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Aramox Aramoxu26zoxwkhg

Aramox 4 Pin Flat Trailer Wiring Harness Instruction Manual

Model: Aramoxu26zoxwkhg

For 2013-2018 Toyota RAV4 and Avalon Vehicles

1. Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your Aramox 4 Pin Flat Trailer Wiring Harness. This product is designed to provide a standard 4-pin flat connector for towing trailers, integrating seamlessly with your vehicle's existing wiring system.

Key Features:

- **Plug-and-Play Installation:** Designed for easy installation without cutting or splicing existing vehicle wiring.
- **Integrated Converter:** Features a mount technology circuit that generates less heat and provides optimal light brightness for extended working life.
- **Standard 4-Pin Output:** Connects to trailer brake lights, taillights, and turn signals.
- **Durable Dust Cover:** Includes a rubber dust cover to protect the 4-pin connector from environmental factors when not in use.

2. Compatibility

This Aramox 4 Pin Flat Trailer Wiring Harness is specifically designed for the following vehicle models:

- Replacement for Toyota RAV4: 2013-2018 models
- Replacement for Toyota Avalon: 2013-2018 models

Please ensure your vehicle's make, model, and year match the compatibility list before proceeding with installation.

3. Package Contents

Verify that all components are present in your package:

- 3 x Trailer Harness sections (main converter unit, vehicle-side connectors, 4-pin output)
- 8 x Cable Straps
- 1 x Screw
- 4 x Accessories (likely additional connectors or mounting hardware)



Image 3.1: All components of the Aramox 4 Pin Flat Trailer Wiring Harness kit, including the main converter box, vehicle-side connectors, 4-pin output, and accessories.

4. Installation Instructions

The installation of this trailer wiring harness is designed to be plug-and-play. Professional installation is recommended to ensure proper function and safety.

4.1 Preparation

1. Ensure your vehicle is turned off and the parking brake is engaged.
2. Locate the taillight wiring access points on your vehicle. This typically involves removing taillight assemblies or accessing wiring behind interior trim panels in the trunk area. Consult your vehicle's owner's manual for specific access instructions.

4.2 Connecting the Harness

1. Identify the vehicle-side connectors on the Aramox harness. These are designed to match your vehicle's existing taillight wiring sockets.
2. Disconnect the existing wiring from your vehicle's taillight assemblies.
3. Plug the Aramox harness connectors directly into the vehicle's existing sockets. Ensure a secure connection.
4. Connect the corresponding taillight wiring to the other end of the Aramox harness connectors.
5. Route the main converter box and the 4-pin flat output connector to a secure location, typically near the rear bumper or hitch receiver. Use the provided cable straps to secure the wiring and converter box, preventing them from hanging loose or interfering with moving parts.
6. Ensure the 4-pin flat connector is accessible for trailer connection and that its dust cover can be easily applied when not in use.

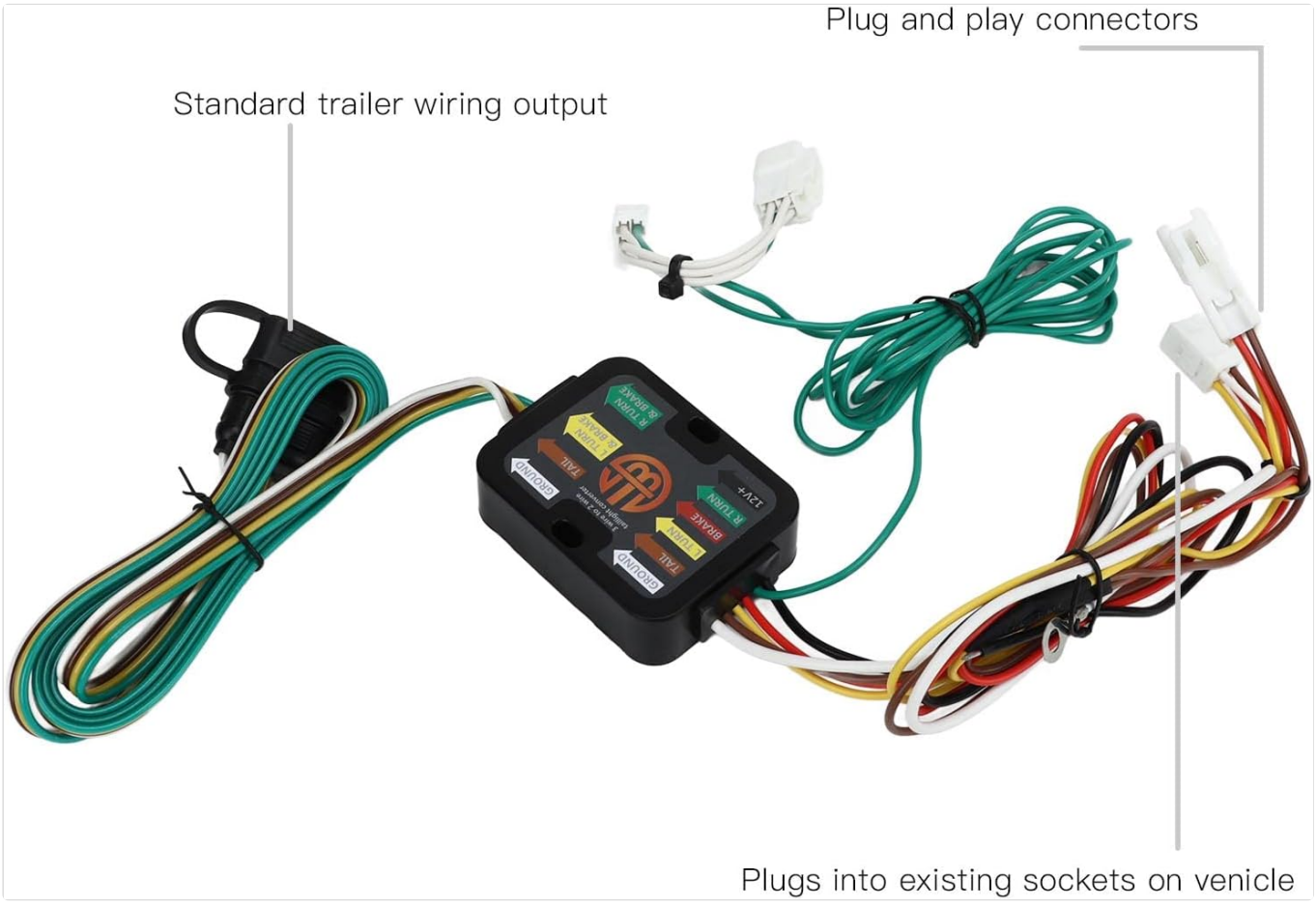


Image 4.1: Visual representation of the harness connections, showing how it plugs into existing vehicle sockets and provides a standard trailer wiring output.



Image 4.2: Example of the harness connectors integrated with the vehicle's taillight wiring.

5. Operation

Once installed, the Aramox 4 Pin Flat Trailer Wiring Harness provides a standard connection for your trailer's lighting system. The integrated converter ensures proper signal separation and power delivery.

5.1 Connecting a Trailer

1. Remove the rubber dust cover from the 4-pin flat connector on the vehicle side.
2. Align the 4-pin flat connector from your trailer with the vehicle's connector.
3. Push the connectors firmly together until they are securely seated.
4. Verify all trailer lights (taillights, brake lights, turn signals) are functioning correctly before driving.

5.2 Disconnecting a Trailer

1. Grasp both the vehicle and trailer connectors firmly.
2. Pull them apart to disconnect. Avoid pulling directly on the wires.
3. Replace the rubber dust cover onto the vehicle's 4-pin flat connector to protect it from dirt and moisture.

6. Maintenance

Proper maintenance ensures the longevity and reliable performance of your wiring harness.

- **Dust Cover:** Always use the provided rubber dust cover on the 4-pin flat connector when it is not connected to a trailer. This protects the terminals from dirt, moisture, and corrosion, which can lead to electrical issues.
- **Regular Inspection:** Periodically inspect the wiring harness for any signs of wear, fraying, or damage. Check connections for tightness and corrosion.
- **Cleaning:** If the connectors become dirty, clean them with a non-conductive electrical contact cleaner. Ensure they are dry before use.



Image 6.1: The 4-pin flat connector with its protective rubber dust cover, essential for preventing corrosion and damage when not in use.

7. Troubleshooting

If you experience issues with your trailer lights after installing the harness, consider the following:

- **No Lights:** Check all connections on both the vehicle and trailer side to ensure they are fully seated. Verify the vehicle's taillights and brake lights are functioning independently of the trailer.
- **Flickering Lights:** This often indicates a loose or corroded connection. Disconnect, inspect, clean, and re-connect all plugs.
- **Incorrect Light Function:** If brake lights activate with turn signals, or other incorrect behavior, double-check that the harness connectors are correctly plugged into the vehicle's corresponding sockets. Ensure no wires are pinched or damaged.
- **Blown Fuse:** Check the vehicle's fuse box for any blown fuses related to taillights or trailer wiring. Replace if necessary.

If problems persist after basic troubleshooting, it is recommended to consult a qualified automotive technician.

8. Specifications

Specification	Detail
Product Type	4 Pin Flat Trailer Wiring Harness
Brand	Aramox
Model Number	Aramoxu26zoxwkhg
Item Weight	1.61 pounds
Package Dimensions	7.24 x 6.38 x 3.11 inches
Manufacturer Part Number	Aramoxu26zoxwkhg
Connector Type	4 Pin Flat (Vehicle Side)
Compatibility	Toyota RAV4 (2013-2018), Toyota Avalon (2013-2018)

9. Warranty and Support

For warranty information or technical support regarding your Aramox 4 Pin Flat Trailer Wiring Harness, please refer to the documentation included with your purchase or contact Aramox customer service directly through their official channels. Keep your purchase receipt as proof of purchase.

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