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## Skyjacker H7093

# Skyjacker H7093 Softride Hydro Shock Absorber User Manual

Model: H7093 | Brand: Skyjacker

## INTRODUCTION

The Skyjacker H7093 Softride Hydro Shock Absorber is engineered to provide superior performance and control for your vehicle. Its advanced design ensures immediate response to varying on-road and off-road conditions, delivering a stable and comfortable ride. This manual provides essential information for the proper installation, operation, and maintenance of your new shock absorber.



Image: The Skyjacker H7093 Softride Hydro Shock Absorber, featuring a white body with the "SKYJACKER HYDRO 7000" logo in red and blue, and a red corrugated protective boot covering the shaft. The mounting eyelet with a brown bushing is visible on the left end.

## KEY FEATURES

- **Multi-Stage Velocity Sensitive Valving:** Adapts instantly to changing terrain for optimal damping.
- **Twin Tube Construction:** Durable design for consistent performance.
- **5/8 in. Diameter Hardened And Double Chrome Rod:** Ensures strength and corrosion resistance.
- **Red Polyurethane Bushings:** Provides enhanced durability and reduced noise.
- **Includes Red Boot:** Protects the shock shaft from debris and damage.

## SETUP AND INSTALLATION

Proper installation is crucial for the performance and longevity of your Skyjacker shock absorber. It is recommended that installation be performed by a qualified mechanic or an individual with experience in automotive suspension systems.

## Tools and Materials Required:

- Vehicle jack and jack stands
- Wrench set (metric/standard as required by vehicle)
- Torque wrench
- Safety glasses and gloves
- Penetrating oil (optional, for rusted bolts)

## Installation Steps:

1. **Prepare Vehicle:** Park the vehicle on a level surface. Engage the parking brake. Loosen lug nuts on the wheels to be removed.
2. **Lift Vehicle:** Safely lift the vehicle using a jack and secure it with jack stands. Ensure the vehicle is stable before proceeding.
3. **Remove Wheels:** Remove the wheels to gain access to the suspension components.
4. **Locate Old Shock Absorber:** Identify the existing shock absorber. Note its mounting points (upper and lower).
5. **Remove Old Shock:** Using appropriate wrenches, carefully unbolt the upper and lower mounting points of the old shock absorber. Be aware that the suspension may drop slightly once the shock is removed.
6. **Install New Shock:** Position the new Skyjacker H7093 shock absorber. Align the mounting eyelets with the vehicle's mounting points. Insert bolts and hand-tighten.
7. **Torque Bolts:** Refer to your vehicle's service manual for specific torque specifications for shock absorber mounting bolts. Use a torque wrench to tighten all bolts to the manufacturer's recommended specifications. *Do not overtighten.*
8. **Reassemble:** Reinstall the wheels and tighten lug nuts. Lower the vehicle safely.
9. **Final Check:** After installation, bounce the vehicle a few times to settle the suspension. Re-check all tightened bolts after driving a short distance (e.g., 50-100 miles) to ensure they remain secure.

**Safety Note:** Always wear appropriate personal protective equipment, including safety glasses and gloves, during installation. Never work under a vehicle supported only by a jack.

## OPERATION

The Skyjacker H7093 Softride Hydro Shock Absorber operates passively to dampen suspension oscillations. Its velocity-sensitive valving automatically adjusts resistance based on the speed of suspension movement, providing a smooth ride over varied terrain and improving vehicle stability and handling. No user intervention is required for its operation once installed correctly.

## MAINTENANCE

Skyjacker H7093 shock absorbers are designed for durability and require minimal maintenance. Regular inspection is recommended to ensure optimal performance and safety.

### Recommended Maintenance Checks:

- **Visual Inspection (Every 6 months or 10,000 miles):**

- Check for any signs of fluid leaks around the shock body or shaft.
- Inspect the protective boot for tears, cracks, or damage. A damaged boot can expose the shaft to debris.
- Examine the polyurethane bushings for wear, cracking, or deterioration.
- Verify that all mounting bolts are secure and properly torqued.

- **Performance Check:** If you notice a decrease in ride comfort, excessive bouncing, or reduced vehicle stability, it may indicate that the shock absorbers are worn and require replacement.

If any issues are identified during inspection, it is recommended to consult a qualified mechanic for assessment and repair or replacement.

## TROUBLESHOOTING

While Skyjacker shock absorbers are built for reliability, certain issues may arise. Here are common symptoms and potential solutions:

Symptom	Possible Cause	Solution
Excessive vehicle bouncing after hitting bumps	Worn or failing shock absorber	Inspect shocks for leaks or damage; replace if necessary.
Fluid leaks from shock body	Internal seal failure	Shock absorber requires replacement.
Clunking or rattling noise from suspension	Loose mounting bolts or worn bushings	Check and re-torque mounting bolts. Inspect and replace worn bushings.
Uneven tire wear (cupping)	Worn shock absorbers affecting tire contact with road	Inspect and replace worn shock absorbers. Consider wheel alignment.

If troubleshooting steps do not resolve the issue, or if you are unsure about diagnosing a problem, it is always best to seek assistance from a certified automotive technician.

## SPECIFICATIONS

Attribute	Detail
Model Number	H7093
Brand	Skyjacker
Style	Modern
Vehicle Service Type	Car, Truck
Exterior Finish	Machined
Material	Chrome, Polyurethane Bushings
Item Weight	6 pounds

Attribute	Detail
Product Dimensions	24 x 3 x 3 inches
Country of Origin	Mexico
Construction	Twin Tube
Rod Diameter	5/8 inch

## IMPORTANT INFORMATION

### Legal Disclaimer:

**CALIFORNIA WARNING: Cancer and Reproductive Harm -[www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)**

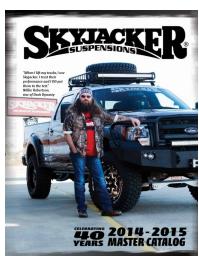
### WARRANTY AND SUPPORT

Specific warranty details for the Skyjacker H7093 Softride Hydro Shock Absorber are typically provided at the point of purchase or can be found on the official Skyjacker website. Please retain your proof of purchase for any warranty claims.

For technical support, installation assistance, or warranty inquiries, please contact Skyjacker customer service directly. Contact information can usually be found on their official website or product packaging.

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### Related Documents - H7093

	<p><a href="#">Skyjacker Suspensions 2014-2015 Master Catalog: Lift Kits &amp; Performance Parts</a></p> <p>Explore the comprehensive Skyjacker Suspensions 2014-2015 Master Catalog. Discover a wide range of lift kits, leveling kits, shocks, and suspension components for Chevrolet, GMC, Ford, Jeep, Toyota, Dodge, and more. Enhance your vehicle's performance and off-road capability with Skyjacker's quality aftermarket parts.</p>
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The image is a composite of two parts. On the left is a small, rectangular document titled 'SKYJACKER Lift Kit Installation Instructions' with a 'GENERAL MOTORS' logo at the top. It contains several paragraphs of text and a small diagram of a vehicle's front suspension. On the right is a large, blue-highlighted section of text that reads: 'SKYJACKER Lift Kit Installation Instructions for 1988-1992 GM Full-Size 4WD Trucks. Comprehensive installation guide for SKYJACKER lift kits (C4626K, C4636K series) designed for 1988 and newer General Motors Full-Size 4WD vehicles. Covers front and rear suspension disassembly, installation, and final checks.'

## Documents - Skyjacker – H7093

## [\[pdf\]](#) Instructions Parts List

2019 2022 Ram 1500 4WD 3 Suspension Lift Installation Instructions i r1930p images oreillyauto parts img documents sky |||

www.skyjacker.com Required Tools List: SAE Hex Key SAE Sockets Wrenches 5/32  
Hex Key Socke ... BS-S BUMP STOP, REAR 2 JTG20RMS-S COIL SPRING  
SPACER, REAR 2 H-BOX R1930P HDWR BOX: R1930P 1 **H7093** REAR HYDRO  
SHOCK W/RED BOOT 2 Part # R1930PM Item # Description Qty R1930UCA-L  
UPPER ...

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502 shocksandstabil 4wheelonline images Skyjacker |||

M95 performance MONOTUBE Shocks Skyjacker's new M95 Monotube Shock is the ultimate shock absorber for 0-1 0-1 ----- H7091 ----- 2 2 H7091 H7092 ----- - N8091 4 4 H7092 **H7093** ----- N8092 6 6 **H7093** H7094 ----- N8093 13-15

Ram 3500 4WD 0-1 0-1 ---...

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## [pdf] Catalog

Skyjacker Performance Suspension Systems Catalog performance suspension struts shocks coil springs leaf lift kits lowering sway bars bushings air CARiD 1972 82 International Lift 1 S24 32 2 Front Leaf Springs S20FS Rear S20RS catalog images card skyjacker info

2 and 4 Scout II, Terra and Traveler Lifts Skyjacker produces 2 and 4 lifts for the Scout Lover. Sky ... ck Option F R Shocks 2 each of desired Series Hydro Series Shock with Red Boot, White 2 H7092 **H7093** Nitro Series Gas Shock with Red Boot, White 2 N8092 N8093 Black MAX Performance Shock with...

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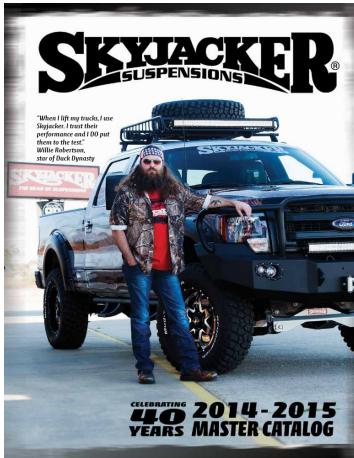


## [pdf] Catalog

Skyjacker Performance Suspension Parts Catalog performance suspension shocks struts coilovers lift kits lowering handling leveling alignment conversion air coil springs leaf helper torsion bars sway bushings braces traction panhard torque arms 4 link frames ball joints steering dampers bump stops skid plates car truck suv CARiD skyjacker catalog images carid info |||

Black MAX twin tube shock absorbers have increased fluid capacity and utilize foam-cell technology ... n F R Shocks 2 each of desired Series R14451K Hydro Series Shock with Red Boot, White 2 H7092 **H7093** Nitro Series Gas Shock with Red Boot, White 2 N8092 N8093 Black MAX Performance Shock with ...

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## [Skyjacker Suspensions 2014-2015 Master Catalog: Lift Kits & Performance Parts](#)

Explore the comprehensive Skyjacker Suspensions 2014-2015 Master Catalog. Discover a wide range of lift kits, leveling kits, shocks, and suspension components for Chevrolet, GMC, Ford, Jeep, Toyota, Dodge, and more. Enhance your vehicle's performance and off-road capability with Skyjacker's quality aftermarket parts.

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### [\[pdf\] Catalog](#)

master catalog 05.indd Skyjacker® Shock Options Nitro Shocks Improve the ride quality of your stock or lifted vehicle with a set these performance shocks The durable sky shockapp 4wheelonline images ||| Skyjacker Shock Options Platinum Series Gas Shocks Skyjacker introduces the PLATINUM Series Coil Ove ... 2 N8094 N8036 N8036 94-01 1/2 Ton Ram Pickup 4WD 0-1 0 H7091 2-3 1-5 H7092 4-5 1-5 **H7093** H7027 H7017 H7017 N8091 N8092 **H7093** N8027 N8017 N8017 94-02 3/4 1 Ton Ram Pickup 4WD wit...

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### [\[pdf\] Warranty](#)

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SKYJACKER SHOCK OPTIONS Skyjacker Hydro and Nitro Shocks Skyjacker Suspensions offers you a high qua ... -- ----- 94-01 1/2 Ton Ram Pickup 4WD 0-1 0 H7091 2-3 1-5 H7092 4-5 1-5 **H7093** H7027 H7017 H7017 ----- - N8091 N8092 N8093 N8027 N8017 94-...

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