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› Belltech 150212TP 4" Trail Performance Suspension Lift Kit Instruction Manual for 2019-2022 Chevrolet Silverado/GMC Sierra 1500 4WD

Belltech 150212TP

Belltech 150212TP 4" Trail Performance Suspension Lift Kit Instruction Manual

For 2019-2022 Chevrolet Silverado/GMC Sierra 1500 4WD

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of the Belltech 150212TP 4-inch Trail Performance Suspension Lift Kit. This kit is designed to provide a 4-inch lift for 2019-2022 Chevrolet Silverado and GMC Sierra 1500 4WD models, enhancing vehicle stance and off-road capability. Please read all instructions carefully before beginning installation to ensure proper function and safety.

2. SAFETY INFORMATION

Always prioritize safety during installation and operation. Failure to follow safety guidelines can result in serious injury or damage to the vehicle.

- 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 before working underneath. Never rely solely on a jack.
- Disconnect the vehicle's battery before beginning any electrical work.
- Refer to your vehicle's service manual for specific torque specifications and procedures.
- Professional installation is highly recommended for suspension modifications.
- Keep hands and clothing clear of moving parts.

3. PACKAGE CONTENTS

Verify that all components listed below are present and undamaged before beginning installation. If any parts are missing or damaged, contact Belltech customer support immediately.

- Front Trail Performance Struts/Shocks
- Rear Trail Performance Struts/Shocks
- Upper Control Arms (2)
- U-bolts (4)

- Skid Plate
- Associated hardware and bushings



Image 3.1: The Belltech 150212TP 4-inch Trail Performance Suspension Lift Kit includes front and rear Trail Performance struts/shocks, upper control arms, U-bolts, and a skid plate, among other necessary hardware for a complete 4-inch suspension lift.

4. SETUP AND INSTALLATION

This section outlines the general steps for installing the Belltech 150212TP lift kit. Specific vehicle service manual procedures should be followed for detailed component removal and installation.

4.1 Pre-Installation Check

- Verify all components are present and undamaged against the package contents list.
- Read through all instructions and the vehicle's service manual before beginning.
- Ensure you have all necessary tools, including a torque wrench, jack, jack stands, and appropriate sockets/wrenches.

4.2 Vehicle Preparation

- Park the vehicle on a firm, level surface.
- Engage the parking brake and block the rear wheels.
- Loosen the lug nuts on both front and rear wheels.
- Lift the front of the vehicle using a suitable jack and support it securely with jack stands placed under the frame rails.
- Remove the front wheels. Repeat for the rear of the vehicle.

4.3 Front Suspension Installation

- Disconnect the sway bar end links, tie rod ends, and brake lines as necessary, following vehicle manufacturer guidelines.
- Carefully remove the factory struts and upper control arms.
- Install the new Belltech upper control arms and Trail Performance struts. Ensure all components are oriented correctly.
- Reconnect all previously disconnected components, ensuring proper torque specifications are met for all fasteners.

4.4 Rear Suspension Installation

- Support the rear axle with a jack.
- Disconnect the factory shocks and U-bolts.
- Install the new Belltech Trail Performance shocks and U-bolts.
- Lower the vehicle carefully and re-install the wheels. Torque lug nuts to factory specifications.

4.5 Post-Installation

- Perform a full vehicle alignment immediately after installation to ensure proper handling and tire wear.
- Check all fasteners after 500 miles of driving and re-torque as needed.

5. OPERATING INSTRUCTIONS

After installing the lift kit, the vehicle's driving characteristics will change. It is important to adjust your driving habits accordingly.

- The vehicle's center of gravity will be higher. Drive cautiously, especially during turns, braking, and off-road maneuvers.
- Be aware of the increased vehicle height when entering garages, parking structures, or other low-clearance areas.
- Allow for a break-in period for new suspension components. During this time, avoid aggressive driving.
- Always ensure tire pressure is maintained according to the vehicle manufacturer's recommendations or adjusted for larger tires if applicable.

6. MAINTENANCE

Regular inspection and maintenance will ensure the longevity and performance of your Belltech lift kit.

- Regularly inspect all suspension components for wear, damage, or loose fasteners. Pay close attention to bushings, ball joints, and shock absorbers.
- Clean components as needed, especially after off-road use, to prevent dirt and debris buildup.
- Follow manufacturer's recommendations for lubrication of moving parts, if applicable.
- Periodically check and re-torque all fasteners, especially after the initial break-in period and after severe off-road use.

7. TROUBLESHOOTING

This section addresses common issues that may arise after installation.

7.1 Noise from Suspension

- **Possible Cause:** Loose fasteners. **Solution:** Check and re-torque all bolts and nuts to specified values.
- **Possible Cause:** Worn or improperly seated bushings. **Solution:** Inspect bushings for damage or incorrect installation. Replace if necessary.
- **Possible Cause:** Components rubbing. **Solution:** Inspect for contact between suspension parts, frame, or body. Adjust routing or trim as needed.

7.2 Uneven Ride Height

- **Possible Cause:** Incorrect installation of components. **Solution:** Verify correct installation of all struts, springs, and other lift components. Ensure springs/struts are seated correctly.
- **Possible Cause:** Settling of components. **Solution:** Drive the vehicle for a short period and re-measure. If unevenness persists, re-inspect installation.

7.3 Poor Handling or Steering Issues

- **Possible Cause:** Misalignment. **Solution:** An immediate wheel alignment is crucial after lift kit installation. Ensure it is performed by a qualified technician.
- **Possible Cause:** Incorrect tire pressure. **Solution:** Check and adjust tire pressure to recommended levels.
- **Possible Cause:** Loose steering components. **Solution:** Inspect all steering linkages and components for tightness and wear.

8. SPECIFICATIONS

Feature	Detail
Brand	Belltech
Model Number	150212TP
Maximum Lifting Height	4 Inches
Material	Alloy Steel
Included Components	Front and Rear Trail Performance Struts/Shocks, Upper Control Arms, U-bolts, Skid Plate
Automotive Fit Type	Vehicle Specific Fit (2019-2022 Chevrolet Silverado/GMC Sierra 1500 4WD)
Item Weight	64.1 Pounds
UPC/GTIN	722439008418

9. WARRANTY INFORMATION

This Belltech product is covered by a manufacturer's warranty. The specific terms and duration of the warranty may vary. For detailed warranty terms and conditions, including coverage, limitations, and claim procedures, please refer to the official Belltech website or contact Belltech customer support directly. Keep your proof of purchase for warranty claims.

10. SUPPORT AND CONTACT

For technical assistance, installation questions, or warranty claims, please contact Belltech customer support. Additional resources, FAQs, and contact details can be found on the official Belltech website.

- **Official Belltech Website:** www.belltech.com (Please visit for the most current contact information and support resources.)