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> Truxxx 406027 3-inch Front and 2-inch Rear Lift Kit Installation Manual for GM SUVs (2007-2020) with Magnetic Ride

Truxxx 406027

Truxxx 406027 3-inch Front and 2-inch Rear Lift Kit Installation Manual

Model: **406027** | Brand: **Truxxx**

Compatible with Cadillac Escalade, Chevy Suburban, Chevy Tahoe, GMC Yukon, and Chevy Avalanche (2007-2020) - All models and engines WITH Magnetic Ride.

1. INTRODUCTION

This manual provides comprehensive instructions for the proper installation and maintenance of your Truxxx 406027 3-inch front and 2-inch rear lift kit. This kit is engineered to increase your vehicle's ride height while preserving the original equipment manufacturer (OEM) ride quality. It is designed for direct bolt-in installation without requiring modifications to your vehicle.

Please read all instructions thoroughly before beginning the installation process. Professional installation is recommended. Ensure all safety precautions are followed to prevent injury or damage to the vehicle.

2. SAFETY INFORMATION

- Always wear appropriate personal protective equipment, including safety glasses and gloves.
- Ensure the vehicle is securely supported on a level surface using jack stands before working underneath. Never rely solely on a jack.
- Disconnect the vehicle's battery before starting any electrical work, if applicable.
- Follow all torque specifications provided in this manual and your vehicle's service manual.
- After installation, a professional wheel alignment is mandatory to ensure proper vehicle handling and tire wear.

3. KIT CONTENTS

Verify that all components listed below are present in your Truxxx 406027 lift kit before beginning installation:

- Front Strut Brackets

- Front Strut Spacers
- Rear Spring Spacers (2)
- All necessary hardware (bolts, nuts, washers)
- Detailed Instructions (this manual)
- Complete Alignment Specifications

4. VEHICLE COMPATIBILITY

This Truxxx 406027 lift kit is compatible with the following General Motors (GM) SUV models and years, specifically those equipped with Magnetic Ride Suspension:

- Cadillac Escalade (2007-2020) - AWD
- Chevy Suburban (2007-2020) - 2WD & 4WD
- Chevy Tahoe (2007-2020) - 2WD & 4WD
- GMC Yukon (2007-2020) - 2WD & 4WD
- Chevy Avalanche (2007-2013) - 2WD & 4WD

Note: This kit is designed to work with vehicles equipped with Magnetic Ride Control. Aftermarket shocks are not required.

5. SETUP AND INSTALLATION

Estimated Installation Time: Approximately 3 hours, plus alignment.

Required Tools: Standard automotive hand tools, floor jack, jack stands, torque wrench, wheel chocks.

5.1. Front Lift Installation (3-inch)

1. Park the vehicle on a level surface, engage the parking brake, and chock the rear wheels.
2. Loosen the front lug nuts, then raise the front of the vehicle and support it securely with jack stands. Remove the front wheels.
3. Locate and disconnect any sensors or brake lines that may interfere with strut removal.
4. Remove the lower strut mounting bolts and the upper strut nuts. Carefully remove the entire strut assembly from the vehicle.
5. Install the Truxxx front strut spacers and brackets onto the top of the strut assembly according to the detailed diagrams provided with your kit. Ensure proper orientation.
6. Reinstall the modified strut assembly into the vehicle, securing the upper nuts and lower bolts. Torque all fasteners to factory specifications.
7. Reconnect any disconnected sensors or brake lines.

5.2. Rear Lift Installation (2-inch)

1. Chock the front wheels. Loosen the rear lug nuts, then raise the rear of the vehicle and support it securely with jack stands. Remove the rear wheels.
2. Support the rear axle with a floor jack.
3. Carefully lower the axle enough to allow removal of the factory coil springs. Be mindful of brake lines and ABS wires.

4. Install the Truxxx rear spring spacers on top of the factory coil springs. Ensure they are seated correctly.
5. Raise the axle to reinstall the coil springs with the new spacers. Ensure springs are properly seated in their upper and lower mounts.
6. Torque all fasteners to factory specifications.

5.3. Final Steps

1. Reinstall all wheels and torque lug nuts to factory specifications.
2. Lower the vehicle to the ground.
3. Drive the vehicle a short distance to allow the suspension to settle.
4. Immediately schedule a professional wheel alignment using the provided alignment specifications. This is critical for safe operation and proper tire wear.



Image 1: White SUV with Truxxx lift kit installed, showcasing the increased ride height.



Image 2: Another view of a white SUV after the Truxxx lift kit installation, highlighting the vehicle's stance.

6. OPERATING CONSIDERATIONS

After installing the Truxxx lift kit, your vehicle's center of gravity will be higher. This may affect handling characteristics, especially during cornering or emergency maneuvers. Drive cautiously until you become accustomed to the vehicle's new dynamics.

The kit allows for the installation of 33-inch tall tires on a stock offset style wheel (+10-15mm). Ensure any new tires and wheels are properly balanced and do not cause rubbing issues.

7. MAINTENANCE

- **Post-Installation Check:** After the first 500 miles (800 km) of driving, re-check the torque on all fasteners installed or loosened during the lift kit installation.
- **Regular Inspection:** Periodically inspect all suspension components, including the lift kit parts, for wear, damage, or loose fasteners.
- **Alignment:** Maintain proper wheel alignment as recommended by your vehicle manufacturer, especially after any significant suspension work or if uneven tire wear is observed.

8. TROUBLESHOOTING

- **Uneven Ride Height:** Double-check that all spacers and brackets are correctly installed and seated. Ensure proper spring orientation.
- **Poor Handling/Steering Issues:** This is often a sign of incorrect alignment. Ensure a professional

alignment has been performed using the provided specifications.

- **Noise from Suspension:** Re-check all fasteners for proper torque. Inspect for any components rubbing or interfering with each other.
- **Tire Rubbing:** Verify tire size and wheel offset. Adjust steering stops if necessary, or consider different wheel/tire combinations.

9. SPECIFICATIONS

Feature	Specification
Front Lift Height	3 inches
Rear Lift Height	2 inches
Material	100% US and Canadian Mill Certified Carbon Steel
Finish	Powder Coated
Recommended Tire Size (with stock offset)	Up to 33 inches tall
OEM Ride Quality	Retained
Aftermarket Shocks Required	No
Country of Origin	Canada
Item Weight	10.5 kg
Parcel Dimensions	27.94 x 20.32 x 12.7 cm

10. WARRANTY INFORMATION

Truxxx lift kits are manufactured using 100% US and Canadian Mill certified steel, designed for durability and longevity. This product is engineered to last the life of your truck under normal operating conditions and proper installation.

For specific warranty claims or details, please contact Truxxx customer support directly.

11. SUPPORT AND CONTACT INFORMATION

If you have any questions regarding the installation, operation, or maintenance of your Truxxx 406027 lift kit, please contact our support team:

Phone: [855.668.0541](tel:855.668.0541) (Canada)

Email: sales@truxxx.com

Our team is available to assist you with technical inquiries and support.

