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American International HWH1106

American International HWH1106 Wire Harness Installation Manual

MODEL: HWH1106

Brand: American International

Introduction

This manual provides detailed instructions for the installation and proper use of the American International HWH1106 Wire Harness. This product is designed to integrate an aftermarket stereo system into specific Hyundai and Kia vehicles without cutting the factory wiring, ensuring a clean and reversible installation.

Product Overview

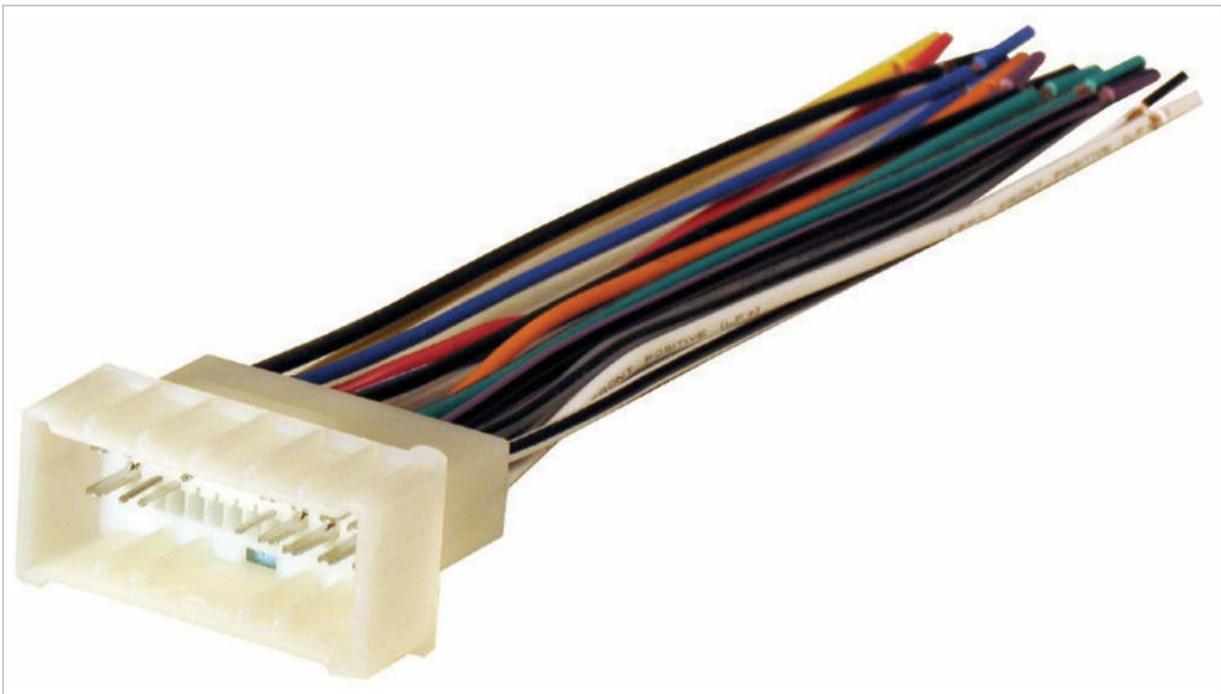


Figure 1: The American International HWH1106 Wire Harness. This image displays the multi-pin connector on one end and the individual color-coded wires on the other, designed for connecting an aftermarket car stereo to the vehicle's factory wiring system.

The HWH1106 wire harness features a vehicle-specific connector that plugs directly into the factory radio harness. The other end consists of color-coded wires that correspond to the standard aftermarket stereo wiring scheme, simplifying the connection process.

Setup and Installation

Before beginning installation, ensure the vehicle's battery is disconnected to prevent electrical shorts or damage. Consult your vehicle's service manual for specific instructions on removing the factory radio.

1. **Identify Vehicle Compatibility:** Verify that your Hyundai (2006-2015) or Kia (2005-2010) model is compatible with the HWH1106 harness.
2. **Prepare Aftermarket Stereo:** Refer to your aftermarket stereo's wiring diagram. Match the functions of the stereo's wires to the corresponding color-coded wires on the HWH1106 harness.
3. **Connect Wires:** Carefully strip a small portion of insulation from the ends of the wires on both the aftermarket stereo and the HWH1106 harness. Use appropriate connectors (e.g., crimp caps, solder and heat shrink) to securely join the matching wires. Ensure all connections are insulated to prevent short circuits.
4. **Connect to Vehicle:** Once all connections between the stereo and the harness are made, plug the vehicle-specific connector of the HWH1106 harness into the factory radio wiring harness in your vehicle's dashboard.
5. **Test Functionality:** Reconnect the vehicle's battery. Turn on the ignition and test the aftermarket stereo's functions (power, audio output, balance, fade, etc.) before fully reassembling the dashboard.
6. **Secure Wiring:** Route and secure all wiring to prevent pinching or interference with moving parts. Reinstall the aftermarket stereo and dashboard components.

Operating Principles

The HWH1106 wire harness acts as an adapter, translating the vehicle's factory wiring signals to the standard connections required by an aftermarket car stereo. Once installed, it allows the aftermarket stereo to receive power, ground, and speaker signals directly from the vehicle's existing wiring system without modification to the factory harness. This preserves the integrity of the vehicle's original electrical system.

Maintenance

The HWH1106 wire harness requires minimal maintenance. Periodically inspect the connections for any signs of corrosion, looseness, or damage, especially if you experience intermittent audio issues. Ensure all wires remain securely connected and insulated. Avoid exposing the harness to excessive moisture or extreme temperatures.

Troubleshooting

- **No Power to Stereo:**
 - Check the vehicle's fuse box for blown fuses related to the radio or accessory power.
 - Verify that the constant 12V (yellow wire) and accessory 12V (red wire) connections from the harness to the stereo are secure and receiving power.
 - Ensure the ground wire (black wire) is properly connected to a bare metal chassis point.
- **No Sound from Speakers:**

- Confirm all speaker wires (e.g., white/white-black, gray/gray-black, green/green-black, purple/purple-black) are correctly matched and securely connected between the harness and the stereo.
 - Check the stereo's settings for mute or balance/fade adjustments.
 - Ensure the amplifier remote turn-on wire (blue wire, if applicable) is connected if an external amplifier is used.
- **Intermittent Operation:**
 - Inspect all wire connections for looseness or poor contact. Re-crimp or re-solder as necessary.
 - Check for any pinched or damaged wires within the dashboard.

Specifications

Feature	Detail
Brand	American International
Model Number	HWH1106
Material	Copper, PVC/Polyethylene
Item Dimensions (L x W x H)	12 x 4.5 x 1 inches
Item Weight	1.09 ounces
Connector Type	Automotive Connector
Recommended Uses	Automotive, Vehicle Wiring Harness
UPC	012339811066
Compatibility (Hyundai)	2006-2015 models
Compatibility (Kia)	2005-2010 models

Warranty Information

For specific warranty terms and conditions, please refer to the documentation provided with your purchase or contact American International directly. Warranty coverage typically addresses manufacturing defects and does not cover damage resulting from improper installation or misuse.

Customer Support

If you encounter issues not covered in this manual or require further assistance, please contact American International customer support. Contact details can typically be found on the manufacturer's official website or product packaging.

Important Safety Information

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

Always exercise caution when working with vehicle electrical systems. Disconnect the battery before installation. If you are unsure about any step, seek professional assistance.