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RED WOLF 19-2003

RED WOLF 16-Pin Pioneer Radio Wiring Harness

Model: 19-2003

Introduction

The RED WOLF 16-pin wiring harness is designed to facilitate the installation of an aftermarket Pioneer head unit into your vehicle. This harness allows you to connect your new stereo system using existing factory wiring connectors, simplifying the installation process and preventing the need to cut original vehicle wiring. It features a pure copper core for excellent conductivity and long service life.

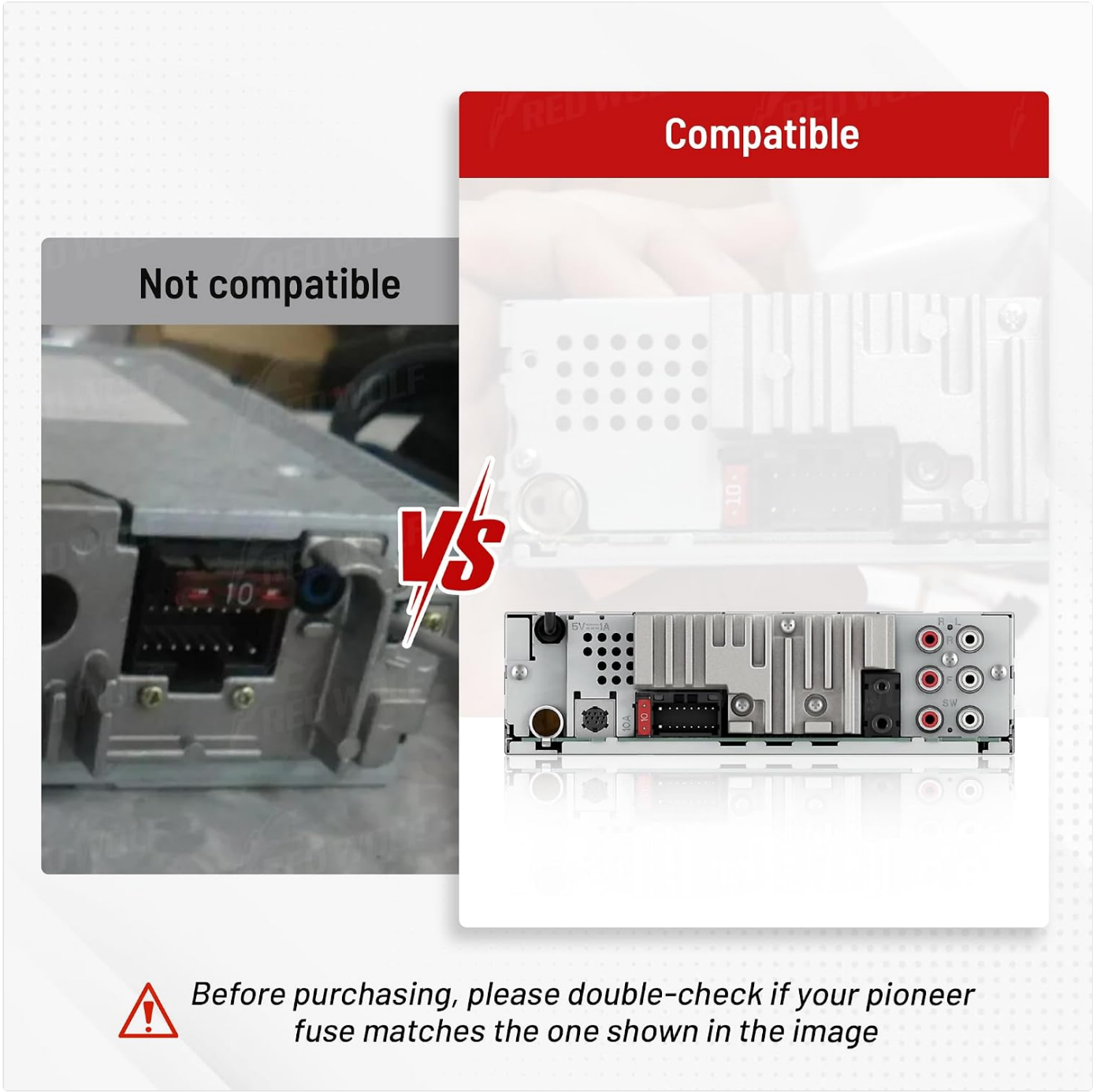


Image: Overview of the RED WOLF 16-pin Pioneer Wiring Harness.

Compatibility

This wiring harness is compatible with a wide range of Pioneer radio stereo models. Please verify your specific model against the lists below to ensure proper fitment. It is crucial to double-check your Pioneer unit's fuse type before purchasing to ensure compatibility.



Image: Visual guide for checking Pioneer fuse compatibility. Ensure your unit's fuse matches the 'Compatible' example.

Compatible Pioneer AVH, AVIC, MVH, FH, SPH Models:

- AVH-3300 NEX, AVH-4100NEX, AVH-4200NEX, AVH4000NEX, AVH-2300NEX, AVH-X5700BHS, AVH-2500NEX, AVH-1400NEX
- CDP1665M, SPHDA120, AVH-X1700S, AVH-X2700BS, AVH-X3700BHS, AVH-X4700BS, AVH-X6700DVD, AVH-X7700DVD
- AVIC-6100NEX, CDP1480, CDP1484, QDP3013
- MVH-X370BT, FH-X720BT, FH-X721BT, FH-X820BS, FH-X520UI



Image: List of compatible Pioneer AVH, AVIC, MVH, FH, SPH models.

Compatible Pioneer DEH Models:

- DEH-2200UB, 1300MP, P4300UB, 3200UB, P4200UB, DEH-15MP, DEH-15UB, DEH-2500UI, DEH-4500BT, DEH-X16UB, DEH-X3500UI, DEH-X35UI, DEH-X55HD
- DEH-X5500HD, DEH-X6500BT, DEH-X65BT, DEH-80PRS, DEH-P7400HD, DEH-8400BH, DEH-9400BH, DEH-X3700S, DEH-X3700UI, DEH-X5700HD
- DEH-X5710HD, DEH-X6700BT, DEH-X6710BT, DEH-X7500HD, DEH-X7500S, DEH-X7600BS, DEH-X7600HD, DEH-X8500BH, DEH-X8500BS, DEH-X8700BH, DEH-X8700BS, DEH-X9500BHS, DEH-X9600BHS
- DEH-X6700BT, DEH-X4700BT, DEH-X2700UI, DEH-X5700HD, DEH-150MP, DMH-2600NEX, DEH-X8800BHS



Image: List of compatible Pioneer DEH models.

Product Features

- **16-Pin Radio Connector:** Designed to perfectly match compatible Pioneer aftermarket head units.
- **Pre-Stripped Wires:** Each wire is pre-stripped, making connections easier and faster.
- **Durable Shell:** Constructed with a robust outer shell for protection and longevity.
- **Pure Copper Core:** Ensures excellent electrical conductivity and reliable signal transfer.
- **Ignition Power Cable:** Includes a dedicated green cable for connecting to an ignition-switched 12-volt power source.



Image: Close-up view of the 16-pin radio connector, pre-stripped wires, and durable cable shell.

Setup and Installation

This wiring harness is designed for straightforward installation, allowing you to connect an aftermarket Pioneer head unit without cutting your vehicle's original wiring. Follow these general steps:

1. **Preparation:** Ensure your vehicle's battery is disconnected before beginning any electrical work.
2. **Connect to Head Unit:** Plug the 16-pin connector of the RED WOLF harness into the corresponding port on your aftermarket Pioneer head unit.
3. **Wire Matching:** Match the colored wires of the RED WOLF harness to the corresponding wires of your vehicle's factory wiring harness. Standard color codes are typically used, but always refer to your vehicle's and head unit's specific wiring diagrams for accuracy.
4. **Ignition Power Connection:** The provided **GREEN cable** must be connected to an ignition-switched 12-volt power source. A common method is to tap into the cigarette lighter circuit for key-on power. **Failure to connect this green wire will prevent the radio from powering on.**
5. **Secure Connections:** Use appropriate connectors (e.g., crimp connectors, solder and heat shrink) to ensure all wire connections

are secure and insulated.

6. **Final Connection:** Once all wires are connected, plug the harness into your vehicle's factory radio connector.
7. **Test:** Reconnect the vehicle battery and test the functionality of your new head unit.



Image: Diagram showing the 16-pin connector, power, 4 speaker wires, 12V accessory, parking brake, and ground connections.



Image: Close-up of the green cable, indicating its use for connecting to the ignition system for 12-volt power.

Video: A short demonstration of the 16-pin Pioneer Wiring Harness Radio Stereo Connector Plug. This video shows the physical product and its components.

Operating Instructions

Once correctly installed and all connections are secure, your aftermarket Pioneer radio will operate as intended. The wiring harness provides the necessary power and audio signal connections for your stereo system to function normally within your vehicle.

Maintenance

This wiring harness requires no routine maintenance. To ensure continued optimal performance, periodically check that all connections remain secure and are free from moisture, corrosion, or physical damage. Avoid pulling on the wires or connectors forcefully.

Troubleshooting

- **Radio Does Not Power On:**
  - Ensure the **GREEN ignition wire** is properly connected to a reliable 12-volt ignition-switched power source. This is a common cause for no power.
  - Check all other power and ground connections for continuity and secure fitment.
  - Verify the vehicle's fuse for the radio circuit is intact.
- **Incorrect Pinning / Specific Functions Not Working (e.g., Parking Brake, Mute, Remote):**
  - Some Pioneer models may have variations in pin assignments. Refer to your specific Pioneer head unit's wiring diagram and compare it with the harness.
  - If a wire is incorrectly pinned, it may be possible to carefully re-pin it using a thin tool to release the terminal from the connector. Exercise caution to avoid damaging the connector or wires.
- **Loose Connections:**
  - Ensure all wire-to-wire connections (e.g., crimps, solder joints) are firm and properly insulated.
  - Verify that the 16-pin connector is fully seated into the head unit and the vehicle's factory connector.

Specifications

Feature	Detail
Brand	RED WOLF
Model Number	19-2003
Connector Type	IDC (16-pin)
Material	Copper, Polyvinyl Chloride (PVC)
Item Weight	0.02 Kilograms
Number of Items	1
Cable Type	Proprietary

Warranty and Support

For specific warranty information and technical support regarding your RED WOLF 16-pin Pioneer Radio Wiring Harness, please contact RED WOLF customer service directly. Details regarding product warranty are not provided within this manual. Please retain your proof of purchase for any warranty claims.

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