

## RECOIL PCK8

# RECOIL PCK8 True 8 Gauge Amplifier Wiring Kit User Manual

Model: PCK8 | Brand: RECOIL

## INTRODUCTION

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This manual provides comprehensive instructions for the installation, operation, and maintenance of your RECOIL PCK8 True 8 Gauge Amplifier Wiring Kit. This kit is designed to provide reliable power and signal connections for car audio amplifier and subwoofer installations, utilizing 99.99% Oxygen Free Copper (OFC) for optimal performance.

## SAFETY INFORMATION

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Always prioritize safety during installation. Improper wiring can lead to electrical shorts, damage to your vehicle's electrical system, or personal injury. If you are unsure about any step, consult a professional car audio installer.

- Disconnect the vehicle's negative battery terminal before beginning any electrical work.
- Wear appropriate safety gear, including eye protection and gloves.
- Ensure all connections are secure and properly insulated to prevent short circuits.
- Route cables away from moving parts, sharp edges, and heat sources.
- Use the provided fuse holder and fuse to protect your amplifier and vehicle's electrical system.

## PACKAGE CONTENTS

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The RECOIL PCK8 kit includes the following components:

- 17ft (5.18 meters) OFC 2-channel dual twisted-pair construction RCA interconnect cable with black nylon wire loom and satin chrome tips.
- 17ft (5.18 meters) Premium True-spec 8 Gauge OFC red power wire with seamless ring terminal, wrapped in 6ft nylon braiding tubing.
- 3ft (0.91 meters) Premium True-spec 8 Gauge OFC black ground wire with seamless ring terminal.
- 20ft (6.1 meters) OFC 18 Gauge remote turn-on lead wire.

- 30ft (9.14 meters) Premium True-spec 16 Gauge OFC red/black speaker wire.
- One brass Mini-ANL Fuse-holder with 80A mini-ANL fuse.
- One black rubber firewall grommet.
- Two 8 Gauge nickel plated spade terminals with red/black boots.
- Five 16 Gauge spade terminals with red/black boots.
- Four 16 Gauge speaker terminals.
- Two Red 18 Gauge butt connectors.
- 10pcs 6" Black zip ties.
- 1pc M6 screw/washer.



Image: Overview of the RECOIL PCK8 True 8 Gauge Amplifier Wiring Kit components.

## SETUP AND INSTALLATION

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Follow these steps carefully for a proper and safe installation of your amplifier wiring kit.

### 1. Power Wire Installation

1. **Disconnect Battery:** Before starting, disconnect the negative terminal of your vehicle's battery to prevent electrical shorts.
2. **Route Power Wire:** Run the 17ft red 8 Gauge OFC power wire from the battery location through the firewall into the vehicle's cabin. Use the provided black rubber firewall grommet to protect the wire from sharp edges. Ensure the wire is routed away from moving parts and heat sources.
3. **Connect to Battery:** Attach the pre-terminated ring terminal of the power wire to the positive terminal of the vehicle's battery.
4. **Install Fuse Holder:** Install the brass Mini-ANL fuse holder within 18 inches (45 cm) of the battery. Cut the power wire, strip the ends, and securely connect them to the fuse holder. Insert the 80A mini-ANL fuse.
5. **Route to Amplifier:** Continue routing the power wire to the amplifier's mounting location.



- Made of True-spec 99.99% Oxygen-Free Copper
- Pre-terminated with Seamless Ring Terminals

## Ground Wire

Image: The 17ft red 8 Gauge OFC power wire, pre-terminated with a seamless ring terminal and wrapped in nylon braiding.



Image: The brass Mini-ANL fuse holder, designed for 4 or 8 gauge wire, with an 80A fuse for circuit protection.

## 2. Ground Wire Installation

1. **Prepare Ground Point:** Select a clean, unpainted metal surface on the vehicle's chassis near the amplifier. Scrape away any paint or rust to ensure a solid metal-to-metal connection.
2. **Connect Ground Wire:** Attach the pre-terminated ring terminal of the 3ft black 8 Gauge OFC ground wire to the prepared ground point using the provided M6 screw/washer. Ensure a tight and secure connection.
3. **Connect to Amplifier:** Route the ground wire to the amplifier's ground terminal.



- Fits 4 or 8 Gauge Wire
- Solid Brass & Satin-Chrome Plated
- High-temperature Polycarbonate Base and Cover

**Fuse-holder**

Image: The 3ft black 8 Gauge OFC ground wire, pre-terminated with a seamless ring terminal.

### 3. RCA Interconnect Cable Installation

1. **Route RCA Cable:** Run the 17ft 2-channel RCA interconnect cable from your head unit (source unit) to the amplifier location. It is recommended to route RCA cables on the opposite side of the vehicle from power cables to minimize noise interference.
2. **Connect to Head Unit:** Connect the RCA ends to the corresponding pre-out jacks on your head unit.
3. **Connect to Amplifier:** Connect the other RCA ends to the input jacks on your amplifier.



- Made of True-spec 99.99% Oxygen-Free Copper
- Multi-strands Bends and Twists
- Flexible and Durable Jacket

## Speaker Wire

Image: The 17ft OFC 2-channel dual twisted-pair RCA interconnect cable with black nylon wire loom and satin chrome tips.

### 4. Remote Turn-On Wire Installation

1. **Route Remote Wire:** Run the 20ft 18 Gauge remote turn-on lead wire from your head unit to the amplifier location. This wire signals the amplifier to turn on when the head unit is active.
2. **Connect to Head Unit:** Connect one end of the remote wire to the remote output terminal on your head unit.
3. **Connect to Amplifier:** Connect the other end to the remote input terminal on your amplifier.



- Made of True-spec 99.99% Oxygen-Free Copper
- Wrapped in 6ft of Durable Nylon Braided Tubing
- Pre-terminated with Seamless Ring Terminals

## Power Wire

Image: The 20ft 18 Gauge OFC remote turn-on lead wire.

### 5. Speaker Wire Installation

1. **Route Speaker Wire:** Run the 30ft 16 Gauge red/black speaker wire from the amplifier to your speakers or subwoofer. Ensure proper polarity (red to positive, black to negative).
2. **Connect to Amplifier:** Connect the speaker wire to the output terminals of your amplifier. Use the provided 16 Gauge spade terminals or speaker terminals as needed.
3. **Connect to Speakers/Subwoofer:** Connect the other end of the speaker wire to the input terminals of your speakers or subwoofer.



Image: The 30ft 16 Gauge OFC red/black speaker wire.

## 6. Final Steps

1. **Secure Wiring:** Use the provided zip ties to secure all wiring, preventing rattles and ensuring a neat installation.
2. **Double-Check Connections:** Verify all connections are tight, secure, and correctly polarized.
3. **Reconnect Battery:** Reconnect the negative terminal of your vehicle's battery.
4. **Test System:** Turn on your vehicle and head unit to test the amplifier and speakers.

## Installation Video Guide

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Video: An official RECOIL video demonstrating the features and installation process for a premium cable kit. This video provides a visual guide to complement the written instructions.

## OPERATING

This wiring kit provides the necessary connections for your car audio amplifier. The operation of your audio system will depend on the specific amplifier and head unit connected. Ensure all components are properly configured according to their respective manuals for optimal sound performance.

## MAINTENANCE

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Proper maintenance ensures the longevity and performance of your wiring kit:

- **Regular Inspection:** Periodically check all connections for tightness and corrosion. Loose connections can lead to poor performance or overheating.
- **Cable Integrity:** Inspect cables for any signs of wear, fraying, or damage to the insulation. Replace damaged cables immediately.
- **Cleanliness:** Keep the fuse holder and terminals clean and free of dirt or debris.
- **Fuse Replacement:** If the fuse blows, replace it only with a fuse of the same type and rating (80A Mini-ANL). A blown fuse indicates a potential issue that should be investigated.

## TROUBLESHOOTING

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If you encounter issues with your car audio system after installing the wiring kit, consider the following common troubleshooting steps:

Problem	Possible Cause	Solution
Amplifier does not turn on.	Blown fuse, loose power/ground connection, remote wire not connected or faulty.	Check the fuse in the fuse holder and replace if blown. Verify all power, ground, and remote wire connections are secure. Ensure the remote wire is connected to a switched 12V source from the head unit.
No sound from speakers/subwoofer.	Loose RCA connections, incorrect speaker wiring, amplifier settings, head unit settings.	Check RCA cables at both the head unit and amplifier. Verify speaker wire connections and polarity. Ensure amplifier gain and crossover settings are correct. Check head unit audio output settings.
Engine noise or whining sound.	Ground loop, RCA cables routed too close to power cables, poor ground connection.	Ensure RCA cables are routed separately from power cables. Verify the ground wire connection is clean and secure to bare metal. Consider a ground loop isolator if the problem persists.

## SPECIFICATIONS

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Feature	Detail
Brand	RECOIL
Model Name	True 8 Gauge
Model Number	PCK8
Power Wire Gauge	8 Gauge OFC (Oxygen Free Copper)
Power Wire Length	17 ft (5.18 meters)
Ground Wire Gauge	8 Gauge OFC (Oxygen Free Copper)

Feature	Detail
Ground Wire Length	3 ft (0.91 meters)
RCA Cable Type	2-channel dual twisted-pair OFC
RCA Cable Length	17 ft (5.18 meters)
Remote Wire Gauge	18 Gauge OFC
Remote Wire Length	20 ft (6.1 meters)
Speaker Wire Gauge	16 Gauge OFC
Speaker Wire Length	30 ft (9.14 meters)
Fuse Holder Type	Brass Mini-ANL
Fuse Rating	80A Mini-ANL
Conductor Material	99.99% Oxygen Free Copper (OFC)
Maximum Current	80 Amps
Maximum Voltage	12 Volts (DC)
Certifications	IEEE, RoHS, UL

## WARRANTY INFORMATION

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RECOIL products are manufactured to high-quality standards. For specific warranty details, please refer to the warranty card included with your product or visit the official RECOIL website. Keep your purchase receipt as proof of purchase for any warranty claims.

## SUPPORT

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For technical assistance, troubleshooting, or further inquiries, please contact RECOIL customer support through their official website or the retailer where the product was purchased. Please have your model number (PCK8) and purchase details ready when contacting support.