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› [PIONEER A-Series Standard TS-A6881F 6" x 8" 4-Way Speakers Instruction Manual](#)

PIONEER TS-A6881F

PIONEER A-Series Standard TS-A6881F 6" x 8" 4-Way Speakers Instruction Manual

Model: TS-A6881F

1. INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your PIONEER A-Series Standard TS-A6881F 6" x 8" 4-Way Speakers. Please read this manual thoroughly before use to ensure optimal performance and longevity of your product. Keep this manual for future reference.

2. SAFETY INFORMATION

Important Safety Precautions:

- Always disconnect the vehicle's battery negative terminal before beginning any electrical work to prevent short circuits and electrical shock.
- Ensure all wiring is properly insulated and secured to prevent damage from vibration or sharp edges.
- Do not install speakers in locations that obstruct the driver's view or interfere with vehicle safety features (e.g., airbags).
- Avoid exposing speakers to excessive moisture or direct water contact, as they are not waterproof.
- Consult a professional installer if you are unsure about any part of the installation process.

Proposition 65 Warning: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- (2) PIONEER TS-A6881F 4-Way Speakers
- (2) Bottom Mount Brackets
- (2) 12" Lengths of Speaker Wire
- (8) Various Mounting Screws
- 1 Year Warranty Sheet

4. SETUP AND INSTALLATION

The PIONEER TS-A6881F speakers are designed for flush mount installation in vehicles. These 6" x 8" coaxial speakers feature a 4-way design for balanced sound reproduction.



Image 1: PIONEER TS-A6881F 6" x 8" 4-Way Speakers. This image displays the pair of oval-shaped speakers with their grilles and central tweeter/midrange components.

4.1 Mounting

1. **Choose Location:** Identify suitable 6" x 8" speaker locations in your vehicle, typically in door panels or rear deck. Ensure adequate depth and clearance for the speaker and its magnet structure.
2. **Prepare Opening:** If replacing existing speakers, remove them. If creating new openings, carefully cut the appropriate size and shape using a template (not included, but often provided with aftermarket speaker kits or found online).
3. **Secure Speakers:** Use the provided mounting screws and bottom mount brackets to firmly secure the speakers in place. Avoid over-tightening to prevent damage.

A SERIES

The standard A Series gives you refreshed sounds quality at a great value.

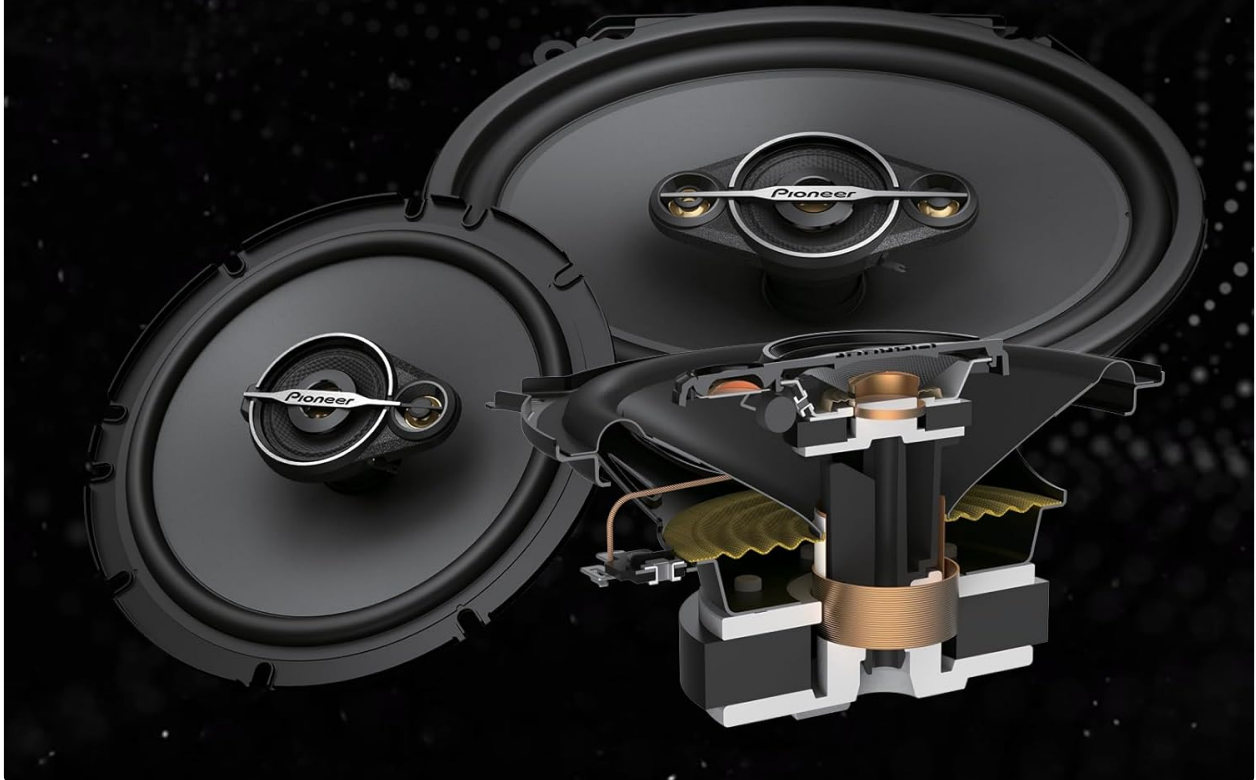


Image 2: PIONEER A-Series Speaker Design. This image illustrates the internal components and layered structure of an A-Series speaker, highlighting its engineering.

4.2 Wiring

The speakers have an impedance of 4 Ohm. Use the provided 12" speaker wire lengths or suitable gauge speaker wire for connection.

1. **Identify Polarity:** Connect the positive (+) terminal of the speaker to the positive (+) output of your car stereo or amplifier. Connect the negative (-) terminal of the speaker to the negative (-) output. Incorrect polarity can lead to poor sound quality.
2. **Secure Connections:** Ensure all wire connections are secure and free from shorts. Use crimp connectors or solder for reliable connections.
3. **Route Wires:** Route speaker wires away from moving parts, sharp edges, and heat sources. Use zip ties or clips to secure them.

5. OPERATING INSTRUCTIONS

Your PIONEER TS-A6881F speakers are designed to deliver a rich and immersive audio experience with a wide frequency response and high sensitivity.

5.1 Audio Performance

- **Power Handling:** These speakers can handle a maximum power of 350 watts, with a continuous power handling of 80 watts. This allows for dynamic sound reproduction without sacrificing clarity.
- **Frequency Response:** The speakers offer a broad frequency response range from 30 Hz to 32 kHz, ensuring crisp highs and deep lows across various music genres.
- **Sensitivity:** With a sensitivity rating of 90 dB, these speakers produce clear and loud sound even with lower power inputs, minimizing distortion at higher volume levels.
- **Audio Output:** The speakers provide stereo audio output, enhancing the soundstage in your vehicle.

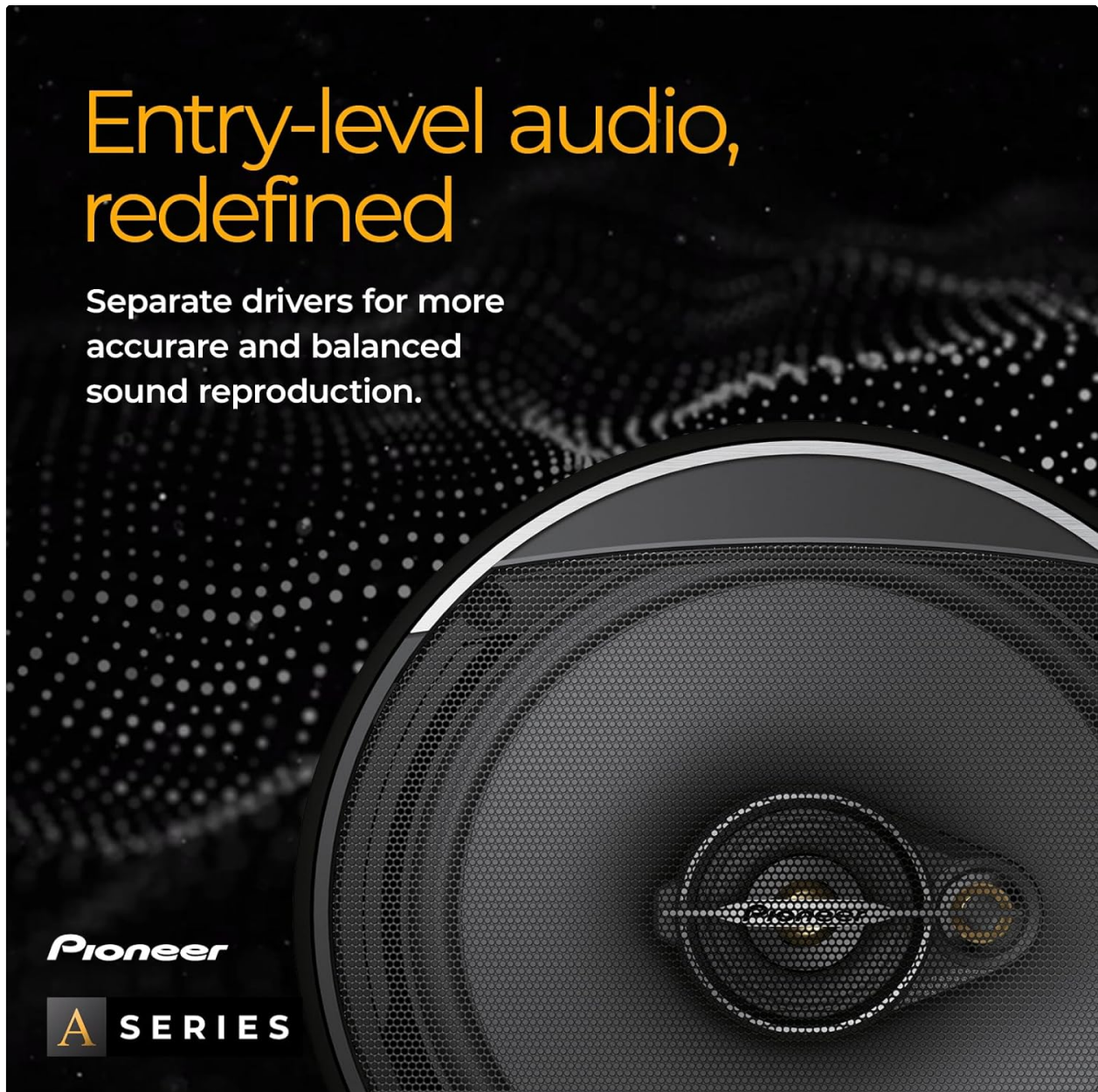


Image 3: PIONEER A-Series Entry-Level Audio Redefined. This image highlights the speaker's ability to provide accurate and balanced sound reproduction through separate drivers.

Crisp highs & deep lows

Dynamic sound delivers a wide range of audio frequencies for a rich & immersive experience.



Image 4: PIONEER A-Series Crisp Highs and Deep Lows. This image emphasizes the dynamic sound delivery across a wide range of audio frequencies for an immersive experience.

High volume, clear sound

High sensitivity produces
clear and loud sound at lower
power without distortion.



Image 5: PIONEER A-Series High Volume, Clear Sound. This image illustrates how the speaker's high sensitivity ensures clear and loud audio even at lower power, without distortion.

5.2 Compatible Devices

While primarily designed for vehicle audio systems, these speakers can be connected to various audio sources including car stereos, amplifiers, and other devices with compatible audio outputs. The connectivity technology is coaxial.

6. MAINTENANCE

To ensure the longevity and optimal performance of your PIONEER TS-A6881F speakers, follow these maintenance guidelines:

- **Cleaning:** Gently wipe the speaker grilles and cones with a soft, dry cloth. Avoid using harsh chemicals, solvents, or abrasive cleaners, as these can damage the speaker materials.
- **Moisture Protection:** These speakers are not waterproof. Protect them from direct exposure to water, rain, or excessive humidity. If they become wet, allow them to dry completely before use.
- **Environmental Factors:** Avoid prolonged exposure to extreme temperatures or direct sunlight, which can degrade speaker components over time.

- **Secure Mounting:** Periodically check that the speakers are securely mounted and that all connections are tight. Vibrations from vehicle movement can sometimes loosen components.

7. TROUBLESHOOTING

If you encounter issues with your speakers, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
No sound from speakers	<ul style="list-style-type: none"> • Loose or disconnected wiring • Incorrect polarity • Faulty audio source or amplifier 	<ul style="list-style-type: none"> • Check all speaker wire connections at both the speaker and the audio source/amplifier. • Ensure positive (+) and negative (-) terminals are correctly connected. • Verify the audio source (head unit, amplifier) is functioning correctly.
Distorted or poor sound quality	<ul style="list-style-type: none"> • Incorrect gain settings on amplifier • Speaker wires touching or shorting • Damaged speaker cone • Overpowering speakers 	<ul style="list-style-type: none"> • Adjust amplifier gain settings to match the head unit's output. • Inspect speaker wires for damage or shorts. • Visually inspect speaker cones for tears or damage. • Reduce volume or check amplifier output to ensure it's within the speaker's continuous power handling (80W).
Intermittent sound	<ul style="list-style-type: none"> • Loose connections • Damaged wiring 	<ul style="list-style-type: none"> • Check and secure all wiring connections. • Inspect speaker wires for breaks or frayed sections.

If the problem persists after attempting these solutions, contact PIONEER customer support or a qualified car audio technician.

8. SPECIFICATIONS

Feature	Specification
Model Name	TS-A6881F
Speaker Type	Coaxial, 4-Way
Speaker Size	6" x 8" (8 Inches)

Feature	Specification
Mounting Type	Flush Mount
Maximum Output Power	350 Watts
Continuous Power Handling	80 Watts (RMS)
Impedance	4 Ohm
Frequency Response	30 Hz to 32 kHz
Sensitivity	90 dB
Audio Output Mode	Stereo
Connectivity Technology	Coaxial
Product Dimensions	3"D x 8"W x 5.38"H
Item Weight	1.4 Pounds
Is Waterproof	False
Manufacturer	Pioneer Corporation
UPC	884938509442

9. WARRANTY AND SUPPORT

Your PIONEER TS-A6881F speakers come with a Limited Warranty. A 1-year warranty sheet is included in your package. Please refer to this document for specific terms and conditions of the warranty.

For technical assistance, troubleshooting beyond this manual, or warranty claims, please contact PIONEER customer support. Contact information can typically be found on the manufacturer's official website or on the warranty documentation.