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Aexit f190413ae106618

Aexit 20 Pieces Black Car 2-Wire ATC In-line Fuse Holder User Manual

MODEL: F190413AE106618

1. Introduction

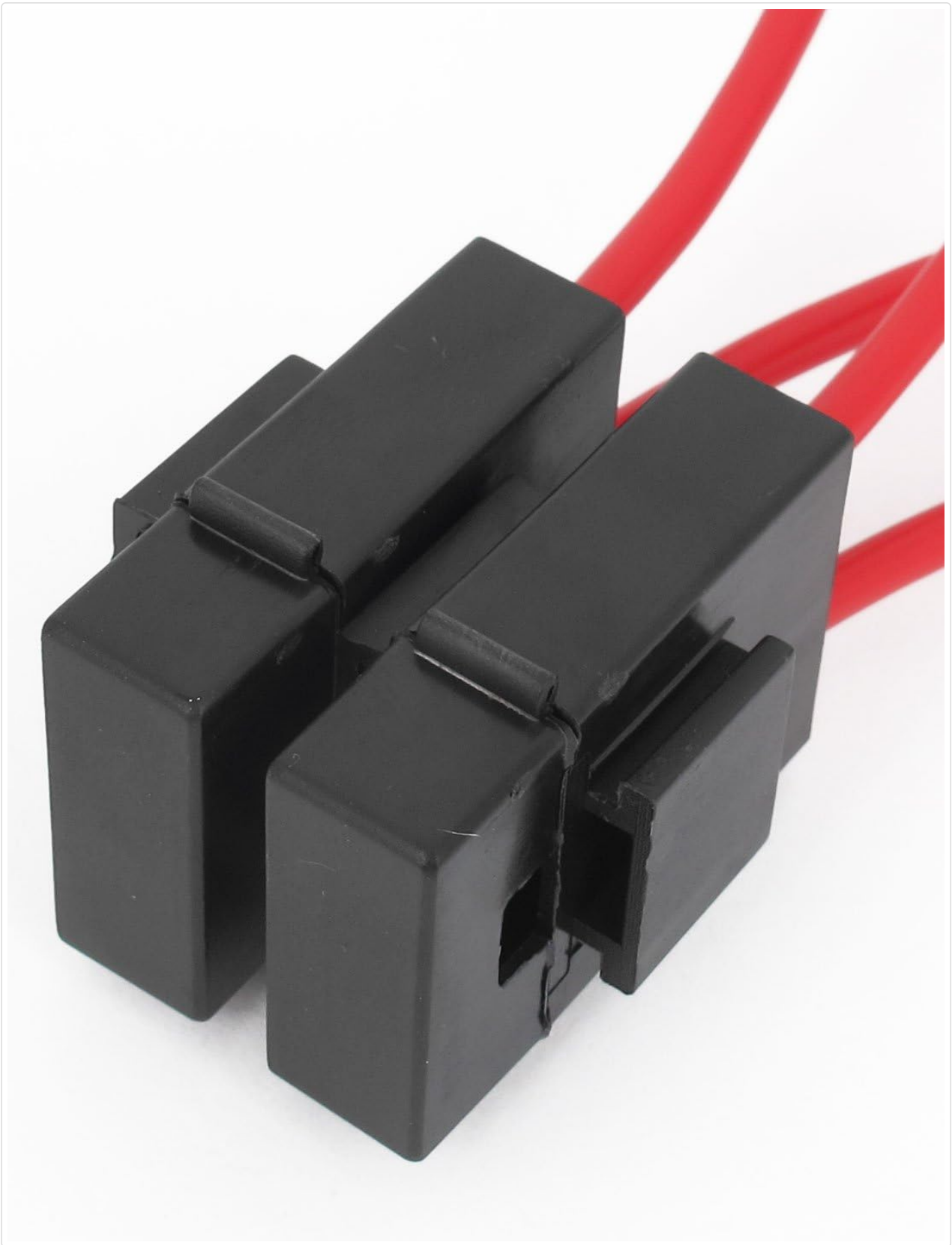
This manual provides essential information for the proper installation, operation, and maintenance of your Aexit 20-piece Black Car 2-Wire ATC In-line Fuse Holders. Please read this manual thoroughly before use to ensure safe and effective application of the product. Retain this manual for future reference.

2. Product Overview

The Aexit 20-piece in-line fuse holder is designed for automotive applications, providing a secure and accessible housing for ATC fuses. It is suitable for protecting electrical circuits in vehicles from overcurrent conditions, preventing damage to sensitive components.



This image displays the complete set of 20 Aexit in-line fuse holders, each featuring a black plastic housing and red insulated wires. The holders are designed to protect automotive electrical circuits by housing an ATC fuse.



A detailed close-up of two Aexit in-line fuse holders, highlighting the robust black plastic casing and the precise slot where an ATC fuse is inserted. This view emphasizes the compact design and the secure fit for the fuse.

Key Features:

- Product Name: Car Fuse Holder
- Main Material: Durable Plastic, Ceramic
- Exterior Color: Red wires, Black housing
- Body Dimension: Approximately 4 x 2.5 x 1 cm (1.6" x 1" x 0.4") (Length x Width x Thickness)

- Cable Length: Approximately 9 cm (3.5 inches)
- Net Weight: 240g (for the 20-piece package)
- Package Contents: 20 x Car Fuse Holders

3. Setup and Installation

Proper installation is crucial for the safety and performance of the fuse holder. Always disconnect the vehicle's battery before working on electrical systems.

1. **Identify Circuit:** Determine the specific electrical circuit that requires fuse protection.
2. **Prepare Wires:** Carefully cut the positive wire of the circuit at the desired installation point. Strip approximately 1 cm (0.4 inches) of insulation from both ends of the cut wire and from the fuse holder's wires.
3. **Connect Fuse Holder:** Connect one end of the fuse holder's wire to one end of the cut circuit wire. Ensure a secure and robust electrical connection, such as soldering and heat-shrinking, or using appropriate crimp connectors.
4. **Complete Connection:** Connect the other end of the fuse holder's wire to the remaining end of the cut circuit wire. Maintain proper polarity if the circuit is sensitive to direction.
5. **Insert Fuse:** Open the fuse holder cap and insert an appropriate ATC fuse. Ensure the fuse rating (amperage) matches the requirements of the circuit to be protected.
6. **Secure and Insulate:** Close the fuse holder cap securely. Insulate all connections properly using electrical tape or heat shrink tubing to prevent short circuits and protect against environmental elements.
7. **Test:** Reconnect the vehicle's battery and test the circuit to ensure proper functionality.

4. Operating Instructions

The Aexit in-line fuse holder operates passively as a safety device. It houses a replaceable fuse that acts as a sacrificial component to protect the electrical circuit from damage due to excessive current.

- **Circuit Protection:** When the current flowing through the circuit exceeds the fuse's rated amperage, the metallic filament inside the fuse will melt (blow), creating an open circuit and stopping the flow of electricity. This prevents damage to the wiring and connected components.
- **Fuse Replacement:** If a fuse blows, it indicates an overcurrent event. After identifying and resolving the cause of the overcurrent, replace the blown fuse with a new one of the *exact same amperage rating*. Using a fuse with a higher rating can lead to circuit damage or fire.

5. Maintenance

Regular inspection and simple maintenance can extend the lifespan and ensure the reliability of your fuse holders.

- **Periodic Inspection:** Periodically check the fuse holders for any signs of physical damage, such as cracks in the plastic, melted areas, or frayed wires.
- **Connection Integrity:** Ensure all wire connections to the fuse holder are secure and free from corrosion.

Loose connections can generate heat and lead to poor performance.

- **Cap Security:** Verify that the fuse holder cap is securely closed to protect the fuse from moisture, dust, and other contaminants.
- **Fuse Condition:** If a fuse blows frequently, it is a symptom of an underlying electrical problem, not a fault of the fuse holder itself. Do not repeatedly replace fuses without addressing the root cause.

6. Troubleshooting

This section addresses common issues you might encounter with the fuse holder.

Symptom	Possible Cause	Solution
Device connected to fuse holder is not receiving power.	Blown fuse.	Open the fuse holder and inspect the fuse. If the filament is broken, replace it with a new fuse of the same amperage rating.
Fuse blows immediately after replacement.	Short circuit or excessive current draw in the connected circuit.	Disconnect the device or circuit. Inspect wiring for shorts or damage. Consult an automotive electrician if the issue persists.
Fuse holder appears damaged or melted.	Overheating due to prolonged overcurrent or improper fuse rating.	Replace the entire fuse holder assembly. Ensure the correct fuse rating is used for the circuit.

7. Specifications

Technical specifications for the Aexit In-line Fuse Holder:

Attribute	Detail
Manufacturer	Aexit
Model Reference	f190413ae106618
Main Material	Plastic, Ceramic
Electrical Plug Type	Holder
Certification	ATC
Body Dimension (L x W x T)	4 x 2.5 x 1 cm (1.6" x 1" x 0.4")
Cable Length	9 cm / 8.9 cm
ASIN	B0796BKFS4
First Available Date	April 13, 2019

8. Warranty and Support

Warranty information for this product is not provided within this manual. Please refer to the seller, Aexit, or the point of purchase for details regarding warranty coverage and support.

For technical assistance, product inquiries, or to report any issues, please contact the product manufacturer or seller directly through the platform where the product was purchased.