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RED WOLF GM-001

RED WOLF Stereo Wiring Harness GM-001 Instruction Manual

Model: GM-001

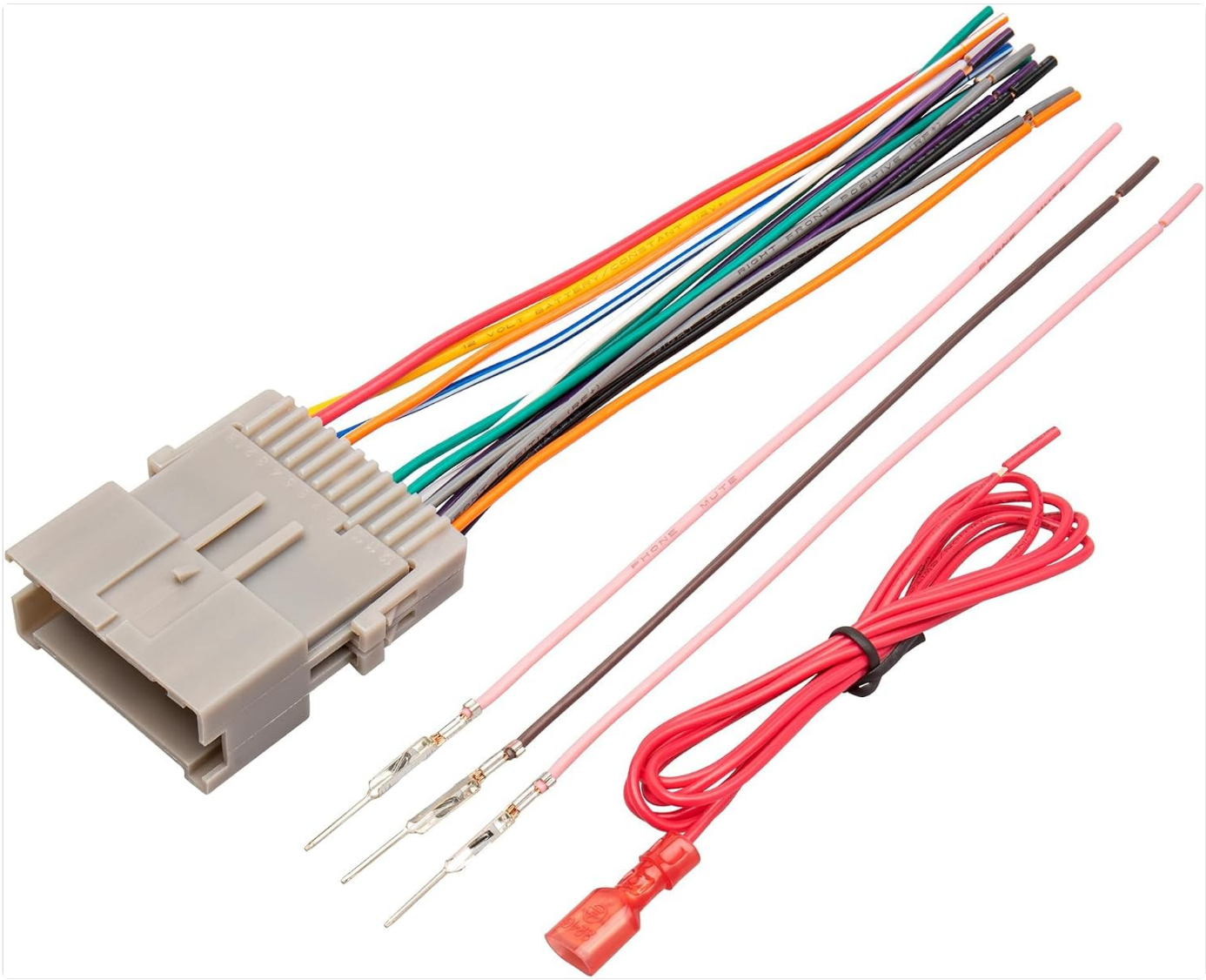

Figure 1: Overview of the RED WOLF Stereo Wiring Harness GM-001.

Introduction

This manual provides detailed instructions for the installation and use of the RED WOLF Stereo Wiring Harness, model GM-001. This harness is designed to facilitate the installation of an aftermarket stereo radio in compatible vehicles

without modifying the factory wiring. Adherence to these instructions will ensure proper functionality and a secure connection.

Vehicle Compatibility

The RED WOLF GM-001 Stereo Wiring Harness is compatible with various GMC and Chevrolet models. Please verify your vehicle's make, model, and year against the list below to ensure proper fitment.

GMC Models:

- **Sierra:** 2003-2007
- **Canyon:** 2004-2012
- **Envoy:** 2002-2009
- **Savana Full Size Van:** 2003-2007
- **Yukon / Yukon XL:** 2003-2006

Chevrolet Models:

- **Avalanche:** 2003-2006
- **Cavalier:** 2000-2005
- **Colorado:** 2004-2012
- **Express Van:** 2001-2002
- **Impala:** 2000-2005
- **Malibu:** 2000-2003 (Classic Models ONLY for 2004-2005)
- **Monte Carlo:** 2000-2005
- **Silverado:** 2003-2006 (Classic Models ONLY for 2007)
- **SSR:** 2003-2006
- **Suburban:** 2003-2006
- **Tahoe:** 2003-2006 (Non-Bose systems only)
- **Trailblazer:** 2002-2009
- **Uplander:** 2005-2008
- **Venture Van:** 2000-2005
- **Blazer:** 2002-2005
- **Corvette:** 2005-2009

Important Note:
This harness is **NOT COMPATIBLE** with amplified sound systems such as BOSE, INFINITY, or similar premium audio systems. Attempting to use this harness with such systems may result in improper function or damage.

Product Features

The RED WOLF GM-001 Stereo Wiring Harness offers several key features designed for reliable aftermarket stereo installation:

- **Direct Connection:** Designed for installation without cutting or modifying the vehicle's original equipment manufacturer (OEM) wire harness.
- **High-Quality Materials:** Constructed with a professional pure copper core for excellent electrical conductivity and stable performance.
- **Durable Construction:** Features a PVC shell that provides resistance to compression and abrasion, ensuring

longevity.

- **Easy Installation:** Engineered for a perfect match and straightforward plug-and-play installation in compatible vehicles.

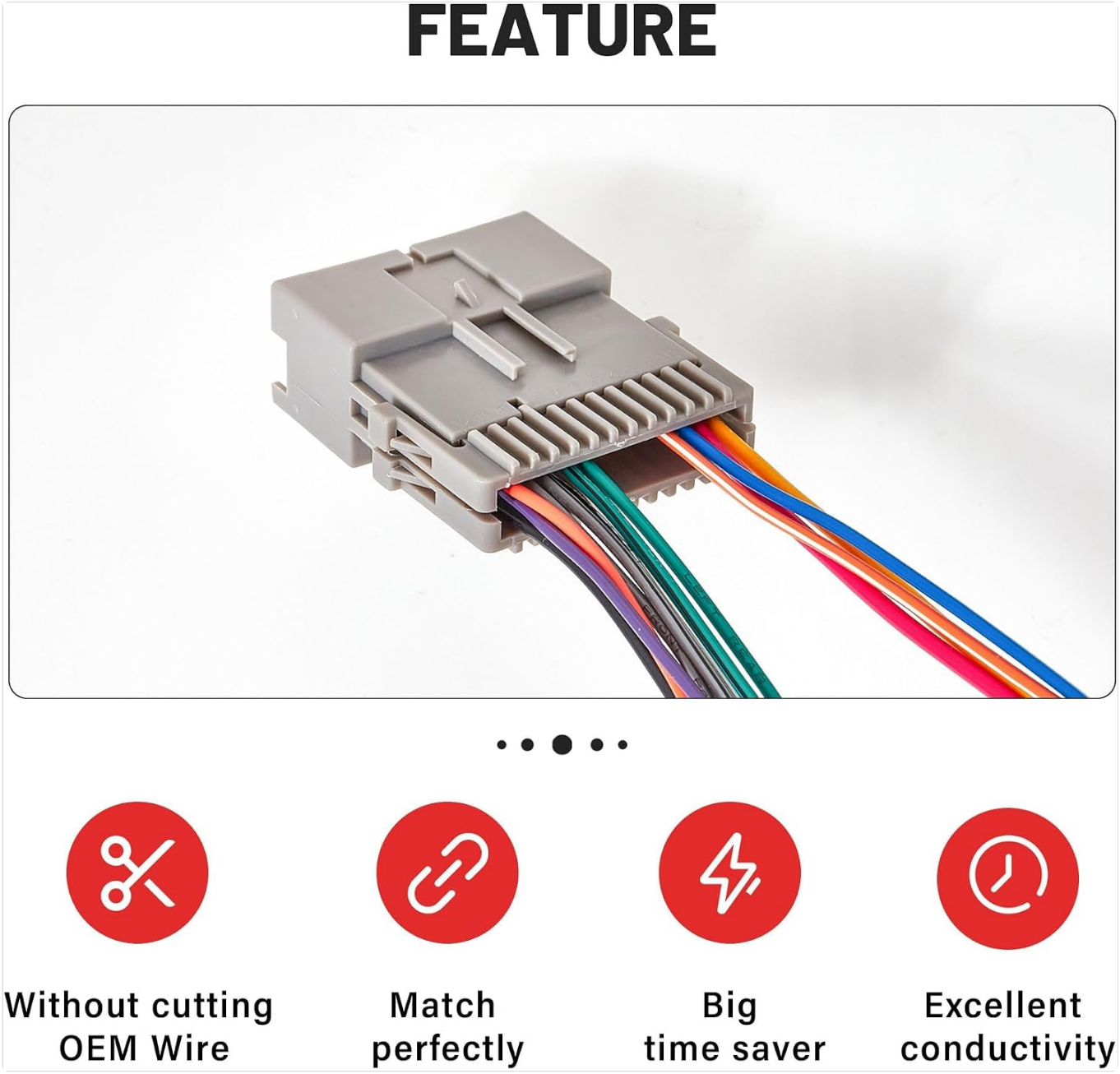

Figure 2: Key features of the RED WOLF Stereo Wiring Harness.



Figure 3: Product details highlighting the pure copper core, PVC shell, and perfect match plug design.

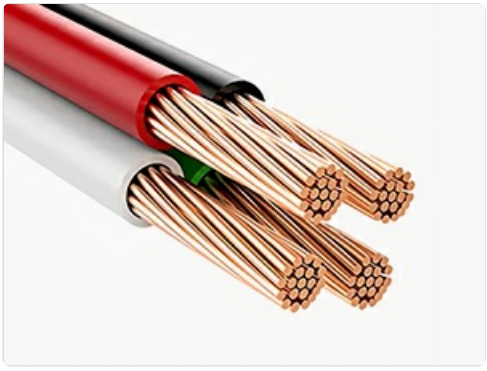

Figure 4: Detailed view of the pure copper core wires.

Installation Guide

Follow these steps to install your RED WOLF Stereo Wiring Harness GM-001. Professional installation is

recommended if you are unfamiliar with car audio wiring.

1. **Disconnect Battery:** Before beginning any electrical work, disconnect the vehicle's negative battery terminal to prevent electrical shorts or damage.
2. **Remove Factory Radio:** Carefully remove the existing factory radio from the dashboard. Refer to your vehicle's service manual for specific instructions on dash disassembly.
3. **Identify Factory Harness:** Locate the factory wiring harness that was connected to the back of your OEM radio.
4. **Connect Aftermarket Stereo Wires:** Match the wires from your new aftermarket stereo's harness to the corresponding wires on the RED WOLF GM-001 harness. Typically, wire colors are standardized (e.g., yellow for constant power, black for ground, red for accessory power, speaker wires). Secure connections using crimp connectors, solder, or heat shrink tubing for a reliable and safe connection.
5. **Connect RED WOLF Harness to Vehicle:** Plug the gray connector of the RED WOLF GM-001 harness into the factory radio harness in your vehicle. Ensure it clicks securely into place.
6. **Address 12 Volt Power Red Wire (Accessory Power):** This is a critical step. Many compatible vehicles do not provide an ignition (accessory) wire through the OEM radio harness. Without this, your aftermarket stereo will not turn on and off with the vehicle's ignition.
    - To resolve this, you must run the separate red wire provided with the harness to a reliable 12-volt switched power source in your vehicle. This source should provide 12V only when the ignition is on or in the accessory position.
    - Common locations for a 12V switched power source include the fuse box (using an add-a-circuit fuse tap) or an accessory wire from the vehicle's climate control panel.
    - Use a multimeter to identify a suitable 12V switched power source. Test wires for 12V when the ignition is on and 0V when the ignition is off.
    - Connect the red wire from the RED WOLF harness to this identified 12V switched power source.
7. **Test Connections:** Before fully reassembling the dash, reconnect the vehicle's negative battery terminal. Turn on the ignition and test the aftermarket stereo's functionality (power on/off, audio, balance, fade).
8. **Secure Wiring and Reassemble:** Once all functions are verified, neatly secure all wiring to prevent rattles or interference. Reassemble the dashboard components in reverse order of removal.



Figure 5: Illustration of the RED WOLF radio wiring connector plug and its connection point.

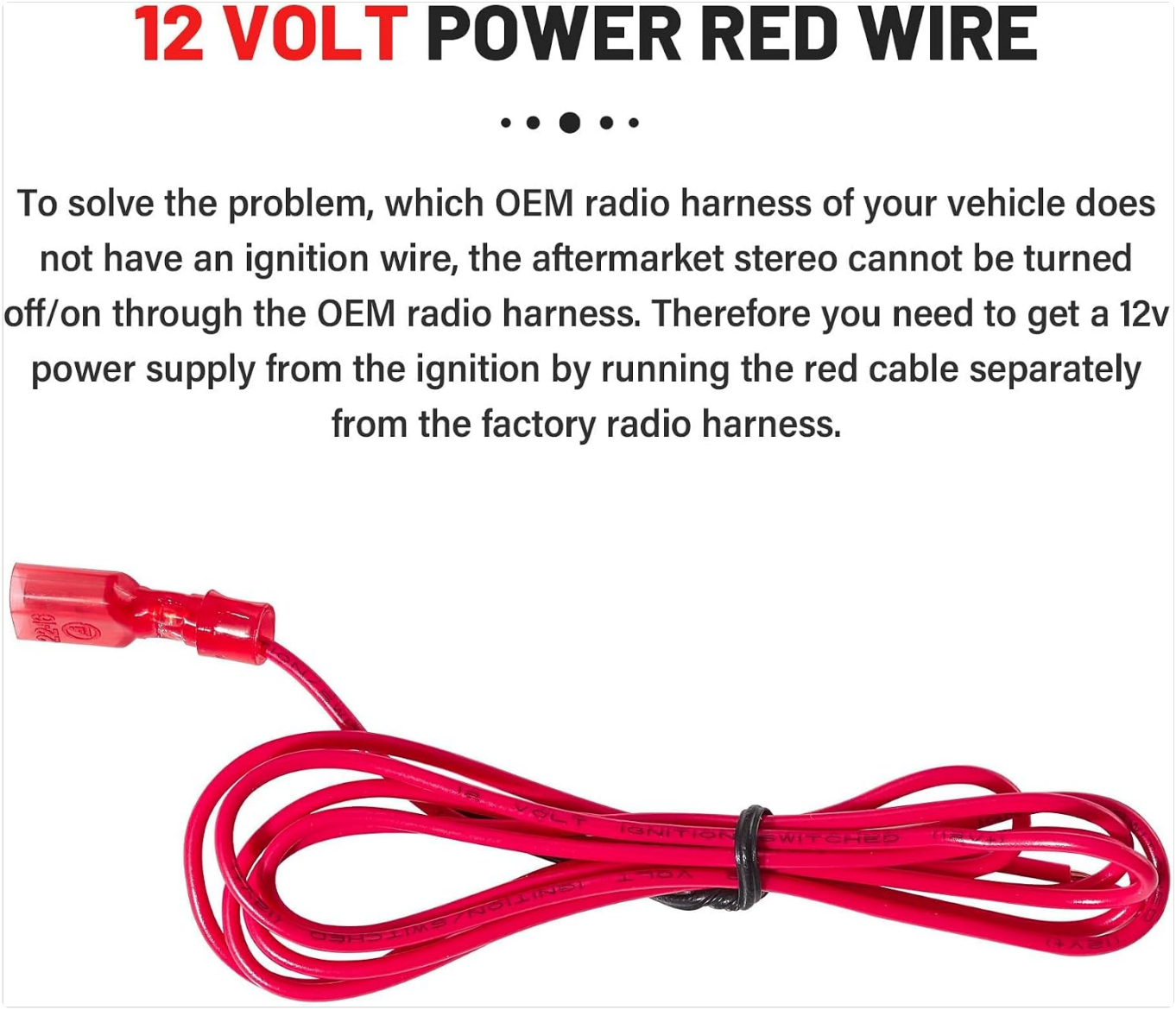

Figure 6: Explanation of the 12 Volt Power Red Wire requirement for proper accessory power.

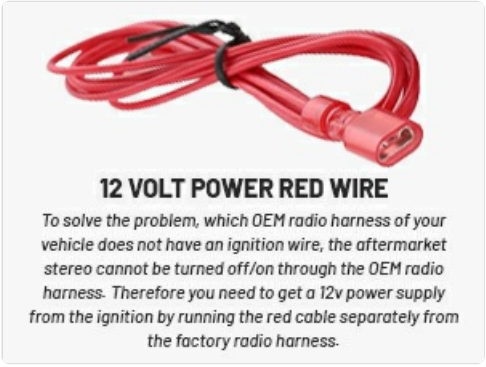

Figure 7: The separate red 12-volt power wire.



Figure 8: Visual representation of the harness in a vehicle context and its connectors.



Figure 9: Diagram of the car radio harness connection to an aftermarket stereo receiver.

Technical Specifications

Attribute	Detail
Brand	RED WOLF
Model Number	GM-001
Material	Copper (Core)
Connector Type	Automotive Stereo Connector
Item Weight	1.76 Ounces
Package Dimensions	9.29 x 3.58 x 1.14 inches

Troubleshooting

If you encounter issues during or after installation, consider the following common problems and solutions:

- **Stereo Does Not Turn On/Off with Ignition:**
  - **Cause:** The vehicle's OEM radio harness lacks a dedicated 12V accessory (switched) power wire.
  - **Solution:** Ensure the separate red wire from the RED WOLF harness is correctly connected to a 12V switched power source in the vehicle (e.g., fuse box with an add-a-circuit, or an accessory wire from the climate control). Use a multimeter to confirm the power source provides 12V only when the ignition is on.
- **No Sound or Incorrect Speaker Output:**
  - **Cause:** Incorrect speaker wire connections or incompatibility with amplified systems.
  - **Solution:** Double-check all speaker wire connections between the aftermarket stereo and the RED WOLF harness for correct polarity and assignment. Confirm your vehicle does not have an amplified system (like Bose or Infinity) as this harness is not compatible.
- **Harness Does Not Fit Factory Plug:**
  - **Cause:** Incorrect harness model for your specific vehicle or year, or minor variations in factory wiring.
  - **Solution:** Re-verify the compatibility list against your exact vehicle make, model, and year. Some vehicles may have slight variations requiring minor pin adjustments or a different harness.
- **Intermittent Power or Functionality:**
  - **Cause:** Loose or poor electrical connections.
  - **Solution:** Inspect all wire connections for tightness and proper insulation. Ensure crimps are secure and soldered joints are clean.

Support and Contact Information

For further assistance or technical support regarding your RED WOLF Stereo Wiring Harness GM-001, please refer to the manufacturer's official website or contact their customer service department.
Manufacturer: RED WOLF
Website: RED WOLF Store on Amazon

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