SELECTION 02085

SELECTION PHONOCAR 02085 6.5-inch Car Woofer

Instruction Manual

Introduction

Thank you for choosing the SELECTION PHONOCAR 02085 6.5-inch Car Woofer. This manual provides essential information for the proper installation, operation, and maintenance of your new car audio speakers. Please read this manual thoroughly before installation and retain it for future reference.

Safety Information

- Always disconnect the vehicle's battery before performing any electrical work to prevent short circuits and electrical shock.
- Ensure all wiring is properly insulated and secured to prevent damage from vibration or contact with sharp edges.
- Do not exceed the recommended power ratings (35W RMS per speaker, 70W RMS per pair, 180W max per pair) to avoid irreparable damage to the woofers.
- Consult a professional car audio installer if you are unsure about any installation steps.
- These woofers are not water-resistant. Avoid exposure to moisture.

Package Contents

The package contains the following items:

- 2 x SELECTION PHONOCAR 02085 6.5-inch Woofers



Image: Retail packaging for the SELECTION PHONOCAR 02085 woofers, showing the product box.

Specifications

Model Number	02085
Speaker Type	Woofer
Speaker Diameter	16.50 cm (6.5 inches)
Cone Material	PP (Polypropylene)
RMS Power (Single)	35 Watts
Max Power (Single)	90 Watts
RMS Power (Pair)	70 Watts
Max Power (Pair)	180 Watts
Impedance	4 Ohm
Sensitivity	91 dB
Frequency Response	70 - 6500 Hz
Total Woofer Diameter	16.70 cm
Installation Hole Diagonal	15.50 cm
Magnet Diameter	8.60 cm
Mounting Depth	5.50 cm
Woofer Weight (Single)	0.700 kg

Connectivity	Wired (Auxiliary)
Recommended Use	Car Audio Systems
Water Resistance	No



Image: Detailed dimensions of the SELECTION PHONOCAR 02085 woofer, including total diameter, magnet diameter, and mounting depth.

Setup and Installation

The SELECTION PHONOCAR 02085 woofers are designed for flush mounting in car doors or other suitable vehicle locations. Follow these steps for proper installation:

1. **Preparation:**
   - Ensure the vehicle's battery is disconnected.
   - Remove the existing speakers or prepare the mounting location in your car door.
   - Verify that the mounting depth (5.50 cm) and diameter (16.70 cm total, 15.50 cm diagonal for holes) are compatible with your vehicle.
2. **Mounting:**
   - Carefully place the woofer into the prepared opening.

- Align the mounting holes on the woofer frame with the screw holes in the vehicle's mounting surface.
- Secure the woofer using appropriate screws (not included) to ensure a tight and vibration-free fit.



Image: Front view of the SELECTION PHONOCAR 02085 woofer, showing the cone and mounting holes.

3. **Wiring:**
   - Connect the positive (+) terminal of the woofer to the positive (+) output of your car radio or amplifier.
   - Connect the negative (-) terminal of the woofer to the negative (-) output of your car radio or amplifier.
   - Ensure all connections are secure and free from short circuits. Use proper crimp connectors or solder connections.



Image: Rear view of the SELECTION PHONOCAR 02085 woofer, highlighting the positive and negative wiring terminals.

4. **Final Check:**
    - Double-check all connections and mounting security.
    - Reconnect the vehicle's battery.

Operating Instructions

These woofers are designed to work with your car's existing or aftermarket car radio. They do not require a separate amplifier for basic operation, but can be used with one.

- **Power On:** Turn on your car radio. The woofers will begin to produce sound as part of your audio system.
- **Volume Control:** Adjust the volume through your car radio. Start with a low volume and gradually increase it to a comfortable listening level.
- **Power Handling:** For optimal results and to prevent damage, it is recommended to apply 35 watts RMS per channel. Do not exceed the maximum recommended power of 90 watts per speaker (180 watts per pair).
- **Sound Adjustment:** Use the equalizer and sound settings on your car radio to fine-tune the audio output to your preference.

Maintenance

Proper maintenance ensures the longevity and performance of your woofers.

- **Cleaning:** Use a soft, dry cloth to gently wipe the speaker cones and frames. Do not use harsh chemicals or abrasive cleaners.

- **Environmental Protection:** As these woofers are not water-resistant, protect them from direct exposure to water, excessive humidity, and extreme temperatures.
- **Connection Check:** Periodically check the wiring connections to ensure they remain secure and free from corrosion.
- **Avoid Overpowering:** Always operate the woofers within their specified power limits to prevent damage.

Troubleshooting

If you encounter issues with your woofers, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No sound from woofers	◦ Loose or incorrect wiring connections. ◦ Car radio not powered on or set to incorrect source. ◦ Woofer damaged.	◦ Check all wiring connections for proper polarity and security. ◦ Ensure car radio is on and outputting audio to the correct channels. ◦ If other solutions fail, consult a professional or contact support.
Distorted or poor sound quality	◦ Overpowering the woofers. ◦ Incorrect audio settings on car radio. ◦ Loose mounting.	◦ Reduce volume or ensure RMS power is within recommended limits. ◦ Adjust equalizer and balance settings on your car radio. ◦ Check mounting screws and ensure woofers are securely fastened.
Intermittent sound	◦ Loose wiring connections. ◦ Faulty cable.	◦ Inspect and secure all wiring connections. ◦ Test with new cables if possible.

Warranty Information

This product comes with a limited warranty. The exact terms and duration of the warranty may vary depending on your region and the retailer from whom you purchased the product. Please retain your proof of purchase for any warranty claims.
For detailed warranty information, please refer to the documentation provided with your purchase or contact your retailer.

Support

If you require further assistance or have questions not covered in this manual, please contact your authorized SELECTION dealer or the retailer where you purchased the product. You may also visit the official SELECTION website for additional resources and contact information.

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