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MAC 149930

Front Steering Chassis 14pc Kit Instruction Manual

Brand: MAC

1. PRODUCT OVERVIEW

This MAC Steering and Suspension Kit is a comprehensive 14-piece replacement set designed for specific Ford and Lincoln 2-wheel drive models. It provides direct replacement components for a trouble-free installation, ensuring OE fit and form geometry and alignment. The control arms feature an anti-corrosion coating for extended life. All components are manufactured by ISO certified factories to meet stringent requirements for fit, form, and function.



Figure 1.1: Overview of the 14-piece Front Steering Chassis Kit, showing all included components such as control arms, tie rods, ball joints, idler arm, pitman arm, and sway bar links.

2. COMPATIBILITY

This kit is specifically designed for 2-wheel drive models only and includes an idler arm with a 2.48" bolt pattern. Verify your vehicle's specifications before installation.

Applicable Vehicle Models:

- 1997-2002 Ford Expedition 2 Wheel Drive
- 1997-1999 Ford F250 2 Wheel Drive (Excludes Super Duty models)
- 1997-2003 Ford F150 2 Wheel Drive
- 2004 Ford F150 Heritage Model Only 2 Wheel Drive
- 1999-2004 Ford F150 Lightning Model Only 2 Wheel Drive
- 2002-2002 Lincoln Blackwood 2 Wheel Drive Only
- 1998-2002 Lincoln Navigator 2 Wheel Drive Only

3. KIT CONTENTS

The complete 14-piece kit includes the following components (Reference: CFF1502502WDK):

- 1x Part# K8726T Driver side front upper control arm with bushing & ball joint
- 1x Part# K8728T Passenger Side front upper control arm with bushing & ball joint
- 1x Part# ES3367T Passenger side outer tie rod
- 1x Part# ES3364T Passenger side inner tie rod
- 1x Part# ES3365T Driver side inner tie rod
- 1x Part# ES3366T Driver side outer tie rod
- 2x Part# K8695T Lower Ball Joints
- 1x Part# K8739T Style 1 Idler arm (2.48" Bolt pattern)
- 1x Part# K8700 Pitman Arm
- 2x Part# K8772 Front Sway Bar Links
- 1x Part# K620056 Driver side Lower Control Arm With Bushings & Ball Joint
- 1x Part# K620055 Passenger side Lower Control Arm With Bushings & Ball Joint

4. SETUP AND INSTALLATION

Installation of steering and suspension components requires specialized tools and knowledge. It is highly recommended that this kit be installed by a certified professional mechanic to ensure proper fitment, alignment, and vehicle safety. Incorrect installation can lead to vehicle instability, premature wear of components, and potential safety hazards.

General Installation Considerations:

- **Safety First:** Always use appropriate safety equipment, including jack stands, wheel chocks, and personal protective gear.
- **Vehicle Preparation:** Ensure the vehicle is securely lifted and supported. Disconnect the battery if working near electrical components.
- **Component Removal:** Carefully remove existing steering and suspension components, noting their orientation and connections.
- **New Component Installation:** Install new MAC components, ensuring all bolts are torqued to manufacturer specifications. Refer to your vehicle's service manual for specific torque values.
- **Alignment:** After replacing steering and suspension components, a professional wheel alignment is mandatory. This ensures correct steering geometry, tire wear, and vehicle handling.
- **Brake Inspection:** It is advisable to inspect brake components (pads, rotors, calipers) while the wheels are off.

5. OPERATING CONSIDERATIONS

Once the steering and suspension kit is professionally installed and the vehicle has undergone a wheel alignment, the vehicle should operate with improved steering response and ride quality. Pay attention to any unusual noises, vibrations, or steering feel immediately after installation and during the first few drives. If any anomalies are detected, cease operation and consult with the installing mechanic.

- **Initial Drive:** Drive cautiously for the first few miles to ensure all components are functioning correctly.
- **Steering Feel:** The steering should feel precise and responsive. Any looseness or excessive play indicates a potential issue.
- **Noise:** Listen for any new squeaks, clunks, or groans, which could indicate improper installation or component interference.
- **Alignment Check:** If the vehicle pulls to one side or the steering wheel is not centered, the alignment may need further adjustment.

6. MAINTENANCE

Proper maintenance of your steering and suspension components is crucial for longevity and safety. While many modern components are "sealed for life," regular inspection is still recommended.

- **Regular Inspections:** During routine vehicle maintenance (e.g., oil changes), have a mechanic inspect the steering and suspension components for signs of wear, damage, or loose fasteners.
- **Boot Integrity:** Check the rubber boots on ball joints and tie rod ends for cracks, tears, or leaks. Damaged boots can lead to contamination and premature failure.
- **Alignment Checks:** Consider having your wheel alignment checked annually or if you notice uneven tire wear or steering issues.
- **Cleaning:** Keep the undercarriage clean, especially after driving in harsh conditions (e.g., salted roads), to prevent corrosion.

7. TROUBLESHOOTING

This section provides general guidance for common issues that may arise with steering and suspension systems. For complex problems, consult a qualified mechanic.

Symptom	Possible Cause	Action
Vehicle pulls to one side	Misalignment, worn tire, uneven tire pressure	Check tire pressure, get professional wheel alignment.
Excessive steering play or looseness	Loose tie rod ends, worn ball joints, worn idler/pitman arm	Inspect components for wear; tighten or replace as necessary.
Clunking or knocking noises over bumps	Loose or worn ball joints, control arm bushings, sway bar links	Inspect and replace worn components. Ensure all fasteners are tight.
Uneven tire wear	Misalignment, worn suspension components	Get professional wheel alignment. Inspect and replace worn parts.

8. SPECIFICATIONS

- Manufacturer:** Mac Auto Parts
- Brand:** MAC
- Model Number:** 149930
- ASIN:** B01M4M9RJ9
- Kit Type:** 14-piece Front Steering Chassis Kit
- Drive Type Compatibility:** 2 Wheel Drive Only
- Idler Arm Bolt Pattern:** 2.48 inches
- Key Features:** Direct replacement, OE fit and form, Anti-corrosion coating, ISO certified manufacturing.

9. WARRANTY INFORMATION

The warranty for your MAC steering and suspension kit is stated on the product listing at the time of purchase. For specific details regarding coverage, duration, and claims procedures, please refer to your purchase documentation or

contact the seller directly.

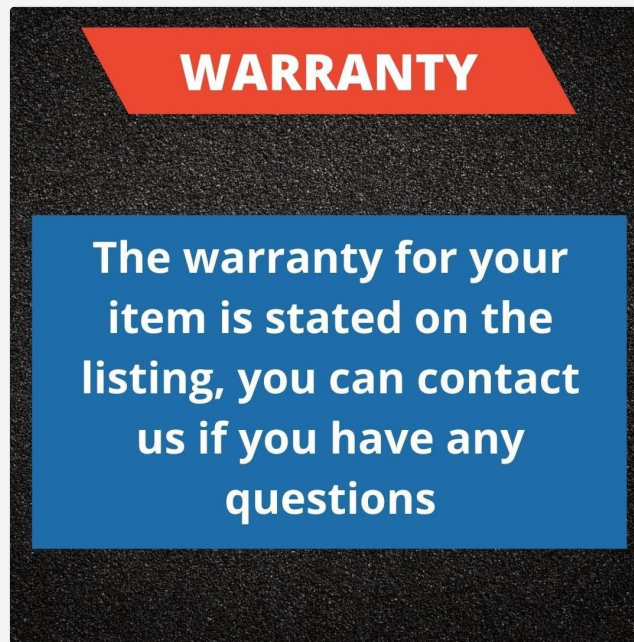


Figure 9.1: General warranty statement from MAC Auto Parts.

10. SUPPORT AND CONTACT

For technical assistance, installation inquiries, or warranty claims, please contact the seller or manufacturer directly. Ensure you have your product model number (149930) and purchase details available when contacting support. You can typically find contact information on your purchase receipt or the original product packaging. For general inquiries about MAC Auto Parts, you may visit their official website or contact their customer service department.

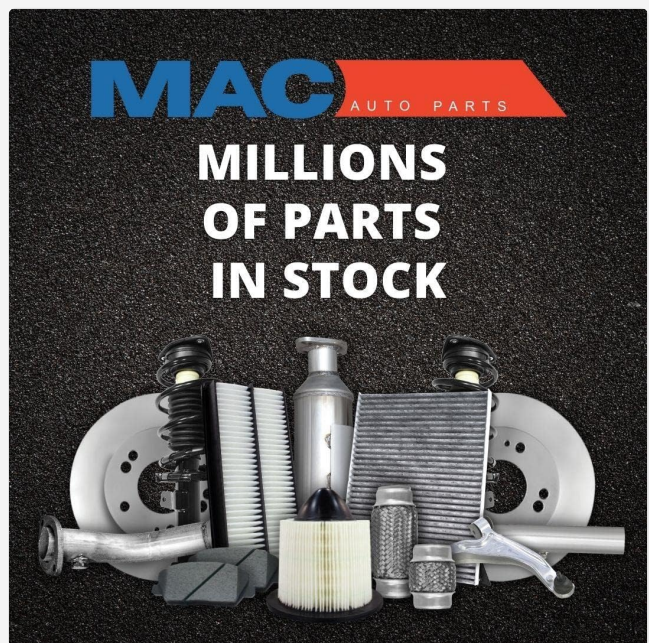


Figure 10.1: MAC Auto Parts branding and representation of their extensive parts inventory.

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This manual is for informational purposes only. Always consult a professional for installation and service.

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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.

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