

PAC APH-FD02

PAC APH-FD02 Speaker Connection Harness User Manual

Model: APH-FD02 | Brand: PAC

1. OVERVIEW

The PAC APH-FD02 Speaker Connection Harness is an essential accessory designed to simplify the integration of aftermarket audio components, such as amplifiers or digital signal processors (DSPs), into select Ford vehicles equipped with a factory B&O amplified audio system. This harness provides a plug-and-play solution, allowing you to tap into the factory speaker wiring without the need for cutting or splicing, preserving the integrity of your vehicle's original wiring harness. It facilitates a clean and reversible installation, making audio upgrades more accessible and less intrusive.

2. SAFETY INFORMATION

Please read and understand all instructions before beginning installation. Improper installation can lead to vehicle damage, electrical issues, or personal injury. Always prioritize safety.

- Disconnect the vehicle's negative battery terminal before starting any electrical work to prevent short circuits and damage.
- Ensure all connections are secure and properly insulated to avoid electrical shorts.
- Do not force connectors. If a connector does not fit, re-check the harness and vehicle's port for compatibility.
- If you are unsure about any part of the installation process, consult a qualified professional installer.
- Keep the harness away from moving parts, heat sources, and sharp edges.

3. PACKAGE CONTENTS

Verify that all items are present before beginning installation:

- PAC APH-FD02 Speaker Connection Harness (18 inches)
- Installation Instructions / Wiring Diagram



Image: The PAC APH-FD02 Speaker Connection Harness, as typically found in its retail packaging. The harness features multiple color-coded wires and two main connectors, designed for plug-and-play integration.

4. SETUP AND INSTALLATION

4.1. Before You Begin

- Gather necessary tools: wire strippers/crimpers (if connecting to aftermarket components), electrical tape or heat shrink, zip ties, and a trim panel removal tool.
- Identify the location of your vehicle's factory B&O amplifier. This is typically found under a seat, behind a trim panel, or in the trunk. Consult your vehicle's service manual if unsure.
- Ensure the vehicle is turned off and the negative battery terminal is disconnected.

4.2. Installation Steps

1. **Access the Factory Amplifier:** Carefully remove any trim panels or seats necessary to gain access to the factory B&O amplifier.
2. **Disconnect Factory Harness:** Locate the main speaker output harness connected to the factory amplifier. Carefully disconnect it.
3. **Connect APH-FD02:** Plug one end of the APH-FD02 harness into the now-empty port on the factory amplifier. Plug the factory harness you just disconnected into the corresponding connector on the APH-FD02 harness. This creates a pass-through connection.
4. **Connect Aftermarket Components:** The remaining wires on the APH-FD02 harness are designed to connect to your aftermarket amplifier or DSP. Refer to the included wiring diagram for specific wire functions (e.g., front left positive, front right negative, etc.). Connect these wires to the high-level inputs of your aftermarket amplifier or to your DSP.
5. **Secure Wiring:** Route and secure all wiring using zip ties to prevent rattles or damage. Ensure wires

are not pinched or exposed to sharp edges.

6. **Reconnect Battery and Test:** Reconnect the vehicle's negative battery terminal. Turn on the vehicle and test the audio system thoroughly. Verify that all speakers are functioning correctly and that the aftermarket components are receiving and processing the signal as intended.
7. **Reassemble:** Once testing is complete and satisfactory, reassemble any removed trim panels or seats.

4.3. Important Notes on Compatibility and Modifications

- While the APH-FD02 is designed for select Ford vehicles with B&O systems, some specific models (e.g., certain years of Ford Maverick or Ranger) may require minor modifications to the harness connectors (e.g., trimming a small offset) for a perfect physical fit, even if the pin assignments are correct.
- The included instructions may reference older model years (e.g., 2018-2019 Fords). Always cross-reference pin assignments with up-to-date vehicle-specific wiring diagrams available online or from professional resources to ensure accurate connections for your specific vehicle year and model.
- This harness bypasses the factory amplifier's output stage. If your aftermarket amplifier or DSP does not have equalization capabilities, you may be limited to the factory DSP settings, which could affect sound quality. Consider a DSP with flat signal restoration if this is a concern.



Image: A close-up view of the PAC APH-FD02 harness, showing its various wires and connectors. This harness is designed to interface directly with the vehicle's factory wiring.

5. OPERATION

The PAC APH-FD02 is a passive speaker connection harness. Once correctly installed, it functions by providing a clean, unamplified signal path from your vehicle's factory audio system to your aftermarket amplifier or DSP, and then returning the amplified signal to the factory speaker wiring. It does not require any user interaction or controls after installation. Its operation is seamless and integrated with your vehicle's audio system.

6. MAINTENANCE

The APH-FD02 harness requires minimal maintenance. Once installed, ensure that all connections remain secure and free from moisture or excessive vibration. Periodically check the wiring for any signs of wear or damage, especially if the vehicle undergoes significant modifications or repairs. Keep the area around the harness clean and free of debris.

7. TROUBLESHOOTING

If you encounter issues after installing the APH-FD02 harness, consider the following troubleshooting steps:

- **No Sound or Distorted Sound:**
 - Verify all connections are secure and fully seated.
 - Double-check the wiring diagram to ensure correct pin assignments between the APH-FD02 and your aftermarket components.
 - Ensure your aftermarket amplifier or DSP is powered on and configured correctly.
 - Check the vehicle's fuses related to the audio system.
- **Harness Does Not Fit:**
 - Confirm that your vehicle is a compatible Ford model with a B&O amplified system.
 - Inspect the connectors for any small plastic tabs or offsets that might need minor trimming for a perfect fit (as noted in Section 4.3).
 - Ensure you are attempting to connect to the correct factory harness at the amplifier.
- **Intermittent Audio:**
 - Check for loose connections or poorly crimped wires.
 - Ensure the harness is not being pinched or stressed by surrounding components or trim panels.

If problems persist, it is recommended to consult a professional car audio installer or contact PAC technical support for further assistance.

8. SPECIFICATIONS

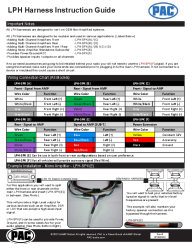
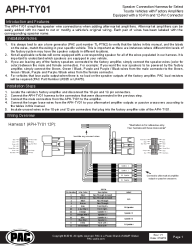
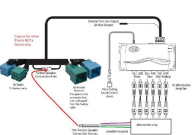
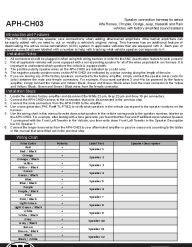
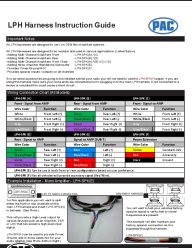
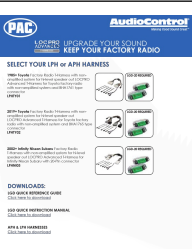
Feature	Specification
Brand	PAC
Model Number	APH-FD02
Material	Copper
Item Dimensions (L x W x H)	10 x 5 x 0.2 inches
Item Weight	0.11 Kilograms (approx. 3.84 ounces)
Connector Type	Metra-style
UPC	609098831376


9. WARRANTY AND SUPPORT


The PAC APH-FD02 Speaker Connection Harness is covered by a manufacturer's warranty against defects in materials and workmanship. For specific warranty terms, duration, and to register your product, please refer to the documentation included with your purchase or visit the official PAC Audio website. For technical support, installation assistance, or warranty claims, please contact PAC Audio customer service directly. Contact information can typically be found on their website or product packaging.

PAC Audio Official Website: <https://pac-audio.com/>

Related Documents - APH-FD02

	<p>PAC LPH Harness Instruction Guide</p> <p>Comprehensive guide to PAC LPH and APH harnesses for integrating aftermarket amplifiers and audio processors into factory car audio systems, detailing wiring connections, applications, and vehicle compatibility for various automotive brands.</p>
	<p>PAC APH-TY01 Speaker Connection Harness for Toyota Vehicles - Installation Guide</p> <p>Detailed installation guide for the PAC APH-TY01 speaker connection harness, designed for select Toyota vehicles with factory amplifiers. Learn how to simplify aftermarket amplifier installation without modifying original wiring.</p>
	<p>PAC APH-CH42 AmpPro Harness Wiring Diagram and Installation Guide</p> <p>Detailed wiring diagrams and instructions for installing the PAC APH-CH42 AmpPro Harness in select 2021-up Chrysler, Dodge, and RAM vehicles, with or without a factory amplifier, to integrate an aftermarket audio system.</p>
	<p>PAC APH-CH03 Speaker Connection Harness for Select Vehicles</p> <p>Detailed guide for the PAC APH-CH03 speaker connection harness, enabling seamless aftermarket amplifier installation in select Alfa Romeo, Chrysler, Dodge, Jeep, Maserati, and Ram vehicles with factory amplified sound systems. Includes installation steps, wiring charts, and technical support.</p>
	<p>PAC LPH Harness Instruction Guide for OEM Non-Amplified Systems</p> <p>This guide provides instructions and wiring details for PAC LPH series harnesses, designed to integrate aftermarket amplifiers with OEM non-amplified car audio systems. It covers various LPH-SPK models and installation examples for mono and multi-channel amplifiers.</p>
	<p>PAC L.O.C. PRO Advanced T-Harnesses and APH Harnesses for Vehicle Audio Integration</p> <p>A comprehensive guide to PAC L.O.C. PRO Advanced T-Harnesses and APH Harnesses, designed to upgrade your vehicle's sound system while retaining the factory radio. This document lists compatible vehicles, part numbers, and provides system examples for seamless audio integration.</p>









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UPGRADE YOUR SOUND KEEP YOUR FACTORY RADIO

SELECT YOUR LPH or APH HARNESS

<p>1181® - Toyota Factory Radio. Enhances with non-amplified system for Blaupunkt speaker and LOCPRO Advanced L Phases for Toyota factory radio with non-amplified system and BIA475 type connector.</p> <p>LPH101</p>	<div style="border: 1px solid black; padding: 10px; text-align: center;">  </div> <div style="border: 1px solid black; padding: 10px; text-align: center;">  </div>
<p>2011+ Toyota Factory Radio. Enhances with non-amplified system for Blaupunkt speaker and LOCPRO Advanced L Phases for Toyota factory radio with non-amplified system and BIA475 type connector.</p> <p>LPH102</p>	<div style="border: 1px solid black; padding: 10px; text-align: center;">  </div> <div style="border: 1px solid black; padding: 10px; text-align: center;">  </div>
<p>2002+ Infinity Nissan Subaru Factory Radio. Enhances with non-amplified system for Blaupunkt speaker and LOCPRO Advanced L Phases for Infinity Nissan Subaru with 20pin connector.</p> <p>LPH103</p>	<div style="border: 1px solid black; padding: 10px; text-align: center;">  </div> <div style="border: 1px solid black; padding: 10px; text-align: center;">  </div>

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PAC L.O.C. PRO Advanced T-Harnesses and APH Harnesses for Vehicle Audio Integration

A comprehensive guide to PAC L.O.C. PRO Advanced T-Harnesses and APH Harnesses, designed to upgrade your vehicle's sound system while retaining the factory radio. This document lists compatible vehicles, part numbers, and provides system examples for seamless audio integration.

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**UPGRADE YOUR SOUND
KEEP YOUR FACTORY RADIO**



SELECT YOUR LPH OR AMP HARNESS

1988+ Toyota Factory Radio 18harness with non-completed system for Inbetween speaker only LOCPRO Advanced 18harness for Toyota factory radio with non-completed system and BIA6710 Type connector

LPH701




LOC-PRO REQUIRED

2011+ Toyota Factory Radio 18harness with non-completed system for Inbetween speaker only LOCPRO Advanced 18harness for Toyota factory radio with non-completed system and BIA6710 Type connector

LPH702




LOC-PRO REQUIRED

2003+ Infiniti Nissan Subaru Factory Radio 18harness with non-completed system for Inbetween speaker only LOCPRO Advanced 18harness for Infiniti Nissan Subaru with 20Pin connector

LPH703




LOC-PRO REQUIRED

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**UPGRADE YOUR SOUND
KEEP YOUR FACTORY RADIO**

SELECT YOUR LPH or APH HARNESS


1986+ Toyota factory Radio 16harness with non-complified system for Isotant speaker out LOCPRP Advanced 16harness for Toyota factory radio with noncomplified system and B&W1671 type connector

LPH702


2011+ Toyota factory Radio 16harness with non-complified system for Isotant speaker out LOCPRP Advanced 16harness for Toyota factory radio with non-complified system and B&W1671 type connector

LPH702




2002+ Infiniti Nissan Subaru Factory Radio 16harness with non-complified system for Isotant speaker out LOCPRP Advanced 16harness for Isotant Nissan Subaru with 20-Pin connector

LPH603

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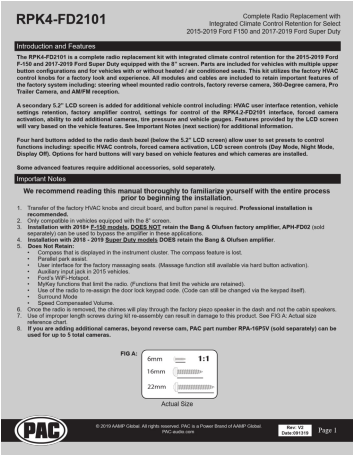
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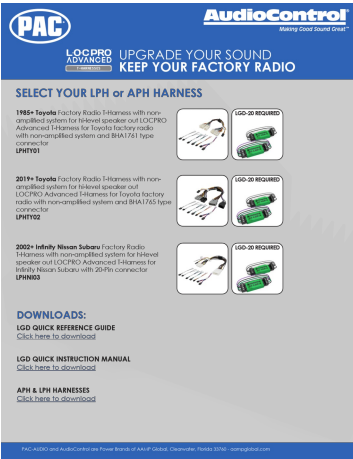


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