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> [Metra](#) /

> [Metra 70-5511 Radio Wiring Harness FD Amp Integration System User Manual](#)

Metra 70-5511

Metra 70-5511 Radio Wiring Harness FD Amp Integration System

USER MANUAL

Introduction

This manual provides instructions for the installation and use of the Metra 70-5511 Radio Wiring Harness. This harness is designed to integrate an aftermarket radio into select Ford vehicles equipped with a factory premium sound system, typically from 1989 to 2000. It facilitates the connection of your new radio while retaining the functionality of the factory amplifier.

Safety Information

Always disconnect the vehicle's battery before performing any electrical work to prevent short circuits and electrical hazards. Ensure all connections are secure and properly insulated to avoid damage to the vehicle's electrical system or the new components. If you are unsure about any step, consult a professional automotive technician.

Included Components

- Power Harness
- Amplifier Integration Plug



Image: The Metra 70-5511 Radio Wiring Harness, showing the power harness and amplifier integration plug components. This harness connects an aftermarket radio to a Ford vehicle's factory wiring, specifically designed for models with premium sound systems.

Setup and Installation

1. **Preparation:** Disconnect the negative terminal of the vehicle's battery. Remove the factory radio from the dashboard.
2. **Identify Vehicle Harness:** Locate the factory radio wiring harnesses in your vehicle. The Metra 70-5511 typically includes a rectangular gray plug and a square black plug designed to connect to these factory harnesses.
3. **Connect to Aftermarket Radio:** Match the wires from the Metra 70-5511 harness to the corresponding wires on your aftermarket radio's harness. Standard color codes are generally used, but always refer to the wiring diagrams provided with both your new radio and the Metra harness for accurate connections.
4. **Secure Connections:** It is recommended to solder and heat-shrink all wire connections for maximum reliability and durability. Alternatively, high-quality crimp connectors can be used. Ensure connections are insulated to prevent short circuits.
5. **Amplifier Integration:** For Ford vehicles with a factory premium sound system and external amplifier, connect the blue/white wire from the Metra harness to the amplifier remote turn-on wire of your aftermarket radio. This wire provides power to activate the factory amplifier.
6. **Connect to Vehicle:** Plug the Metra 70-5511 harness into the vehicle's factory wiring. Ensure both the rectangular gray plug and the square black plug (if applicable to your vehicle's system) are securely seated.
7. **Test System:** Before fully reassembling the dashboard, reconnect the vehicle's battery and test the aftermarket radio's functionality, including all speakers, balance, fade, and other features.

8. **Final Assembly:** Once confirmed operational, secure the aftermarket radio in the dashboard and reassemble any removed trim panels.

Operating

The Metra 70-5511 wiring harness is a passive component that enables the proper electrical connection between your aftermarket radio and the vehicle's existing audio system, including the factory amplifier. Once installed correctly, the operation of your audio system will be controlled entirely by your aftermarket radio unit.

Maintenance

The Metra 70-5511 wiring harness requires no routine maintenance. Periodically, you may wish to inspect the connections for any signs of wear or loosening, especially if you experience intermittent audio issues. Ensure all wiring remains securely insulated and free from damage.

Troubleshooting

- **No Sound from Speakers:**
 - Verify that the blue/white amplifier remote turn-on wire from the Metra harness is correctly connected to the aftermarket radio's amplifier turn-on output. This wire is crucial for activating the factory amplifier.
 - Check all power and ground connections to the aftermarket radio.
- **Only Some Speakers Work:**
 - For certain Ford models (e.g., 1998 Mustang GT with Mach 460 audio), if only some speakers work, try disconnecting the square black connector from the car harness and flipping it 180 degrees before reconnecting. This can correct pin alignment issues.
 - Inspect individual speaker wire connections for proper contact and insulation.
- **Wiring Discrepancies:**
 - If wire colors do not match or if issues persist, consult the wiring diagram for your specific vehicle model and the aftermarket radio. Use a multimeter to test wire functions (e.g., constant power, ignition power, ground, speaker outputs) to ensure correct connections.
 - Some vehicles may require re-pinning of certain wires within the factory connector if the factory pinout differs from the harness standard.

Specifications

Brand	Metra
Model	70-5511
Part Number	70-5511
Item Type Name	Radio Wiring Harness FD Amp Integration System
Included Components	Power Harness, Amplifier Integration Plug
Item Dimensions (L x W x H)	6 x 0.8 x 4.2 inches (approximate package dimensions)

Item Weight	22.68 g
Connector Type	[Generalized] ISO, DIN, or BSW (vehicle-specific wiring)
Cable Type	Vehicle-specific wiring

Warranty and Support

For warranty information and technical support regarding the Metra 70-5511 Radio Wiring Harness, please contact the manufacturer directly. Refer to the packaging or Metra's official website for current contact details and warranty terms.