

DEH-P3550MP

Pioneer DEH-P3550MP Wiring Harness Instruction Manual

1. INTRODUCTION

This document provides comprehensive instructions for the proper installation and use of the Pioneer DEH-P3550MP 16-pin wiring harness. This harness is designed as a replacement or repair component for compatible Pioneer automotive stereo systems, ensuring correct electrical connections for power, speakers, and auxiliary functions. Please read this manual thoroughly before attempting any installation.

2. SAFETY INFORMATION

- **Disconnect the Vehicle Battery:** Always disconnect the negative terminal of your vehicle's battery before beginning any electrical work to prevent short circuits and electrical shock.
- **Use Appropriate Tools:** Ensure you have the correct tools for wire stripping, crimping, and soldering.
- **Insulate All Connections:** Properly insulate all exposed wire connections using electrical tape, heat shrink tubing, or crimp caps to prevent short circuits.
- **Verify Wiring Diagrams:** Always cross-reference the wiring diagram of your specific Pioneer DEH-P3550MP unit with the harness wiring to ensure correct connections. Incorrect wiring can damage the stereo or vehicle's electrical system.
- **Professional Installation Recommended:** If you are unsure about any step, consult a qualified automotive audio technician.

3. PACKAGE CONTENTS

- 1x Pioneer DEH-P3550MP 16-Pin Wiring Harness

4. SETUP (INSTALLATION)

The following steps outline the general procedure for installing the wiring harness. Specific vehicle and stereo configurations may vary.

4.1 Pre-Installation

1. Ensure the vehicle's battery negative terminal is disconnected.
2. Carefully remove the existing car stereo from the dashboard, if applicable.
3. Identify the existing wiring connections in your vehicle.

4.2 Wiring Connection Guide

The Pioneer DEH-P3550MP harness typically features 16 pins with standard color coding. Match these wires to your vehicle's wiring or the existing stereo's wiring harness. Refer to your Pioneer DEH-P3550MP owner's manual for the exact pinout diagram.

Wire Color (Typical)	Function	Connect To (Vehicle)
Yellow	Constant 12V (Memory)	Constant 12V (Battery)
Red	Switched 12V (Accessory)	Ignition/Accessory 12V
Black	Ground	Vehicle Chassis Ground
Blue	Power Antenna / Amplifier Remote Turn-On	Power Antenna or Amplifier Remote
Orange/White	Illumination / Dimmer	Vehicle Illumination Circuit
White	Front Left Speaker (+)	Front Left Speaker (+)
White/Black	Front Left Speaker (-)	Front Left Speaker (-)
Gray	Front Right Speaker (+)	Front Right Speaker (+)
Gray/Black	Front Right Speaker (-)	Front Right Speaker (-)
Green	Rear Left Speaker (+)	Rear Left Speaker (+)
Green/Black	Rear Left Speaker (-)	Rear Left Speaker (-)
Purple	Rear Right Speaker (+)	Rear Right Speaker (+)
Purple/Black	Rear Right Speaker (-)	Rear Right Speaker (-)

Note: This table provides typical color codes. Always verify with your specific stereo's wiring diagram.

4.3 Connection Steps

1. Carefully strip a small portion of insulation from the ends of both the harness wires and the vehicle's corresponding wires.
2. Connect each wire from the new harness to its matching wire in the vehicle. You can use crimp connectors, solder connections, or twist-and-tape methods (though crimping or soldering is recommended for reliability).
3. Ensure all connections are secure and properly insulated to prevent short circuits.
4. Once all wires are connected and insulated, plug the 16-pin connector into the back of your Pioneer DEH-P3550MP stereo unit.

4.4 Post-Installation

1. Reconnect the vehicle's battery negative terminal.
2. Turn on the vehicle's ignition and test the stereo's functionality: power on/off, radio, CD/USB playback, and speaker output for all channels (left/right, front/rear).
3. If all functions work correctly, carefully reassemble the dashboard components.

5. OPERATING

The Pioneer DEH-P3550MP wiring harness is a passive electrical component. Its function is to provide the necessary electrical connections for your Pioneer DEH-P3550MP car stereo to operate correctly. Once installed, the operation of the stereo itself will follow the instructions provided in the stereo's dedicated owner's manual.

6. MAINTENANCE

The wiring harness requires minimal maintenance. Periodically, if you experience issues, you may:

- Inspect visible connections for any signs of corrosion, fraying, or loose contacts.
- Ensure the harness is securely plugged into the stereo unit.
- Avoid pulling or straining the wires excessively during stereo removal or installation.

7. TROUBLESHOOTING

If your Pioneer DEH-P3550MP stereo is not functioning correctly after installing the new harness, consider the following:

- **No Power:**
 - Check the vehicle's fuses related to the stereo.
 - Verify the Yellow (Constant 12V) and Red (Switched 12V) wires are correctly connected and receiving power.
 - Ensure the Black (Ground) wire has a solid connection to the vehicle chassis.
- **No Sound from Speakers:**
 - Check all speaker wire connections (positive and negative) for each channel.
 - Ensure no speaker wires are shorting to each other or to ground.
 - Verify the Blue (Remote Turn-On) wire is connected if using an external amplifier.
- **Incorrect Functionality (e.g., no memory, lights not working):**
 - Double-check the Yellow (Constant 12V) and Red (Switched 12V) connections; sometimes they are swapped.
 - Verify the Orange/White (Illumination) wire connection.
- **Harness Not Fitting:** Ensure you have the correct 16-pin harness specifically designed for the Pioneer DEH-P3550MP model.

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

8. SPECIFICATIONS

- **Product Type:** Automotive Stereo Wiring Harness
- **Compatibility:** Pioneer DEH-P3550MP (and potentially other compatible Pioneer models with a 16-pin connector)
- **Connector Type:** 16-Pin ISO-style connector
- **Wire Gauge:** Standard automotive wire gauge (typically 18-22 AWG)

- **Functions:** Power (Constant, Switched, Ground), Speaker Outputs (4 channels), Remote Turn-On, Illumination

9. WARRANTY AND SUPPORT

For warranty information and technical support regarding this wiring harness, please refer to the documentation provided by your retailer or contact the manufacturer directly. Keep your proof of purchase for any warranty claims.