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› KICKER 40PS44 4-Inch PS-Series Powersports Speakers User Manual

KICKER 40PS44

KICKER 40PS44 4-Inch PS-Series Powersports Speakers User Manual

Model: 40PS44

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your KICKER 40PS44 4-Inch PS-Series Powersports Speakers. These high-performance, weatherproof coaxial speakers are designed for various powersports applications, including motorcycles, marine vessels, ATVs, and UTVs. Please read this manual thoroughly before installation and use to ensure proper function and longevity of your speakers.

2. SAFETY INFORMATION

WARNING:

- Always wear appropriate safety gear during installation.
- Disconnect the vehicle's battery before beginning any electrical work to prevent short circuits.
- Ensure all wiring is properly insulated and secured to prevent damage from vibration or moisture.
- Avoid installing speakers in locations that obstruct vehicle operation or safety features.
- This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. Wash hands after handling.

3. PACKAGE CONTENTS

Verify that all items are present in your package:

- Two (2) KICKER 40PS44 4-Inch Powersports Speakers
- Mounting Hardware (screws, clips)
- Instruction Manual (this document)



Image: A pair of KICKER 40PS44 4-inch powersports speakers, showcasing their black grilles and compact design.

4. FEATURES

- **Speaker Size:** 4-inch (100mm) 2-way coaxial design
- **Power Handling:** 50 Watts RMS / 100 Watts Peak
- **Impedance:** 2 Ohms
- **Weatherproof Design:** Suitable for marine, ATV, UTV, and motorcycle applications
- **Tweeter:** 0.75-inch (20mm) Neo-Titanium Dome, bridge-mounted for vibration resistance
- **Woofer:** Durable, lightweight polypropylene cone with inverted surround for maximum excursion
- **Magnet Structure:** Lightweight neodymium magnet for high output and low weight
- **Frequency Response:** 100 Hz - 20 kHz
- **Sensitivity:** 85.8 dB

5. INSTALLATION

5.1 Pre-Installation Checklist

- Ensure the mounting location has sufficient depth and clearance.
- Verify the speaker impedance (2 Ohms) is compatible with your amplifier.
- Gather necessary tools: drill, screwdriver, wire strippers, crimpers, electrical tape, sealant (if required for marine applications).

5.2 Mounting Dimensions

The KICKER 40PS44 speakers require a cutout diameter of 3-5/8 inches (92mm) and a top-mount depth of 1-11/16 inches (43mm). The overall diameter of the speaker grille is approximately 5-1/4 inches (133mm).



Image: A KICKER 40PS44 speaker with measurement lines indicating its overall dimensions, including width and height.

5.3 Wiring Instructions

1. Identify the positive (+) and negative (-) terminals on your speaker and amplifier.
2. Connect the positive (+) wire from the amplifier to the positive (+) terminal on the speaker.
3. Connect the negative (-) wire from the amplifier to the negative (-) terminal on the speaker.
4. Ensure all connections are secure and properly insulated to prevent corrosion and short circuits, especially in powersports environments.



Image: Rear view of a KICKER 40PS44 speaker, showing the speaker terminals and the KICKER logo with model number PS42 (note: image shows PS42, but wiring principles are identical for 40PS44).

5.4 Mounting the Speakers

1. Carefully place the speaker into the prepared cutout.
2. Align the mounting holes on the speaker frame with the pre-drilled holes in the mounting surface.
3. Secure the speaker using the provided screws. Do not overtighten, as this can damage the speaker frame or mounting surface.
4. For marine or outdoor applications, apply a marine-grade sealant around the speaker frame if necessary to ensure a watertight seal.



Image: An angled front view of a single KICKER 40PS44 speaker, highlighting its grille design and mounting points.

6. OPERATING INSTRUCTIONS

Once properly installed and wired, your KICKER 40PS44 speakers are ready for use. Ensure your audio source (e.g., head unit, amplifier) is powered on and configured correctly.

- **Power On:** Turn on your audio system.
- **Volume Control:** Start with the volume at a low level and gradually increase it to your desired listening level.
- **Audio Settings:** Adjust bass, treble, and balance settings on your audio source for optimal sound quality. Avoid excessive bass or treble boost, which can distort sound or damage speakers.
- **Listening Environment:** These speakers are designed for clear audio reproduction in open-air and high-noise environments typical of powersports.

7. MAINTENANCE

To ensure the longevity and performance of your KICKER 40PS44 speakers, follow these maintenance guidelines:

- **Cleaning:** Use a soft, damp cloth to wipe down the speaker grilles and frames. Avoid harsh chemicals or abrasive cleaners.
- **Inspection:** Periodically inspect wiring connections for corrosion or looseness, especially in marine or off-road environments.
- **Protection:** While weatherproof, prolonged exposure to extreme elements (e.g., direct sunlight, heavy rain, saltwater spray) can reduce lifespan. Consider covers when the vehicle is stored.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
No sound from speakers	Power off/disconnected	Check power to amplifier and audio source.
	Loose or incorrect wiring	Verify all speaker wires are securely connected and correctly polarized (+ to +, - to -).
	Amplifier malfunction	Test amplifier with another speaker or audio source.
	Audio source issue	Ensure audio source is playing and volume is up.
Distorted sound	Volume too high	Reduce volume.
	Incorrect amplifier gain settings	Adjust amplifier gain to match head unit output.
	Damaged speaker	Inspect speaker cone for physical damage.
Intermittent sound	Loose wiring connection	Check and secure all wiring connections.
	Corroded terminals	Clean any corroded terminals.

9. SPECIFICATIONS

Feature	Specification
Model Name	40PS44
Speaker Type	Coaxial, Outdoor
Speaker Size	4 Inches (100mm)
Design	2-way
RMS Power Handling	50 Watts
Peak Power Handling	100 Watts
Impedance	2 Ohms
Frequency Response	100 - 20,000 Hz
Sensitivity	85.8 dB
Tweeter Diameter	0.75 Inches (20mm)

Feature	Specification
Tweeter Composition	Neo-Titanium Dome
Woofer Composition	Polypropylene
Woofer Surround	Rubber
Top-Mount Depth	1-11/16 Inches (43mm)
Cutout Dimensions	3-5/8 Inches (92mm)
Product Dimensions (Packaging)	3.13"D x 6.75"W x 14.5"H
Item Weight (per speaker)	0.75 Pounds (12 ounces)
Water Resistance Level	Water Repellent (Is Waterproof: True)
Recommended Uses	Music, Powersports (Marine, ATV, UTV, Motorcycle)
Included Components	40PS44 Speakers (Pair)

10. WARRANTY AND SUPPORT

KICKER provides a full warranty for the 40PS44 Powersports Speakers. For specific warranty terms, duration, and conditions, please refer to the warranty card included with your product or visit the official KICKER website. For technical support, troubleshooting assistance, or warranty claims, please contact KICKER customer service through their official website or authorized dealer network.

Manufacturer: Kicker

Model Number: 40PS44

UPC: 713034065746, 713034065739

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