

ATE 607077

ATE Original Semi-Metallic Front Disc Brake Pad Set 607077
Instruction Manual

Brand: ATE | Model: 607077

1. INTRODUCTION

This manual provides essential instructions for the proper installation, operation, and maintenance of the ATE Original Semi-Metallic Front Disc Brake Pad Set, model 607077. Designed for specific Audi and Volkswagen vehicles, these brake pads are engineered to deliver reliable braking performance and durability. Adherence to these instructions is crucial for ensuring optimal safety and product longevity.



Image 1.1: The ATE Original Semi-Metallic Front Disc Brake Pad Set 607077. This image displays four individual brake pads, two inner and two outer, with part numbers and branding visible on the backing plates.

2. SAFETY INFORMATION

Brake system work requires specialized knowledge and tools. Improper installation can lead to brake failure, serious injury, or

death. If you are not confident in your ability to perform this installation safely and correctly, seek assistance from a qualified automotive technician.

- Always wear appropriate personal protective equipment (PPE), including safety glasses and gloves.
- Ensure the vehicle is securely supported on jack stands on a level surface before beginning any work. Never rely solely on a jack.
- Disconnect the vehicle's battery if instructed by the vehicle manufacturer's service manual.
- Avoid contact with brake fluid, as it can damage paint and irritate skin.
- Dispose of old brake components and fluids according to local regulations.

3. WHAT'S IN THE BOX

The ATE Original Semi-Metallic Front Disc Brake Pad Set 607077 includes the following components:

- 2 x Inner Brake Pads
- 2 x Outer Brake Pads
- *Note: Accessories for problem-free installation, such as shims or hardware, are often included. Verify contents upon receipt.*

Original equipment quality



For OE-level performance
and reliability.



Brakethrough Technology

Image 3.1: ATE brake pads displayed with their original packaging. This image highlights the "Original equipment quality" of the product, emphasizing its design for OE-level performance and reliability.

4. SETUP AND INSTALLATION

This section outlines the general procedure for replacing front disc brake pads. Always refer to your vehicle's specific service manual for detailed instructions and torque specifications.

4.1. Preparation

1. Park the vehicle on a level surface and engage the parking brake.
2. Loosen the lug nuts on the front wheels.
3. Jack up the front of the vehicle and secure it with jack stands.
4. Remove the front wheels.

4.2. Removing Old Brake Pads

1. Locate the brake caliper. Depending on your vehicle, you may need to remove caliper guide pin bolts or a retaining clip.
2. Carefully remove the caliper from the rotor. Do not let it hang by the brake hose; support it with a wire or bungee cord.
3. Remove the old brake pads from the caliper bracket. Note their orientation.
4. Inspect the brake rotor for wear, scoring, or cracks. Replace if necessary.
5. Clean the caliper bracket and guide pins. Lubricate guide pins with appropriate brake grease.

4.3. Installing New Brake Pads

1. Using a C-clamp or brake caliper piston tool, slowly compress the caliper piston(s) back into the caliper body. Open the brake fluid reservoir cap before doing this and monitor the fluid level to prevent overflow.
2. Install any new hardware (shims, clips) provided with the ATE brake pads onto the caliper bracket.
3. Insert the new ATE brake pads into the caliper bracket, ensuring they are correctly seated and oriented.
4. Reinstall the brake caliper over the new pads and rotor. Secure the caliper guide pin bolts or retaining clips to the manufacturer's specified torque.
5. Repeat the process for the other front wheel.

4.4. Post-Installation

1. Reinstall the wheels and tighten lug nuts hand-tight.
2. Lower the vehicle and torque the lug nuts to the manufacturer's specifications.
3. Pump the brake pedal several times until it feels firm. This will seat the pads against the rotor and restore proper pedal feel.
4. Check the brake fluid level and top off if necessary. Close the reservoir cap.
5. Test drive the vehicle in a safe area at low speeds to ensure proper brake function.

Exact OE fit

For trouble-free installation.



Brakethrough Technology

Image 4.1: A technician installing an ATE brake pad onto a vehicle's front brake system. This image illustrates the "Exact OE fit" of the pads, designed for trouble-free installation and proper integration with the existing brake components.

5. OPERATING AND BEDDING-IN PROCEDURE

After new brake pads are installed, a proper bedding-in procedure is essential to optimize performance and longevity. This process transfers a thin, even layer of friction material from the pads to the rotor surface, ensuring consistent braking and reducing noise.

5.1. Bedding-In Steps

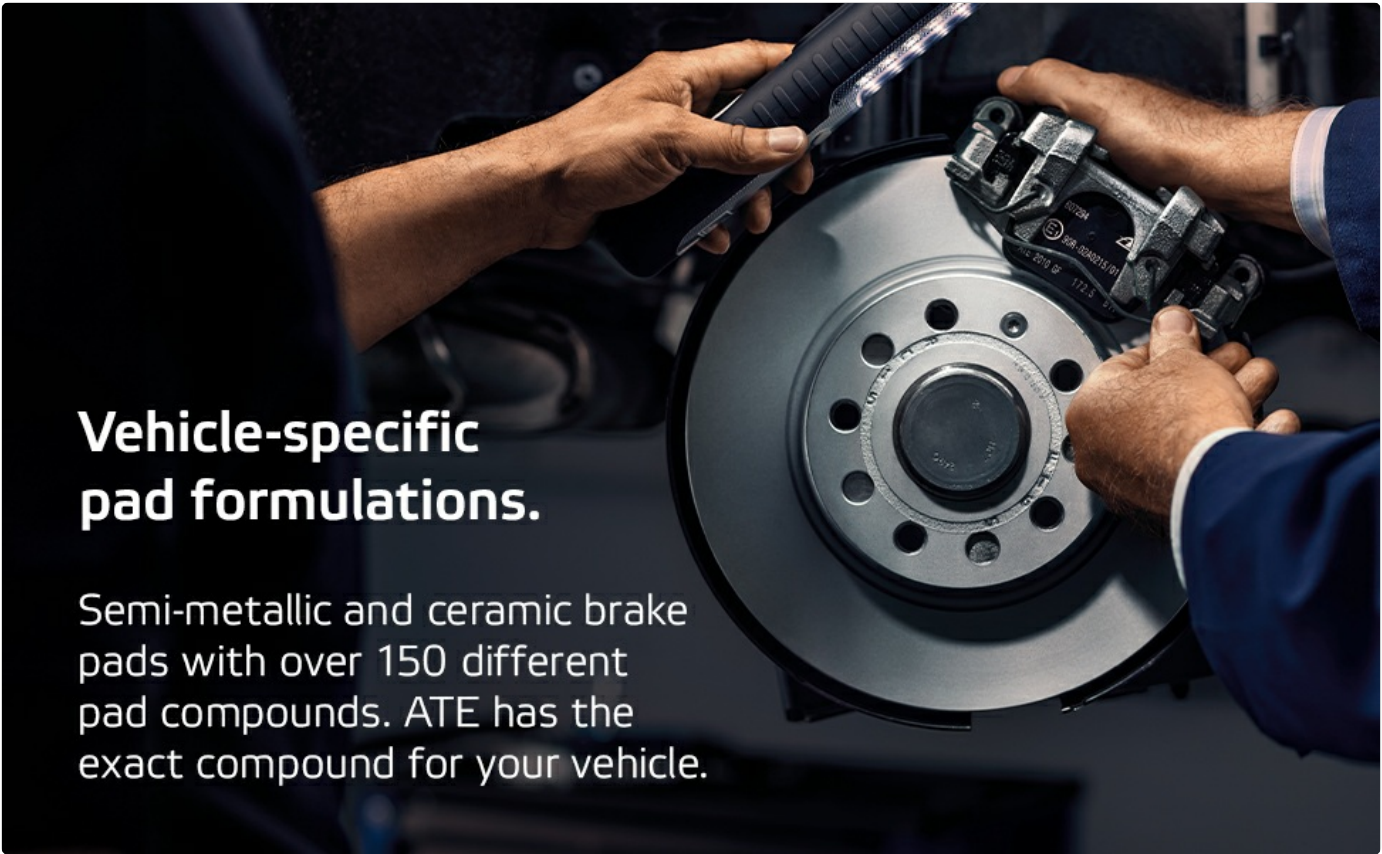
1. Drive the vehicle at a moderate speed (e.g., 30-40 mph).
2. Apply the brakes moderately (not aggressively) to slow down to about 10 mph. Do not come to a complete stop.
3. Release the brakes and accelerate back to the moderate speed.
4. Repeat this process approximately 8-10 times. Allow a few minutes between cycles for the brakes to cool slightly.
5. After the cycles, drive normally for about 10-15 minutes without heavy braking to allow the brakes to cool completely.

During the bedding-in process, avoid sudden, hard stops or prolonged braking, which can overheat the pads and rotors, potentially causing glazing or warping.

6. MAINTENANCE

Regular inspection and maintenance of your brake system are vital for safety and performance.

- **Regular Inspections:** Have your brake system inspected by a qualified technician at least once a year or every 10,000-12,000 miles, or as recommended by your vehicle manufacturer.
- **Brake Pad Wear:** Monitor brake pad thickness. Replace pads when they reach their minimum specified thickness (typically 2-3mm). ATE brake pads are designed for optimal performance throughout their lifespan.
- **Brake Fluid:** Check brake fluid level regularly. Low fluid can indicate a leak or worn pads. Brake fluid should be flushed and replaced according to your vehicle manufacturer's recommendations, typically every 2-3 years, to maintain optimal braking performance and prevent corrosion.
- **Rotor Condition:** Inspect rotors for excessive wear, deep grooves, or signs of overheating (blue discoloration). Replace or machine rotors as needed.
- **Caliper Operation:** Ensure calipers move freely and guide pins are properly lubricated to prevent uneven pad wear or sticking.



Vehicle-specific pad formulations.

Semi-metallic and ceramic brake pads with over 150 different pad compounds. ATE has the exact compound for your vehicle.

Image 6.1: A selection of ATE brake fluid products. This image emphasizes the importance of using the correct brake fluid to ensure the brake system functions as designed, complementing the performance of ATE brake pads.

7. TROUBLESHOOTING

This section addresses common issues that may arise with brake pads. If problems persist, consult a qualified technician.

Symptom	Possible Cause	Solution
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Symptom	Possible Cause	Solution
Brake Squeal/Noise	Improper bedding-in, lack of anti-squeal shims/lube, worn rotors, caliper issues.	Re-perform bedding-in. Ensure shims are installed and backing plates are lubricated. Inspect rotors and calipers.
Reduced Braking Performance	Improper bedding-in, air in brake lines, worn pads/rotors, contaminated pads.	Ensure proper bedding-in. Bleed brake system. Inspect pads/rotors. Check for fluid leaks.
Vibration/Pulsation	Warped rotors, uneven pad wear, loose caliper components.	Inspect and replace/machine rotors. Check caliper and mounting hardware.
Brake Pedal Soft/Spongy	Air in brake lines, low brake fluid, master cylinder issue.	Bleed brake system. Check fluid level and for leaks. Consult technician for master cylinder.



Image 7.1: A close-up of hands inspecting a vehicle's brake system, featuring an ATE brake pad and rotor. This image highlights the importance of proper installation and inspection, ensuring the system meets or exceeds the ECE R90 standard for quality and safety.

8. SPECIFICATIONS

Feature	Detail
Brand	ATE
Model Number	607077
Material	Semi-Metallic
Auto Part Position	Front
Vehicle Service Type	SUV (and other compatible Audi/Volkswagen models)
Specification Met	OEM, ECE R90 approved
Item Weight	0.072 ounces (Note: This weight seems unusually low for a set of brake pads and might refer to a single component or be an error in source data. Refer to packaging for accurate weight.)
Product Dimensions	4.25 x 3.62 x 7.24 inches
OEM Part Numbers	8D0698151A, 8D0698151C, 8D0698151F

9. WARRANTY INFORMATION

Specific warranty details for the ATE Original Semi-Metallic Front Disc Brake Pad Set 607077 are not provided in this manual. Please refer to the product packaging, the official ATE website, or contact your point of purchase for comprehensive warranty terms and conditions.

10. CUSTOMER SUPPORT

For technical assistance, installation questions, or if you encounter issues not covered in this manual, it is recommended to:

- Consult a certified automotive technician.
- Refer to your vehicle's official service manual.

- Visit the official ATE website for additional resources and contact information.

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