Strpump SP-CAB-111

Strpump 16-Pin Car Radio Power Retrofit Harness User Manual

Model: SP-CAB-111

1. Introduction

This manual provides instructions for the installation and use of the Strpump 16-Pin Car Radio Power Retrofit Harness, Model SP-CAB-111. This harness is designed to facilitate the installation of an aftermarket car radio in specific Mitsubishi vehicles equipped with a factory Rockford Amplifier and OEM rearview camera.

1.1 Product Overview

The Strpump 16-Pin Power Retrofit Harness is a plug-and-play solution for integrating an aftermarket car stereo into compatible Mitsubishi vehicles. It ensures proper power, audio, and control signal connections without requiring modification to the vehicle's original wiring.



Figure 1: Complete Strpump 16-Pin Power Retrofit Harness. This image provides an overall view of the harness, including the main wiring bundle, RCA connectors for audio/video, a USB extension cable, an antenna adapter, and the integrated CAN bus decoder module.

1.2 What's in the Box

- 1 x Strpump 16-Pin Power Retrofit Harness (Model: SP-CAB-111)

2. Compatibility

This harness is specifically designed for the following vehicles:

- Mitsubishi Lancer EX (2014-2020)
- Mitsubishi Pajero (2014-2020)
- Mitsubishi Outlander (2014-2020)

Important: This harness is compatible only with vehicles equipped with a **Factory Rockford Amplifier** and an **OEM Rearview Camera** (High Trim Version). It is designed for aftermarket radios that feature a standard 16-pin power socket. It is **not compatible** with Pioneer, Sony, or Kenwood brand radios.



Figure 2: Vehicle Compatibility Reference. This image shows the harness alongside a Mitsubishi car radio display and the rear of a car radio unit. It highlights the importance of verifying car connectors for models like Mitsubishi Lancer EX, Pajero, and Outlander (2014-2017) equipped with a factory Rockford Amplifier and OEM rearview camera.

3. Installation Instructions

Before beginning installation, ensure the vehicle's battery is disconnected to prevent electrical damage.

1. **Verify Connectors:** Carefully compare the connectors on the Strpump harness with the existing wiring harness in your vehicle. Ensure all connectors match before proceeding.



Figure 3: Detailed View of Vehicle-Side Connectors. A close-up of the harness highlighting six distinct vehicle-side connectors (labeled 1 through 6). These connectors are designed to interface with the car's original wiring system. Users should verify these match their vehicle's ports.

2. **Connect to Aftermarket Radio:** Locate the 16-pin power socket on the back of your aftermarket car radio. Connect the corresponding 16-pin connector from the Strpump harness firmly into this socket.

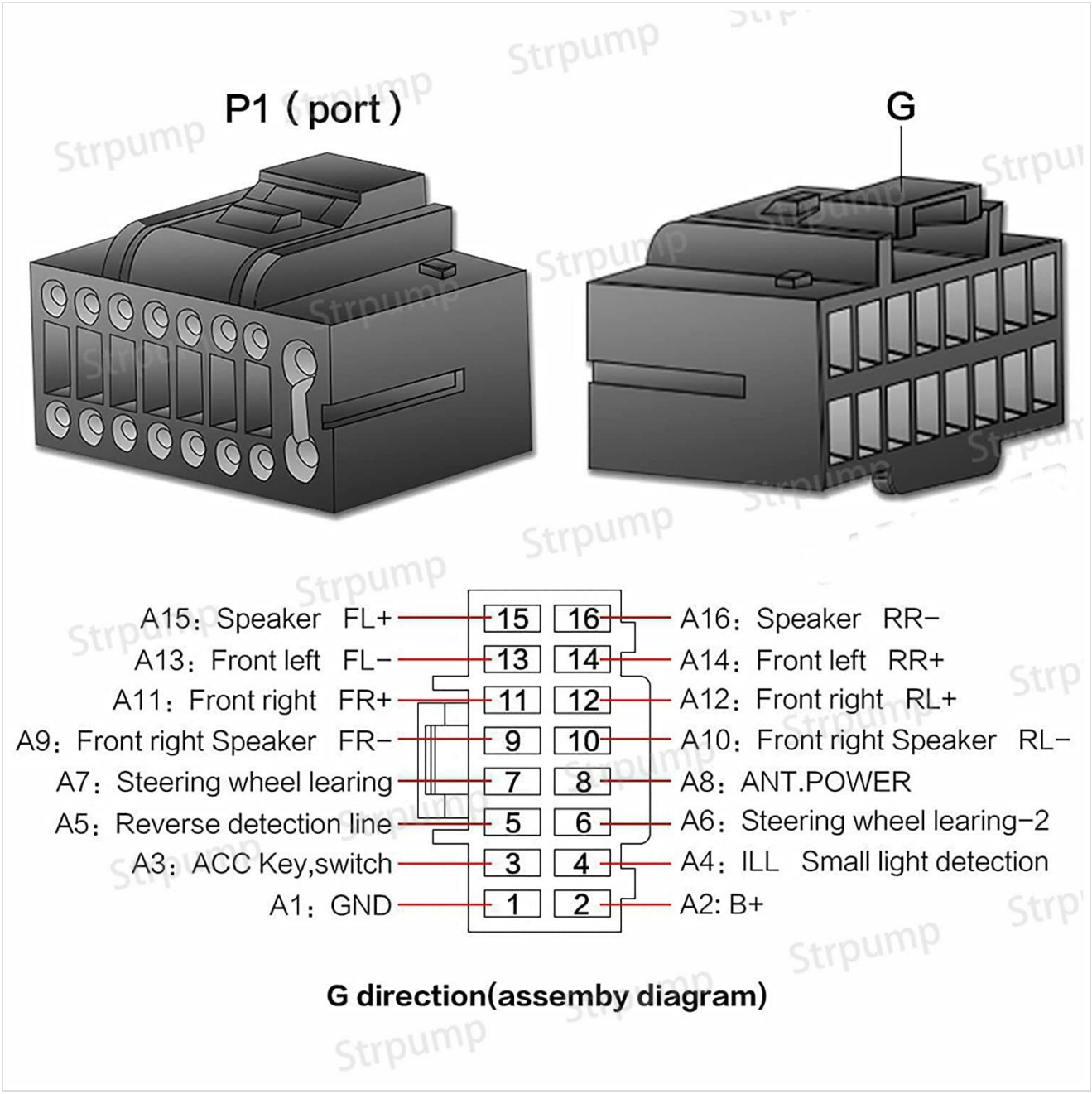


Figure 4: Aftermarket Radio 16-Pin Socket and Pinout Diagram. This image illustrates the rear panel of a typical aftermarket car radio, with a red arrow pointing to the required 16-pin power socket. Below, a detailed diagram outlines the pin assignments for the 16-pin socket, covering power supply, ground, ACC, and various audio lines, which is essential for correct wiring and connection.

3. **Connect to Vehicle:** Connect the vehicle-specific connectors from the Strpump harness to the corresponding ports in your Mitsubishi vehicle. These are designed for a "plug and play" installation, meaning no cutting or splicing of original car harness wires is required.
4. **Connect RCA and Other Wires:** Connect any necessary RCA cables (for audio output, subwoofer, etc.), the rearview camera input, and amplifier control wires as required by your aftermarket radio and vehicle setup.
5. **Reconnect Battery:** Once all connections are secure, reconnect the vehicle's battery.

4. Operation

After installation, perform the following steps to ensure proper functionality:

1. **CAN Bus Protocol Selection:** Turn on your aftermarket radio. Access the radio's factory settings menu. You will need to select the appropriate CAN bus car protocol for your Mitsubishi vehicle. Refer to your aftermarket radio's manual for specific instructions on accessing and setting CAN bus protocols.
2. **Test Functionality:** Test all functions of your new car radio, including audio playback, radio reception, rearview camera display, and steering wheel controls (if applicable and supported by your radio).

5. Maintenance

The Strpump 16-Pin Power Retrofit Harness requires minimal maintenance. Ensure all connections remain secure and free from moisture or excessive vibration. Periodically check for any loose connections if issues arise.

6. Troubleshooting

- **No Sound or Intermittent Sound:**
  - Verify that the AMP (amplifier) control wire from the harness is correctly connected to the aftermarket radio's amplifier remote turn-on output.
  - Ensure the CAN bus protocol is correctly selected in your radio's factory settings. Incorrect settings can lead to audio issues.
  - Check all audio RCA connections for secure fitment.
- **Radio Does Not Power On:**
  - Confirm the 16-pin power connector is fully seated in the aftermarket radio.
  - Check the vehicle's fuse box for any blown fuses related to the radio or accessory power.
  - Ensure the vehicle's battery is properly reconnected and charged.
- **Rearview Camera Not Displaying:**
  - Verify the rearview camera input RCA cable is correctly connected to the aftermarket radio.
  - Ensure the reverse trigger wire (if applicable) is properly connected and signaling the radio when the vehicle is in reverse.
- **General Malfunction:**
  - Double-check all harness connections to both the radio and the vehicle.
  - Confirm that your aftermarket radio is compatible with a 16-pin power socket and is not a Pioneer, Sony, or Kenwood unit.

7. Specifications

Model Number	SP-CAB-111
Brand	Strpump
Material	Copper, Plastic
Product Dimensions (L x W x H)	5.91 x 3.94 x 0.79 inches
Item Weight	6.7 ounces
Connector Type	Proprietary 16-pin to vehicle-specific connectors
Wire Diameter	1.02 Millimeters

8. Warranty Information

Specific warranty details for the Strpump 16-Pin Power Retrofit Harness are provided by the seller at the time of purchase. Please retain your proof of purchase for any warranty claims. For detailed warranty terms and conditions, please contact the seller directly.

9. Customer Support

For technical assistance, installation questions, or troubleshooting support, please contact your retailer or the Strpump customer service department. Contact information can typically be found on the product packaging or the seller's website.

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Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question