

APDTY 139269

APDTY 139269 Rear Leaf Spring Shackle Kit Instruction Manual

1. INTRODUCTION

This manual provides essential information for the proper installation, maintenance, and understanding of the APDTY 139269 Rear Leaf Spring Shackle Kit. This kit is designed as a direct replacement component for specific vehicle models to ensure correct suspension function.

1.1 Product Overview

The APDTY 139269 Rear Leaf Spring Shackle Kit is a critical component of a vehicle's rear suspension system. It connects the leaf spring to the vehicle frame, allowing for necessary movement and flexibility while supporting the vehicle's weight and absorbing road impacts. This kit includes the necessary shackle components for a complete replacement.

1.2 Vehicle Compatibility

This APDTY 139269 Rear Leaf Spring Shackle Kit is compatible with the rear-rearward position of the following vehicle models:

- 2009-2014 Ford F-150
- 2009-2014 Ford Lobo
- 2010-2014 Lincoln Mark LT

Always verify compatibility with your specific vehicle's make, model, and year before installation.

2. SAFETY INFORMATION

WARNING: California Proposition 65

This product contains 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.

Automotive repair and installation can be hazardous. Always follow proper safety procedures and use appropriate personal protective equipment (PPE), including safety glasses, gloves, and hearing protection. Ensure the vehicle is securely supported on jack stands or a lift before beginning any work. It is highly

recommended that installation be performed by a qualified automotive technician.

3. PACKAGE CONTENTS

The APDTY 139269 Rear Leaf Spring Shackle Kit typically includes the following components:

- Rear Leaf Spring Shackle Assembly
- Associated mounting hardware (bolts, nuts, washers)

Please inspect all components upon receipt to ensure everything is present and undamaged. If any parts are missing or damaged, contact your supplier immediately.



Figure 1: Side view of the APDTY 139269 Rear Leaf Spring Shackle Kit, showing the main shackle body and mounting bolts.



Figure 2: Front view of the APDTY 139269 Rear Leaf Spring Shackle Kit, illustrating the complete assembly with bushings and hardware.

4. SETUP AND INSTALLATION

Installation of the APDTY 139269 Rear Leaf Spring Shackle Kit requires specialized tools and automotive knowledge. Professional installation by a certified mechanic is strongly recommended to ensure safety and proper function.

4.1 General Installation Steps (Consult Service Manual)

1. **Prepare Vehicle:** Park the vehicle on a level surface, engage the parking brake, and block the front wheels. Lift the rear of the vehicle using a hydraulic jack and support it securely with jack stands under the frame, ensuring the rear axle is free to hang.
2. **Remove Wheels:** Remove the rear wheels to gain better access to the suspension components.
3. **Support Axle:** Place a floor jack under the rear axle to support its weight and allow for controlled movement.
4. **Remove Old Shackle:** Carefully unbolt and remove the existing rear leaf spring shackle. Note the

orientation of the old shackle for correct installation of the new part.

5. **Install New Shackle:** Position the new APDTY 139269 shackle kit in the same orientation as the original. Install the new bolts and nuts, but do not fully tighten them at this stage.
6. **Lower Vehicle and Torque:** Slowly lower the vehicle until its full weight is resting on the suspension (or as specified by the vehicle service manual). Once the suspension is under load, tighten all shackle bolts to the manufacturer's specified torque values. Refer to your vehicle's service manual for exact torque specifications.
7. **Reinstall Wheels and Test:** Reinstall the rear wheels and lower the vehicle completely. Perform a test drive in a safe area to ensure proper operation and check for any unusual noises or handling characteristics.

Always refer to your vehicle's specific service manual for detailed, model-specific installation instructions and torque specifications.

5. OPERATING

The APDTY 139269 Rear Leaf Spring Shackle Kit is a passive mechanical component of your vehicle's suspension system. Once correctly installed, it operates continuously as part of the suspension, allowing the leaf springs to flex and absorb road irregularities. There are no user-adjustable operating controls for this component.

6. MAINTENANCE

Proper maintenance of your vehicle's suspension components, including the leaf spring shackles, is crucial for safety and longevity. While the APDTY 139269 shackle kit is designed for durability, periodic inspection is recommended.

- **Visual Inspection:** During routine vehicle maintenance (e.g., oil changes, tire rotations), visually inspect the shackles for signs of wear, corrosion, cracks, or damage. Check for loose or missing hardware.
- **Bushing Condition:** Inspect the rubber or polyurethane bushings within the shackle for cracking, deterioration, or excessive play. Worn bushings can lead to noise and poor handling.
- **Cleanliness:** Keep the area around the shackles free from excessive dirt, mud, and road salt, which can accelerate corrosion.
- **Professional Check:** If you notice any unusual noises (squeaks, clunks) from the rear suspension, or experience changes in vehicle handling, have a qualified technician inspect the suspension system, including the shackles.

7. TROUBLESHOOTING

If you experience issues with your vehicle's rear suspension after installing or while using the APDTY 139269 Rear Leaf Spring Shackle Kit, consider the following common troubleshooting points:

- **Noise (Squeaking/Clunking):**
 - **Cause:** Loose hardware, worn bushings, or lack of lubrication.
 - **Solution:** Check all mounting bolts for proper torque. Inspect bushings for wear and replace if necessary. Some bushings may benefit from specific lubrication (consult manufacturer guidelines).
- **Poor Handling/Instability:**
 - **Cause:** Incorrect installation, damaged shackle, or issues with other suspension components.

- **Solution:** Re-verify installation steps and torque specifications. Inspect the shackle for any signs of bending or damage. Have a professional inspect the entire suspension system.
- **Uneven Ride Height:**
 - **Cause:** Incorrect part, damaged shackle, or issues with leaf springs.
 - **Solution:** Confirm the correct part was installed. Inspect the shackle and leaf springs for damage or fatigue.

For persistent issues, it is always best to consult a professional automotive technician.

8. SPECIFICATIONS

Specification	Detail
Brand	APDTY
Model Number	139269
Item Weight	3.94 pounds
Product Dimensions	7 x 6 x 4.3 inches
Manufacturer Part Number	139269
OEM Part Number	BL3Z5776A
Exterior Finish	Ready To Paint If Needed

9. WARRANTY AND SUPPORT

For information regarding product warranty, returns, or technical support, please refer to the official APDTY website or contact your point of purchase. APDTY is committed to providing quality automotive replacement parts.

You can visit the APDTY store for more products and information:[APDTY Store on Amazon](#).