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YONGJIANGXIA KEN22-21

YONGJIANGXIA 22-Pin Wire Harness Instruction Manual

Model: KEN22-21

Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of the YONGJIANGXIA 22-Pin Wire Harness. This replacement harness is designed for specific Kenwood car stereo models, including DDX512, DNX5120, and DNX512EX. Please read this manual thoroughly before installation to ensure correct and safe usage.

Product Overview

The YONGJIANGXIA 22-Pin Wire Harness is a direct replacement for the original wiring harness in compatible Kenwood car stereos. It features a 16-pin plug for power and speaker connections, utilizing high-quality 18-gauge copper leads for reliable signal transmission. The harness is approximately 6 inches long and is designed for a precise fit.
Key Features:

- 22-Pin connector for Kenwood car stereos.
- 16-Pin plug for power and 4-speaker connections.
- High-quality 18-gauge copper wiring.
- Color-coded wires for easy identification.
- Compatible with Kenwood models: DDX512, DNX5120, DNX512EX.



Figure 1: The YONGJIANGXIA 22-Pin Wire Harness, showing the multi-colored wires and the 22-pin connector.



Figure 2: A close-up view of the 22-pin Molex-type connector, showing the pin configuration.

Setup and Installation

Installation of this wire harness requires basic knowledge of car audio wiring. If you are unsure about any steps, it is recommended to seek professional installation to prevent damage to your vehicle or stereo system.

1. **Safety First:** Disconnect the vehicle's negative battery terminal before beginning any electrical work to prevent short circuits or electrical shock.
2. **Access Stereo:** Carefully remove your Kenwood car stereo from the dashboard to access its rear connections. Refer to your vehicle's service manual for specific removal instructions.
3. **Identify Original Harness:** Locate the existing 22-pin wiring harness connected to the back of your Kenwood stereo.
4. **Disconnect Original Harness:** Gently unplug the old harness from the stereo.
5. **Connect New Harness:** Align the YONGJIANGXIA 22-pin wire harness connector with the corresponding port on the back of your Kenwood stereo. Push firmly until it clicks into place.
6. **Wire Connections:** The new harness features color-coded wires. Connect these wires to your vehicle's wiring system according to standard car audio wiring color codes. Common connections include:
    - Yellow: Constant 12V (Battery)
    - Red: Switched 12V (Accessory)
    - Black: Ground
    - Blue: Power Antenna / Remote Turn-On
    - Speaker Wires (e.g., White/White-Black for Front Left, Gray/Gray-Black for Front Right, Green/Green-Black for Rear Left, Purple/Purple-Black for Rear Right)

    Note: *Always refer to your Kenwood stereo's specific wiring diagram and your vehicle's wiring diagram for accurate connections.*
7. **Secure Connections:** Ensure all wire connections are secure, either by soldering and heat-shrinking, or using high-quality crimp connectors.
8. **Test System:** Before fully reassembling the dashboard, reconnect the vehicle's negative battery terminal and test the stereo's functionality (power, sound from all speakers, radio, etc.).
9. **Reassemble:** Once confirmed working, carefully reassemble your dashboard.

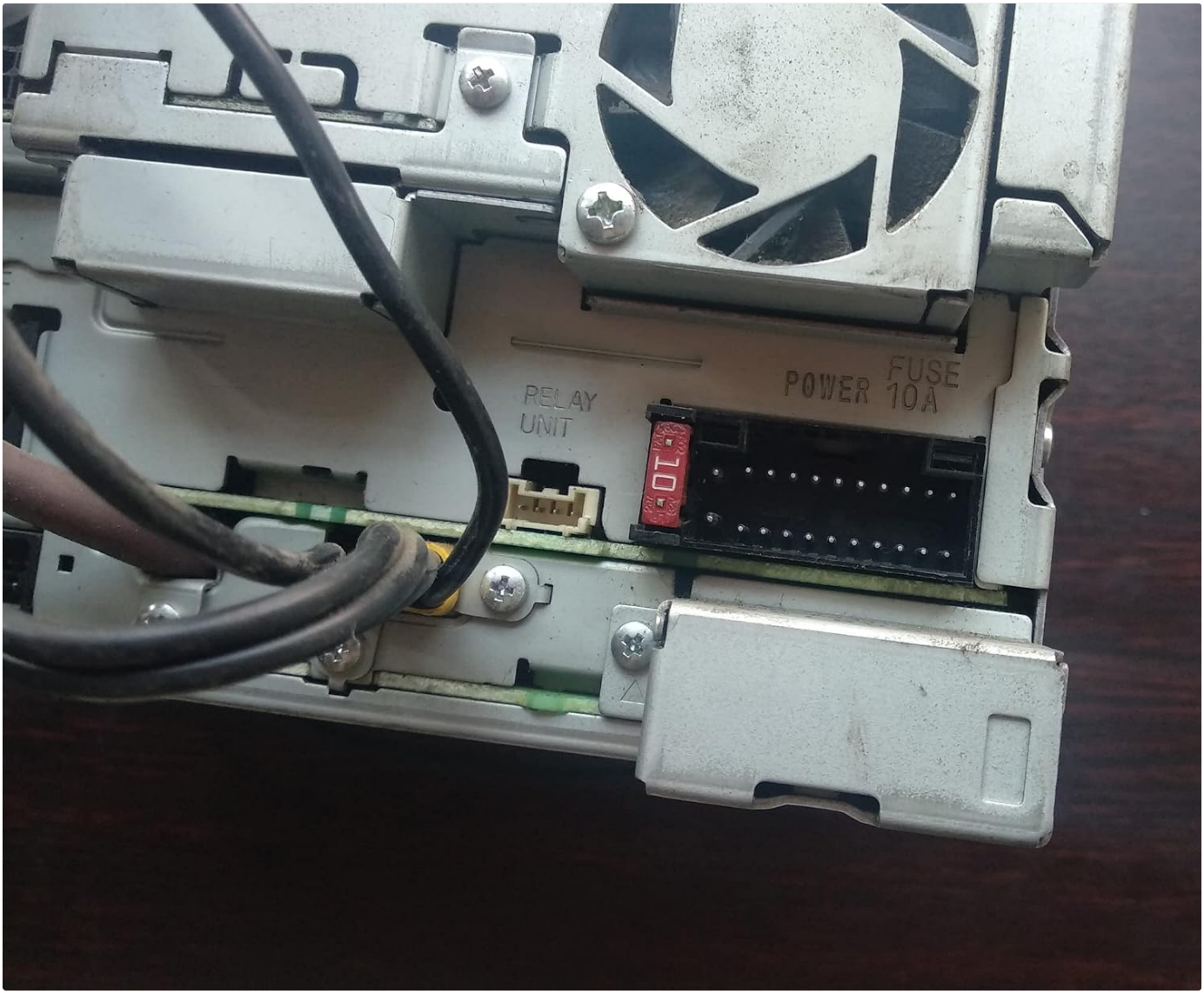


Figure 3: A close-up of the 22-pin power and speaker port on the rear of a Kenwood car stereo, showing where the harness connects. Note the integrated fuse.

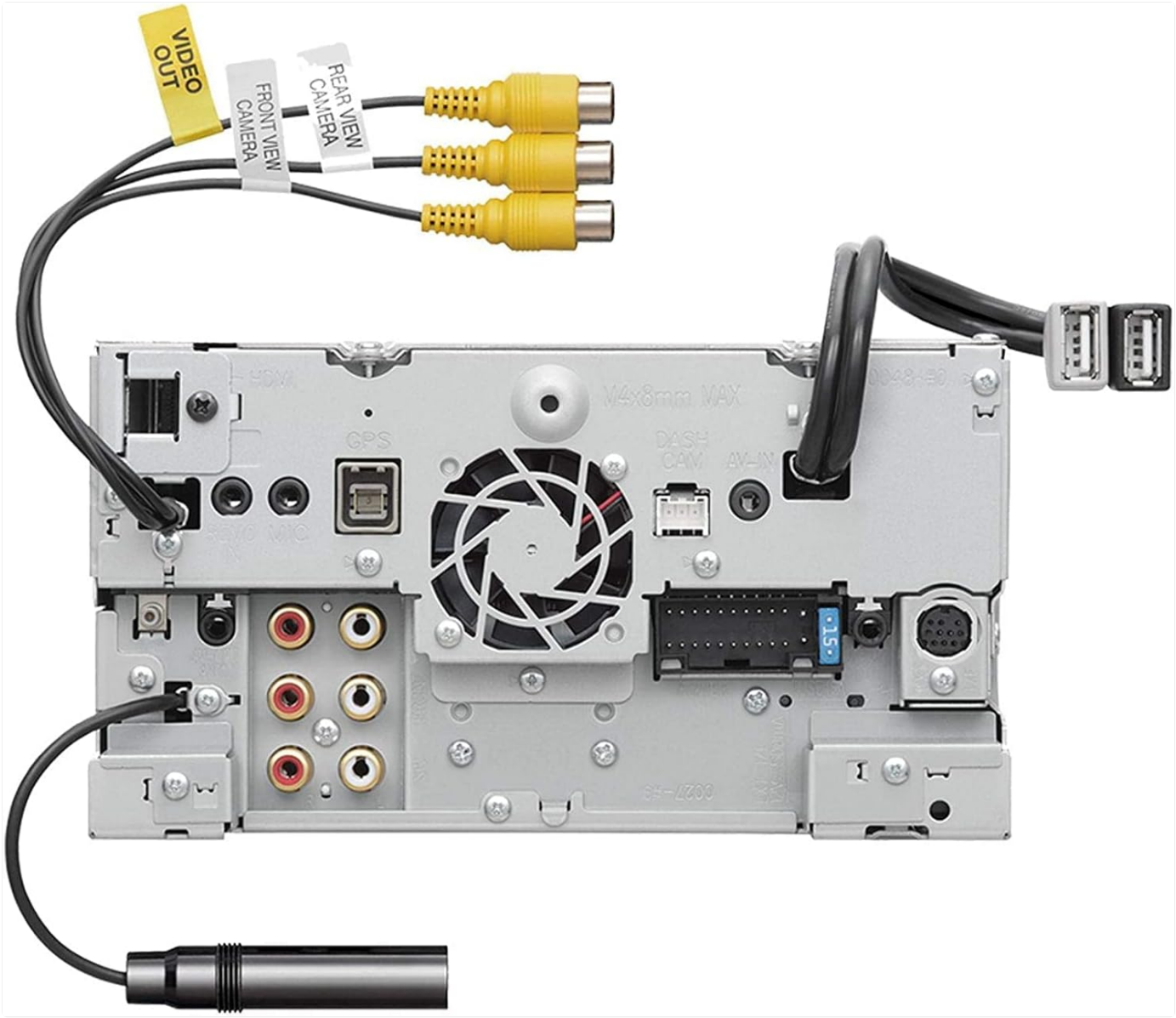


Figure 4: The rear panel of a Kenwood car stereo, illustrating various input/output ports. The 22-pin harness connects to the main power/speaker port, typically located near the center or side of the unit.

Operating Instructions

The YONGJIANGXIA 22-Pin Wire Harness is a passive component designed to facilitate the connection between your Kenwood car stereo and your vehicle's electrical system. Once correctly installed, it enables the stereo to receive power and transmit audio signals to the speakers. There are no specific "operating" steps for the harness itself beyond its proper installation.
For instructions on how to operate your Kenwood car stereo (e.g., tuning radio, playing media, adjusting settings), please refer to the owner's manual provided with your specific Kenwood DDX512, DNX5120, or DNX512EX unit.

Maintenance

The wire harness requires minimal maintenance. To ensure its longevity and proper function:

- **Keep Dry:** Ensure the harness and its connections remain dry and free from moisture.
- **Avoid Physical Damage:** Protect the wires from pinching, cutting, or excessive pulling during and after installation.
- **Secure Connections:** Periodically check that all connections are secure and free from corrosion, especially if you experience intermittent issues.
- **Cleanliness:** Keep the area around the stereo and harness free from dust and debris.

Troubleshooting

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

- **No Power to Stereo:**
  - Check the vehicle's fuse box for blown fuses related to the stereo or accessory power.
  - Verify that the yellow (constant 12V) and red (switched 12V) wires are correctly connected and receiving power.
  - Ensure the black (ground) wire has a solid connection to the vehicle's chassis.
  - Confirm the 22-pin connector is fully seated in the stereo's port.
- **No Sound from Speakers:**
  - Check all speaker wire connections for continuity and correct polarity.
  - Ensure the stereo's fader and balance settings are centered.
  - Verify that the stereo's amplifier is turning on (if applicable, check remote turn-on wire).
  - Test with a known working speaker if possible.
- **Intermittent Power/Sound:**
  - Inspect all wire connections for looseness or corrosion.
  - Check for any pinched or damaged wires within the harness or vehicle.
- **Incorrect Functionality (e.g., memory loss, no illumination):**
  - Double-check the yellow (constant) and red (switched) wire connections. Swapping these can cause memory loss or prevent the stereo from turning off with the ignition.

If troubleshooting steps do not resolve the issue, consult a professional car audio technician.

Specifications

Feature	Detail
Brand	YONGJIANGXIA
Model Number	KEN22-21
Compatible Kenwood Models	DDX512, DNX5120, DNX512EX
Connector Type	Molex (22-Pin)
Plug Type	16P (Power/4-Speaker)
Material	OFC (Oxygen-Free Copper) / PVC (Jacket)
Wire Gauge	18 Gauge
Wire Diameter	1.02 Millimeters
Length	Approximately 6 Inches
Item Weight	0.1 Kilograms (approx. 3.52 ounces)
UPC	717351681139

Warranty Information

Specific warranty details for the YONGJIANGXIA 22-Pin Wire Harness are not provided in this manual. For information regarding warranty coverage, terms, and conditions, please contact the seller or the manufacturer directly at the point of purchase.

Customer Support

If you have questions or require assistance beyond the scope of this manual, please reach out to the retailer from whom you purchased this product. For technical inquiries or further support, you may also attempt to contact the manufacturer, YONGJIANGXIA, through their official channels or the platform where the product was listed.

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