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› RED WOLF Car ISO Stereo Harness (RW-XCNI02-2421) Instruction Manual

RED WOLF RW-XCNI02-2421

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1. PRODUCT OVERVIEW

The RED WOLF Car ISO Stereo Harness (Model RW-XCNI02-2421) is designed to facilitate the installation of an aftermarket car stereo with an ISO connector into compatible Nissan and Subaru vehicles. This harness provides a plug-and-play solution, eliminating the need to cut or modify the vehicle's original factory wiring.

It features a standard 16-pin ISO connector for the aftermarket radio and a 20-pin connector for the vehicle's factory harness. The harness is constructed with a pure copper core for optimal conductivity and durability.

CAR STEREO RADIO HARNESS

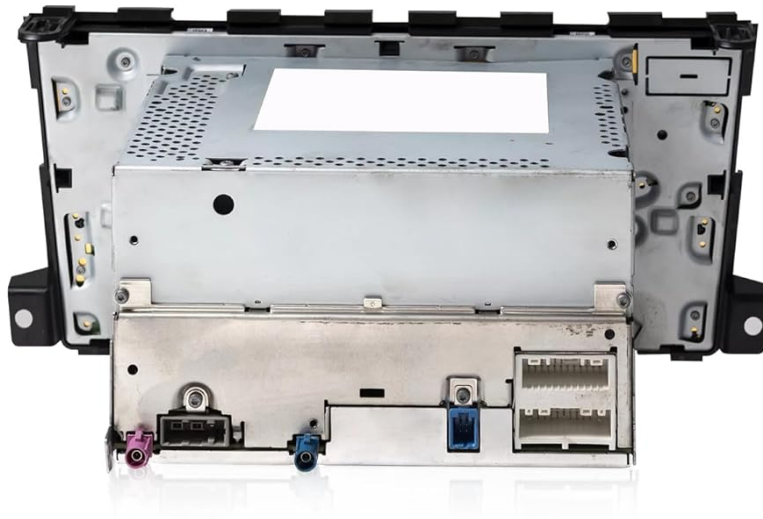


Image: The RED WOLF Car ISO Stereo Harness, showing the 20-pin vehicle connector, 16-pin ISO connectors, and ground wire.

2. COMPATIBILITY

This wiring harness is compatible with specific Nissan and Subaru vehicle models without factory navigation systems. Please verify your vehicle's make, model, and year against the list below to ensure proper fitment.

COMPATIBILITY LIST



For Nissan:

20 Pin Wire Harness Fit for Nissan 2007-2013 Altima, 2009-2012 Frontier, 2009-2012 Xterra, 2007-2013 Versa, 2008-2013 Pathfinder (Not fit with 6 speaker system), 2014-2016 Pathfinder, 2007-2012 Sentra, 2009-2013 Murano, 2011-2013 Juke, 2007-2013 Maxima, 2009 - 2013 Cube, 2012-2013 NV, 2008 - 2013 Rogue, 2008-2012 Titan S trim/base model only, 2013-2019 Titan Leaf

For Subaru:

For Subaru 2009-2014 Forester w/o Factory NAV, 2008-2013 Impreza w/o Factory NAV, 2010-2013 Legacy w/o Factory NAV, 2010-2013 Outback w/o Factory NAV, 2008-2013 WRX w/o Factory NAV; Replacement for Infiniti model 2009-2013 G37, 2015 Q40, 2014-2015 Q60

Image: A detailed compatibility list for various Nissan and Subaru models.

2.1. Compatible Nissan Models (20-Pin Wire Harness)

- 2007-2013 Altima
- 2009-2012 Frontier
- 2009-2012 Xterra
- 2007-2013 Versa
- 2008-2013 Pathfinder (*Not compatible with 6-speaker systems*)
- 2014-2016 Pathfinder
- 2007-2012 Sentra
- 2009-2013 Murano
- 2011-2013 Juke
- 2007-2013 Maxima
- 2009-2013 Cube
- 2012-2013 NV
- 2008-2013 Rogue

- 2008-2012 Titan S trim/base model only
- 2013-2019 Titan Leaf

2.2. Compatible Subaru Models (16-Pin to 20-Pin)

- 2009-2014 Forester (*without Factory NAV*)
- 2008-2013 Impreza (*without Factory NAV*)
- 2010-2013 Legacy (*without Factory NAV*)
- 2010-2013 Outback (*without Factory NAV*)
- 2008-2013 WRX (*without Factory NAV*)

2.3. Compatible Infiniti Models

- 2009-2013 G37
- 2015 Q40
- 2014-2015 Q60

Important Note:

- This harness is designed for aftermarket radios with a standard 16-pin ISO connector ONLY.
- The 16-pin to 20-pin wire harness does NOT include Steering Wheel Control (SWC) or Vehicle Speed Sensor (VSS) functions.

3. PACKAGE CONTENTS

The package includes the following item:

- 1 x RED WOLF Car ISO Stereo Harness (Model RW-XCNI02-2421)

4. INSTALLATION GUIDE

Follow these steps for a proper and secure installation of your RED WOLF Car ISO Stereo Harness.

4.1. Preparation

1. Ensure your vehicle's ignition is off and the battery is disconnected to prevent electrical shorts.
2. Carefully remove your vehicle's factory radio to access the wiring harness. Refer to your vehicle's service manual for specific instructions on radio removal.
3. Inspect your aftermarket stereo to confirm it has a standard 16-pin ISO connector. This harness is designed exclusively for ISO-compatible aftermarket units.

FOR AFTERMARKET RADIO

Please check the type of your aftermarket radio plug before purchasing.

ONLY FOR ISO PLUG!!



ISO PUG

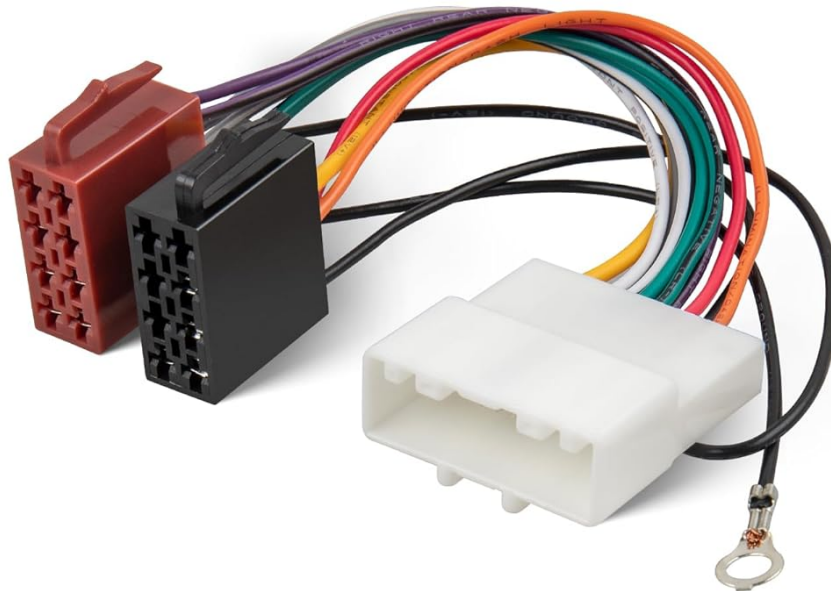
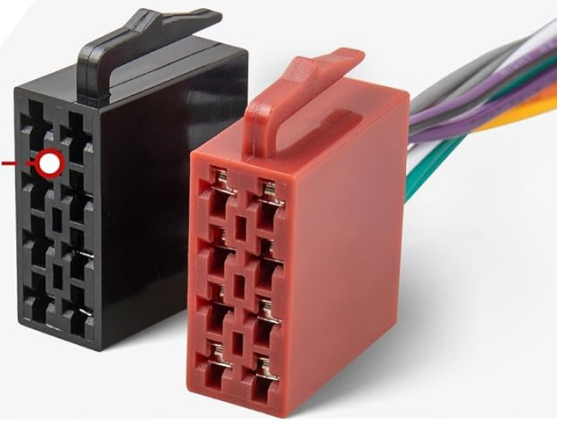


Image: An aftermarket radio with the ISO plug port highlighted, indicating where the harness connects.

4.2. Connection Steps

1. **Connect to Aftermarket Radio:** Plug the 16-pin ISO connector from the RED WOLF harness into the corresponding port on your aftermarket radio.
2. **Connect to Vehicle:** Plug the 20-pin connector from the RED WOLF harness into the vehicle's factory wiring harness. This connection is designed to be plug-and-play, requiring no cutting of OEM wires.
3. **Ground Wire Connection:** Locate the ground wire on the RED WOLF harness (typically black with a ring terminal). Connect this ground wire securely to the vehicle's metal chassis. A proper ground connection is essential for the stereo's functionality and to prevent electrical issues.

**16 Pin ISO Plug into
Aftermarket Radio**



**Connect the Ground
Wire to the Vehicle's
Metal Chassis**

**20 Pin Radio Harness
Plugs into
Vehicle Connector**

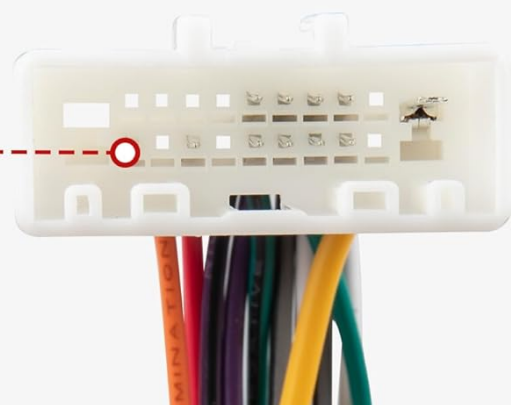


Image: Diagram illustrating the connection points: 16-pin ISO plug to aftermarket radio, ground wire to vehicle chassis, and 20-pin radio harness to vehicle connector.

4.3. Final Steps

1. Once all connections are made, carefully route the wires to avoid pinching or damage when reinstalling the radio.
2. Reconnect the vehicle's battery.
3. Turn on the vehicle's ignition and test the aftermarket stereo's functionality (power, audio, balance, fade).
4. If the stereo functions correctly, proceed to reinstall the aftermarket radio into the dashboard.

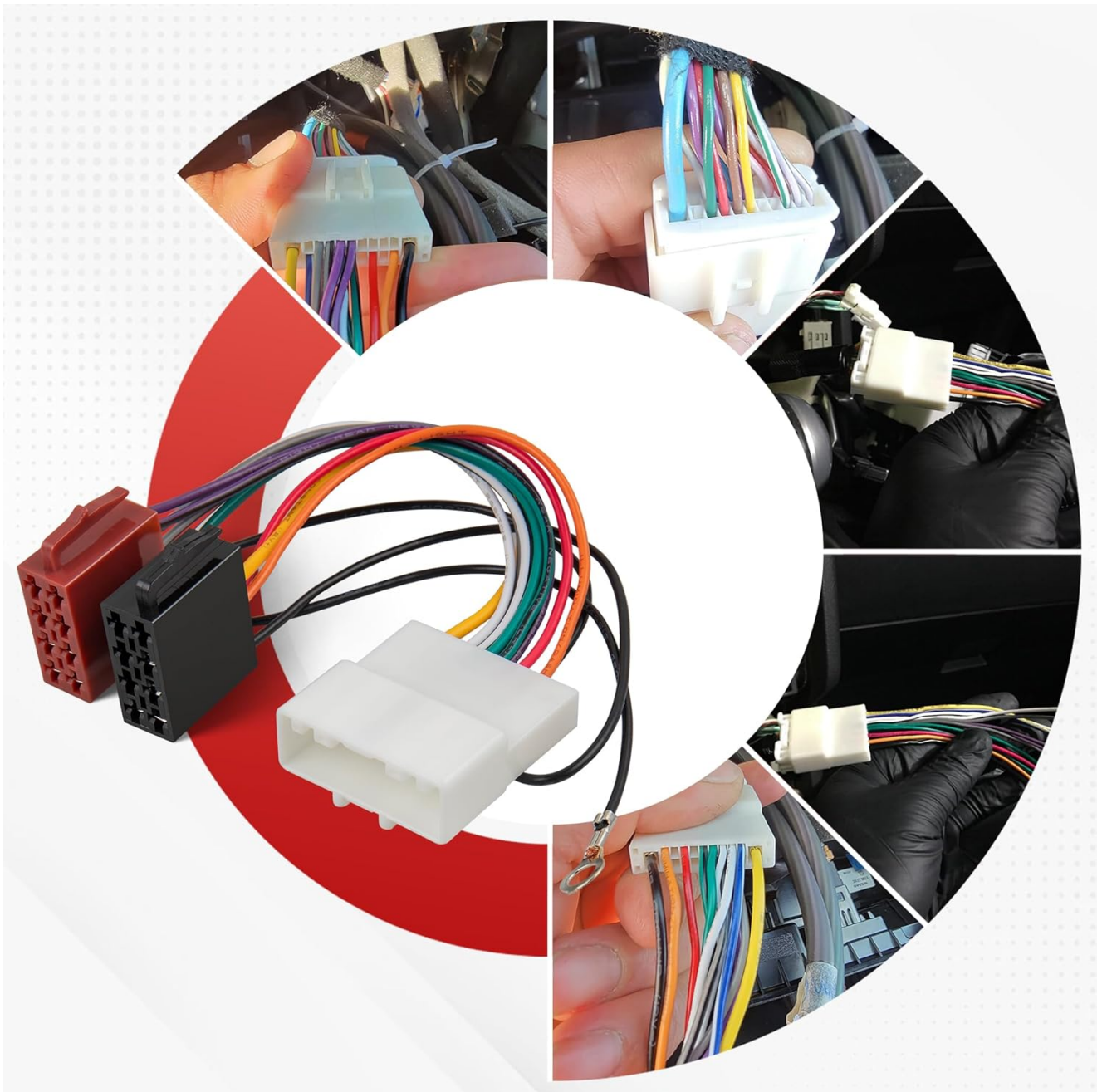


Image: A collage showing various stages of connecting the wiring harness during a car stereo installation.

5. OPERATION

Once correctly installed, the RED WOLF Car ISO Stereo Harness functions as an adapter, allowing your aftermarket radio to receive power and transmit audio signals through the vehicle's existing wiring system. The operation of your stereo will be governed by the instructions provided with your aftermarket head unit.

6. MAINTENANCE

The RED WOLF Car ISO Stereo Harness requires minimal maintenance. Ensure all connections remain secure and free from moisture or excessive vibration. Periodically inspect the wiring for any signs of wear or damage, especially if you experience intermittent audio issues.

7. TROUBLESHOOTING

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

- **No Power to Stereo:**

- Verify that the vehicle's battery is fully charged and properly connected.
- Check all fuse connections, both in the vehicle and on the aftermarket stereo.
- Ensure the ground wire of the harness is securely connected to a clean, unpainted metal surface on the vehicle's chassis.
- Confirm that the 16-pin ISO connector is fully seated into the aftermarket radio and the 20-pin connector is fully seated into the vehicle's factory harness.

- **No Sound:**

- Check the speaker wire connections on both the aftermarket radio and the harness. Ensure no wires are loose or shorting.
- Verify the aftermarket radio's settings (e.g., volume, mute, fader, balance).

- **Intermittent Operation:**

- Loose connections are a common cause. Re-check all plugs and the ground wire connection.
- Inspect the harness wires for any signs of damage or fraying.

If issues persist after performing these checks, consult a professional car audio installer.

8. SPECIFICATIONS

Feature	Specification
Brand	RED WOLF
Model	RW-XCNI02-2421
Material	Copper
Connector Type	ISO
Wire Diameter	1.3 Millimeters
Included Components	Car ISO Stereo Harness
Cable Type	Vehicle Wiring

9. WARRANTY AND SUPPORT

Specific warranty information for the RED WOLF Car ISO Stereo Harness (Model RW-XCNI02-2421) is not provided in this manual. For details regarding warranty coverage, returns, or technical support, please refer to the product listing on the retailer's website or contact RED WOLF customer service directly.