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maXpeedingrods EL55BP

# maXpeedingrods Extended Brake Lines for Jeep Wrangler JK (2007-2018)

Model: EL55BP | Brand: maXpeedingrods

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## 1. INTRODUCTION AND PRODUCT OVERVIEW

These maXpeedingrods extended brake lines are designed to replace standard rubber brake lines on Jeep Wrangler JK models (2-Door and 4-Door, 2WD and 4WD) manufactured between 2007 and 2018. They are specifically engineered for vehicles equipped with a 4-6 inch suspension lift kit.

When a vehicle's suspension is lifted, the distance between the chassis and the axle increases, requiring longer brake lines to prevent stretching or damage during full suspension articulation. These stainless steel braided lines provide the necessary additional length and offer enhanced durability and improved braking response compared to original equipment (OE) rubber lines.

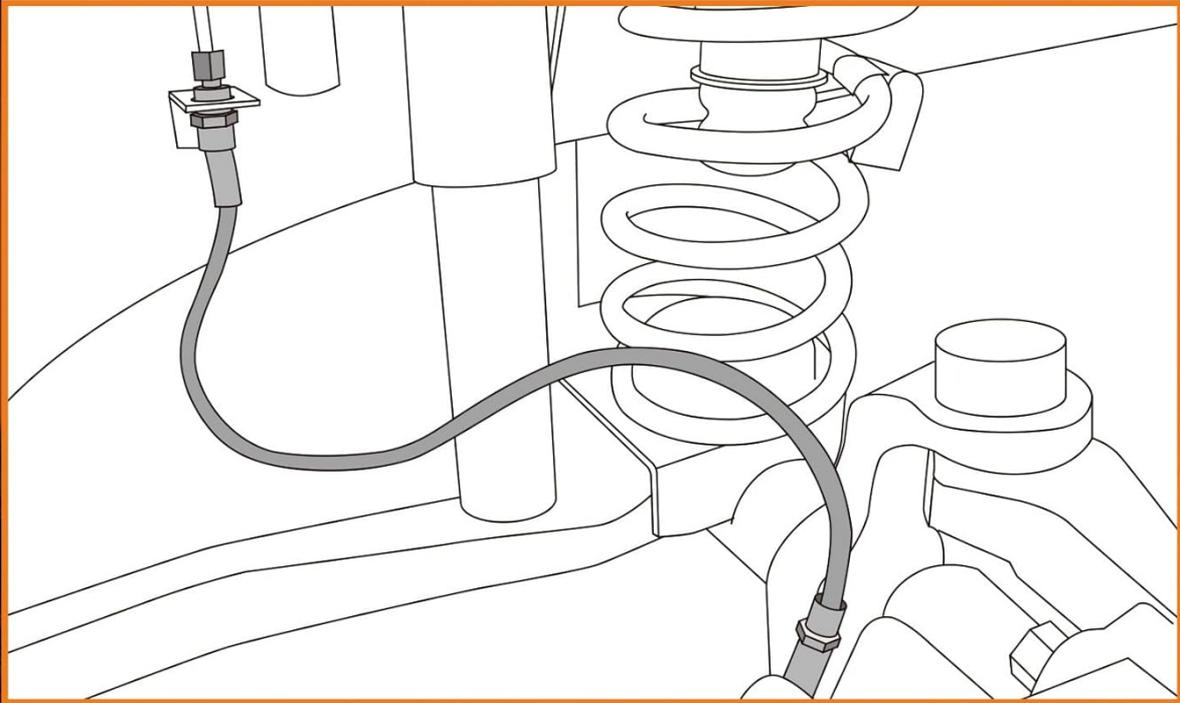
The stainless steel construction resists expansion under pressure, which can lead to a firmer brake pedal feel and more consistent braking performance, especially beneficial when upgrading to larger tires that demand increased braking pressure.

## 2. FITMENT AND COMPATIBILITY

- **Vehicle Compatibility:** Jeep Wrangler JK 2-Door (2WD/4WD) 2007-2018
- **Vehicle Compatibility:** Jeep Wrangler JK 4-Door (JKU) (2WD/4WD) 2007-2018
- **Lift Compatibility:** Designed for vehicles with 4-6 inch suspension lift kits installed.

It is crucial to verify your vehicle's make, model, year, and lift height to ensure proper fitment before installation.

# Adjustable For **4-6"** Lifted Suspension



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*Image: Diagram illustrating how extended brake lines accommodate a lifted suspension.*

### 3. PACKAGE CONTENTS

Please inspect the package contents upon receipt to ensure all components are present and undamaged.

- 2 x Front Extended Brake Lines
- 2 x Rear Extended Brake Lines
- Necessary Installation Hardware (washers, clips)

# What's In The Box

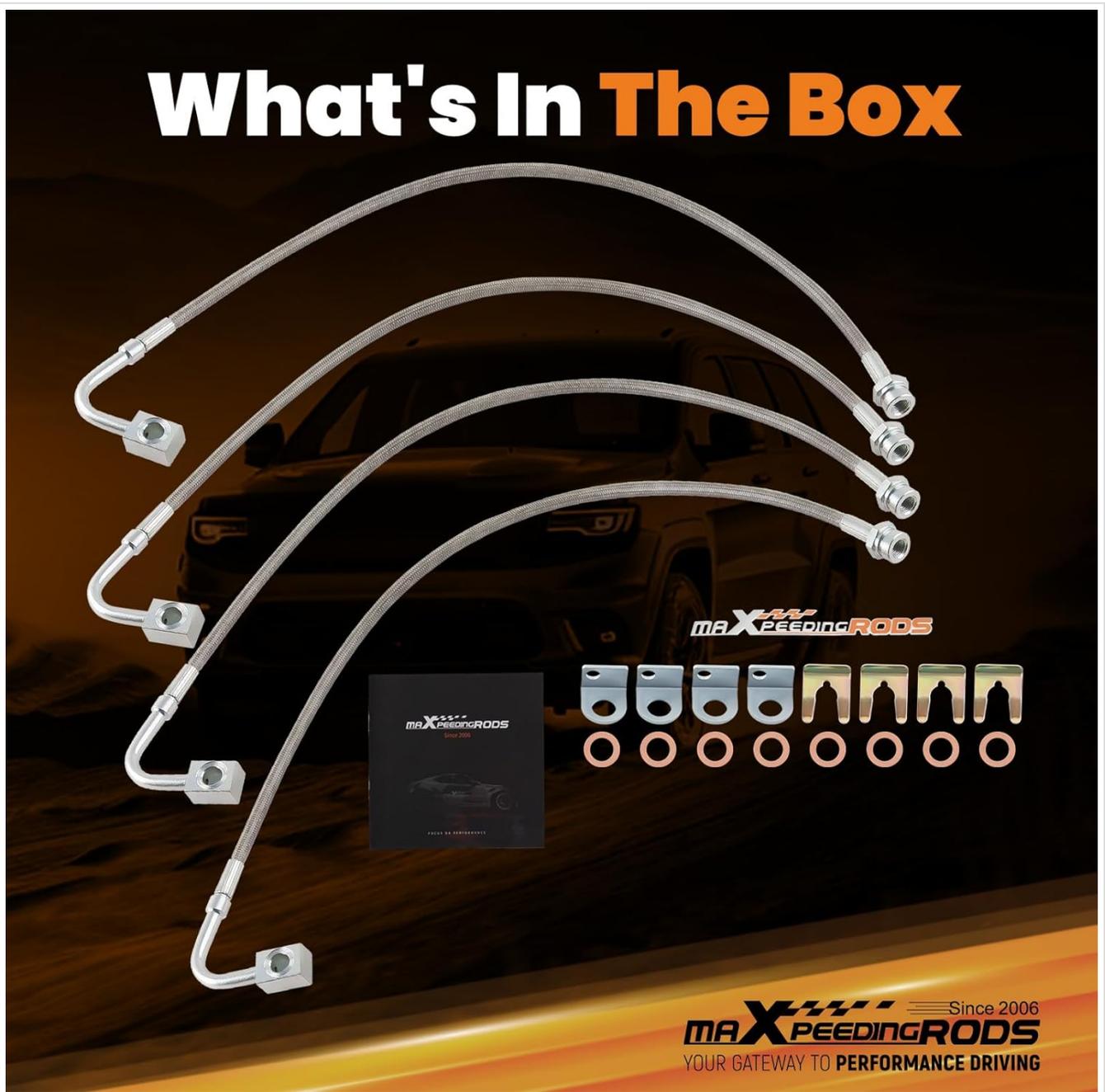


Image: Contents of the kit, including four stainless steel braided brake lines and mounting hardware.

## 4. SETUP AND INSTALLATION

**Warning:** Installation of brake components requires specialized knowledge and tools. Improper installation can lead to brake failure, serious injury, or death. It is highly recommended that installation be performed by a qualified professional mechanic.

### 4.1 Safety Precautions

- 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. Never work under a vehicle supported only by a jack.
- Disconnect the negative terminal of the vehicle's battery.
- Brake fluid is corrosive. Avoid contact with skin, eyes, and painted surfaces. Clean up spills immediately.

### 4.2 General Installation Steps (Professional Installation Recommended)

1. **Prepare Vehicle:** Lift the vehicle and secure it on jack stands. Remove wheels.
2. **Drain Brake Fluid:** If necessary, drain some brake fluid from the master cylinder reservoir to prevent overflow during line removal.
3. **Remove Old Brake Lines:** Carefully disconnect the existing brake lines from the caliper/wheel cylinder and the frame mounting point. Be prepared for brake fluid leakage.
4. **Install New Brake Lines:** Attach the new extended brake lines, ensuring proper routing to avoid contact with moving suspension components or sharp edges. Use the provided hardware. Ensure all fittings are tightened to manufacturer specifications (consult a service manual for torque values).
5. **Bleed Brake System:** This is a critical step. Air introduced into the brake system during line replacement must be removed. Follow the vehicle manufacturer's recommended brake bleeding procedure, typically starting with the wheel furthest from the master cylinder and working towards the closest. This often requires two people.
6. **Inspect for Leaks:** After bleeding, visually inspect all connections for any signs of brake fluid leakage.
7. **Test Brake Pedal:** With the engine off, pump the brake pedal several times. The pedal should feel firm and consistent. If it feels spongy, re-bleed the system.
8. **Reinstall Wheels:** Reinstall the wheels and lower the vehicle.

## 5. OPERATING AND POST-INSTALLATION CHECKS

After installation, perform the following checks before driving the vehicle:

- **Brake Pedal Feel:** The brake pedal should feel firm and consistent. A spongy pedal indicates air in the system, requiring further bleeding.
- **Fluid Level:** Check the brake fluid level in the master cylinder reservoir and top up if necessary with the correct type of brake fluid specified by your vehicle manufacturer.
- **Leak Inspection:** Visually inspect all brake line connections for any signs of leakage.
- **Road Test:** Perform a cautious road test in a safe, open area at low speeds. Test the brakes gently at first, then gradually increase pressure. Listen for unusual noises and observe braking performance. Ensure the vehicle stops straight and without excessive pedal travel.

## 6. MAINTENANCE

Regular inspection and maintenance are essential for the longevity and safe operation of your brake system.

- **Periodic Inspection:** Regularly inspect the brake lines for any signs of wear, fraying, kinks, or damage. Check for corrosion on fittings.
- **Leak Checks:** Periodically check all brake line connections for leaks, especially after off-road driving or heavy use.
- **Brake Fluid:** Monitor brake fluid level and condition. Replace brake fluid according to your vehicle manufacturer's recommendations.
- **Routing:** Ensure brake lines remain properly routed and secured, away from moving parts or heat sources.



Image: Detail of the high-strength stainless steel braided line and fitting.

## 7. TROUBLESHOOTING

If you experience any issues after installing the extended brake lines, consider the following common problems and solutions:

- **Spongy Brake Pedal:** This is typically caused by air trapped in the brake system. Re-bleed the entire brake system thoroughly, ensuring no air bubbles remain.
- **Brake Fluid Leaks:** Check all connections for proper tightness. Ensure flare nuts are correctly seated and not cross-threaded. Inspect the brake lines themselves for any damage.
- **Poor Braking Performance:** Could be related to air in the lines, improper installation, or issues with other brake components. If bleeding does not resolve the issue, consult a professional mechanic.
- **Brake Line Rubbing/Contact:** If brake lines are rubbing against suspension components or the chassis, re-route and secure them using appropriate clips or zip ties to prevent damage.

If troubleshooting steps do not resolve the issue, seek assistance from a certified automotive technician.

## 8. SPECIFICATIONS

Feature	Specification
Model Number	EL55BP
Material	Stainless Steel Braided
Color	Silver
Front Brake Line Length	24 inches (approx. 610 mm)
Rear Brake Line Length	22.5 inches (approx. 571.5 mm)
Lift Compatibility	4-6 inch suspension lifts
Item Weight	2.31 pounds (approx. 1050 grams)
Product Dimensions (Package)	10.94 x 7.8 x 4.29 inches

# Extended Brake Line Length



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*Image: Visual representation of front and rear brake line lengths.*

## 9. WARRANTY AND SUPPORT

maXpeedingrods provides the following support for this product:

- **Limited Warranty:** 1-year limited warranty for quality-related issues from the date of purchase.
- **Technical Support:** Lifetime technical support is available.

For any questions, technical assistance, or warranty claims, please contact maXpeedingrods customer support.