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RED WOLF XC02-2118

RED WOLF Steering Wheel Control Wire Harness (Model XC02-2118) Instruction Manual

For Toyota, Lexus, and Scion Vehicles

Product Overview

This manual provides instructions for the RED WOLF Steering Wheel Control Wire Harness, Model XC02-2118. This harness is designed to integrate aftermarket radios with your vehicle's existing steering wheel controls and RCA inputs, without modifying factory wiring. It ensures seamless retention of original vehicle functions when upgrading your car's audio system.

Vehicle Compatibility

This wiring harness is compatible with specific Toyota, Lexus, and Scion models. It is designed for vehicles equipped with a 20-pin connector. Please verify your vehicle's connector type before installation.



Image description: A visual guide showing compatible Toyota, Lexus, and Scion vehicle models and their respective year ranges. This harness is compatible only with 20-pin connectors.

Compatible Toyota Models:

- 4Runner: 2003-2011
- Avalon: 2005-2012

- Camry: 2005-2011
- Corolla: 2009-2010
- FJ Cruiser: 2008-2012
- Highlander: 2004-2012
- Land Cruiser: 2003-2013
- Matrix: 2009-2012
- Prius: 2004-2011
- RAV4: 2005-2010
- Sequoia: 2003-2012
- Sienna: 2003-2014
- Solara: 2004-2008
- Tacoma: 2005-2010
- Tundra: 2003-2013
- Yaris: 2009-2012

Compatible Lexus Models:

- ES330: 2002-2003, 2004-2006
- ES350: 2007-2011
- GX470: 2003-2009
- RX330: 2004-2008
- RX350: 2007-2009
- RX400H: 2006-2009

Compatible Scion Models:

- iQ: 2012-2015
- tC: 2007-2013
- xA: 2004-2006
- xB: 2004-2015
- xD: 2008-2014

Product Features

- **Steering Wheel Control Retention:** Designed to retain factory steering wheel controls when installing an aftermarket radio.
- **RCA Connections:** Includes RCA plugs to allow retention of the factory-installed 3.5mm auxiliary input jack.
- **Direct Connection:** Features a 20-pin connector for direct plug-and-play installation, eliminating the need to cut or splice into OEM wiring.
- **Quality Construction:** Manufactured with pure copper wire for optimal conductivity, a flexible PVC jacket for durability, and wear-resistant ABS plugs.

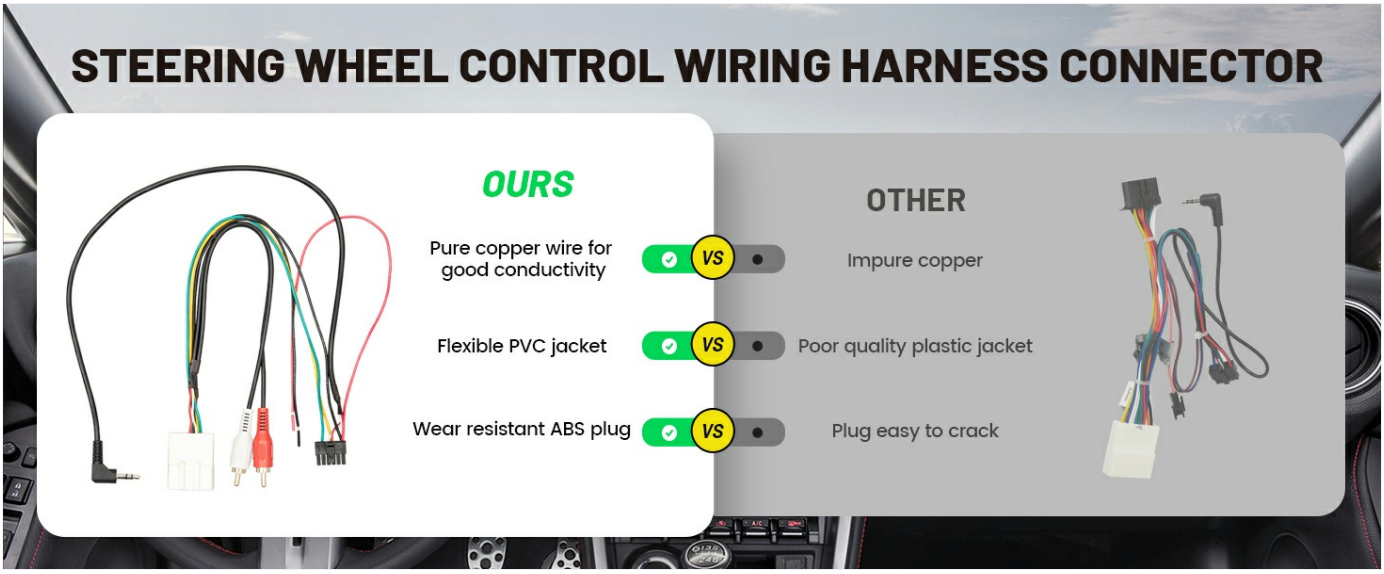


Image description: An illustration highlighting the harness features, including RCA connections for 3.5mm jack and SWC function retention, shown with a car interior and aftermarket radio.



Image description: A comparison image showing the RED WOLF harness with pure copper wire, flexible PVC jacket, and wear-resistant ABS plug, contrasted with a generic harness of lower quality.

Installation Instructions

This harness is designed for use with an aftermarket radio. An ASWC-1 steering wheel control interface (not included) is typically required for full functionality. Professional installation is recommended.

Components Overview:

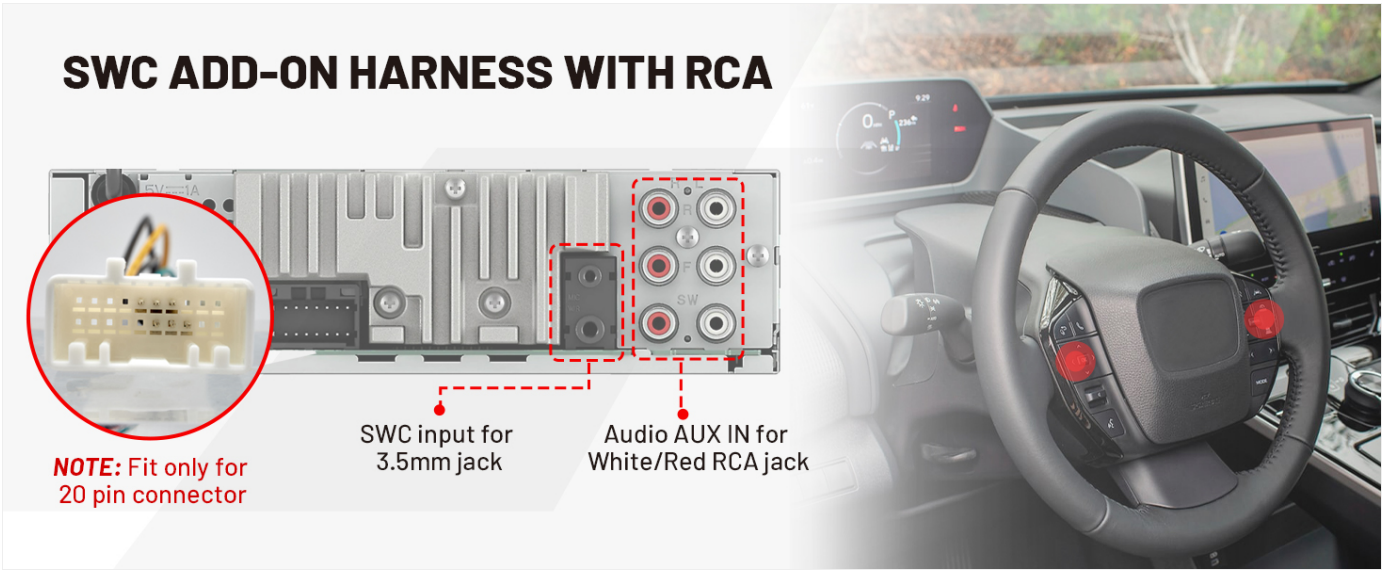


Image description: A diagram illustrating the harness components: 1) Connection point for ASWC-1 interface, 2) 3.5mm jack for SWC input, 3) RCA plugs for AUX IN, 4) Black wire for chassis ground (12V-), 5) Red wire for switched 12V (12V+). Note: ASWC-1 interface is not included and must be purchased separately.

Connection Steps:

1. **Vehicle Connection:** Connect the 20-pin connector of the RED WOLF harness to the corresponding factory port in your vehicle.
2. **SWC Input:** Connect the 3.5mm jack from the harness to the Steering Wheel Control (SWC) input on your aftermarket radio.
3. **Auxiliary Input:** Connect the RCA plugs to the AUX IN ports of your aftermarket radio to retain the factory 3.5mm jack functionality.
4. **Ground Connection:** Ensure the black wire from the harness is securely connected to the vehicle's chassis ground (12V-).
5. **Power Connection:** Connect the red wire from the harness to a switched 12V (12V+) power source in your vehicle.
6. **Head Unit Without SWC Jack:** If your aftermarket head unit does not have a dedicated SWC jack, you may need to modify the harness. In this case, connect either the red or white wire to your aftermarket radio's SWC remote wire.
7. **ASWC-1 Interface:** The SWC wiring harness is designed to work with an ASWC-1 steering wheel control interface (sold separately). Ensure this interface is properly connected and configured according to its own instructions. If you choose not to use an ASWC-1 interface but wish to retain SWC functions, you may need to cut the harness plug and manually connect the wires to your aftermarket radio's SWC input.

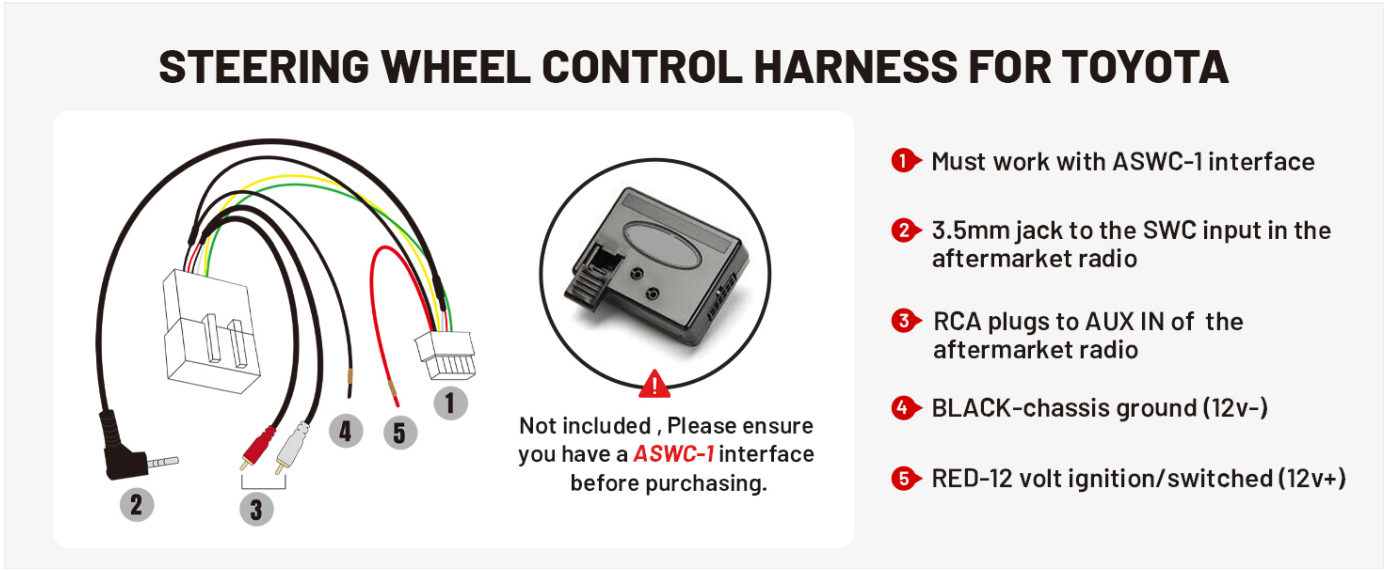


Image description: A detailed view of the aftermarket radio's rear panel, showing the SWC input for the 3.5mm jack and Audio AUX IN for the white/red RCA jacks. It emphasizes compatibility only with 20-pin connectors.

Operation

Once correctly installed, the RED WOLF Steering Wheel Control Wire Harness enables your aftermarket radio to receive signals from your vehicle's factory steering wheel controls. The specific functions (e.g., volume up/down, track forward/back, mode) that are retained and how they operate will depend on your aftermarket radio's capabilities and the configuration of the ASWC-1 interface (if used).

Maintenance

This product requires minimal maintenance. Ensure all connections remain secure and free from moisture, excessive heat, or physical damage. Periodically inspect the wiring for any signs of wear or loose connections to ensure continued reliable performance.

Troubleshooting

- **Steering Wheel Controls Not Working:**
  - Verify that an ASWC-1 interface (if used) is correctly installed and configured with your aftermarket radio according to its manufacturer's instructions.
  - Check all harness connections, especially the 3.5mm jack to the SWC input on your aftermarket radio.
  - *Specific Note:* Some users have reported that the internal wiring for the 3.5mm jack may require swapping the red and white wires to function correctly with certain ASWC-1 interfaces. If you are experiencing issues, consider testing this adjustment.
- **No Audio from Factory 3.5mm Jack (if applicable):**
  - Ensure the RCA plugs from the harness are correctly connected to the AUX IN ports of your aftermarket radio.

- Confirm the aftermarket radio's input source is set to the correct auxiliary input.

- **No Power to Aftermarket Radio:**
  - Confirm the red (switched 12V) and black (ground) wires of the harness are securely connected to appropriate power sources in your vehicle.
  - Check vehicle fuses related to the radio and power supply.

Product Specifications

Brand	RED WOLF
Model	XC02-2118
Connector Type	RCA, 20-Pin
Material	Copper
Item Dimensions (L x W x H)	4 x 2.6 x 0.78 inches
Item Weight	0.04 Kilograms
Cable Type	Coaxial

Warranty and Support

For warranty information or technical support regarding your RED WOLF Steering Wheel Control Wire Harness, please contact RED WOLF directly through their official customer service channels or the retailer where the product was purchased. It is recommended to retain your purchase receipt for any warranty claims or support inquiries.

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