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› ACDelco PT779 GM Original Equipment 3-Way Female Multi-Purpose Pigtail Instruction Manual

ACDelco PT779

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Model: PT779 | Brand: ACDelco

INTRODUCTION

This manual provides essential information for the proper installation, function, and maintenance of the ACDelco PT779 GM Original Equipment 3-Way Female Multi-Purpose Pigtail. This component is a GM-recommended replacement part designed to meet GM OE specifications for fit, form, and function, ensuring quality, reliability, and durability. The pigtail features protective outer coverings for long-lasting durability and color-coded wires to facilitate straightforward installation.

PRODUCT OVERVIEW



Figure 1: The ACDelco PT779 3-Way Female Multi-Purpose Pigtail. This image shows the black connector with three terminals and a red sealing gasket, designed for secure electrical connections.



Figure 2: A closer view of the ACDelco PT779 pigtail, highlighting the connector's design and wire entry point.

SETUP AND INSTALLATION

Before beginning installation, ensure the vehicle's battery is disconnected to prevent electrical shorts or damage. Verify that the PT779 pigtail is the correct size and fit for your specific vehicle application.

1. **Identify the Connection Point:** Locate the corresponding male connector or component on your vehicle that requires this 3-way female pigtail.
2. **Prepare Wires:** If replacing an existing pigtail, carefully cut and strip the wires from the old pigtail, noting the color coding. The PT779 features color-coded wires for straightforward matching.
3. **Connect Wires:** Using appropriate electrical connectors (e.g., crimp connectors, solder and heat shrink), securely attach the wires of the PT779 to the vehicle's wiring harness, matching colors precisely. Ensure all connections are robust and insulated to prevent shorts.

4. **Secure the Pigtail:** Connect the female pigtail to its mating male connector on the vehicle. Ensure it clicks into place securely.
5. **Test Functionality:** Reconnect the vehicle's battery and test the electrical system or component connected via the new pigtail to confirm proper operation.

Note: Professional installation is recommended for complex electrical systems.

OPERATING PRINCIPLES

The ACDelco PT779 pigtail serves as a critical electrical connector, facilitating the transmission of power and signals between various components within your vehicle's electrical system. Its multi-purpose design allows it to be used in diverse applications where a 3-way female connection is required.

The protective outer coverings and robust construction ensure a reliable and durable connection, safeguarding against environmental factors and vibrations commonly encountered in automotive environments.

MAINTENANCE

Proper maintenance ensures the longevity and reliable performance of your ACDelco PT779 pigtail.

- **Regular Inspection:** Periodically inspect the pigtail and its connections for any signs of wear, corrosion, cracks, or damage to the wire insulation.
- **Clean Connections:** If corrosion is observed, carefully disconnect the pigtail (after disconnecting the battery) and clean the terminals using a suitable electrical contact cleaner and a small brush. Ensure connections are dry before reassembly.
- **Dielectric Grease:** Some sockets may contain dielectric grease, which is designed to protect contacts from corrosion and keep water out. If replacing a pigtail in such an application, consider applying a small amount of dielectric grease to the new connection points.
- **Secure Fit:** Ensure the pigtail remains securely connected to its mating component. Loose connections can lead to intermittent electrical issues.

TROUBLESHOOTING

If you experience issues related to a component connected by the PT779 pigtail, consider the following troubleshooting steps:

- **Check Connections:** Verify that the pigtail is fully seated and securely connected to its mating component. A loose connection is a common cause of electrical problems.
- **Inspect Wires:** Examine the wires for any visible damage, fraying, or breaks in the insulation. Damaged wires can lead to open circuits or shorts.
- **Corrosion:** Check for corrosion on the terminals of both the pigtail and the component it connects to. Corrosion can impede electrical flow.
- **Component Malfunction:** If the pigtail and its connections appear to be in good condition, the issue may lie with the component itself or other parts of the vehicle's electrical system. For example, an illuminated ABS light could indicate a malfunctioning wire harness, but also other issues.
- **Professional Diagnosis:** For persistent or complex electrical issues, consult a qualified automotive technician for diagnosis and repair.

SPECIFICATIONS

Attribute	Value
Brand	ACDelco
Model Number	PT779
OEM Part Number	12167113
UPC	036666583465
Item Dimensions (L x W x H)	24.1 x 13.2 x 2.8 centimetres
Vehicle Service Type	Car
Product Grade	Replacement Part

WARRANTY INFORMATION

Specific warranty details for the ACDelco PT779 are not provided in this manual. Please refer to the official ACDelco website or contact your authorized dealer for comprehensive warranty information regarding GM Original Equipment parts.

SUPPORT AND CONTACT

For technical assistance, installation guidance, or further inquiries regarding the ACDelco PT779 GM Original Equipment 3-Way Female Multi-Purpose Pigtail, please visit the official ACDelco support website or contact their customer service department. Contact information can typically be found on the ACDelco official website or product packaging.

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ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question