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Delphi Packard (PED) 12162193

Delphi Packard 2-Way Female Metri-Pack 150.2 Series Housing Instruction Manual

Model: 12162193 | Brand: Delphi Packard (PED)

PRODUCT OVERVIEW

This manual provides instructions for the Delphi Packard 2-Way Female Metri-Pack 150.2 Series Pull-to-Seat Housings, Part #12162193. These housings are designed for electrical connections, featuring a unique design compared to Weather-Pack terminals. Metri-Pack terminals utilize flat pins, similar to quick disconnects, unlike the round pins found in Weather-Pack systems. It is important to note that unsealed housings are used with unsealed terminals, and sealed housings are used with sealed terminals.

Key features include:

- Part Number: **12162193**
- Type: **Metri-Pack 150.2 Series Female Housing**
- Wire Gauge Compatibility: **22-18 Gauge**
- Color: **Black**

PRODUCT IMAGE



An angled view of the black 2-way female Metri-Pack 150.2 series housing. It features a blue internal seal and a locking tab on top, with the "DELPHI" logo visible on the side.

SETUP AND INSTALLATION

Proper setup is crucial for reliable electrical connections. Follow these steps for installing terminals into the Metri-Pack 150.2 Series Female Housing:

1. **Prepare Wires:** Strip approximately 3-4mm of insulation from the end of your 22-18 gauge wires. Ensure the wire strands are clean and untwisted.
2. **Crimp Terminals:** Crimp the appropriate female Metri-Pack 150.2 series terminals (not included with housing) onto the prepared wire ends using a suitable crimping tool. Ensure a secure and proper crimp for both the conductor and insulation.
3. **Insert Terminals:** With the pull-to-seat design, insert the crimped terminals into the rear of the housing until you feel a click. This indicates the terminal is properly seated and locked into place. Gently tug on the wire to confirm it is secure.

4. **Verify Sealing (if applicable):** If using sealed terminals and housings, ensure the seals are properly compressed as the terminal is inserted.

OPERATING INSTRUCTIONS

Once terminals are correctly installed into the housing, the connector is ready for use.

- **Mating Connection:** Align the female Metri-Pack housing with its corresponding male Metri-Pack connector. Push them together firmly until the locking tab engages, securing the connection.
- **Disconnection:** To disconnect, depress the locking tab on the female housing and pull the two connectors apart. Do not pull on the wires directly.

MAINTENANCE

Metri-Pack housings are designed for durability, but periodic inspection can prolong their lifespan and ensure reliable performance.

- **Visual Inspection:** Regularly inspect the housing for any signs of physical damage, cracks, or discoloration.
- **Terminal Security:** Periodically check that the wires and terminals are still securely seated within the housing.
- **Cleanliness:** Keep the connectors free from dirt, moisture, and corrosive substances. Use a clean, dry cloth for cleaning. Avoid harsh chemicals.

TROUBLESHOOTING

If you encounter issues with your Metri-Pack connection, consider the following:

- **No Electrical Continuity:**
 - Ensure terminals are fully seated and locked into the housing.
 - Verify proper crimp of the terminal to the wire.
 - Check for corrosion or damage on the terminals.
 - Confirm the mating connector is fully engaged.
- **Loose Connection:**
 - Ensure the locking tab on the housing is fully engaged with the mating connector.
 - Inspect the housing and mating connector for any damage that might prevent a secure lock.
- **Difficulty Inserting Terminals:**
 - Ensure you are using the correct Metri-Pack 150.2 series terminals.
 - Verify the terminal is oriented correctly before insertion.
 - Check for any debris inside the housing cavities.

SPECIFICATIONS

Attribute	Detail
Part Number	12162193
Series	Metri-Pack 150.2

Type	Female Housing, 2-Way
Wire Gauge	22-18 Gauge
Color	Black
Connector Type	Quick Disconnect
Contact Material	Copper (for compatible terminals)
Insulation Material	Nylon
Terminal Type	Pin Terminal (for compatible terminals)
Manufacturer	Delphi Packard (PED)
Package Dimensions	3.6 x 2.7 x 0.4 inches
Weight	0.81 ounces

WARRANTY INFORMATION

Warranty coverage for the Delphi Packard 2-Way Female Metri-Pack 150.2 Series Housing is provided by the manufacturer, Delphi Packard (PED). Please refer to the official warranty documentation provided with your purchase or contact the manufacturer directly for specific terms, conditions, and duration of the warranty.

CUSTOMER SUPPORT

For technical assistance, product inquiries, or support regarding the Delphi Packard 2-Way Female Metri-Pack 150.2 Series Housing, please contact Delphi Packard (PED) directly. Their official website or product packaging should provide contact details for customer service.



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