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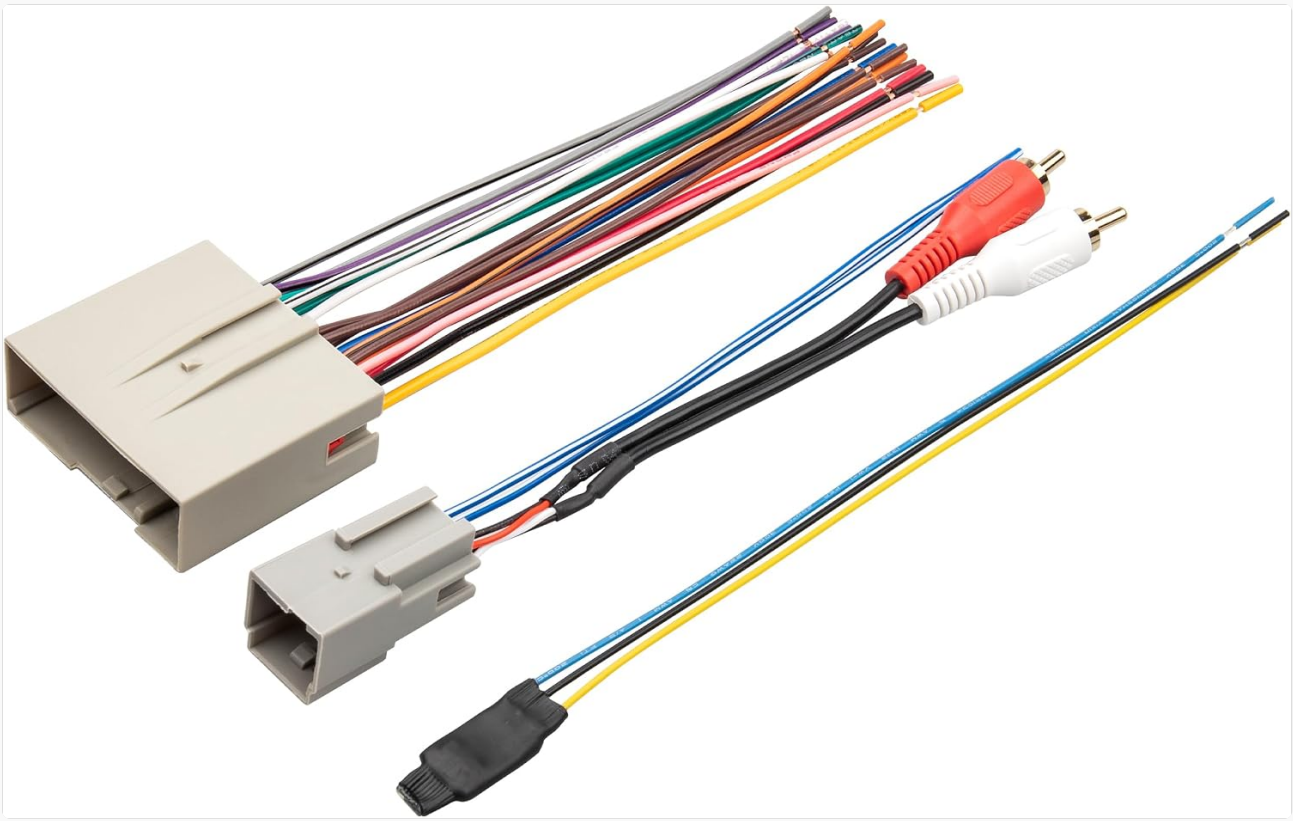
RED WOLF DDC-12105+XC-FU-201

RED WOLF Radio Stereo Wiring Harness with 12V to 5V Step Down Adapter

Model: DDC-12105+XC-FU-201

1. Introduction

This instruction manual provides detailed information for the installation and use of the RED WOLF Radio Stereo Wiring Harness with a 12 Volt to 5 Volt Step Down Adapter. This product is designed to facilitate the installation of an aftermarket head unit in select Ford, Lincoln, and Mercury vehicles, enabling the continued use of the factory amplifier and door speakers while addressing common audio issues like 'pop noise'.



An overview of the RED WOLF radio stereo wiring harness, including the main connector, the smaller connector, RCA cables, and the 12V to 5V step-down adapter.

2. Compatibility

This wiring harness is compatible with the following vehicle models:

- **Ford Stereo (without Sync):** Escape 2006-2007, Crown Victoria 2003-2010, Expedition 2007-2014, Explorer 2006-2010, Explorer Sport Trac 2007-2010, F150 2004-2009, Taurus X 2008-2009, Edge 2007-2010, Mustang 2004-2009.
- **Lincoln:** MKX (with OEM NAV) 2007-2010, Navigator (with OEM NAV) 2007-2014.
- **Mercury:** Mariner 2008-2011, Mountaineer 2006-2010, Sable 2008-2009.
- **Hyundai:** Sonata 2006-2008.

Note: Always verify your vehicle's specific wiring configuration before installation.

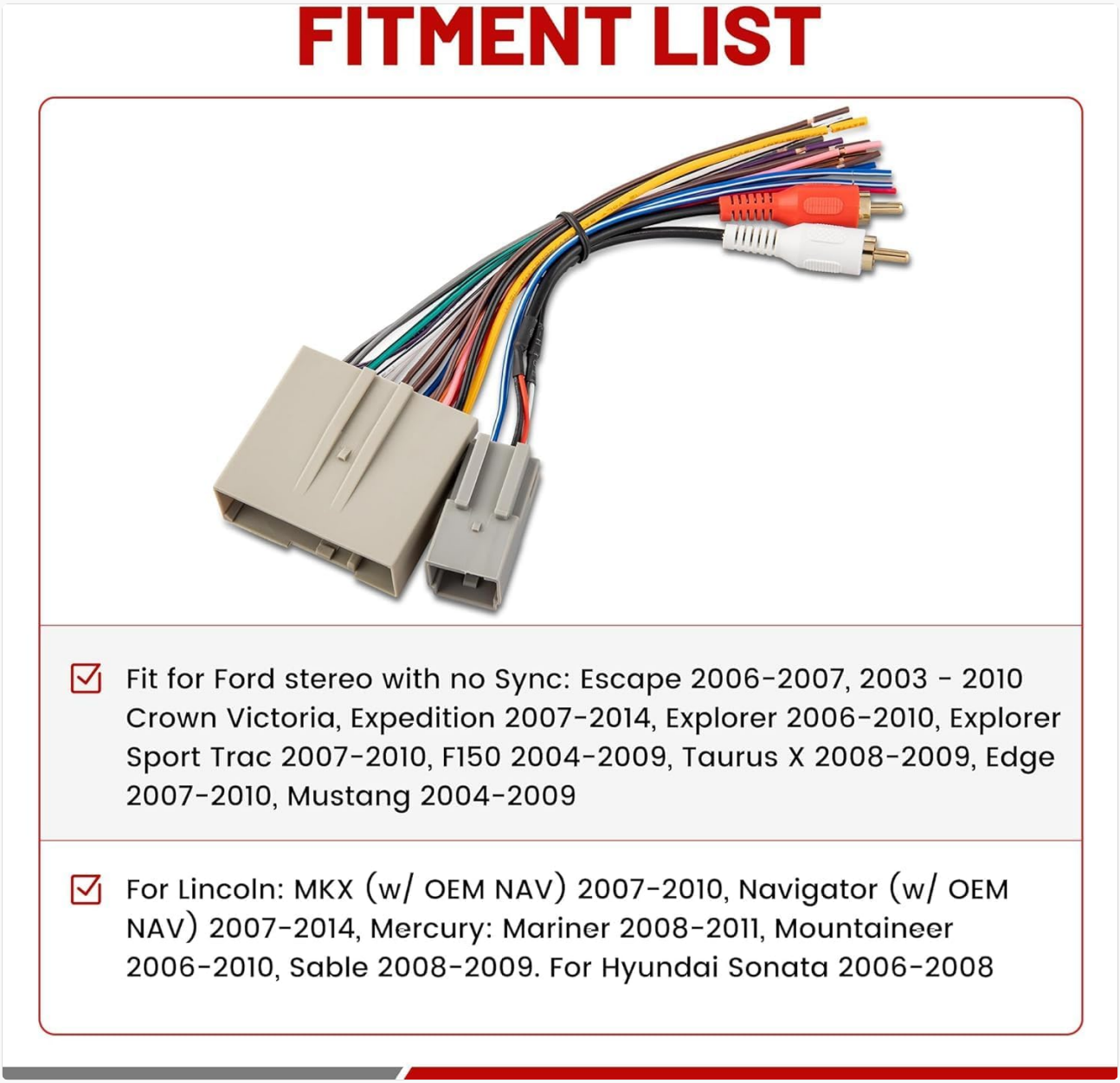


Image displaying the compatibility list for the wiring harness, detailing specific Ford, Lincoln, Mercury, and Hyundai models and years.

3. Features

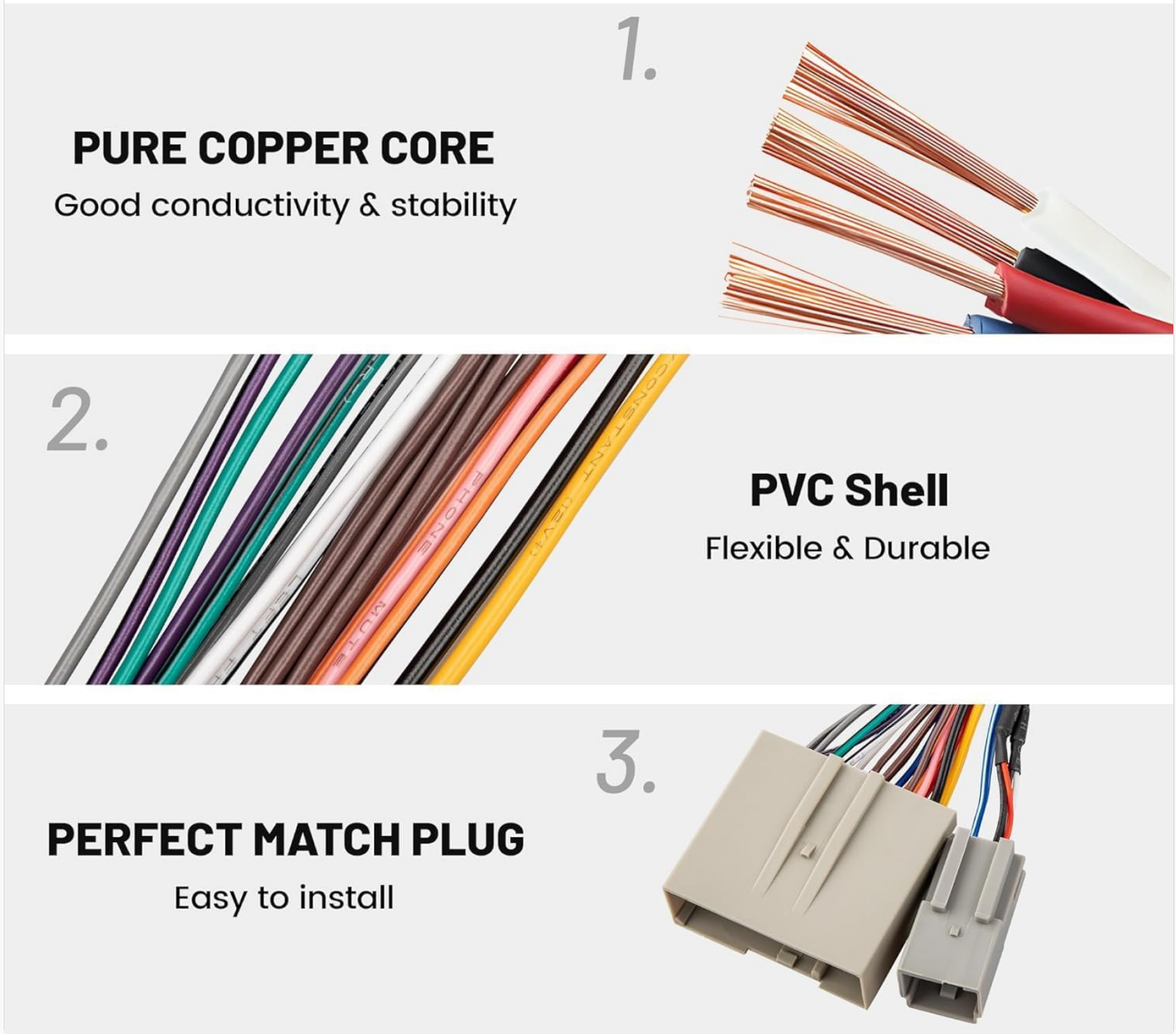
- **Direct Plug-and-Play:** Designed for direct connection without cutting or splicing OEM wires.

- **12V to 5V Step Down Adapter:** Integrated adapter to eliminate 'pop noise' when installing an aftermarket head unit in vehicles with factory amplifiers.
- **High Conductivity:** Constructed with pure copper core wires for optimal signal transfer and stability.
- **Durable Construction:** Features a flexible and durable PVC shell for protection.
- **Pre-Stripped Wires:** Wires are pre-stripped for ease of installation.

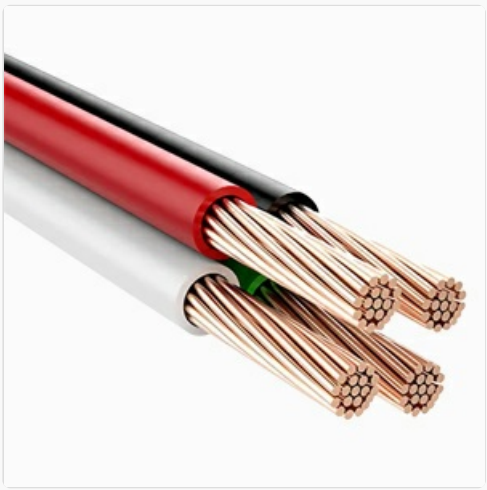


Graphic detailing key features: no OEM wire cutting, excellent conductivity, and pre-stripped wires for easy installation.

PRODUCT DETAILS



Detailed view of the wiring harness components, emphasizing pure copper core for conductivity, a flexible PVC shell, and a perfect match plug design.



A close-up image of multi-strand copper wires, illustrating the pure copper core material used in the harness for optimal conductivity.

4. Setup and Installation

1. **Preparation:** Ensure the vehicle's battery is disconnected before beginning any electrical work. Remove the factory radio from the dashboard.
2. **Wire Matching:** Take the wiring harness from your new aftermarket stereo and carefully match the wire colors to the RED WOLF harness. Connect corresponding wires using appropriate connectors (crimp caps, solder, etc.). Refer to the wiring diagram provided with your aftermarket stereo and the RED WOLF harness for accurate connections.
3. **Connect Harness:** Plug the RED WOLF harness directly into the vehicle's factory radio connector.
4. **Ignition Wire:** In some vehicles, the red ignition wire power supply from the new radio may need to be run separately from the vehicle's radio harness. This is a common requirement to ensure proper power delivery to the aftermarket unit.
5. **Test Connections:** Before fully reassembling the dashboard, reconnect the vehicle battery and test the aftermarket radio's functionality, including power, audio output, and any other features.
6. **Secure Installation:** Once functionality is confirmed, carefully route and secure all wiring to prevent pinching or damage. Reinstall the aftermarket radio and dashboard components.



Diagram showing how the radio harness connects to an aftermarket stereo, with images of the harness connectors and an installed aftermarket head unit.



A line drawing illustrating the connection of the car radio harness to an aftermarket stereo receiver, showing wires matched to their functions.

5. Operating

Once correctly installed, the RED WOLF wiring harness functions as an intermediary between your vehicle's factory wiring and your aftermarket stereo. It ensures that power, ground, and speaker signals are properly routed, allowing your aftermarket head unit to operate as intended within your vehicle's audio system. The integrated 12V to 5V step-down adapter specifically manages the voltage for the factory amplifier, preventing unwanted audio artifacts.

6. Maintenance

The RED WOLF wiring harness is designed for long-term reliability and typically requires minimal maintenance. It is recommended to:

- Periodically check connections for tightness and corrosion, especially if experiencing intermittent audio issues.
- Ensure all wiring is securely routed and not exposed to excessive heat, moisture, or physical abrasion.

7. Troubleshooting

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