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RED WOLF RWF-XCDG00-1561

RED WOLF Amplifier Bypass Wiring Harness Instruction Manual

Model: RWF-XCDG00-1561

1. Introduction

This manual provides instructions for the installation and use of the RED WOLF Amplifier Bypass Wiring Harness. This harness is designed to facilitate the installation of an aftermarket radio or stereo system in specific Dodge Ram vehicles by bypassing the factory amplifier. This eliminates the need to run new speaker wires from the new radio to the vehicle's speakers, simplifying the installation process.

2. Compatibility

The RED WOLF Amplifier Bypass Wiring Harness is compatible with the following vehicles:

- Dodge Ram 2002-2004 models equipped with a factory Infinity sound system and the hands-free capable option.

Important Note: This amplifier bypass wiring harness **ONLY** for the 2004 Dodge SRT10 trim package **without** the hands-free capable option.

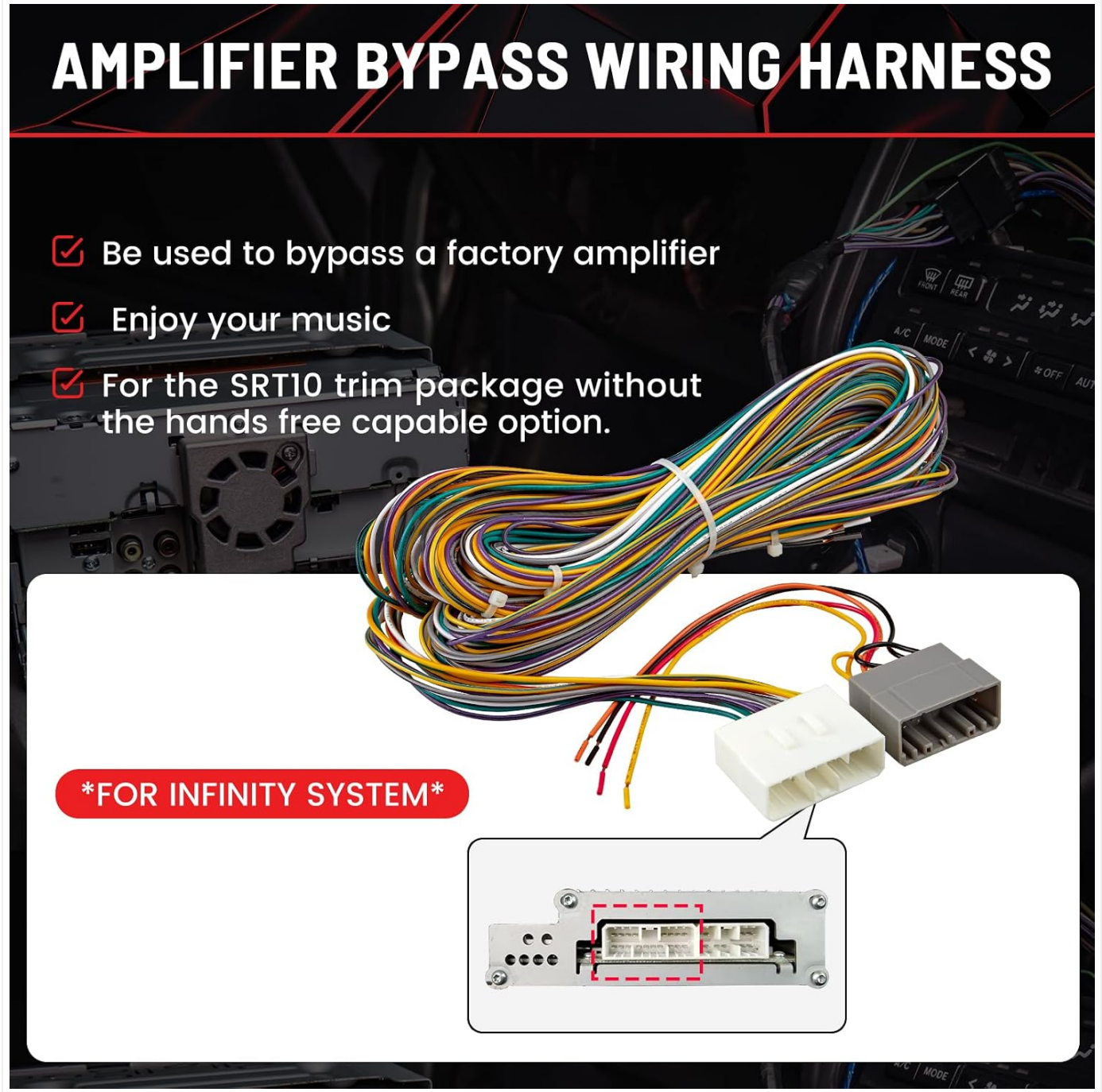


Image: Visual representation of the harness and its compatibility details, highlighting the specific Dodge Ram models and Infinity sound system requirement.

3. Product Features

- **Factory Amplifier Bypass:** Designed to bypass the vehicle's factory amplifier, allowing direct connection of an aftermarket radio to the existing speaker wiring.
- **Time-Saving Installation:** Eliminates the need to run new speaker wires, significantly reducing installation time.
- **Premium Quality Construction:** Made with a high-grade copper core for excellent conductivity and durability.
- **Durable Insulation:** Features a thick and sturdy PVC jacket for long service life and protection.
- **Plug-and-Play Design:** Connects without cutting any OEM wiring harnesses.

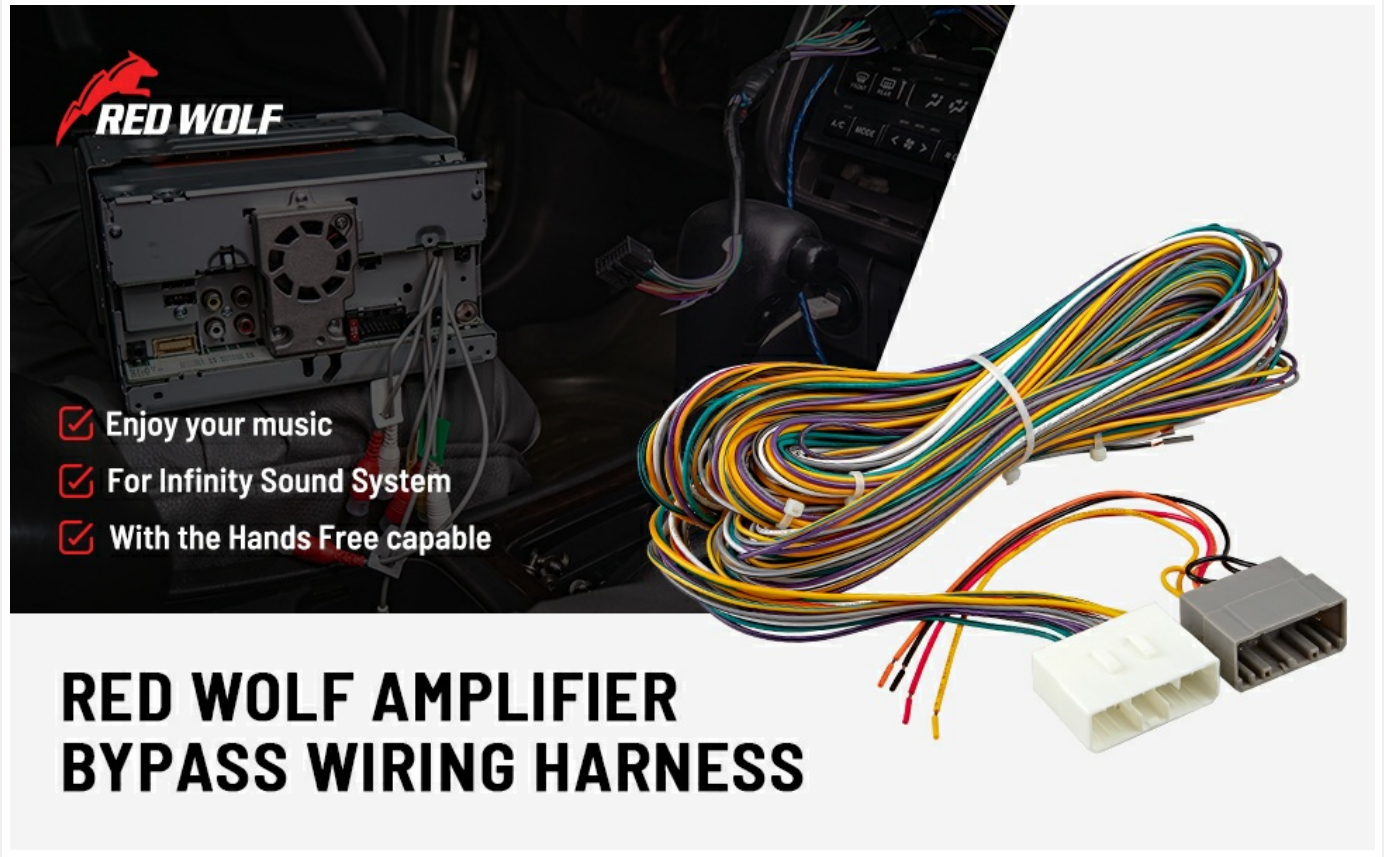


Image: Overview of the RED WOLF amplifier bypass wiring harness, illustrating its components and key benefits for aftermarket stereo installation.

4. Setup and Installation

Before beginning installation, ensure the vehicle's battery is disconnected to prevent electrical shorts or damage.

1. **Locate Factory Components:** Identify the factory radio stereo location and the factory amplifier location in your Dodge Ram. The amplifier is typically located behind the glove box.
2. **Disconnect Factory Wiring:** Carefully disconnect the existing wiring harnesses from both the factory radio and the factory amplifier.
3. **Connect Gray 22-pin Connector:** Plug the gray 22-pin connector of the RED WOLF bypass harness into the radio stereo location. This connector is designed to interface with your aftermarket radio.



Image: Close-up of the gray 22-pin connector, which connects to the aftermarket radio stereo location.

4. **Connect White 18-pin Connector:** Plug the white 18-pin connector of the RED WOLF bypass harness into the factory amplifier location. This connector bypasses the factory amplifier.

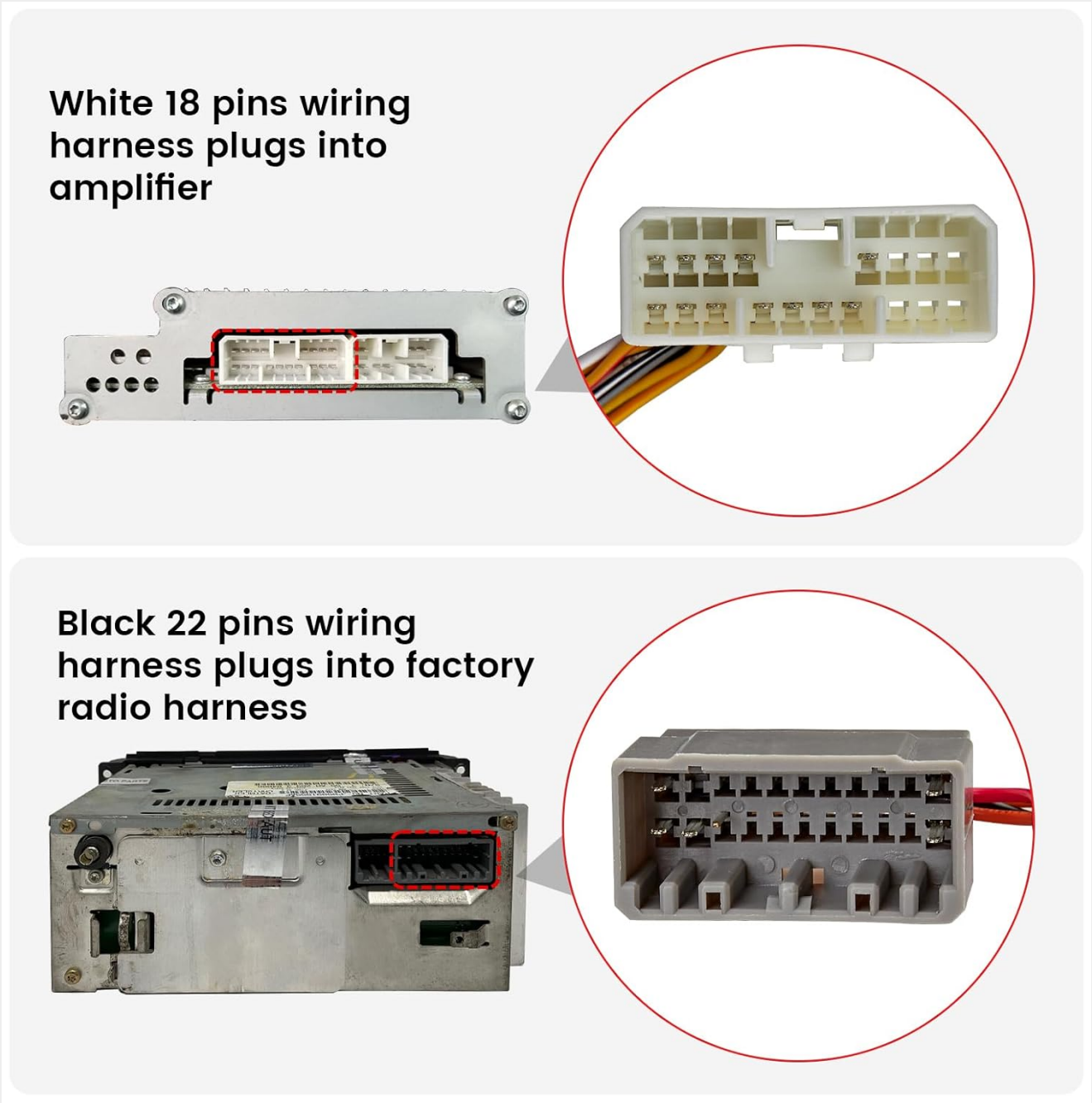


Image: Close-up of the white 18-pin connector, designed to plug into the factory amplifier location for bypass.

5. **Wire Aftermarket Radio:** Connect the wires from the RED WOLF harness to your aftermarket radio according to the wiring diagram provided with your new radio. Ensure each wire is matched to its correct function (e.g., power, ground, speaker outputs).

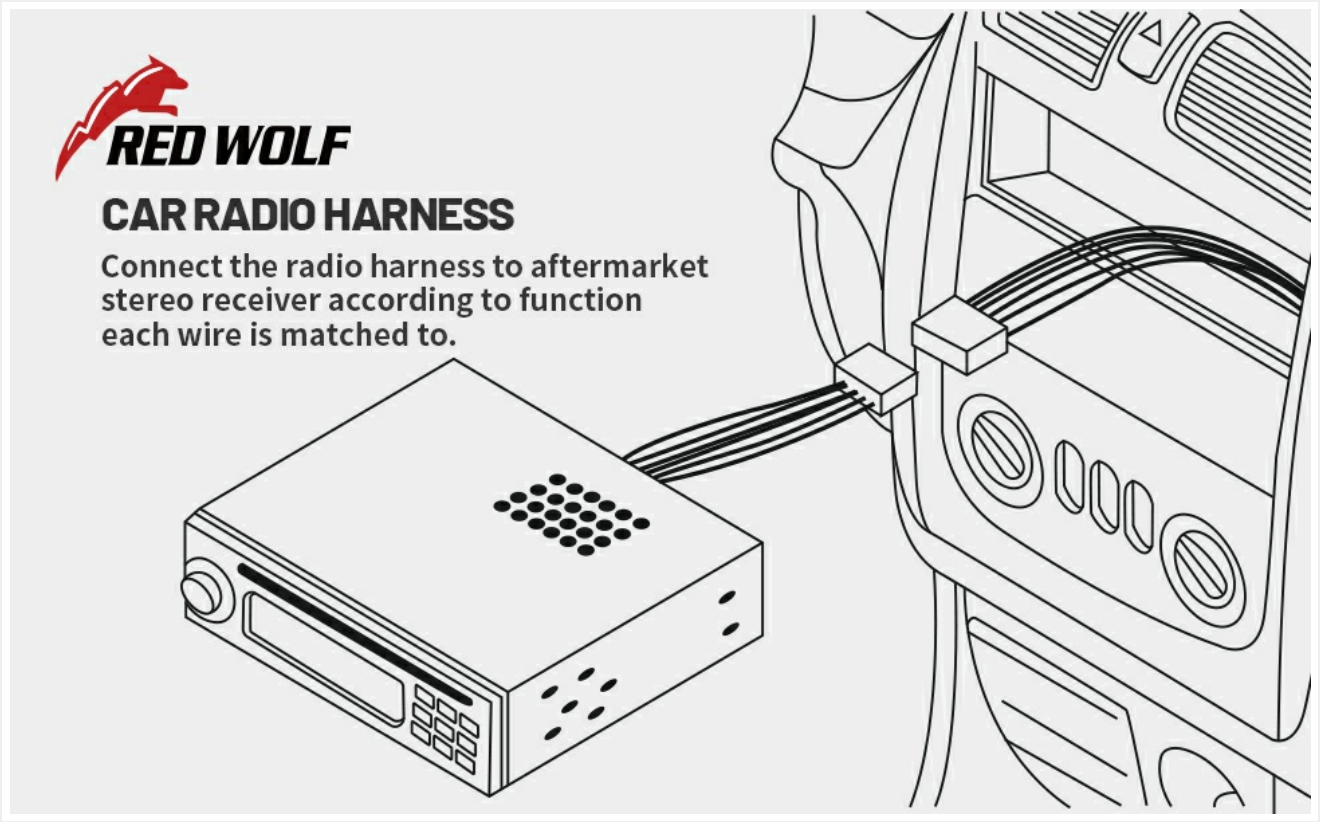


Image: Diagram showing the connection points for the white 18-pin and gray 22-pin connectors within the vehicle's audio system.

6. **Secure Wiring:** Route and secure all wiring to prevent pinching or interference.
7. **Reconnect Battery:** Once all connections are made and secured, reconnect the vehicle's battery.
8. **Test System:** Turn on the vehicle and test the new aftermarket radio to ensure all speakers are functioning correctly.

Professional installation is recommended if you are unfamiliar with car audio wiring.

5. Operating Instructions

This wiring harness is a passive component designed to facilitate the connection of an aftermarket radio. Once installed correctly, its operation is integrated with your new head unit. Refer to your aftermarket radio's instruction manual for specific operating procedures.

6. Maintenance

The RED WOLF Amplifier Bypass Wiring Harness requires minimal maintenance. Ensure all connections remain secure and free from corrosion. Periodically check for any signs of wear or damage to the wiring, especially if the vehicle experiences vibrations or extreme temperatures.

7. Troubleshooting

Problem	Possible Cause	Solution
No sound from speakers.	◦ Incorrect wiring connections to aftermarket radio. ◦ Loose connections at the harness or radio. ◦ Aftermarket radio not powered on or faulty.	◦ Verify all wiring connections against the aftermarket radio's diagram. ◦ Ensure all plugs are fully seated and secure. ◦ Check power and ground connections to the aftermarket radio.

Problem	Possible Cause	Solution
Intermittent sound or static.	◦ Loose or corroded connections. ◦ Damaged wiring.	◦ Inspect all connections for looseness or corrosion and secure/clean as needed. ◦ Check the harness wiring for any cuts, pinches, or damage.
Only some speakers are working.	◦ Incorrect speaker wire connections. ◦ Damaged speaker wire within the harness or vehicle.	◦ Double-check individual speaker wire connections from the harness to the aftermarket radio. ◦ Inspect the specific speaker wires for damage.

8. Specifications

Feature	Detail
Brand	RED WOLF
Model Number	RWF-XCDG00-1561
Material	Copper core with PVC jacket
Item Weight	0.46 Kilograms
Connector Type (Radio)	Gray 22-pin
Connector Type (Amplifier)	White 18-pin
Cable Length	Approximately 204 inches (5.18 meters)



Image: Detail of the high-grade copper core and flexible PVC insulation used in the wiring harness, ensuring durability and conductivity.

9. Warranty and Support

For warranty information or technical support regarding your RED WOLF Amplifier Bypass Wiring Harness, please contact RED WOLF customer service directly. Refer to the product packaging or the official RED WOLF website for contact details.

Manufacturer: RED WOLF

ASIN: B0CGRJGVGY

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