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ViaBecs CAN011-R

ViaBecs CAN011-R Car Radio Wiring Harness Instruction Manual for Nissan Vehicles (OEM 5" or No Screen)

Brand: ViaBecs | Model: CAN011-R

1. Introduction

This instruction manual provides detailed guidance for installing and using the ViaBecs CAN011-R Car Radio Wiring Harness. This harness is designed to facilitate the installation of an aftermarket Android head unit in compatible Nissan vehicles, ensuring the retention of essential factory features without the need for cutting or splicing original wiring.

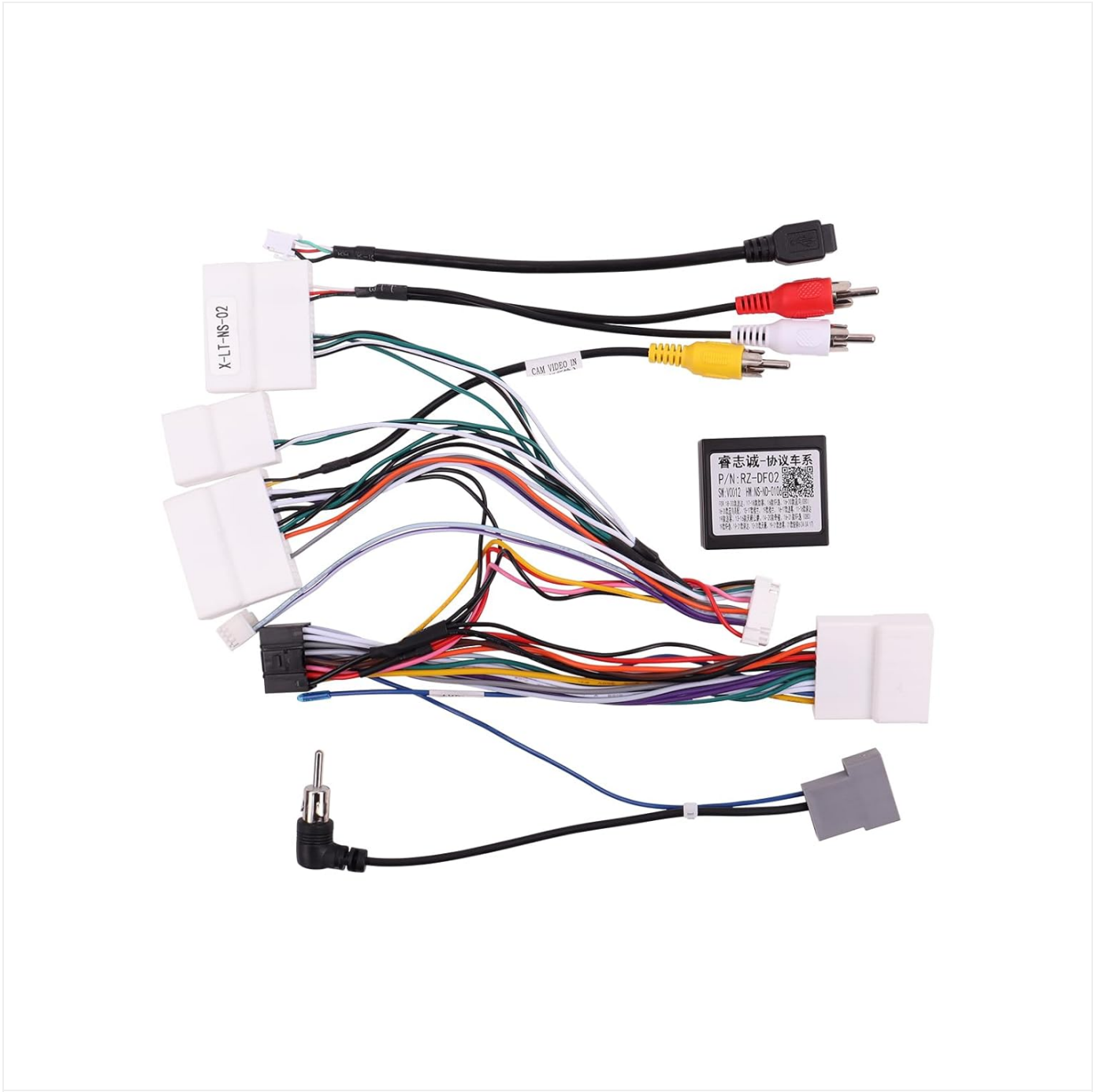

Figure 1: Overview of the ViaBecs CAN011-R Car Radio Wiring Harness components.

2. Compatibility

The CAN011-R wiring harness is specifically designed for Nissan vehicles with low to medium trim levels that feature an OEM radio with a 4.3-inch screen or no screen. It is not compatible with Nissan OEM radios that have a 7-inch screen.

2.1 Compatible Nissan Models and Years:

- Nissan Rogue: 2013 - 2018 (Low & Medium Trim Level)
- Nissan Altima / Teana: 2013 - 2018 (Low & Medium Trim Level)
- Nissan Qashqai J11: 2014 - 2018 (Low & Medium Trim Level)
- Nissan X-Trail: 2014 - 2018 (Low & Medium Trim Level)
- Nissan Frontier Sentra: 2014 - 2019 (Low & Medium Trim Level)
- Nissan Navara NP300: 2014 - 2021 (Low & Medium Trim Level)
- Nissan Murano: 2013 - 2018 (Low & Medium Trim Level)

- Nissan Versa: 2015 - 2018

2.2 Important Compatibility Notes:

- **OEM Screen Size:** This harness is compatible with OEM radios featuring a 4.3" screen or no screen. It is **not** suitable for Nissan OEM radios that have a 7-inch screen.
- **Bose Amplifier:** If your vehicle is equipped with the original Bose AMP, ensure the AMP CONT line is properly wired to enable sound output.
- **Aftermarket Head Unit:** This harness is designed to work with Android car stereos that have a 16-pin power socket. Verify your aftermarket head unit's connector type before purchase.
- **Vehicle Verification:** Always confirm your car's exact model and year before purchasing to ensure full compatibility.

Figure 2: Visual guide for Nissan car radio compatibility, highlighting the difference between 7-inch screen (incompatible) and 4.3-inch or no screen (compatible) OEM units.

3. Key Features

The ViaBecs CAN011-R wiring harness offers several features to ensure a smooth integration of your aftermarket Android head unit while preserving original vehicle functionalities:

- **Plug-and-Play Installation:** Eliminates the need for cutting, splicing, or soldering factory wires, simplifying the installation process.
- **Steering Wheel Control (SWC) Retention:** Maintains the functionality of your vehicle's original steering wheel audio controls.
- **Backup Camera Retention:** Preserves the use of the factory-installed backup camera or 360-degree camera system.
- **Bose Amplifier Support:** Designed to integrate with the original Bose amplifier system, ensuring audio output.
- **USB/AUX Retention:** Retains the functionality of the factory USB and AUX ports.
- **Door Open Hint:** Keeps the original door open warning indicator.
- **16-Pin Power Plug:** Specifically engineered for direct connection to aftermarket Android car stereos with a 16-pin power connector.

Figure 3: Visual representation of factory features retained by the harness, including steering wheel controls, backup camera, Bose AMP,

door open hint, and USB/AUX.

4. Setup and Installation Guide

Follow these steps carefully to ensure proper installation of your ViaBecs CAN011-R wiring harness and aftermarket head unit.

4.1 Pre-Installation Steps:

1. **Disconnect Battery:** Before beginning any electrical work, disconnect the negative terminal of your car battery to prevent electrical shorts or damage.
2. **Remove OEM Radio:** Carefully remove your vehicle's original radio unit from the dashboard. Refer to your vehicle's service manual for specific instructions on dashboard disassembly.
3. **Identify OEM Connectors:** Locate the factory wiring connectors that were attached to your OEM radio.

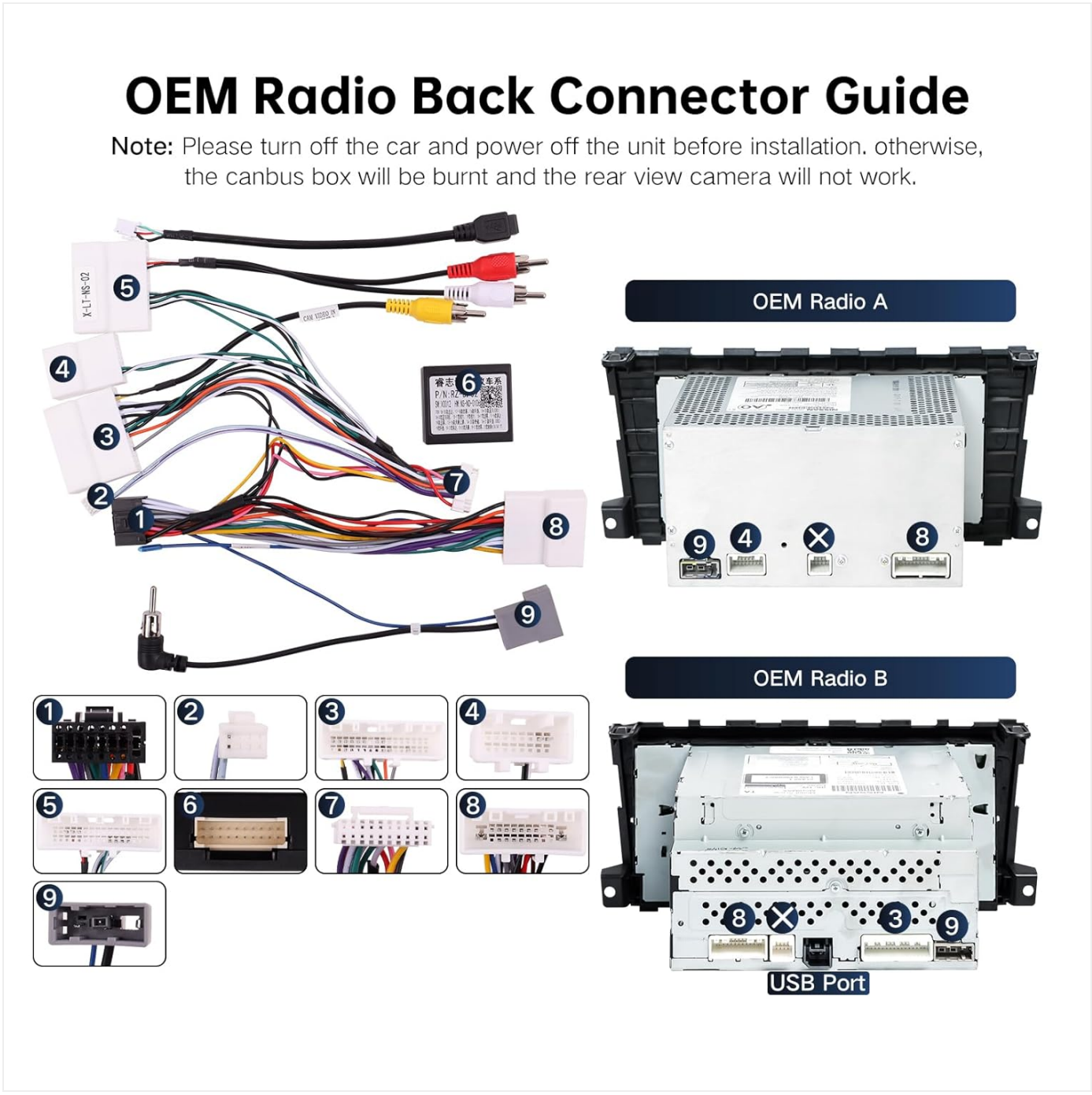

Figure 4: Guide to OEM radio back connectors. Ensure the car is turned off and power is disconnected before installation to prevent damage to the Canbus box or rear view camera.

4.2 Connecting the Harness:

4. **Connect to Aftermarket Head Unit:** Plug the 16-pin power connector of the ViaBecs harness into the corresponding 16-pin power socket on your aftermarket Android head unit.
5. **Connect to Vehicle:** Connect the vehicle-specific connectors of the ViaBecs harness to the factory wiring harnesses in your dashboard. These are designed for a direct, plug-and-play fit.
6. **Canbus Box Connection:** Ensure the Canbus box (if applicable, typically integrated into the harness) is securely connected. It is recommended to reconnect the Canbus box when connecting the wiring harness.
7. **Accessory Connections:**
    - **USB Adapter:** Connect the 4PIN USB adapter to the head unit.
    - **Rear Camera:** Connect the male rear camera cable to the head unit's camera input.
    - **AUX Cables:** Connect the male AUX R OUT and male AUX L OUT cables to the female AUX R IN and female AUX L IN ports on the head unit, respectively.
    - **AMP CONT Line:** If your vehicle has a Bose amplifier, connect the AMP CONT line from the harness to the amplifier control input on your head unit to enable sound.
    - **FM/AM Radio Antenna:** Connect the FM/AM radio antenna adapter.

Figure 5: Detailed guide on connecting the car stereo wiring harness to an aftermarket head unit, showing various connections including USB, Canbus, camera, AUX, AMP CONT, and antenna.

4.3 Post-Installation Steps:

8. **Reconnect Battery:** Reconnect the negative terminal of your car battery.
9. **Test Functionality:** Before reassembling the dashboard, turn on your vehicle and test all functions of the new head unit, including audio, steering wheel controls, backup camera, and any other retained features.
10. **Reassemble Dashboard:** Once all functions are verified, carefully reassemble your vehicle's dashboard.

Figure 6: Example of the wiring harness connected to an aftermarket head unit within the car dashboard, demonstrating a plug-and-play connection.

5. Operation

Once the ViaBecs CAN011-R wiring harness is correctly installed, the operation of your aftermarket Android head unit and retained factory features will function as designed. Refer to your aftermarket head unit's instruction manual for specific operating instructions for the stereo itself. The harness ensures that features like steering wheel controls, backup camera, and Bose amplifier integrate seamlessly with the new unit.

6. Maintenance

The ViaBecs CAN011-R wiring harness is a passive component and requires no specific maintenance. Ensure all connections remain secure during any subsequent work on your vehicle's audio system. Avoid exposing the harness to excessive moisture or extreme temperatures.

7. Troubleshooting

If you encounter issues after installation, review the following common problems and solutions:

- **No Sound Output:**
  - Verify that the AMP CONT line is correctly wired if your vehicle has a Bose amplifier.
  - Check all power connections to the head unit and harness.
- **Steering Wheel Controls Not Working:**
  - Ensure the Canbus box is properly connected and recognized by the head unit.
  - Check the head unit's settings for SWC configuration. Some head units require manual programming.
- **Backup Camera Not Displaying:**
  - Confirm the rear camera input cable is securely connected to the head unit.
  - Ensure the reverse trigger wire (if applicable) is correctly connected.
  - Verify that the car was turned off and power disconnected before installation, as improper procedure can damage the rear view camera functionality.
- **Head Unit Not Powering On:**
  - Check the main 16-pin power connection to the head unit and the vehicle's power source.
  - Ensure the car battery is reconnected and fully charged.
- **Incompatibility Issues:**
  - Double-check your vehicle's OEM radio screen size. This harness is for 4.3" or no screen, not 7".
  - Confirm your aftermarket head unit has a 16-pin power socket.

If troubleshooting steps do not resolve the issue, please contact ViaBecs customer support for further assistance.

8. Specifications

Brand	ViaBecs
Model Number	CAN011-R
Material	Polyvinyl Chloride (PVC), Copper
Connector Type	16 Pin Plug for Head Unit
Compatible OEM Radio	4.3" Screen or No Screen
Package Dimensions	7.87 x 5.91 x 1.57 inches
Item Weight	5.29 ounces
UPC	789563614281

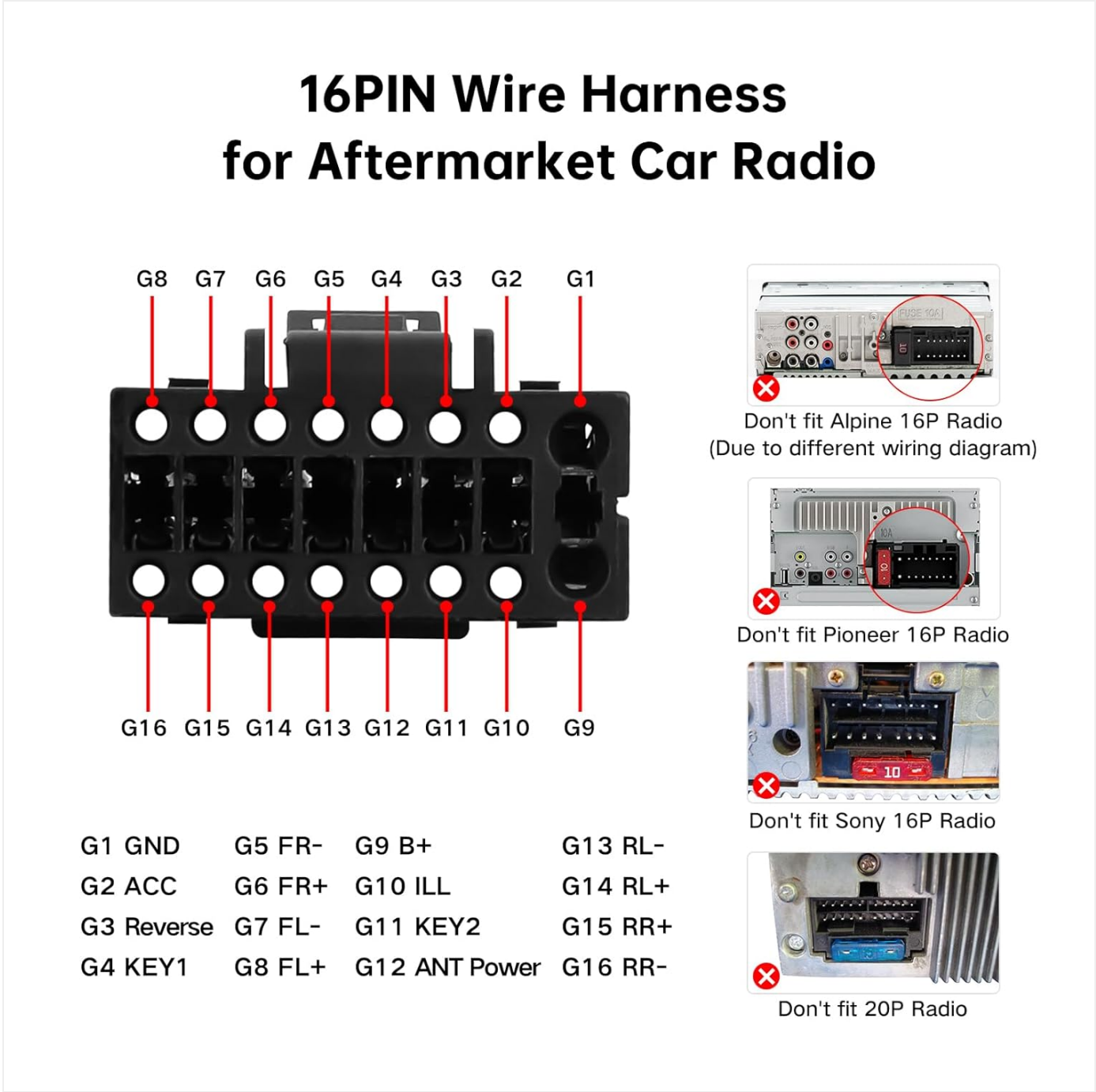

Figure 7: Detailed pinout diagram for the 16-pin wire harness, indicating pin functions and examples of incompatible aftermarket radio connectors (Alpine, Pioneer, Sony, 20-pin).

9. Warranty and Support

ViaBecs offers a 60-day return policy for this product. Additionally, lifetime technical support is available to assist with any installation or compatibility questions you may have.

For support, please contact us through your order details on the platform where the product was purchased. Provide your order number and a detailed description of your issue for prompt assistance.

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