

Universal Parts 138-117

Universal Parts 12V 18/18W H4 Headlight Bulb Instruction Manual

Model: 138-117

INTRODUCTION

This manual provides essential instructions for the safe and effective installation, operation, and maintenance of your Universal Parts 12V 18/18W H4 Headlight Bulb. This H4 style bulb is designed for street-legal full-size scooters, providing both high and low beam functionality. Please read this manual thoroughly before installation and retain it for future reference.



Image: A clear view of the Universal Parts 12V 18/18W H4 Headlight Bulb, showing its glass bulb, metal base, and three electrical prongs for connection.

SAFETY INFORMATION

Always observe the following safety precautions:

- Ensure the vehicle's ignition is off and the battery is disconnected before attempting installation.
- Wear appropriate personal protective equipment, such as gloves and eye protection, during installation.

- Avoid touching the glass portion of the new bulb with bare hands, as oils can reduce bulb life. Use a clean cloth or gloves.
- Handle the bulb carefully to prevent breakage. Broken glass can cause injury.
- Dispose of old bulbs according to local regulations.

INSTALLATION INSTRUCTIONS

This section outlines the general procedure for replacing an H4 headlight bulb. Specific steps may vary depending on your vehicle's make and model. Refer to your vehicle's service manual for detailed instructions.

1. **Preparation:** Park the vehicle on a level surface and ensure the engine is off. Disconnect the negative terminal of the vehicle's battery to prevent electrical shorts.
2. **Access the Headlight Assembly:** Locate the rear of the headlight assembly. This may require opening the hood or removing specific fairings on a scooter.
3. **Disconnect Wiring:** Carefully disconnect the electrical connector from the back of the old headlight bulb.
4. **Remove Retaining Clip/Spring:** Unclip or unfasten the retaining clip or spring that holds the bulb in place.
5. **Remove Old Bulb:** Gently pull the old bulb straight out from the headlight housing.
6. **Inspect and Compare:** Before installing the new bulb, compare it to the old one to ensure it is an exact match, particularly the base (P43T) and wattage (18/18W). The base diameter is 43mm.
7. **Install New Bulb:** Holding the new bulb by its metal base (avoid touching the glass), carefully insert it into the headlight housing, aligning the tabs on the bulb base with the notches in the housing.
8. **Secure Bulb:** Re-engage the retaining clip or spring to firmly hold the new bulb in position.
9. **Reconnect Wiring:** Reconnect the electrical connector to the new bulb.
10. **Test Functionality:** Reconnect the vehicle's battery. Turn on the ignition and test both the high and low beams to ensure proper operation.
11. **Reassemble:** Reinstall any removed fairings or covers.

***Note:** If the bulb does not illuminate, check the electrical connection and ensure the bulb is seated correctly. If issues persist, consult a qualified technician.*

OPERATION

The Universal Parts 12V 18/18W H4 Headlight Bulb operates as a standard automotive headlight bulb, providing both high and low beam functions. The selection between high and low beam is controlled by your vehicle's headlight switch or stalk.

- **Low Beam:** Provides a dipped beam pattern suitable for general driving, designed to illuminate the road ahead without dazzling oncoming traffic.
- **High Beam:** Provides a brighter, longer-range beam pattern for increased visibility in unlit areas. Use with caution to avoid dazzling other drivers.

Ensure your headlights are properly aimed after installation to maximize visibility and comply with local regulations.

MAINTENANCE

The Universal Parts H4 Headlight Bulb is a sealed unit and requires no internal maintenance. However, regular checks of your vehicle's headlight system are recommended:

- **Regular Inspection:** Periodically check both high and low beams for proper function.
- **Clean Headlight Lenses:** Keep your vehicle's headlight lenses clean from dirt, grime, and oxidation to ensure maximum light output.
- **Wiring Check:** Inspect the wiring and connectors for any signs of corrosion or damage.

If a bulb fails, replace it promptly to maintain safe driving conditions and comply with legal requirements.

TROUBLESHOOTING

If your new headlight bulb is not functioning correctly, consider the following common issues:

- **Bulb Not Lighting Up:**
 - Check if the electrical connector is securely attached to the bulb.
 - Ensure the bulb is correctly seated in the headlight housing and the retaining clip is engaged.
 - Verify that the vehicle's headlight switch is in the correct position.
 - Check the vehicle's fuse box for a blown headlight fuse. Replace if necessary.
 - Inspect the wiring for any visible damage or corrosion.
- **Dim or Flickering Light:**
 - This could indicate a poor electrical connection or a failing bulb. Re-seat the bulb and check connections.
 - Ensure the vehicle's charging system is functioning correctly, providing stable voltage.
- **Only One Beam (High or Low) Works:**
 - The H4 bulb has two filaments. If one beam fails, the corresponding filament may be burnt out. The bulb will need replacement.

If troubleshooting steps do not resolve the issue, it is recommended to consult a professional automotive technician.

SPECIFICATIONS

Feature	Detail
Brand	Universal Parts
Model Number	138-117
Bulb Type	H4 Headlight Bulb
Voltage	12V
Wattage	18/18W (High/Low Beam)
Bulb Base	P43T

Base Diameter	43mm
Item Weight	3.2 ounces
UPC	752584716562

WARRANTY INFORMATION

Universal Parts products are manufactured to high-quality standards. Specific warranty terms and conditions may vary. Please refer to the original purchase documentation or contact Universal Parts customer support for detailed warranty information regarding this headlight bulb.

CUSTOMER SUPPORT

For technical assistance, questions, or to report an issue with your Universal Parts 12V 18/18W H4 Headlight Bulb, please contact Universal Parts customer support. Contact information can typically be found on the product packaging or the manufacturer's official website.