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> Monroe DX906 Total Solution Semi-Metallic Brake Pad User Manual

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MODEL: DX906

PRODUCT OVERVIEW

The Monroe DX906 Total Solution Semi-Metallic Brake Pads are engineered to provide an ultra-premium stopping solution for your vehicle. Designed to meet or exceed Original Equipment (OE) specifications, these brake pads offer reliable performance and durability. They incorporate advanced technology to reduce noise and enhance braking efficiency.



Image: A set of four Monroe DX906 Total Solution Semi-Metallic Brake Pads. Each pad is dark grey with the Monroe logo and model number 'DX906 MON262EE' printed in yellow on the backing plate.

KEY FEATURES

- Vehicle Specific Engineered Designs that Meet or Exceed OE Specifications, ensuring a precise fit and optimal performance.

- Ultra-Premium Rubberized Shim Technology, specifically designed to reduce noise and vibration for a quieter braking experience.
- Includes, where applicable, Stainless Steel Noise Elimination Hardware, Wire Wear Sensors, Sensory Locking Plate Technology, and Brake Lubricant for a complete installation solution.

INSTALLATION GUIDE

Installation of brake components requires mechanical knowledge and specialized tools. For safety and proper function, professional installation is highly recommended. If you choose to perform the installation yourself, please follow these general guidelines and always refer to your vehicle's service manual for specific torque specifications and procedures.

General Safety Precautions

- Always consult a qualified mechanic if unsure about installation procedures.
- Wear appropriate personal protective equipment (PPE), including safety glasses and gloves.
- Ensure the vehicle is securely supported on jack stands before beginning work. Never work under a vehicle supported only by a jack.
- Allow brake components to cool completely before handling to prevent burns.
- Do not allow brake fluid to come into contact with painted surfaces, as it can damage paint.

Installation Steps (General)

1. **Prepare the Vehicle:** Park the vehicle on a level, firm surface. Engage the parking brake and place wheel chocks behind the wheels that will remain on the ground. Loosen the lug nuts on the wheel(s) to be serviced while the vehicle is still on the ground.
2. **Lift and Secure:** Using a hydraulic jack, lift the vehicle to a safe working height. Place sturdy jack stands under the vehicle's frame or designated jack points and slowly lower the vehicle onto the stands. Remove the lug nuts and the wheel(s).
3. **Remove Caliper:** Depending on your vehicle, you may need to remove the caliper mounting bolts. Carefully slide the caliper off the rotor. Do not let the caliper hang by the brake hose; support it with a wire or bungee cord to prevent damage to the hose.
4. **Remove Old Pads:** Remove the old brake pads from the caliper bracket. Note their orientation (inner and outer pads may differ).
5. **Clean and Inspect:** Thoroughly clean the caliper bracket, caliper piston, and rotor surface. Inspect the brake rotor for excessive wear, deep grooves, cracks, or signs of warping. Replace the rotor if necessary.
6. **Install New Pads:** Apply a thin layer of brake lubricant (provided or recommended by manufacturer) to the caliper slide pins and any metal-to-metal contact points on the new pads and caliper bracket. Install the new Monroe DX906 brake pads into the caliper bracket, ensuring proper fitment and orientation.
7. **Retract Piston:** Use a brake caliper piston compression tool to slowly and evenly retract the caliper piston(s) into the caliper body. This creates space for the new, thicker brake pads.
8. **Reinstall Caliper:** Carefully slide the caliper back over the new pads and rotor. Reinstall the caliper mounting bolts and tighten them to the vehicle manufacturer's specified torque.
9. **Reinstall Wheel:** Reinstall the wheel(s) and hand-tighten the lug nuts.
10. **Lower Vehicle:** Lift the vehicle slightly with the jack, remove the jack stands, and slowly lower the vehicle to the ground. Torque the lug nuts to the vehicle manufacturer's specifications using a torque wrench.

11. **Pump Brake Pedal:** Before driving, slowly pump the brake pedal several times until a firm pedal feel is achieved. This action pushes the caliper pistons out and seats the new pads against the rotor. Check the brake fluid reservoir and top off if necessary.

12. **Bed-in Procedure:** Follow the manufacturer's recommended bed-in procedure for new brake pads. This typically involves a series of moderate stops from varying speeds to properly mate the pads to the rotors and ensure optimal performance and longevity.

MAINTENANCE

Regular inspection and maintenance of your brake system are critical for vehicle safety and performance. It is recommended to inspect brake pads during tire rotations or at least every 12,000 miles (20,000 km), or as specified by your vehicle manufacturer.

Inspection Points:

- **Pad Thickness:** Check the remaining friction material thickness. Replace pads when they reach their minimum recommended thickness (typically 2-3mm or as indicated by wear indicators).
- **Even Wear:** Ensure pads are wearing evenly across the surface. Uneven wear can indicate issues with the caliper, caliper slides, or rotor.
- **Noise:** Listen for unusual squealing, grinding, or clicking noises during braking, which often indicate worn pads or other braking system issues.
- **Rotor Condition:** Inspect brake rotors for deep grooves, cracks, excessive rust, or signs of overheating (blue spots).
- **Brake Fluid:** Check the brake fluid level and condition in the master cylinder reservoir. Consult your vehicle manual for proper fluid type and replacement intervals.
- **Caliper Operation:** Ensure calipers are moving freely and not sticking.

TROUBLESHOOTING COMMON BRAKE ISSUES

Symptom	Possible Cause	Solution
Squealing Noise	Worn pads, improper installation (lack of lubricant on contact points), glazed rotors, or worn shims.	Inspect pads for wear, ensure proper lubrication during installation, consider rotor resurfacing or replacement.
Grinding Noise	Severely worn pads (metal-on-metal contact), foreign object lodged in caliper.	Immediately replace brake pads and inspect rotors for damage. Address any foreign objects.
Vibration/Pulsation through Pedal	Warped rotors, uneven pad wear, loose caliper, or wheel bearing issues.	Inspect and replace/resurface rotors, check caliper mounting and wheel bearings.
Soft/Spongy Brake Pedal	Air in brake lines, low brake fluid, faulty master cylinder, or leaking brake lines.	Bleed brake lines to remove air, check fluid level, inspect entire brake system for leaks.

Symptom	Possible Cause	Solution
Vehicle Pulls to One Side During Braking	Sticking caliper, uneven pad wear, contaminated pad, or suspension/alignment issues.	Inspect calipers for proper function, check pads for contamination or uneven wear, verify alignment.
Excessive Brake Dust	Normal for some pad compounds (especially semi-metallic), or aggressive driving.	Clean wheels regularly. If excessive and accompanied by other symptoms, inspect system.
Longer Stopping Distance	Worn pads, glazed pads/rotors, brake fluid issues, or improper bed-in.	Inspect entire brake system, replace worn components, perform bed-in procedure if new pads.
Burning Smell After Braking	Overheated brakes due to aggressive driving, dragging caliper, or new pads bedding in.	Allow brakes to cool. Inspect for dragging calipers or other issues causing excessive heat. If new, this may subside after bed-in.

SPECIFICATIONS

- **Brand:** Monroe
- **Model Number:** DX906
- **Material:** Semi-Metallic friction material with Stainless Steel hardware (where applicable)
- **Auto Part Position:** Rear (as per product specifications)
- **Vehicle Service Type:** Truck (as per product specifications)
- **Specification Met:** OEM (Original Equipment Manufacturer)
- **Item Weight:** Approximately 4.25 pounds (per set)
- **Product Dimensions:** Approximately 7.6 x 6.9 x 2.6 inches
- **Number of Items:** 2 (This typically refers to a set for one axle, containing 4 individual pads)
- **UPC:** 048598972552
- **ASIN:** B0016J8OAC

WARRANTY AND SUPPORT

Monroe products are manufactured to high-quality standards. For specific warranty information, terms, and conditions, please refer to the official Monroe website or the documentation included with your purchase. Warranty coverage typically addresses manufacturing defects.

For technical support, product inquiries, or warranty claims, please contact Monroe customer service directly. Contact information can usually be found on their official website.

Manufacturer: Monroe

Official Website: www.monroe.com

Customer Service: Please visit the official Monroe website for the most current contact details.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question