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> A-Premium Disc Brake Caliper Assembly with Bracket Instruction Manual for Cadillac, Chevy, and GMC Models

A-Premium APBC0541PC

A-Premium Disc Brake Caliper Assembly with Bracket Instruction Manual

Model: APBC0541PC

1. INTRODUCTION

This manual provides essential information for the installation, operation, and maintenance of your A-Premium Disc Brake Caliper Assembly with Bracket. It is designed to assist qualified individuals in understanding the product and ensuring its correct application. For detailed vehicle-specific repair procedures, always consult your vehicle's official service manual.

2. PRODUCT OVERVIEW

The A-Premium Disc Brake Caliper Assembly with Bracket is a critical component of your vehicle's braking system, designed to provide reliable stopping power. This assembly includes the brake caliper and its mounting bracket, engineered for direct fit and performance.

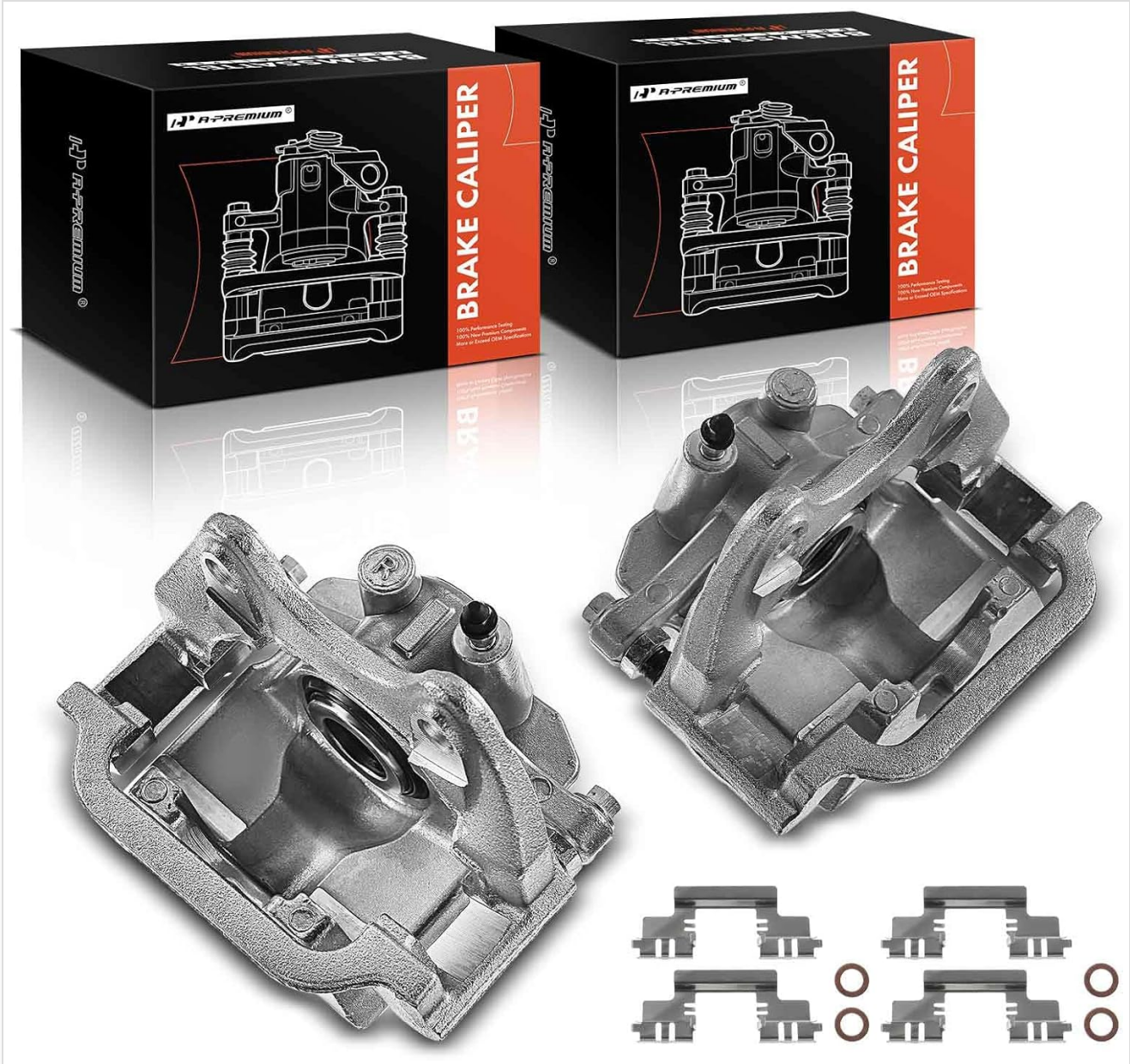


Image 2.1: A-Premium Disc Brake Caliper Assembly with Bracket (Pair)

This image displays the complete A-Premium Disc Brake Caliper Assembly, including the caliper units and mounting hardware, as they would appear out of the box. The assembly is designed for rear driver and passenger side installation.

Key features of this brake caliper assembly include:

- **Direct Fit Design:** Engineered to match the fit and function of original equipment calipers.
- **Anti-Rust Coating:** Applied to prolong service life and resist corrosion.
- **Phenolic Piston:** Features a single phenolic piston for consistent braking performance.
- **Superior Sealing:** Incorporates dual seals and a dust cover to prevent fluid leakage and protect internal components.
- **Pressure Tested:** Each unit undergoes strict pressure testing to ensure reliability and prevent leakage.

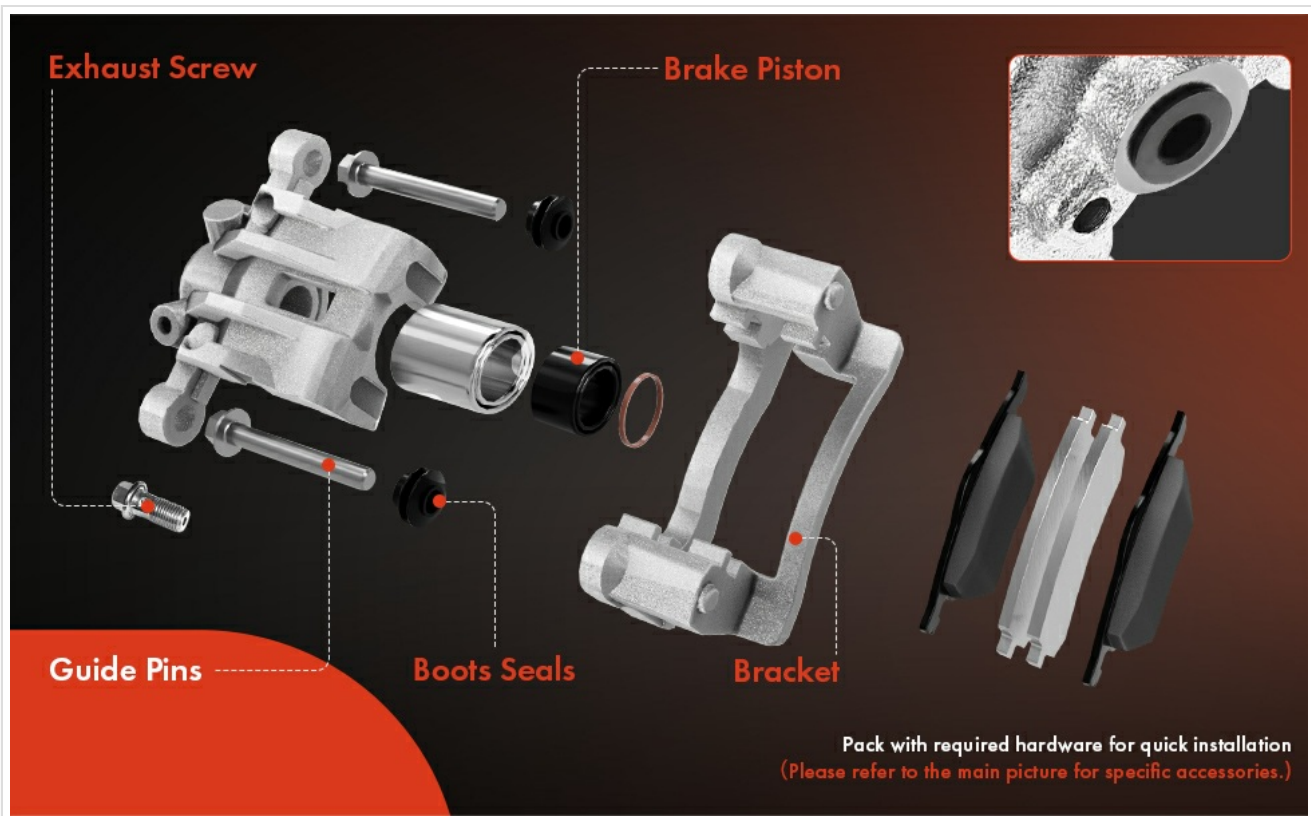


Image 2.2: Exploded View of Caliper Components

This diagram illustrates the individual components of the brake caliper assembly, including the exhaust screw, brake piston, guide pins, boots, seals, and the bracket. This provides a visual understanding of the internal structure.

3. VEHICLE COMPATIBILITY

This A-Premium Disc Brake Caliper Assembly (Model APBC0541PC) is compatible with various Cadillac, Chevrolet, and GMC models. Please verify your vehicle's specific year, make, model, and brake configuration (e.g., 4-wheel disc brake, rear disc) to ensure proper fitment.

Compatible Cadillac Models (Rear Side):

- 2007-2020 Escalade
- 2007-2020 Escalade ESV
- 2007-2013 Escalade EXT

Compatible Chevrolet Models (Rear Side):

- 2007-2007 Silverado 1500 (4 Wheel Disc Brake, Brake Code JD9, LS|LTZ|LT)
- 2008-2009 Silverado 1500 (4 Wheel Disc Brake, Except WT or Base)
- 2010-2013 Silverado 1500 (4 Wheel Disc Brake, Except WT; Base; LS or XFE)
- 2014-2018 Silverado 1500
- 2007-2014 Suburban 1500
- 2014-2014 Suburban (Mexico models)
- 2015-2020 Suburban
- 2007-2013 Avalanche
- 2007-2020 Tahoe

Compatible GMC Models (Rear Side):

- 2007-2007 Sierra 1500 (4-Wheel Disc Brake, Brake Code JD9, Except WT)

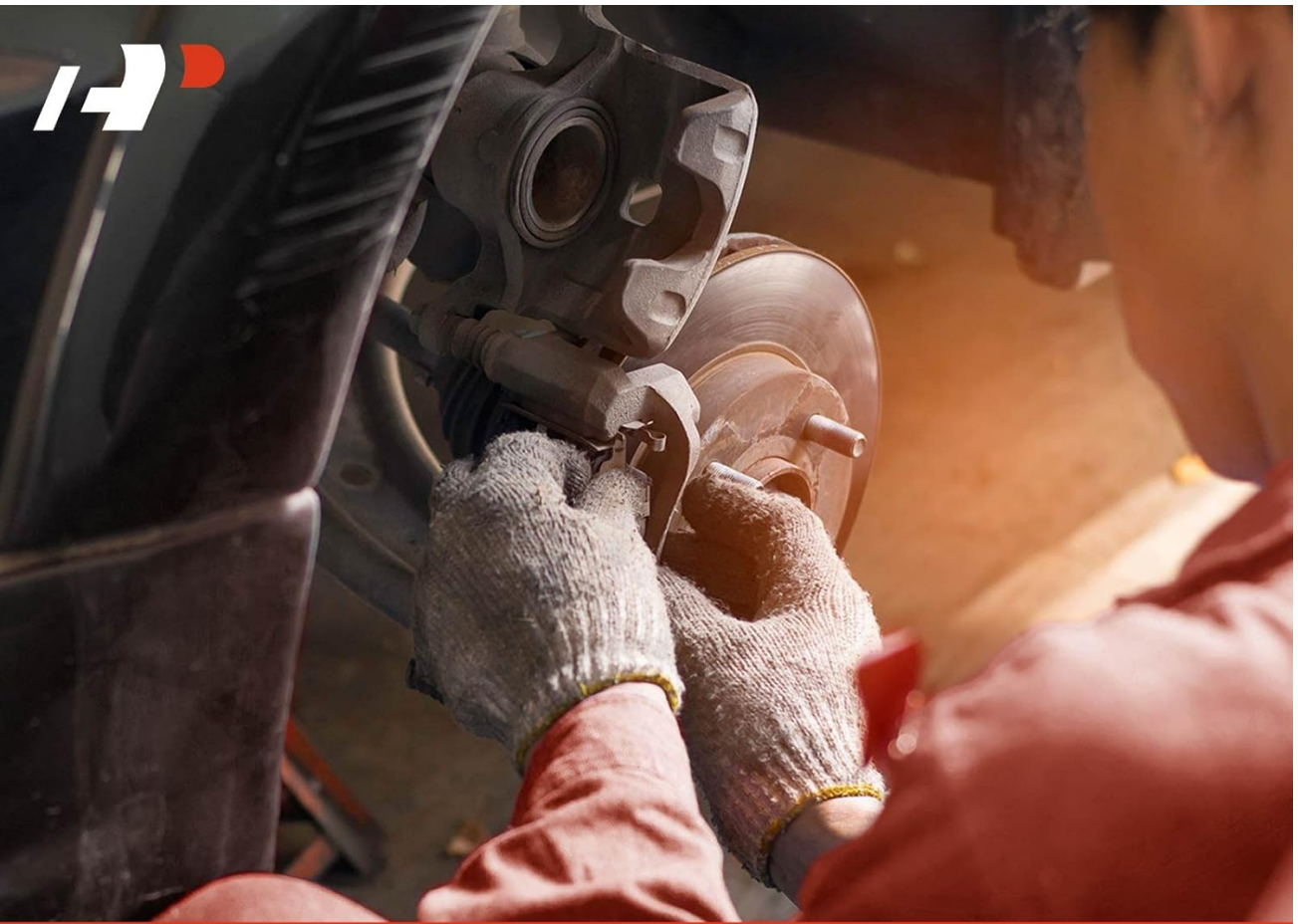
- 2008-2009 Sierra 1500 (4-Wheel Disc Brake, Except WT)
- 2010-2013 Sierra 1500 (4-Wheel Disc Brake, Except WT SL or XFE)
- 2014-2018 Sierra 1500
- 2007-2020 Yukon
- 2007-2014 Yukon XL 1500
- 2015-2020 Yukon XL

Note: This product is for models with 4-Wheel Disc Brakes and Rear Disc configuration.

4. TECHNICAL SPECIFICATIONS

Below are the detailed specifications for the A-Premium Disc Brake Caliper Assembly:

Specification	Detail
Model Number	APBC0541PC
Inlet Port Size	M10 x 1.0
Piston Diameter	2.003 inches
Brake Piston Count	1 Phenolic Piston
Bleeder Port Size	M10 x 1.0
OEM Part Numbers	15265833, 22968239, 23279394, 84191287, 22968238, 23279395, 84191288, 18-B5030, 18-B5031
Item Weight	16.08 pounds
Package Dimensions	16 x 11.38 x 7.28 inches



INSTALLATION ATTENTION

Don't touch the friction block with lubricant and ensure the guide pins are clean before installing.

When disconnecting the brake pipe, make sure that the brake pipe and the opening on the brake caliper are plugged to prevent dust from entering the brake system.

Image 4.1: Caliper Technical Diagram

This image provides a visual representation of key technical specifications, including piston diameter, inlet port, bleeder port, and piston material, confirming the details listed in the table.

5. INSTALLATION

Important Safety Notice: Installation of brake components requires specialized knowledge and tools. Improper installation can lead to brake failure, serious injury, or death. It is strongly recommended that installation be performed by a qualified mechanic. Always consult your vehicle's specific shop manual for detailed, step-by-step instructions.

Attention: Please use the appropriate shop manual for your vehicle to obtain specific instructions. If you do not have an installation manual or enough skills to install this part, it is recommended that you seek help from a qualified mechanic.



Image 5.1: Installation Attention Notice

This image highlights the critical importance of referring to the vehicle's specific shop manual for accurate installation instructions and seeking professional help if necessary.

5.1 General Installation Considerations

- Ensure the vehicle is safely supported on jack stands on a level surface.
- Disconnect the negative battery terminal before starting work.
- Wear appropriate personal protective equipment (PPE), including safety glasses and gloves.
- Have a clean workspace and proper tools available.

5.2 Pre-Installation Checks

- Verify that the new caliper assembly matches the old unit in terms of size, mounting points, and piston configuration.
- Inspect the new caliper for any shipping damage.
- Ensure all included hardware (if applicable) is present.



SUPERIOR SEALING PERFORMANCE

1 Dual-seal

Avoid brake fluid leakage
Excellent braking capacity

2 Dust cover

Prolong the service life of the product
Prevent dust from entering the piston

Image 5.2: Installation Attention Points

This image emphasizes crucial installation details: do not touch the friction block with lubricant, ensure guide pins are clean, and plug brake pipe openings to prevent contamination when disconnected.

5.3 Basic Installation Steps (Consult Vehicle Manual for Details)

1. **Remove Wheel:** Loosen lug nuts, raise vehicle, secure with jack stands, and remove the wheel.
2. **Remove Old Caliper:** Disconnect the brake line from the old caliper. Be prepared for brake fluid leakage and use a suitable container. Remove the caliper mounting bolts and slide the old caliper off the rotor.
3. **Install New Caliper:** Position the new A-Premium caliper assembly over the brake rotor. Secure it with the mounting bolts, tightening to the manufacturer's specified torque.
4. **Connect Brake Line:** Reconnect the brake line to the new caliper. Ensure a tight, leak-free connection.
5. **Bleed Brake System:** This is a critical step. Bleed the brake system to remove all air from the lines. Follow your vehicle's specific bleeding procedure.
6. **Check for Leaks:** After bleeding, visually inspect all connections for any brake fluid leaks.
7. **Test Brakes:** With the engine off, pump the brake pedal several times until it feels firm. Start the engine and test the pedal again. Perform a low-speed test drive in a safe area to confirm proper brake function before normal operation.



EXPECT MORE 

Image 5.3: Caliper Detail Views

This image provides close-up views of critical caliper components such as the bleeder screw, inlet port, and piston boot, which are important for proper installation and maintenance.

6. MAINTENANCE

Regular maintenance of your braking system is crucial for safety and longevity. While the A-Premium brake caliper is designed for durability, periodic inspection is recommended.

- **Brake Fluid Check:** Regularly check brake fluid levels and condition. Replace fluid according to your vehicle manufacturer's recommendations.
- **Caliper Inspection:** Periodically inspect calipers for signs of leaks, corrosion, or damage.
- **Brake Pad Wear:** Monitor brake pad wear and replace them before they reach minimum thickness.
- **Guide Pin Lubrication:** Ensure caliper guide pins are clean and properly lubricated to allow smooth movement.
- **Anti-Rust Coating:** The caliper features an anti-rust coating. Keep the caliper clean to maintain its protective properties.



Image 6.1: Anti-Rust Coating

This image visually demonstrates the effectiveness of the anti-rust coating on the A-Premium caliper, comparing a rusted caliper without coating to a well-protected one with the coating.

7. TROUBLESHOOTING COMMON ISSUES

If you experience issues with your braking system after installation, consider the following common troubleshooting steps. Always prioritize safety and consult a qualified mechanic if you are unsure.

- **Soft Brake Pedal:** This often indicates air in the brake lines. Re-bleed the entire brake system thoroughly.
- **Brake Fluid Leakage:** Inspect all brake line connections to the caliper for proper tightness. Check the caliper body for any signs of damage or seal failure.
- **Uneven Brake Wear:** Could be caused by sticking caliper guide pins or a faulty caliper piston. Ensure guide pins are clean and lubricated.
- **Brakes Dragging:** May indicate a stuck caliper piston or guide pins. Check for proper caliper movement and ensure the brake hose is not collapsed internally.
- **Noise (Squealing/Grinding):** While new calipers typically don't cause noise, ensure brake pads are correctly installed and not worn out. Check for proper lubrication of contact points.

8. WARRANTY AND CUSTOMER SUPPORT

A-Premium offers a one-year unlimited-mileage guarantee on this disc brake caliper assembly. This warranty covers defects in materials and workmanship under normal use and service.

For warranty claims, technical assistance, or any product-related inquiries, please contact A-Premium customer support through the retailer where the product was purchased or visit the official A-Premium website for contact information.

When contacting support, please have your product model number (APBC0541PC) and purchase details readily available.

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This manual is for informational purposes only. A-Premium is not responsible for damages or injuries resulting from improper installation or use of this product.