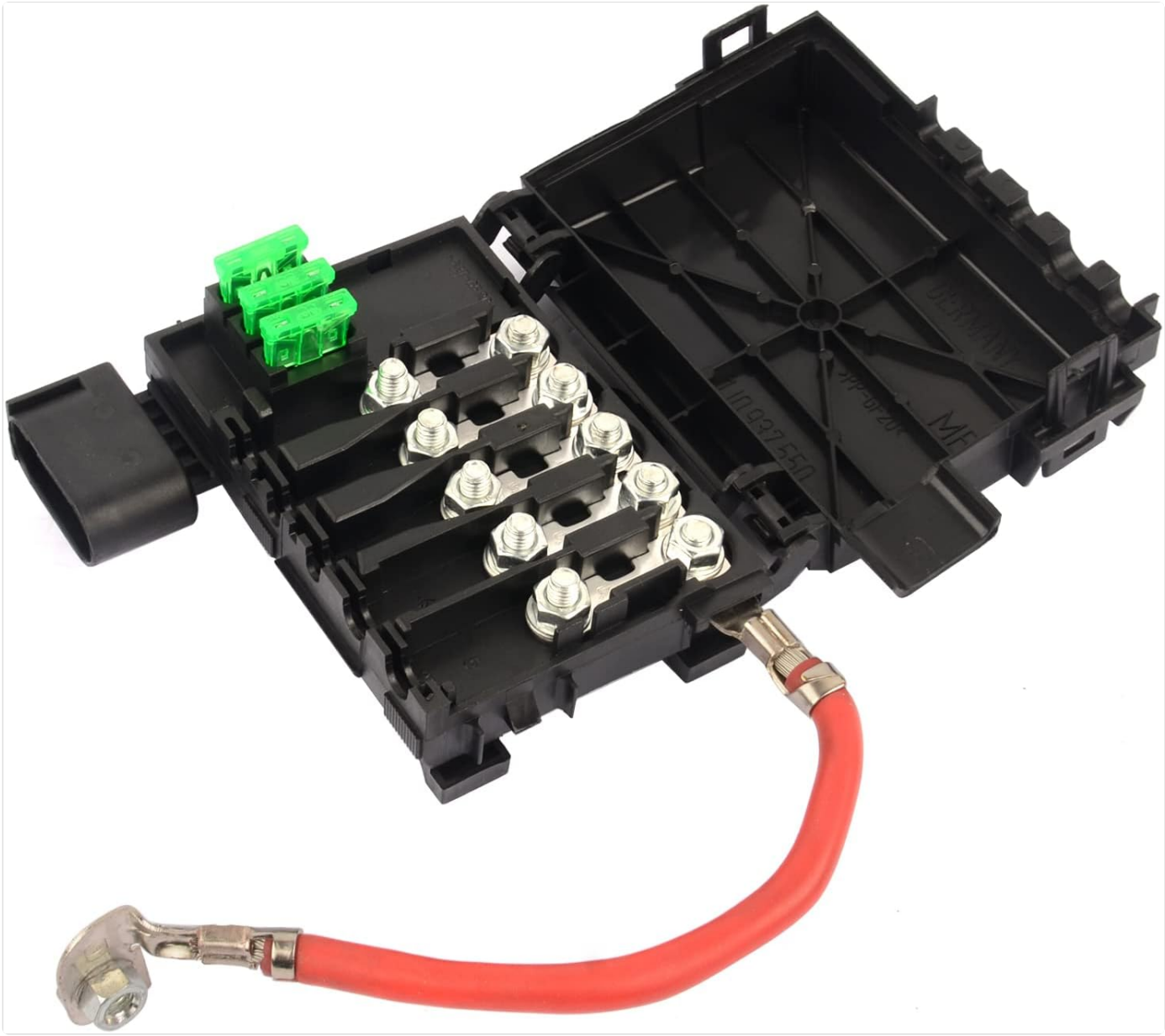


Figure 5: Close-up of the electrical connector.

6. Troubleshooting

Issues with the fuse box can often manifest as problems with the vehicle's charging system or other electrical components. Here are common scenarios and troubleshooting steps:

6.1 Alternator Not Charging Properly

If the alternator is not charging the battery normally, even after replacing the alternator, the fuse box might be the culprit.

- **Symptom:** Alternator appears faulty, but voltage test on battery shows low charge, or new alternator fails to charge.
- **Cause:** Corrosion within the fuse box can prevent the field current from reaching the alternator, leading to misdiagnosis of a faulty alternator. High amperage flows through the fuse holder to the positive battery terminal; if the holder is corroded, thermally deformed, or has melted insulation, it can burn the fuse clips.
- **Solution:**

    1. First, check the alternator fuse within the fuse box.
    2. Inspect the entire fuse box for signs of corrosion, thermal deformation, melted insulation, or damage to the fuse itself.

3. If any of these signs are present, replace the entire fuse holder/box.
4. Perform a voltage drop test across the fuse box under load. A voltage drop should be close to 0 volts. A drop exceeding 0.30 volts indicates excessive resistance, confirming the need for fuse box replacement.

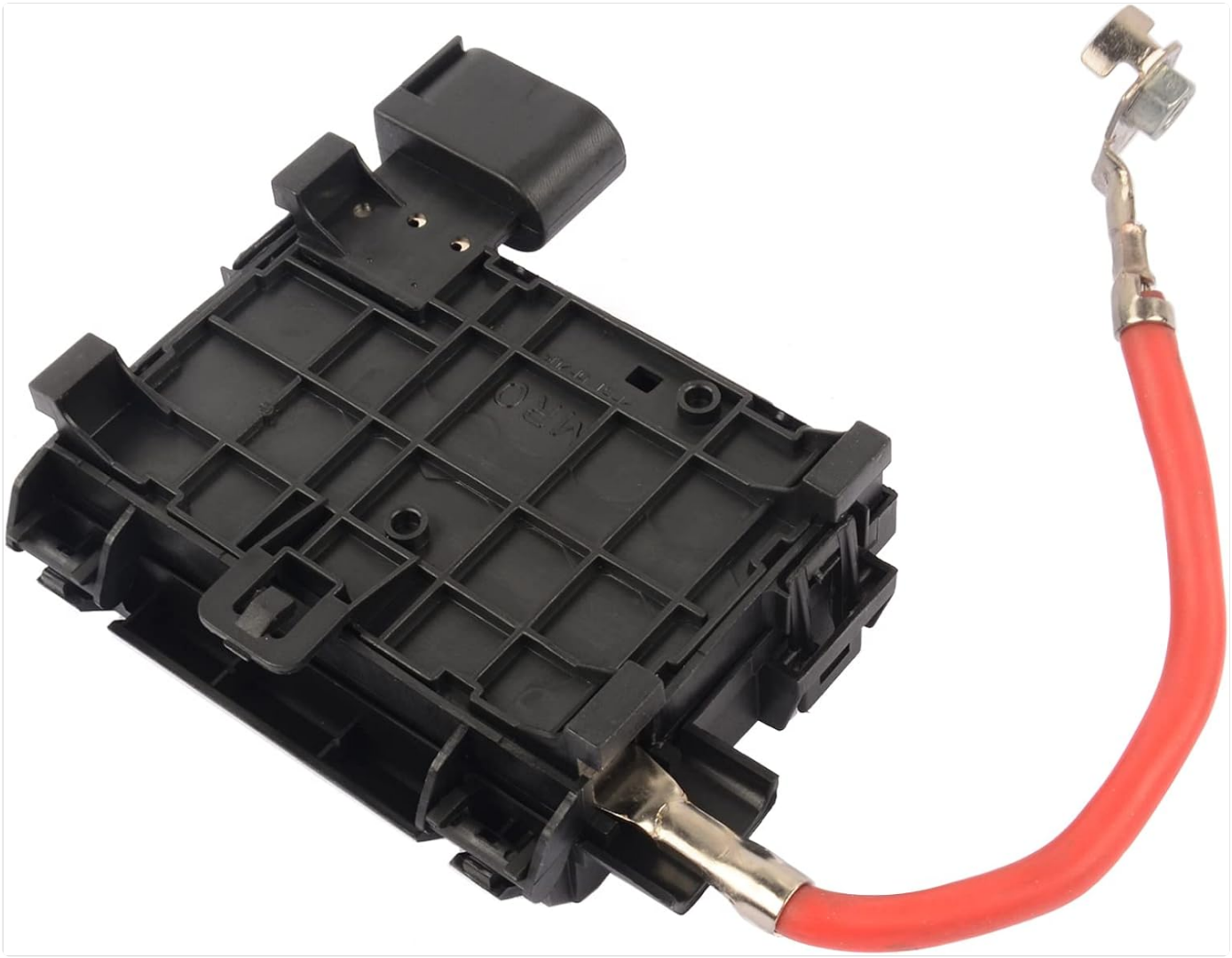


Figure 6: Main power cable connection point.



Figure 7: Battery cable terminal detail.

7. Specifications

Attribute	Detail
Brand	GELUOXI

Attribute	Detail
Item Weight	340 g
Package Dimensions	16.6 x 12.2 x 5.4 cm; 340 grams
Model Number	1J0 937 550
Manufacturer Part Number	1J0937617D 1J0937550AD
ASIN	B01FFF9WEE
Material	Metal and Copper
Specification Met	OEM
Mounting Type	Through Hole Mount
UPC	718460433879

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