

EBC DP80372RPX

EBC RPX Race Brake Pads Instruction Manual

MODEL: DP80372RPX

1. Introduction

This manual provides essential information for the proper installation, use, and maintenance of your EBC RPX Race Brake Pads, model DP80372RPX. These high-performance brake pads are designed for automotive use, specifically for front axle applications, offering a high friction rating for superior braking performance. Please read this manual thoroughly before proceeding with installation or use.

2. Safety Information

Brake system components are critical for vehicle safety. Improper installation or maintenance can lead to serious injury or death. Always adhere to the following safety guidelines:

- **Professional Installation Recommended:** Installation of brake pads should ideally be performed by a qualified automotive technician.
- **Use Proper Tools:** Ensure all necessary tools are available and in good working condition.
- **Wear Personal Protective Equipment (PPE):** Always wear safety glasses, gloves, and other appropriate PPE during installation.
- **Vehicle Support:** Securely support the vehicle on jack stands on a level surface before working underneath. Never rely solely on a jack.
- **Brake Fluid:** Handle brake fluid with care. It is corrosive and can damage paint and skin.
- **Dust:** Brake dust may contain hazardous materials. Avoid inhaling dust and use appropriate cleaning methods.
- **Test Brakes:** After installation, thoroughly test the brakes in a safe area at low speeds before operating the vehicle on public roads.

3. Package Contents

Verify that all components are present and undamaged upon opening the package:

- EBC RPX Race Brake Pads (1 set, typically 4 pads for one axle)

4. Installation

The following steps outline a general procedure for replacing front brake pads. Specific vehicle models may have variations. Refer to your vehicle's service manual for detailed instructions.

1. **Prepare Vehicle:** Park the vehicle on a level surface, engage the parking brake, and block the rear wheels. Loosen the front wheel lug nuts.
2. **Lift and Secure:** Jack up the front of the vehicle and support it securely with jack stands. Remove the front wheels.
3. **Access Caliper:** Locate the brake caliper. Depending on your vehicle, you may need to remove caliper guide pin bolts or mounting bolts.
4. **Remove Old Pads:** Carefully remove the old brake pads from the caliper bracket. Note their orientation.
5. **Inspect Components:** Inspect the brake rotors for wear, scoring, or warping. Check caliper pistons for leaks and dust boots for damage. Clean the caliper and bracket thoroughly.
6. **Compress Piston:** Use a caliper piston compression tool to slowly push the caliper piston(s) back into the caliper bore. This creates space for the new, thicker pads. Monitor the brake fluid reservoir to prevent overflow.
7. **Install New Pads:** Install the new EBC RPX Race Brake Pads into the caliper bracket, ensuring they are correctly seated and oriented. Apply a thin layer of high-temperature brake lubricant to the caliper slide pins and the back of the brake pads (where they contact the caliper), avoiding the friction material.
8. **Reassemble Caliper:** Reinstall the caliper onto the bracket and tighten all bolts to the manufacturer's specified torque.
9. **Reinstall Wheels:** Reinstall the wheels and hand-tighten the lug nuts.
10. **Lower Vehicle:** Lower the vehicle to the ground and fully tighten the lug nuts to the manufacturer's specified torque.
11. **Pump Brakes:** Before driving, slowly pump the brake pedal several times until it feels firm. This seats the pads against the rotor and restores proper pedal feel. Check the brake fluid level and top off if necessary.



This image displays a set of four EBC RPX Race brake pads. Each pad is black, featuring a central vertical groove for heat dissipation and debris removal. These pads are designed for front axle installation in automobiles, providing high friction for superior braking performance.

5. Operation and Break-In Procedure

Proper break-in (bedding-in) of new brake pads is crucial for optimal performance and longevity. Follow these steps:

1. **Initial Driving:** Drive the vehicle at moderate speeds (e.g., 30-40 mph) for several miles, applying the brakes gently and progressively. Avoid hard braking during this initial phase.
2. **Moderate Stops:** Perform 8-10 moderate stops from approximately 40 mph down to 10 mph. Allow a short cooling period between each stop (e.g., 30 seconds of driving without braking). Do not come to a complete stop during these cycles.
3. **Cool Down:** After the moderate stops, drive for several minutes without braking to allow the pads and rotors to cool down completely.
4. **Avoid Hard Braking:** For the first 200-300 miles, avoid sudden, hard braking whenever possible. This allows the friction material to fully cure and mate with the rotor surface.

During the break-in period, you may notice a slight odor or reduced braking performance. This is normal. Full performance will be achieved after proper bedding-in.

6. Maintenance

Regular inspection and maintenance are vital for brake system health:

- **Routine Inspection:** Inspect brake pads, rotors, and calipers at least once a year or every 10,000-12,000 miles, or as recommended by your vehicle manufacturer.
- **Pad Wear:** Replace brake pads when the friction material wears down to the minimum thickness specified by the manufacturer, typically around 2-3mm.
- **Brake Fluid:** Check brake fluid level regularly and ensure it is within the recommended range. Replace brake fluid according to your vehicle manufacturer's schedule.
- **Noise/Vibration:** Address any unusual brake noises (squealing, grinding) or vibrations promptly.

7. Troubleshooting

Common issues and potential solutions:

Symptom	Possible Cause	Solution
Squealing/Grinding Noise	Worn pads, improper installation, foreign object, glazed rotors	Inspect pads for wear, re-lubricate contact points, clean rotors, replace if necessary.
Reduced Braking Performance	Improper break-in, contaminated pads, worn pads, air in brake lines	Re-perform break-in, inspect for fluid leaks, bleed brake lines, replace pads.
Vibration During Braking	Warped rotors, uneven pad wear, loose caliper	Inspect and replace rotors if warped, check caliper mounting bolts.
Soft Brake Pedal	Air in brake lines, low brake fluid, faulty master cylinder	Bleed brake lines, check fluid level, consult a technician for master cylinder issues.

If you experience persistent brake issues, consult a qualified automotive technician immediately.

8. Specifications

- **Brand:** EBC
- **Model:** RPX Race Brake Pads
- **Part Number:** DP80372RPX
- **Material:** Para-Aramid (key component in high-performance friction material)
- **Auto Part Position:** Front
- **Vehicle Service Type:** Automobile
- **Friction Rating:** High
- **Number of Items:** 1 set (typically 4 pads)
- **Item Weight:** Approximately 4.59 pounds
- **Product Dimensions:** Approximately 8 x 6 x 6 inches

9. Warranty and Support

These EBC RPX Race Brake Pads are covered by a **15-day warranty** from the date of purchase. This warranty covers manufacturing defects. It does not cover wear and tear, improper installation, or damage resulting from misuse or neglect.

For warranty claims or technical support, please contact your authorized EBC dealer or the point of purchase. Ensure you have your proof of purchase and product details readily available.