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› Akebono ACT1222A Ultra-Premium Ceramic Front Disc Brake Pads Instruction Manual

Akebono ACT1222A

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Model: ACT1222A | Brand: Akebono

1. INTRODUCTION

Thank you for choosing Akebono ACT1222A Ultra-Premium Ceramic Front Disc Brake Pads. These brake pads are engineered to provide superior initial effectiveness without a break-in period, ensuring consistent and reliable stopping power. Manufactured with advanced ceramic materials, they offer quiet operation, low dust, and extended pad life. This manual provides essential information for the proper installation, operation, and maintenance of your new brake pads.

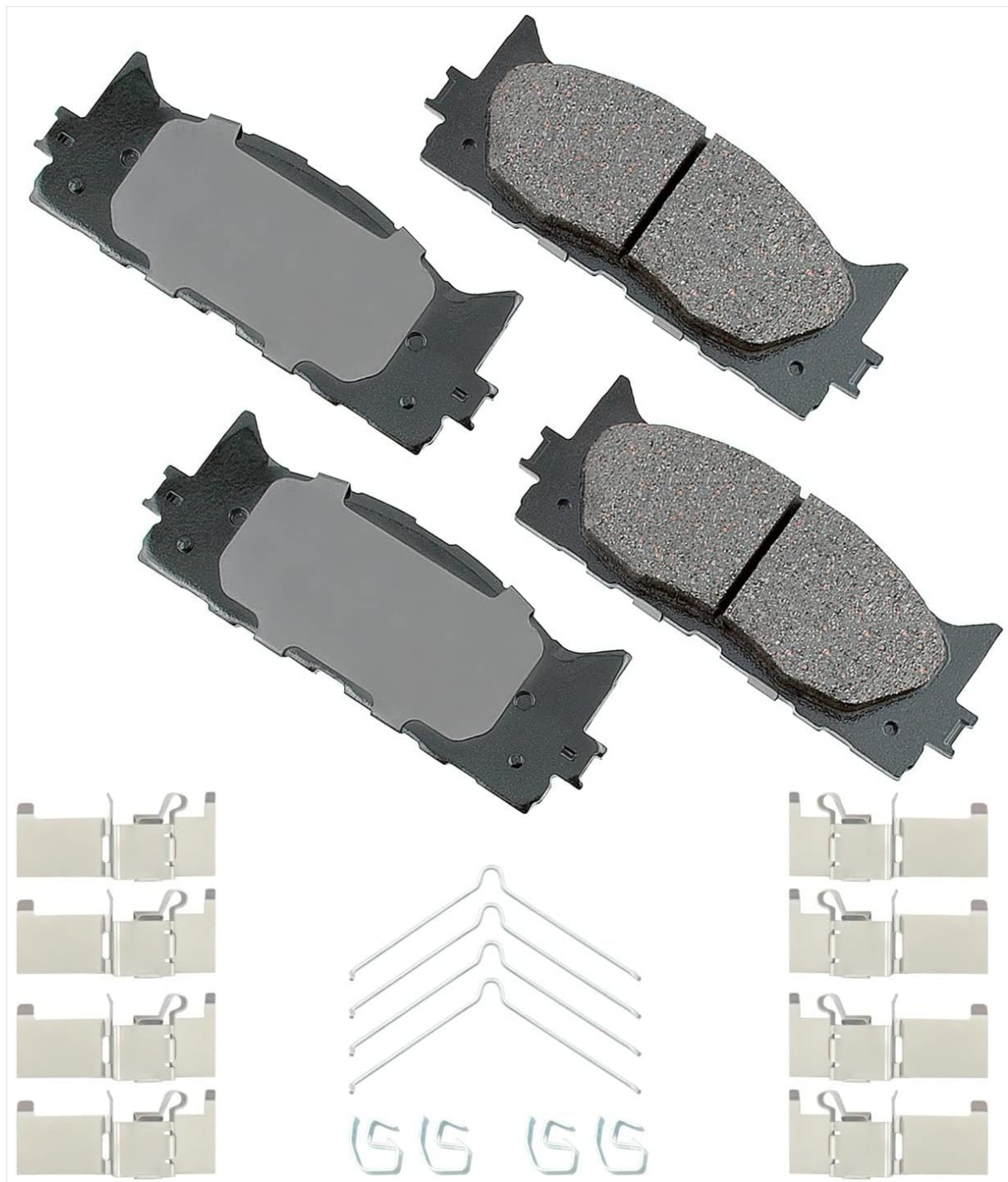


Image 1.1: A complete set of Akebono ACT1222A Ultra-Premium Ceramic Front Disc Brake Pads, including four pads and associated installation hardware (clips and springs).

2. SAFETY INFORMATION

Brake system components are critical for vehicle safety. Improper installation or maintenance can lead to serious injury or death.

- **Professional Installation Recommended:** Installation of brake pads should only be performed by a qualified automotive technician using appropriate tools and safety procedures.
- **Vehicle Compatibility:** Ensure these brake pads are compatible with your specific vehicle make, model, and year (e.g., Lexus / Toyota 2007-2018). Refer to your vehicle's service manual for correct part numbers.
- **Personal Protective Equipment:** Always wear appropriate personal protective equipment, including safety glasses and gloves, when working on brake systems.
- **Brake Dust:** Brake dust may contain hazardous materials. Avoid inhaling brake dust and use proper cleaning methods.

- **California Proposition 65 Warning:** This product may expose you to chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov.
- **Post-Installation Check:** After installation, always test the brakes in a safe environment before operating the vehicle on public roads.

3. PACKAGE CONTENTS

The Akebono ACT1222A Ultra-Premium Ceramic Front Disc Brake Pads package typically includes:

- Four (4) Akebono ACT1222A Ultra-Premium Ceramic Front Disc Brake Pads
- Associated installation hardware (clips and springs)

Note: Inspect all components upon receipt. If any parts are missing or damaged, contact your supplier immediately.

4. INSTALLATION (SETUP)

This section provides a general overview of brake pad installation. For detailed, vehicle-specific instructions, always consult your vehicle's official service manual.

1. **Prepare the Vehicle:** Park the vehicle on a level surface, engage the parking brake, and block the wheels. Loosen the lug nuts on the wheels where brake pads will be replaced.
2. **Lift and Secure:** Safely lift the vehicle using a jack and secure it with jack stands. Remove the wheels.
3. **Remove Old Pads:**
 - Locate the brake caliper and remove the caliper guide pins or bolts.
 - Carefully remove the caliper from the rotor and support it to prevent strain on the brake hose.
 - Remove the old brake pads and any existing hardware.
4. **Inspect and Clean:**
 - Inspect the brake rotors for wear, scoring, or warping. Replace or resurface rotors as necessary.
 - Clean the caliper bracket and hub assembly thoroughly, removing any rust or debris.
 - Compress the caliper piston(s) using a suitable tool.
5. **Install New Hardware:** Install the new clips and springs provided with your Akebono ACT1222A pads onto the caliper bracket. Ensure they are seated correctly.
6. **Install New Pads:** Insert the new Akebono ACT1222A brake pads into the caliper bracket. Ensure the pads fit snugly and move freely within the bracket.
7. **Reassemble Caliper:** Reinstall the brake caliper over the new pads and rotor. Secure the caliper guide pins or bolts to the manufacturer's specified torque.
8. **Final Steps:** Reinstall the wheels, lower the vehicle, and tighten lug nuts to specification. Pump the brake pedal several times to restore pressure before driving.



Image 4.1: Specialized tools, such as wrenches, are essential for proper brake system maintenance and installation.

5. OPERATION

Akebono ACT1222A Ultra-Premium Ceramic Front Disc Brake Pads are designed for optimal performance from the first application. Unlike some conventional brake pads, they do not require a specific break-in period.

- **Consistent Performance:** Experience consistent and reliable stopping power under various driving conditions.
- **Quiet Operation:** The ceramic formulation minimizes noise, providing a smooth and quiet braking experience.
- **Low Dust:** These pads produce significantly less dust compared to semi-metallic pads, helping to keep wheels cleaner.
- **Thermal Stability:** Ceramic materials offer excellent thermal stability, reducing fade during heavy braking.

6. MAINTENANCE

Regular inspection and maintenance of your vehicle's brake system are crucial for safety and longevity.

- **Routine Inspections:** Have your brake pads, rotors, calipers, and brake fluid inspected by a qualified technician at least once a year or every 12,000 miles (20,000 km), or as recommended by your vehicle manufacturer.
- **Pad Wear:** Monitor brake pad thickness. Replace pads when they reach their minimum recommended thickness, typically around 3mm.
- **Rotor Condition:** Ensure rotors are free from deep grooves, cracks, or excessive rust. Replace or resurface rotors as needed.
- **Brake Fluid:** Check brake fluid level and condition. Replace brake fluid according to your vehicle manufacturer's recommendations.
- **Cleanliness:** Keep brake components clean to prevent debris buildup that can affect performance.

7. TROUBLESHOOTING

If you experience any issues with your braking system, it is recommended to consult a qualified automotive technician immediately.

- **Squealing or Grinding Noise:** This can indicate worn pads, improper installation, or issues with rotors. Do not ignore persistent brake noise.
- **Reduced Braking Performance:** If the vehicle takes longer to stop or the pedal feels soft, it could be due to air in the brake lines, worn pads, or other hydraulic issues.
- **Vibration During Braking:** Often a sign of warped rotors or uneven pad wear.
- **Pulling to One Side:** May indicate uneven brake wear, a seized caliper, or hydraulic problems.

Warning: Never attempt to diagnose or repair brake issues if you are not qualified. Brake system malfunctions can lead to loss of vehicle control.

8. SPECIFICATIONS

Feature	Detail
Brand	Akebono
Model Number	ACT1222A
Material	Ceramic
Auto Part Position	Front
Vehicle Service Type	Cars
Compatible Vehicles	Lexus / Toyota (2007-2018)
Manufacturer Part Number	ACT1222A
Global Trade Identification Number (GTIN)	00821726005274
Item Weight	4 Pounds (approximate)
Unit Count	4 Count (Set of 4 pads)
Specification Met	OEM
Key Feature	Superior initial effectiveness with no required break-in period.



Image 8.1: Akebono brake pads are proudly manufactured in the USA.

9. WARRANTY INFORMATION

Akebono ACT1222A Ultra-Premium Ceramic Front Disc Brake Pads come with a **1-Year Manufacturer Warranty**. This warranty covers defects in materials and workmanship under normal use and service. For specific terms, conditions, and claim procedures, please refer to the official Akebono warranty documentation or contact Akebono customer support.

Note: The warranty does not cover damage resulting from improper installation, misuse, neglect, accident, or unauthorized modification.

10. SUPPORT

For technical assistance, product inquiries, or warranty claims, please contact Akebono customer support through their official website or authorized distributors.

- **Official Website:** www.akebonobrakes.com
- **Customer Service:** Refer to the contact section on the official Akebono website for phone numbers or email support.



Image 10.1: Akebono company logo, representing the brand's commitment to quality and support.