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StreamUSA AVH-120BT

StreamUSA Replacement Wiring Harness for PIONEER AVH-120BT Car Stereo

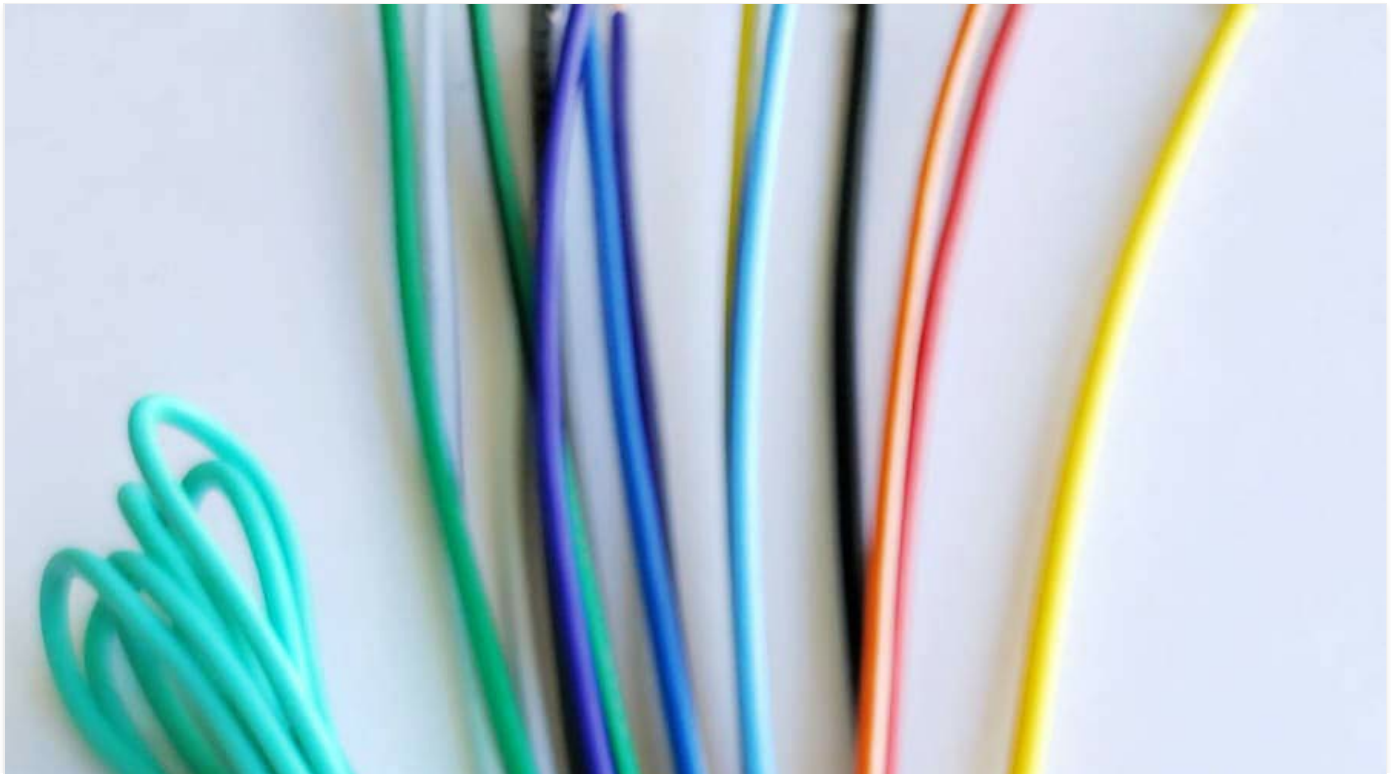
Model: AVH-120BT

1. Introduction

This manual provides essential information for the proper installation and use of your StreamUSA replacement wiring harness, designed specifically for the PIONEER AVH-120BT car stereo player. This harness facilitates the connection of your PIONEER AVH-120BT unit to your vehicle's electrical system, ensuring correct power, speaker, and accessory functions. Please read these instructions carefully before proceeding with installation.

2. Product Overview

The StreamUSA wiring harness is a direct replacement component, featuring a multi-pin connector designed to interface with the PIONEER AVH-120BT car stereo. It includes color-coded wires for various functions such as power, ground, accessory, and speaker outputs, simplifying the connection process to your vehicle's existing wiring.



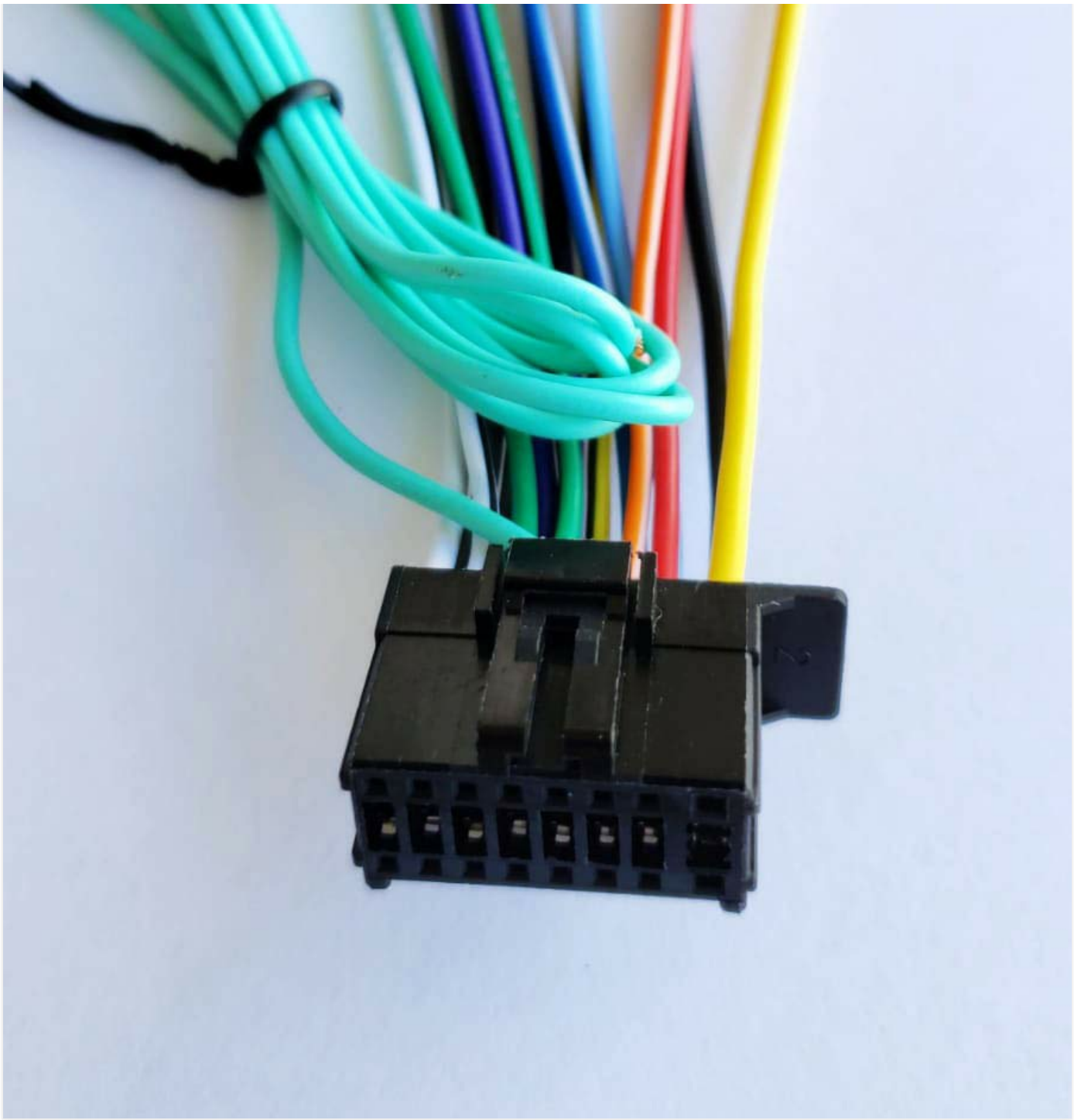


Figure 2.1: Close-up view of the multi-pin connector and the initial segment of the color-coded wires.

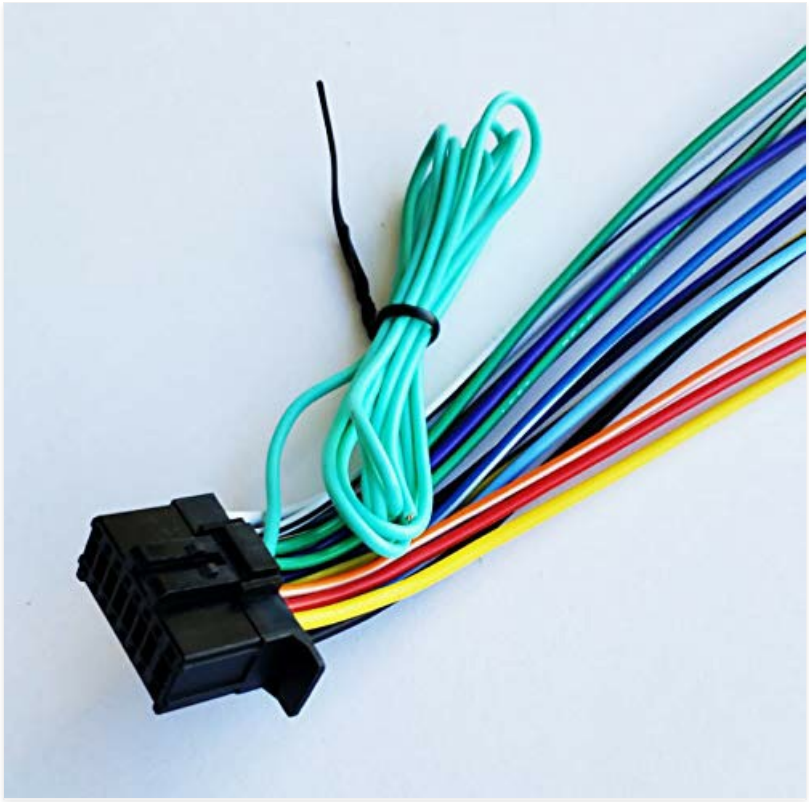


Figure 2.2: A broader perspective of the wiring harness, illustrating the arrangement of the individual wires.

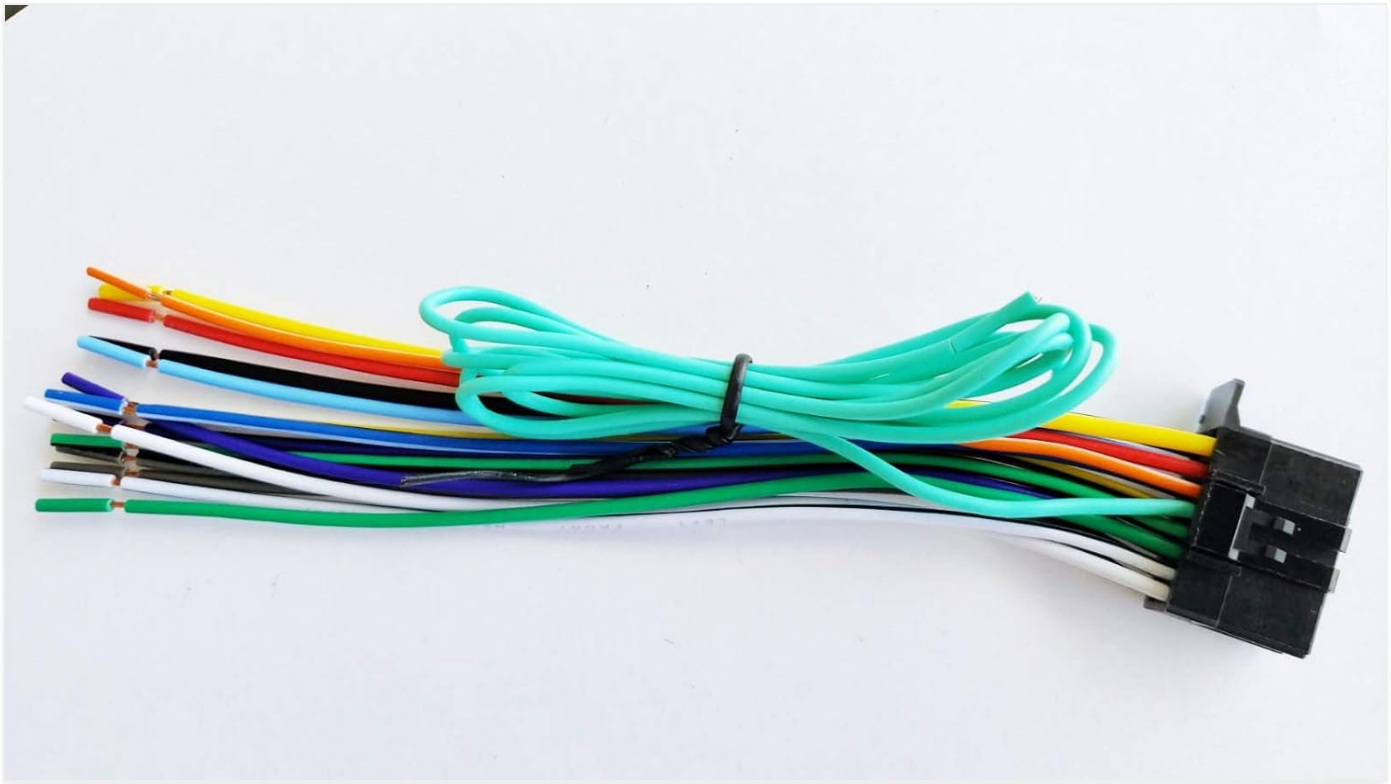


Figure 2.3: The complete wiring harness, showcasing the full length of the bundled wires and the connector.

3. Setup and Installation

Installation of a car stereo wiring harness requires careful attention to detail. If you are not comfortable with automotive electrical work, it is recommended to seek professional installation.

3.1 Safety Precautions

- Always disconnect the vehicle's negative battery terminal before beginning any electrical work to prevent short

circuits and electrical damage.

- Ensure the vehicle is turned off and the parking brake is engaged.
- Wear appropriate safety gear, including eye protection.

3.2 Required Tools (Not Included)

- Wire strippers/cutters
- Crimping tool or soldering iron with solder
- Electrical tape or heat shrink tubing
- Multimeter (optional, for testing connections)

3.3 Installation Steps

1. **Obtain Wiring Diagram:** This harness does not include a wiring diagram. It is crucial to obtain the specific wiring diagram for your PIONEER AVH-120BT stereo and your vehicle. These diagrams are typically available in your stereo's user manual, vehicle service manual, or online resources.
2. **Identify Wires:** Carefully identify the function of each color-coded wire on both the StreamUSA harness and your vehicle's wiring harness (or the stereo's wiring harness if it's a new installation). Common wire functions include:
    - Yellow: Constant 12V (Battery)
    - Red: Switched 12V (Accessory)
    - Black: Ground
    - Orange/White: Illumination
    - Blue: Power Antenna/Remote Turn-On
    - Speaker Wires (e.g., White/White-Black for Front Left, Gray/Gray-Black for Front Right, Green/Green-Black for Rear Left, Purple/Purple-Black for Rear Right)
3. **Match and Connect Wires:** Match the corresponding wires from the StreamUSA harness to your vehicle's wiring. Ensure that each connection is secure and insulated. Recommended methods include soldering and heat shrinking, or using high-quality crimp connectors.
4. **Connect to Stereo:** Once all connections between the StreamUSA harness and your vehicle's wiring are complete, plug the multi-pin connector of the StreamUSA harness into the corresponding port on the back of your PIONEER AVH-120BT car stereo.
5. **Test Functionality:** Before fully reassembling your dashboard, reconnect the vehicle's negative battery terminal. Turn on the vehicle and test the stereo's functions: power on/off, radio, audio from all speakers, and any other connected features.
6. **Secure and Reassemble:** If all functions are working correctly, carefully route and secure the wiring to prevent pinching or damage. Reassemble your dashboard components.

4. Operating

The StreamUSA wiring harness is a passive component that enables the PIONEER AVH-120BT car stereo to receive power and transmit audio signals to your vehicle's speakers. Once correctly installed, the operation of the stereo itself will follow the instructions provided in the PIONEER AVH-120BT owner's manual. The harness does not have any user-operable controls.

5. Maintenance

The wiring harness requires minimal maintenance. Periodically, if you access the stereo's wiring, inspect the connections for any signs of corrosion, looseness, or damage to the wire insulation. Ensure all connections remain secure to prevent intermittent issues or electrical problems.

6. Troubleshooting

If you experience issues after installing the wiring harness, consider the following troubleshooting steps:

- **No Power to Stereo:**
  - Check the vehicle's fuse box for blown fuses related to the stereo or accessory power.
  - Verify that 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's chassis.
- **No Sound from Speakers:**
  - Confirm that all speaker wires are correctly matched and securely connected (positive to positive, negative to negative).
  - Check the stereo's settings to ensure volume is up and balance/fader are correctly adjusted.
  - Verify that the stereo's amplifier remote turn-on wire (if applicable) is connected.
- **Intermittent Power or Sound:**
  - Inspect all wire connections for looseness or poor insulation.
  - Ensure the multi-pin connector is fully seated into the stereo.
- **Incorrect Functionality (e.g., stereo stays on, loses memory):**
  - This often indicates incorrect connection of the yellow (constant) and red (switched) power wires. Double-check your wiring diagram and connections.

If problems persist, it is advisable to consult a professional car audio installer or refer to the PIONEER AVH-120BT stereo's specific troubleshooting guide.

7. Specifications

Product Name	StreamUSA Replacement Wiring Harness
Compatibility	PIONEER AVH-120BT Car Stereo Player
Material	Copper, Polyvinyl Chloride (PVC)
Connector Type	Vehicle-specific multi-pin connector
Manufacturer	StreamUSA

8. Warranty and Support

8.1 Warranty Information

This StreamUSA wiring harness is covered by a **60-day warranty** from the date of purchase. This warranty covers manufacturing defects. It does not cover damage resulting from improper installation, misuse, accidents, or unauthorized modifications.

8.2 Customer Support

For technical assistance or warranty claims, please contact StreamUSA customer support through the retailer where the product was purchased or visit the official StreamUSA website for contact information.

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