

## Pioneer TS-G170C

# Pioneer TS-G170C 17 cm Separate 2-Way Speaker System

Model: TS-G170C

## INTRODUCTION

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This manual provides comprehensive instructions for the installation, operation, and maintenance of the Pioneer TS-G170C 17 cm Separate 2-Way Speaker System. Please read this manual thoroughly before installation and use to ensure proper setup and optimal performance. Keep this manual for future reference.

## SAFETY INFORMATION

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Observe the following safety precautions to prevent injury or damage to the product and vehicle:

- Always disconnect the vehicle's negative battery terminal before beginning any electrical work to prevent short circuits.
- Ensure all wiring is properly insulated to prevent short circuits and electrical hazards.
- Do not install speakers in locations that obstruct the driver's view or interfere with the operation of airbags or other safety features.
- Use appropriate tools and protective gear during installation.
- Consult a professional installer if you are unsure about any part of the installation process.
- Avoid exposing speakers to excessive moisture or extreme temperatures beyond their operating range.

## PACKAGE CONTENTS

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Verify that all items listed below are included in your package:





Image: The complete Pioneer TS-G170C 2-way speaker system.

## Components



**Woofer:** The main speaker component responsible for reproducing mid-range and bass frequencies. It features an injection-molded polypropylene cone for robust performance.

Image: Pioneer TS-G170C woofer without grille.



**Tweeter:** A smaller speaker component designed to reproduce high-frequency sounds (treble) with clarity.

Image: Pioneer TS-G170C tweeter.

## INSTALLATION

### Before Installation

- Determine the optimal mounting location in your vehicle, typically the front or rear door panels.
- Ensure there is sufficient depth and clearance for the speakers.
- Gather all necessary tools, including screwdrivers, wire strippers, and a drill (if required).
- Disconnect the vehicle's battery before starting any wiring.

### Mounting the Speakers

The TS-G170C speakers are designed for easy integration into various vehicle models. Follow these general steps for mounting:

1. Remove the existing speakers or trim panels from the desired installation location.

2. Position the woofer in the speaker opening. Use the provided mounting screws to secure it firmly.



Image: Woofer with mounting frame, showing screw points.

3. For the tweeters, choose a suitable location that allows for optimal sound dispersion, such as on the dashboard or near the woofer. The tweeters can be flush-mounted or surface-mounted using the included cups.



Image: Tweeter in an angled mounting cup for flexible installation.

4. Connect the speaker wires to the appropriate terminals on the woofer and tweeter, ensuring correct polarity (positive to positive, negative to negative).
5. Secure all wiring to prevent rattling or damage.
6. Reinstall any removed trim panels.

For specific vehicle compatibility and detailed fitting instructions, please refer to the official Pioneer fitting guide online:

### [Pioneer Speaker Fitting Guide \(G-Series\)](#)



Image: Retail box side showing vehicle compatibility and QR code for fitting guide.

## SETUP

Once the speakers are physically installed, connect them to your car's audio system (head unit or amplifier). Ensure all connections are secure and correctly polarized. Incorrect wiring can lead to poor sound quality or damage to the speakers/audio system.

- Connect the positive (+) terminal of the speaker to the positive (+) output of your amplifier/head unit.
- Connect the negative (-) terminal of the speaker to the negative (-) output of your amplifier/head unit.
- For the separate 2-way system, ensure the woofer and tweeter are connected to their respective crossover components (if external crossovers are used, though typically integrated for this model).

## OPERATING

The Pioneer TS-G170C speakers are passive components and do not require direct operation. Their performance is controlled by your car's head unit or external amplifier. After installation, power on your car's audio system and test the sound output.

- Start with the volume low and gradually increase it to a comfortable listening level.
- Adjust the bass, treble, and balance settings on your head unit to optimize sound quality to your preference.
- Avoid playing audio at excessively high volumes for prolonged periods, as this can cause distortion and potential damage to the speakers.

## MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your speakers:

- **Cleaning:** Use a soft, dry cloth to wipe down the speaker grilles and surrounds. Do not use harsh chemicals or abrasive cleaners.
- **Protection:** Avoid direct exposure to sunlight for extended periods, which can degrade speaker materials over time.
- **Environment:** While moisture resistant, avoid direct water exposure or extreme humidity.

## TROUBLESHOOTING

If you encounter issues with your Pioneer TS-G170C speaker system, refer to the table below for common problems and solutions:

Problem	Possible Cause	Solution
No sound from speakers.	Loose or incorrect wiring; Head unit/amplifier off or faulty; Mute function active.	Check all speaker connections and polarity. Ensure head unit/amplifier is powered on and functioning. Disable mute.
Distorted or unclear sound.	Volume too high; Incorrect audio settings; Loose connections; Damaged speaker.	Reduce volume. Adjust bass/treble settings. Check wiring for secure connections. Inspect speaker for physical damage.
Only one speaker working.	Wiring issue to the non-working speaker; Balance setting skewed; Faulty speaker.	Check wiring for the affected speaker. Adjust audio balance settings on head unit. Test with a known good speaker if possible.
Rattling noise.	Loose mounting screws; Speaker vibrating against panel; Loose wires inside door.	Tighten mounting screws. Ensure speaker is securely mounted. Secure any loose wires or components within the door panel.

## SPECIFICATIONS

Technical specifications for the Pioneer TS-G170C 17 cm Separate 2-Way Speaker System:

Feature	Detail
Model Name	TS-G170C
Speaker System Type	Separate 2-Way
Woofer Size	17 cm (6.5 inches)
Maximum Power Output	300 Watts
Nominal Power (RMS)	45 Watts
Frequency Response	36 Hz - 26 kHz

Feature	Detail
Impedance	4 Ohms (Typical for car audio)
Material	Plastic and Metal (Injection-molded polypropylene cone)
Special Features	Moisture Resistant
Product Dimensions (Woofer)	17 x 4.97 x 17 cm (approx.)
Item Weight	1.4 kg (3.09 lbs)
Input Voltage	12 Volts (Vehicle electrical system)
Compatible Devices	Car stereos, multimedia screens, and car navigation systems.



Image: Retail box rear, displaying detailed specifications.

## WARRANTY AND SUPPORT

Pioneer products are manufactured to high quality standards. For information regarding warranty coverage, technical support, or service, please refer to the warranty card included with your product or visit the official Pioneer website. Keep your proof of purchase for warranty claims.

For further assistance, contact Pioneer customer support through their official channels.