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Mobilistics WH-JK16

Mobilistics WH-JK16 Wire Harness Instruction Manual

For JVC KDR Series Car Radios

1. INTRODUCTION

The Mobilistics WH-JK16 wire harness is designed to simplify the installation of compatible JVC KDR series car radios into your vehicle. This harness provides a direct connection for power and speaker outputs, eliminating the need to cut or splice your vehicle's factory wiring. It features EIA (Electronic Industry Association) color-coded 7-inch leads for straightforward identification and connection.

2. COMPATIBILITY

This wire harness is compatible with the following JVC KDR series car radio models (2016-UP):

- JVC KDR480
- JVC KDR680S
- JVC KDR780B
- JVC KDR88BTS
- JVC KDR888BT
- JVC KDR985BTS
- JVC KDR988BTS

Please verify your specific JVC car radio model number to ensure compatibility before installation.

3. PACKAGE CONTENTS

The Mobilistics WH-JK16 wire harness package includes:

- 1x Mobilistics WH-JK16 Wire Harness with color-coded leads
- Instruction sheet with wiring descriptions

4. SAFETY INFORMATION

Always prioritize safety when working with vehicle electronics. Incorrect wiring can cause damage to your vehicle's electrical system, the car radio, or the harness itself. If you are unsure about any step, consult a professional car audio installer.

- Disconnect the vehicle's negative battery terminal before beginning any electrical work to prevent short circuits.
- Ensure all connections are secure and properly insulated to prevent electrical shorts.
- Do not exceed the recommended power ratings for your vehicle's electrical system or the car radio.

5. SETUP AND INSTALLATION

Follow these steps to install the Mobilistics WH-JK16 wire harness with your JVC car radio:

1. **Prepare the Vehicle:** Disconnect the negative terminal of your vehicle's battery. Remove the factory car radio from the dashboard, following your vehicle's specific instructions.
2. **Identify Factory Wiring:** Locate the factory wiring harness connector that was previously connected to your old car radio.
3. **Connect Harness to Radio:** Plug the Mobilistics WH-JK16 harness directly into the back of your new JVC KDR series car radio. Ensure a firm and secure connection.
4. **Match Wires:** Carefully match the color-coded wires of the Mobilistics WH-JK16 harness to the corresponding wires on your vehicle's factory wiring harness. Use the table below as a general guide. Note that vehicle wiring colors can vary, so always cross-reference with your vehicle's specific wiring diagram if available.



Image 1: Mobilistics WH-JK16 Wire Harness. This image shows the wire harness with its multi-pin connector on one end and individual color-coded wires on the other, ready for connection.

Wiring Color Code Guide (EIA Standard)

| Wire Color | Function | Description |
|-----------------------|--------------------------------|--|
| Yellow | Constant 12V (+) | Provides constant power to the radio for memory retention (presets, clock). |
| Red | Switched 12V (+) | Provides power to the radio when the ignition is on or in accessory mode. |
| Black | Ground (-) | Connects to the vehicle's chassis ground. Essential for proper operation. |
| Blue | Power Antenna / Remote Turn-On | Activates power antenna or external amplifier when the radio is on. |
| Orange / White Stripe | Illumination / Dimmer | Connects to vehicle's illumination circuit to dim radio display with headlights. |
| White | Front Left Speaker (+) | Positive terminal for the front left speaker. |
| White / Black Stripe | Front Left Speaker (-) | Negative terminal for the front left speaker. |
| Gray | Front Right Speaker (+) | Positive terminal for the front right speaker. |
| Gray / Black Stripe | Front Right Speaker (-) | Negative terminal for the front right speaker. |
| Green | Rear Left Speaker (+) | Positive terminal for the rear left speaker. |
| Green / Black Stripe | Rear Left Speaker (-) | Negative terminal for the rear left speaker. |
| Violet | Rear Right Speaker (+) | Positive terminal for the rear right speaker. |
| Violet / Black Stripe | Rear Right Speaker (-) | Negative terminal for the rear right speaker. |

Important: Ensure all connections are made securely, either by soldering and heat-shrinking or using high-quality crimp connectors. Avoid twisting wires together and taping them, as this can lead to unreliable connections and potential electrical issues.

- 5. Test Connections:** Before fully reassembling the dashboard, reconnect the vehicle's negative battery terminal. Turn on the ignition and test the car radio's functionality (power, sound from all speakers, radio presets, etc.).
- 6. Secure Wiring and Reassemble:** Once all functions are verified, carefully route and secure the wiring to prevent pinching or damage. Reinstall the car radio and reassemble the dashboard components.

6. OPERATION

The Mobilistics WH-JK16 wire harness facilitates the electrical connection between your JVC car radio and your vehicle. Once installed correctly, the operation of your car radio will follow its manufacturer's instructions. The harness itself does not require any specific operational steps beyond ensuring secure connections.

7. MAINTENANCE

The Mobilistics WH-JK16 wire harness is designed for long-term reliability and typically requires no routine maintenance. However, it is good practice to:

- Periodically check for any loose connections if you experience intermittent issues with your car radio.
- Ensure the wiring is not exposed to excessive heat, moisture, or physical abrasion.

8. TROUBLESHOOTING

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

- **No Power to Radio:**
 - Check the vehicle's fuse box for blown fuses related to the radio or accessory power.
 - Verify that the yellow (constant 12V) and red (switched 12V) wires are correctly connected and receiving power. Use a multimeter to test for voltage.
 - Ensure the black (ground) wire has a solid connection to the vehicle's chassis.
- **No Sound from Speakers:**
 - Confirm that all speaker wires (positive and negative for each channel) are correctly matched and securely connected.
 - Check the radio's fader and balance settings.
 - Ensure the radio's volume is turned up and not muted.
- **Radio Loses Memory/Presets:**
 - Verify that the yellow (constant 12V) wire is correctly connected and receiving continuous power, even when the ignition is off.
- **Intermittent Operation:**
 - Inspect all connections for looseness or poor insulation. Re-crimp or re-solder any questionable connections.

If problems persist, consult your JVC car radio's instruction manual or contact Mobilistics customer support.

9. SPECIFICATIONS

- **Model:** WH-JK16
- **Part Number:** WH-JK16
- **Material:** Lead (referring to the wire material/composition)
- **Item Dimensions (L x W x H):** 7 x 2 x 1 inches
- **Item Weight:** 2 Ounces
- **UPC:** 643548008512
- **GTIN:** 643548008512

10. WARRANTY AND SUPPORT

The Mobilistics WH-JK16 wire harness comes with a one-year warranty from the date of purchase. For technical assistance, warranty claims, or any questions regarding your product, please contact Mobilistics customer support.

Customer Support: Please refer to the contact information provided with your purchase or visit the official Mobilistics website for their 800 helpline number.

