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› [Skyjacker](#) /

› [Skyjacker H7093 Softride Hydro Shock Absorber User Manual](#)

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

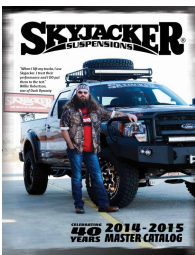
WARRANTY AND SUPPORT

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.

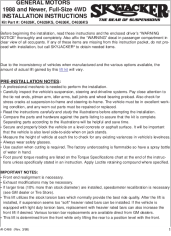




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Related Documents - H7093



[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.

| | |
|---|---|
|  | <p>SKYJACKER Lift Kit Installation Instructions for 1988-1992 GM Full-Size 4WD Trucks</p> <p>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.</p> |
|  | <p>Skyjacker 3" Suspension Lift Installation Instructions for 2021-2022 Ford Bronco 4WD</p> <p>Detailed installation guide for the Skyjacker 3-inch suspension lift kit for 2021-2022 Ford Bronco 4WD models equipped with Bilstein struts. Includes component breakdown, required tools, and step-by-step instructions for front and rear suspension modifications.</p> |
|  | <p>Skyjacker 2004-2008 Ford F-150 4WD 6" Suspension Lift Installation Instructions</p> <p>Detailed installation instructions for the Skyjacker 6" Suspension Lift Kit for 2004-2008 Ford F-150 4WD vehicles. Includes required tools, parts list, front and rear installation steps, and final notes with torque specifications.</p> |
|  | <p>Skyjacker 4"-8" Suspension Lift Installation Guide for 1999-2004 Ford F250/F350 Super Duty & Excursion</p> <p>Detailed installation instructions for the Skyjacker 4-inch to 8-inch suspension lift kit designed for 1999-2004 Ford F250, F350 Super Duty, and Excursion vehicles. Includes front and rear installation steps, torque specifications, and accessory information.</p> |
|  | <p>Skyjacker 8" Suspension Lift Installation Instructions for 1980-1996 Ford F-150 Bronco 4WD</p> <p>Comprehensive installation guide for the Skyjacker 8-inch suspension lift kit for 1980-1996 Ford F-150 and Bronco 4WD vehicles. This manual provides detailed, step-by-step instructions, safety warnings, and technical notes for a successful lift kit installation.</p> |

Documents - Skyjacker – H7093



2019 - 2021 Ram 1500 4WD
3" Suspension Lift
Installation Instructions



Before beginning the installation, thoroughly & completely read these instructions & the enclosed owner's MANUAL NOTICE. After the installation is done in the passenger compartment in clear view of all occupants. Please refer to the Parts List to ensure that all parts & hardware are received prior to the disassembly of the vehicle. If any parts or hardware are found to be missing, contact SKYJACKER Customer Service at 318-388-0818 to obtain the needed items. If you have any questions or concerns about installing this product, contact SKYJACKER Technical Assistance at 318-388-0818.

Make sure you park the vehicle on a level concrete or asphalt surface. Many times a vehicle is not level (side-to-side) from the factory & is usually not noticed until a lift kit has been installed, which makes the difference more visible. Using a measuring tape, measure the front & rear (both sides) from the ground up to the center of the fender opening above the axle. Record this information below for future reference.

Driver Side Front _____ Passenger Side Front _____
Driver Side Rear _____ Passenger Side Rear _____

Important Notes:

- This suspension lift is "not" designed to fit the following models:
 - 1+ 2019 Classic Models (2018 Body Style)
 - 2+ TRX Models
 - 2+ Models with Air Ride Suspension
- This suspension lift was developed using 275/70R18 tires with OEM 11" x 8" wheels. If wider tires are used, offset wheels will be required.

3181930P-B-21 Pg 1

[pdf] Instructions Parts List Catalog

2019 2021 Ram 1500 4WD 3 Suspension Lift Installation Instructions I R1930P catalograck ImgVD SKY 31 mag 2022 — REQUIRED TOOL LIST 1 Classic Models 2018 Body Style 2 TRX RAM REAR BUMP STOP SPACER 8 pagine SJA static summitracing global images instructions |||

www.skyjacker.com REQUIRED TOOL LIST: Safety Glasses Metric / Standard Wrenches Sockets Fastene ... R1930P HDWR BOX: R1930P 1 B8593 BLACK MAX SHOCK W/BLACK BOOT 2 Included With R1930PB Item # **H7093** M9593 N8093 Hardware Box Breakdown: Description HYDRO SHOCK W/RED BOOT Included With R1930P...

lang:en score:30 filesize: 552.2 K page_count: 8 document date: 2021-08-02



[\[pdf\]](#) 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 ...

lang:en **score:29** filesize: 1.21 M page_count: 10 document date: 2022-09-07

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502 shocksandstabil 4wheelonline images Skyjacker |||

M95 performance MONOTUBE Shocks Skyjacker s new M95 Monotube Shock is the
ultimate shock absorber f ... 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 ---...

lang:en **score:25** filesize: 1 M page_count: 13 document date: 2014-10-17

[\[pdf\]](#) 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 carid 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...

lang:en **score:24** filesize: 13.32 M page_count: 118 document date: 2017-02-08

[\[pdf\]](#) 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...

lang:en **score:23** filesize: 23.12 M page_count: 119 document date: 2018-01-31





lang:en score:17 filesize: 1.41 M page count: 21 document date: 2011-02-24