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› EAPP 180 Amp Battery Fuse (P/N 18790-01319, Model EDSB-664458K) Instruction Manual

EAPP EDSB-664458K

EAPP 180 Amp Battery Fuse (P/N 18790-01319, Model EDSB-664458K) Instruction Manual

1. INTRODUCTION

This manual provides essential information for the proper installation, function, and maintenance of your EAPP 180 Amp Battery Fuse, part number 18790-01319 (Model EDSB-664458K). This component is designed as a direct replacement for specific automotive electrical systems, ensuring circuit protection for your vehicle's battery and associated components.

2. SAFETY INFORMATION

WARNING: Working with automotive electrical systems can be hazardous. Improper installation or handling can result in electrical shock, fire, or damage to the vehicle. Always follow these safety guidelines:

- Always disconnect the vehicle's negative battery terminal before attempting any electrical work.
- Wear appropriate personal protective equipment, including safety glasses and insulated gloves.
- Ensure the vehicle is turned off and the ignition key is removed.
- Do not touch live electrical components.
- If you are unsure about any step, consult a qualified automotive technician.
- Only replace a fuse with one of the exact same amperage rating (180 Amp). Using a fuse with a different rating can cause severe damage or fire.

3. PRODUCT OVERVIEW

The EAPP 180 Amp Battery Fuse is a single-pole fuse designed to protect the main electrical circuit from overcurrent conditions. It is constructed from copper and plastic, ensuring durability and reliable performance within the vehicle's electrical system. The fuse assembly includes the main fuse unit and two automotive-grade nuts (one M8 and one M6) for secure installation.



Figure 3.1: Angled view of the EAPP 180 Amp Battery Fuse, showing the fuse element, terminals, and included M8 and M6 nuts.



Figure 3.2: Top-down view of the EAPP 180 Amp Battery Fuse, highlighting the 180A rating and part number on the transparent casing.



Figure 3.3: Rear angled view of the EAPP 180 Amp Battery Fuse, showing the mounting plate and plastic housing details.

4. INSTALLATION INSTRUCTIONS

This fuse is designed for direct fit replacement. Follow these steps for installation:

1. **Prepare the Vehicle:** Ensure the vehicle is off. Disconnect the negative battery terminal first, followed by the positive battery terminal. This prevents accidental short circuits.
2. **Locate the Old Fuse:** Identify the existing 180 Amp battery fuse, typically located near the positive battery terminal or within a battery junction box.
3. **Remove the Old Fuse:** Carefully unbolt and remove the old fuse assembly. Note the orientation and connection points.
4. **Install the New Fuse:** Position the new EAPP 180 Amp Battery Fuse in the same location and orientation as the old one. Secure it using the provided M8 and M6 automotive-grade nuts. Ensure all connections are clean and tight to prevent poor electrical contact, which can lead to overheating.
5. **Reconnect Battery:** Reconnect the positive battery terminal first, then the negative battery terminal. Ensure all connections are secure.
6. **Test System:** Start the vehicle and verify that all electrical systems are functioning correctly.

If you are unsure about the fitment for your specific vehicle, please contact the manufacturer with your

vehicle's make, model, and year.

5. OPERATION

The EAPP 180 Amp Battery Fuse operates passively as a critical safety device within your vehicle's electrical system. Its primary function is to protect the main power circuit from excessive current flow. In the event of an electrical short circuit or overload that exceeds 180 Amps, the fuse element will melt, breaking the circuit and preventing damage to more expensive components, wiring, or potential fire hazards. Once a fuse has blown, it must be replaced.

6. MAINTENANCE

Fuses are generally maintenance-free components. However, periodic inspection is recommended:

- Visually inspect the fuse and its terminals for any signs of corrosion, melting, or physical damage during routine vehicle maintenance.
- Ensure that the terminal nuts remain tight. Loose connections can generate heat and lead to premature fuse failure or other electrical issues.
- If the fuse appears discolored, cracked, or shows signs of a blown element (often visible through the clear casing), it should be replaced.

7. TROUBLESHOOTING

If your vehicle experiences a sudden loss of main electrical power, charging issues, or other significant electrical malfunctions, the 180 Amp battery fuse may have blown. This is a protective measure, indicating an underlying electrical problem.

Common Symptoms of a Blown Battery Fuse:

- No power to the vehicle (e.g., no lights, no ignition).
- Battery not charging (alternator output not reaching the battery).
- Intermittent electrical issues.

Troubleshooting Steps:

1. **Visual Inspection:** After ensuring safety precautions (disconnecting battery), visually inspect the fuse. A blown fuse will typically show a broken or melted metal strip inside the clear casing.
2. **Continuity Test:** If visual inspection is inconclusive, use a multimeter to test for continuity across the fuse terminals. A blown fuse will show no continuity.
3. **Replacement:** If the fuse is confirmed blown, replace it with an identical EAPP 180 Amp Battery Fuse (P/N 18790-01319, Model EDSB-664458K). Refer to Section 4 for installation instructions.

Important: A blown fuse indicates an underlying electrical issue. If the new fuse blows immediately or shortly after replacement, there is a persistent fault in the vehicle's electrical system. Consult a qualified automotive technician to diagnose and repair the root cause.

8. SPECIFICATIONS

Feature	Specification
Brand	EAPP
Model Number	EDSB-664458K
Part Number	18790-01319, 1879001319
Amperage Rating	180 Amps
Voltage Rating (DC)	14.1 Volts
Material	Copper, Plastic
Mounting Type	Pole
Included Hardware	1x M8 Nut, 1x M6 Nut

9. WARRANTY AND SUPPORT

Specific warranty information for the EAPP 180 Amp Battery Fuse is not provided in this manual. For details regarding warranty coverage, technical support, or to confirm fitment for your vehicle, please contact EAPP directly through their official customer service channels.