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> JAYUBIEN 16-Pin ISO Radio Wiring Harness for Toyota (2012 and Below) - Model USJY30

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Instruction Manual

1. PRODUCT OVERVIEW

The JAYUBIEN 16-Pin ISO Radio Wiring Harness (Model USJY30) is designed to facilitate the installation of aftermarket Android car stereos in compatible Toyota vehicles manufactured in 2012 and earlier. This harness provides a plug-and-play solution, connecting your new stereo to the existing factory wiring without the need for cutting or splicing wires. It includes connections for power, speakers, steering wheel controls (SWC), and a reverse camera signal.

Important Note: This harness is intended for Toyota vehicles without a factory JBL sound system or an OEM camera. It is not compatible with Pioneer, Kenwood, JVC, Atoto, or Alpine Android radios.

2. COMPATIBILITY

This wiring harness is compatible with the following Toyota models and years (non-JBL systems, no OEM camera):

- Land Cruiser: 2003-2009
- 4Runner: 2003-2010
- Tundra: 2003-2010
- Sequoia: 2003-2011
- Solara: 2004-2008
- Highlander: 2004-2009
- Prius: 2004-2010
- RAV4: 2004-2011
- Sienna: 2004-2011
- Tacoma: 2005-2011
- Avalon: 2005-2011
- Camry: 2006-2012

- Corolla: 2006-2012
- FJ Cruiser: 2007-2010
- Matrix: 2009-2010
- Venza: 2009-2010

This list is for reference. Always compare the connectors on your factory radio and vehicle to the harness connectors before installation. If you are unsure whether it will fit your car, please send some pictures of your original CD player's back connectors to check.

16 Pin ISO Connector for Toyota

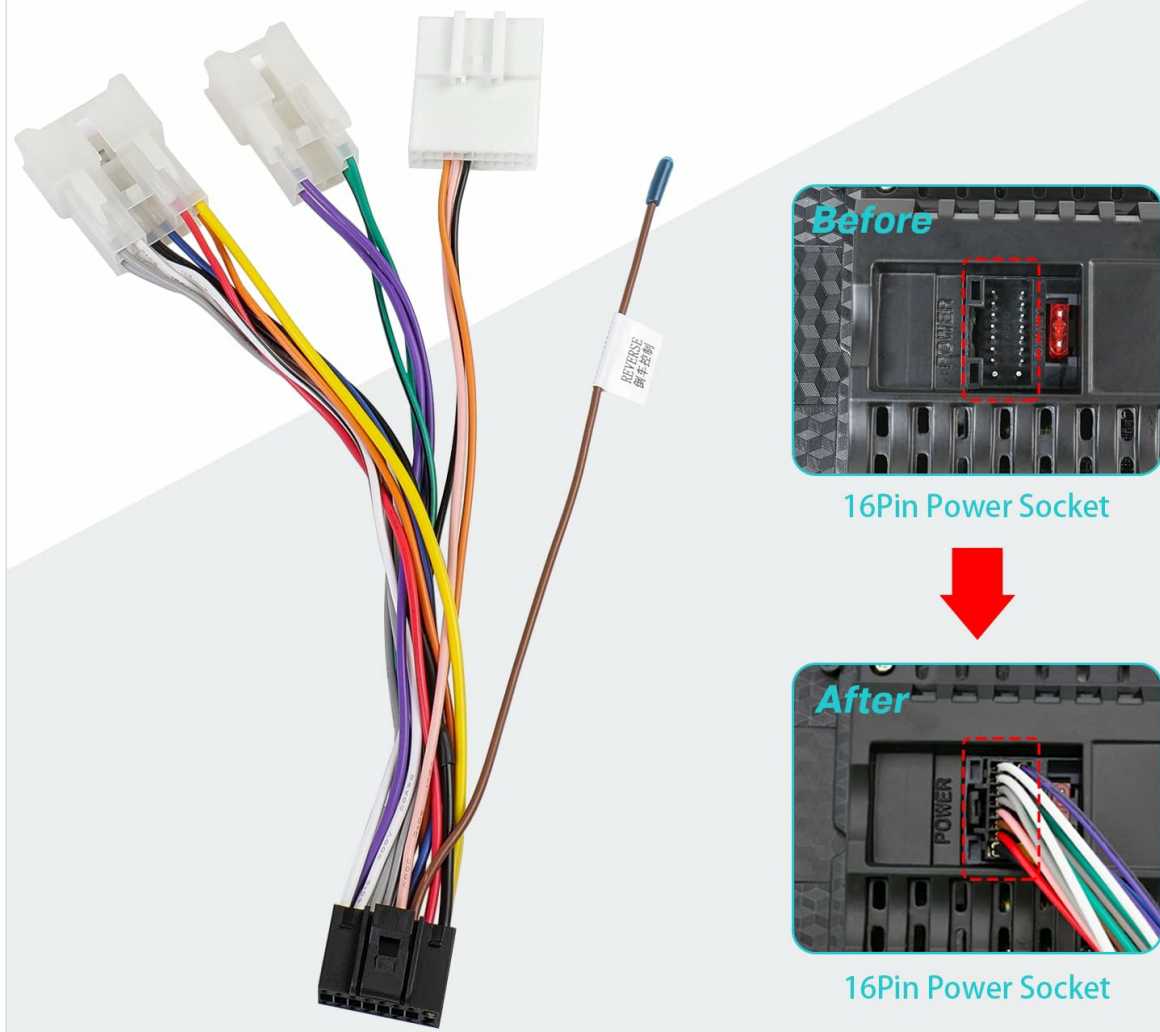


Image: JAYUBIEN wiring harness showing compatible Toyota models and years, along with a diagram of factory radio sockets for comparison.

3. PACKAGE CONTENTS

Verify that your package contains the following items:

- 1 x JAYUBIEN 16-Pin ISO Radio Wiring Harness for Toyota
- 3 x Butt Connectors

4. INSTALLATION GUIDE

Follow these steps to install the JAYUBIEN wiring harness:

4.1. Identify Connectors

The harness consists of several key components:

1. **16-Pin ISO Adapter:** Connects to your aftermarket Android radio's 16-pin power socket.
2. **20-Pin SWC Adapter:** Connects to the vehicle's steering wheel control wiring (no CAN BUS).
3. **10-Pin Power Adapter:** Connects to the vehicle's factory power harness.
4. **6-Pin Speaker Adapter:** Connects to the vehicle's factory speaker harness.
5. **Reverse Control Cable:** A brown wire with a blue tip, used for connecting to a backup camera's detection wire.

Jayubien Wire Harness with Butt Connectors



Instructions:

- ① Tear the pvc jacket, you can cut the metal wires if it is too long
- ② Insert the butt connector (fit for 18AWG-22AWG cables)
- ③ Use the plier tool to crimp one side of the butt connector

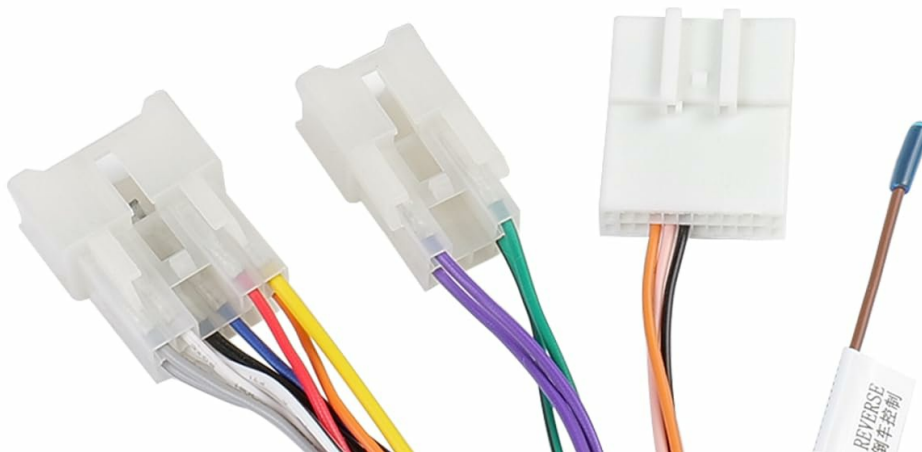


Image: Labeled components of the wiring harness, including the 16-Pin ISO adapter, 20-Pin SWC adapter, 10-Pin power adapter, and 6-Pin speaker adapter.

4.2. Connecting the Main Harness

1. Ensure the vehicle's battery is disconnected before starting the installation to prevent electrical shorts.
2. Locate the factory radio wiring harnesses in your Toyota vehicle.
3. Connect the 10-Pin Power Adapter from the JAYUBIEN harness to the corresponding factory power connector in your vehicle.
4. Connect the 6-Pin Speaker Adapter from the JAYUBIEN harness to the corresponding factory

speaker connector in your vehicle.

5. Connect the 16-Pin ISO Adapter of the JAYUBIEN harness to the 16-pin power socket on your aftermarket Android car stereo.

Plug and Play Radio Wiring Harness

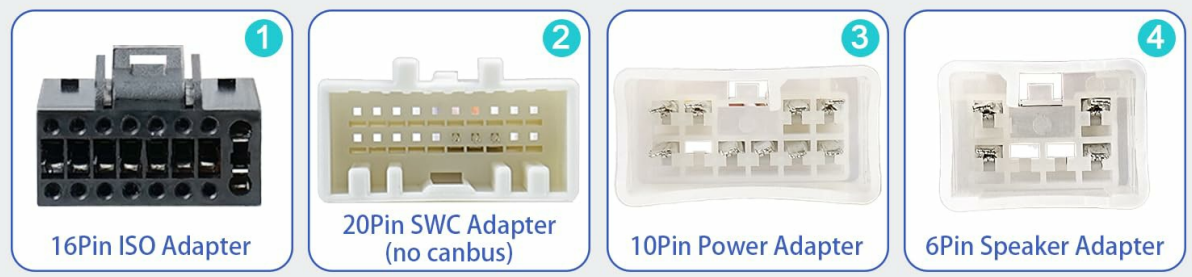
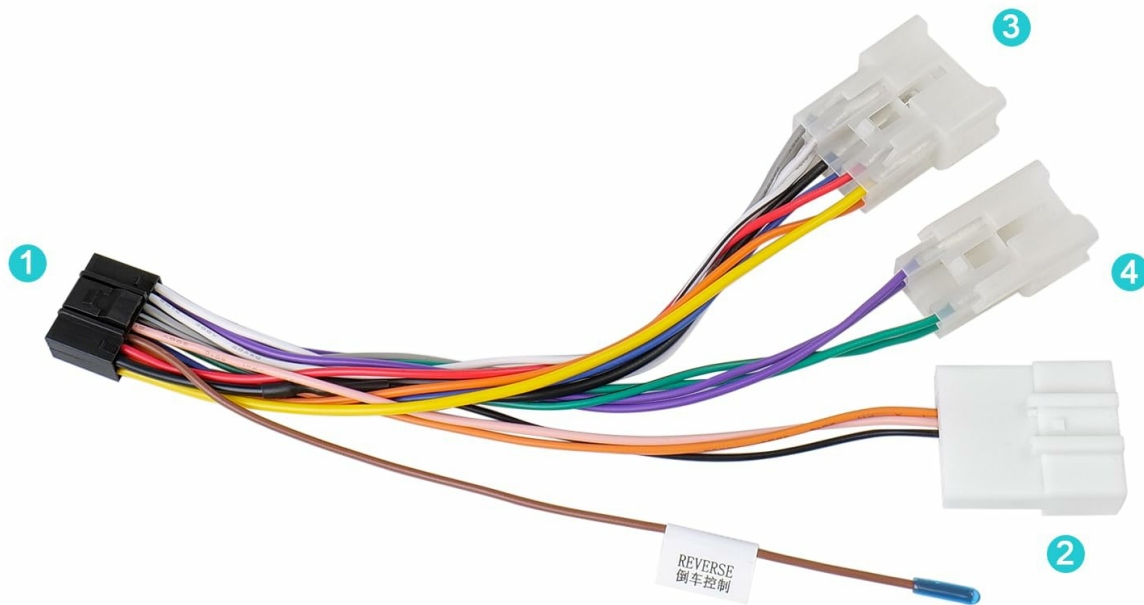


Image: Illustration of connecting the 16-Pin ISO adapter to an aftermarket radio's power socket.

4.3. Steering Wheel Control (SWC) Connection

Connect the 20-Pin SWC Adapter from the JAYUBIEN harness to the vehicle's factory steering wheel control connector. This allows your steering wheel buttons to control your new Android stereo. This harness does not utilize CAN BUS for SWC.

4.4. Reverse Camera Control Cable

The brown "REVERSE" wire with a blue tip is provided to connect to your aftermarket backup camera's RCA video detection cable (typically a red wire). This connection enables the car radio screen to automatically display the rear image when the vehicle is shifted into reverse gear.

1. Identify the reverse detection wire from your backup camera's RCA video cable.
2. Use one of the included butt connectors to securely join the JAYUBIEN harness's brown "REVERSE" wire to the backup camera's detection wire.

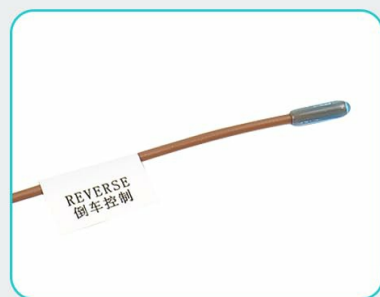
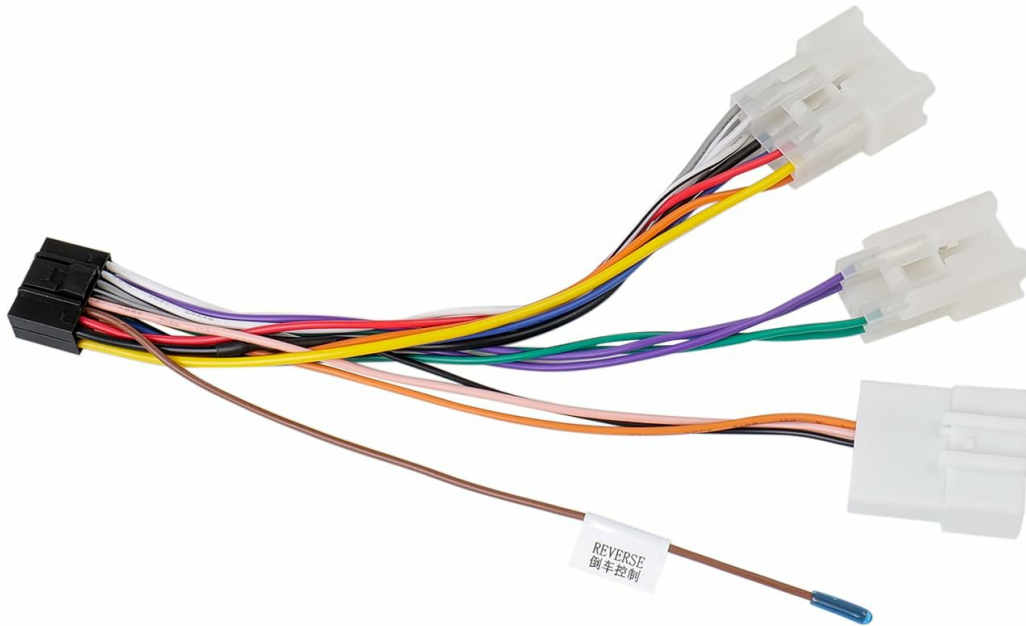


Image: Illustration of connecting the reverse control cable to a backup camera's detection wire.

Butt Connector Usage:

1. Tear the PVC jacket from the wires you intend to connect.
2. Insert the stripped wires into the butt connector (suitable for 18AWG-22AWG cables).
3. Use a plier tool to crimp one side of the butt connector firmly onto the wire. Repeat for the other wire on the opposite side of the connector.

With Reverse Control Cable



Reverse Cable

Connection



To Back Camera RCA
Detection Wire (Red)

Image: Step-by-step instructions for using the included butt connectors for wire connections.

4.5. Antenna Wire

The ANT (antenna) wire typically does not require connection for most aftermarket Android radios, as the antenna signal is usually handled through a separate antenna adapter (not included with this harness).

4.6. Final Steps

1. Double-check all connections to ensure they are secure and correctly matched.
2. Reconnect the vehicle's battery.
3. Test the functionality of your new Android stereo, including audio, steering wheel controls, and the reverse camera.

5. OPERATING THE SYSTEM

Once installed, the JAYUBIEN wiring harness enables the full functionality of your aftermarket Android car stereo, including:

- **Power and Audio:** Provides stable power to the stereo and transmits audio signals to your vehicle's speakers.
- **Steering Wheel Controls:** Allows you to use your vehicle's factory steering wheel buttons to control

basic functions of your new stereo (e.g., volume, track change), provided your stereo supports this feature and is configured correctly.

- **Reverse Camera Integration:** Automatically switches the stereo display to the backup camera view when the vehicle is put into reverse, if a compatible camera is connected to the reverse control cable.

For detailed operation of your Android car stereo, please refer to the stereo's specific instruction manual.

6. GENERAL CARE

The JAYUBIEN wiring harness is designed for durability. To ensure its longevity and proper function:

- Ensure all connections are secure and free from strain.
- Avoid exposing the harness to excessive moisture or extreme temperatures.
- Do not attempt to modify the harness wiring unless specifically instructed by a professional, as this may void any warranty and could cause damage to your vehicle's electrical system or stereo.

7. TROUBLESHOOTING

- **No Power to Stereo:**

Ensure the 10-Pin Power Adapter is securely connected to both the vehicle and the harness. Check the vehicle's fuse box for any blown fuses related to the radio or accessory power. Verify that the 16-Pin ISO adapter is fully seated in the aftermarket stereo.

- **No Sound from Speakers:**

Confirm the 6-Pin Speaker Adapter is correctly connected. Check the speaker wire connections on your aftermarket stereo. Ensure the stereo's volume is up and not muted. Verify that your vehicle does not have a factory JBL amplifier, as this harness is not compatible with such systems.

- **Steering Wheel Controls Not Working:**

Ensure the 20-Pin SWC Adapter is properly connected. Some aftermarket radios require specific programming or configuration for steering wheel controls. Refer to your Android stereo's manual for SWC setup instructions. Note that pin assignments for SWC can vary between stereo manufacturers; it may be necessary to verify pin functions against your stereo's wiring diagram.

- **Reverse Camera Not Activating:**

Verify that the brown "REVERSE" wire from the JAYUBIEN harness is correctly connected to the backup camera's RCA video detection wire using a butt connector. Ensure the camera itself is powered and functioning. Check your aftermarket stereo's settings for reverse camera input activation.

- **Harness Does Not Fit:**

Double-check the compatibility list and compare your vehicle's factory connectors with the images provided. This harness is designed for specific Toyota models and years without JBL systems or OEM cameras. If the connectors do not match, this harness may not be suitable for your vehicle.

8. SPECIFICATIONS

Brand:	JAYUBIEN
Model:	USJY30
Material:	ABS, Copper, Polyvinyl Chloride (PVC)

Item Weight:	35 Grams
Connector Type:	16-Pin ISO
Wire Diameter:	1.02 Millimeters
Included Components:	1 x 16-Pin Wiring Harness for Toyota, 3 x Butt Connectors

9. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the retailer where you purchased this product or contact JAYUBIEN customer service through their official channels. Keep your purchase receipt for warranty claims.