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› WFLNHB Convertible Top Hydraulic Lift Cylinder for Chrysler Sebring (1999-2006) - Instruction Manual

WFLNHB 1-8491042-175945

WFLNHB Convertible Top Hydraulic Lift Cylinder Instruction Manual

Model: 1-8491042-175945 | For Chrysler Sebring (1999-2006)

1. INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your WFLNHB Convertible Top Hydraulic Lift Cylinder. This product is designed as a direct replacement for the hydraulic lift cylinders in Chrysler Sebring convertible models manufactured between 1999 and 2006. Please read these instructions thoroughly before beginning any work to ensure safe and correct installation and function.

2. SAFETY INFORMATION

- Always wear appropriate personal protective equipment (PPE), including safety glasses and gloves, when working with hydraulic systems.
- Ensure the vehicle is securely supported on a level surface using jack stands before working underneath or on the convertible top mechanism.
- Disconnect the vehicle's battery before performing any electrical work or working near electrical components.
- Hydraulic fluid can be under high pressure. Exercise extreme caution when disconnecting hydraulic lines to prevent injury from pressurized fluid.
- Refer to your vehicle's service manual for specific procedures related to convertible top removal and hydraulic system bleeding.
- Keep children and pets away from the work area.

3. PRODUCT COMPONENTS

The WFLNHB Convertible Top Hydraulic Lift Cylinder is a single unit designed for direct replacement. It includes the main cylinder body, piston rod, and attachment points for hydraulic lines and mounting.







Figure 3.1: WFLNHB Convertible Top Hydraulic Lift Cylinder. This image shows the complete hydraulic lift cylinder in its retracted state, highlighting its robust construction and connection points.





Figure 3.2: WFLNHB Convertible Top Hydraulic Lift Cylinder in extended position. This view illustrates the full extension of the piston rod, demonstrating the cylinder's operational range.



Figure 3.3: Close-up view of the hydraulic lift cylinder's connection points. This image provides a detailed look at the hydraulic line fittings and the piston rod's end, crucial for proper installation.

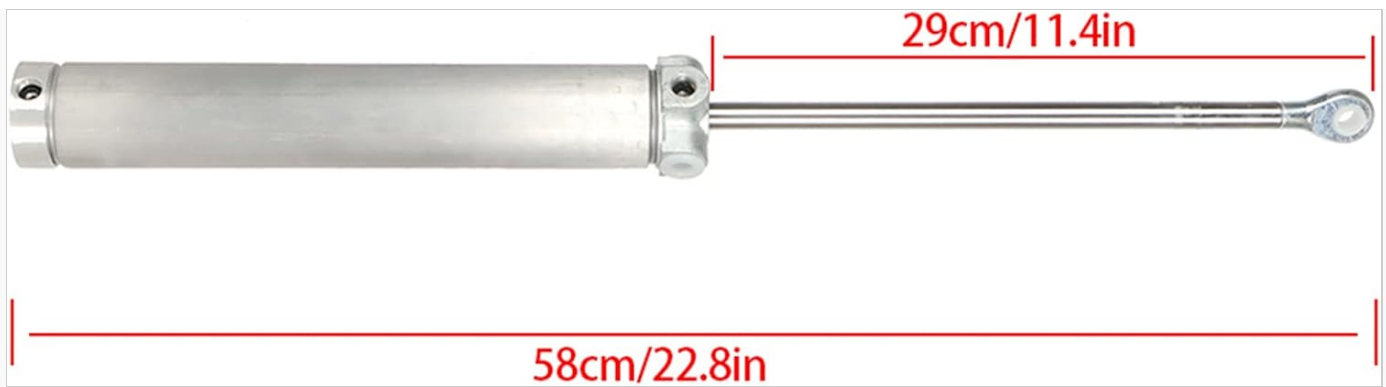


Figure 3.4: Dimensions of the WFLNHB Convertible Top Hydraulic Lift Cylinder. This diagram shows the overall length and piston stroke, confirming compatibility with the specified vehicle models.

4. INSTALLATION INSTRUCTIONS

The following steps outline a general procedure for replacing a convertible top hydraulic lift cylinder. Specific details may vary based on your vehicle's exact configuration. Always consult your vehicle's service manual for precise instructions.

1. **Preparation:** Park the vehicle on a level surface. Engage the parking brake. Disconnect the negative terminal of the vehicle's battery.
2. **Access the Cylinder:** Depending on the specific cylinder being replaced (driver or passenger side), you may need to partially lower or raise the convertible top and secure it in a service position. This often involves removing interior trim panels to gain access to the hydraulic cylinders.
3. **Relieve Hydraulic Pressure:** Carefully locate the hydraulic pump and reservoir. Follow your vehicle's service manual to safely relieve pressure from the hydraulic system before disconnecting any lines.
4. **Disconnect Hydraulic Lines:** Place absorbent rags around the cylinder to catch any leaking hydraulic fluid. Using appropriate wrenches, carefully disconnect the hydraulic lines from the old cylinder. Be prepared for some fluid leakage. Cap the lines immediately to prevent contamination.
5. **Remove Old Cylinder:** Unbolt or unclip the old hydraulic cylinder from its mounting points. Note the orientation and attachment method for reinstallation.
6. **Install New Cylinder:** Position the new WFLNHB hydraulic cylinder in place. Secure it using the original mounting hardware. Ensure all connections are tight but do not overtighten.
7. **Connect Hydraulic Lines:** Reconnect the hydraulic lines to the new cylinder. Ensure the lines are routed correctly and securely fastened.
8. **Refill and Bleed System:** Refer to your vehicle's service manual for instructions on refilling the hydraulic reservoir with the correct type and amount of fluid, and for the procedure to bleed air from the hydraulic system. Proper bleeding is crucial for correct operation.
9. **Test Operation:** Reconnect the vehicle's battery. Carefully test the operation of the convertible top, observing for smooth movement and any leaks. Cycle the top fully up and down several times.
10. **Reinstall Trim:** Once satisfied with the operation and absence of leaks, reinstall any removed trim panels.

5. OPERATING INSTRUCTIONS

After successful installation and bleeding of the hydraulic system, the convertible top should operate normally using the vehicle's factory controls. Ensure the vehicle's engine is running or the ignition is in the 'ON' position to provide power to the hydraulic pump.

- **To Lower the Top:** Press and hold the convertible top 'DOWN' button. The top will unlatch, fold, and retract into its storage

compartment. Release the button once the top is fully stowed.

- **To Raise the Top:** Press and hold the convertible top 'UP' button. The top will emerge from its storage compartment, unfold, and latch into place. Release the button once the top is fully closed and latched.
- Always ensure the area around the convertible top is clear of obstructions, passengers, or objects before operating.

6. MAINTENANCE

Regular maintenance helps ensure the longevity and proper function of your convertible top hydraulic system.

- **Fluid Level Check:** Periodically check the hydraulic fluid level in the reservoir. Refer to your vehicle's service manual for the correct fluid type and fill level. Top up as necessary.
- **Leak Inspection:** Regularly inspect the hydraulic cylinders and lines for any signs of fluid leaks. Address any leaks promptly to prevent system failure and damage.
- **Cleanliness:** Keep the area around the hydraulic cylinders and convertible top mechanism clean and free of debris.
- **Hinge and Pivot Lubrication:** Lubricate convertible top hinges and pivot points as recommended by your vehicle manufacturer to ensure smooth operation and reduce strain on the hydraulic system.

7. TROUBLESHOOTING

If you experience issues with your convertible top after installing the WFLNHB hydraulic cylinder, consider the following common troubleshooting steps:

- **Top Does Not Operate:**
 - Check the vehicle's battery voltage. A low battery can prevent the hydraulic pump from operating.
 - Verify all electrical connections to the hydraulic pump and control switch are secure.
 - Ensure the hydraulic fluid level is correct.
 - Check for blown fuses related to the convertible top system.
- **Slow or Jerky Operation:**
 - This often indicates air in the hydraulic system. Re-bleed the system according to your vehicle's service manual.
 - Check hydraulic fluid level.
 - Inspect for partial obstructions in the hydraulic lines or worn pump.
- **Fluid Leaks:**
 - Immediately identify the source of the leak. Tighten any loose fittings on the cylinder or lines.
 - If the leak is from the cylinder itself, it may indicate a faulty seal or manufacturing defect. Contact customer support if this is a new part.
- **Top Does Not Latch/Unlatch:**
 - Ensure the hydraulic system is fully bled and operating correctly.
 - Inspect the latching mechanism for obstructions or damage.

If these steps do not resolve the issue, it is recommended to consult a qualified automotive technician.

8. SPECIFICATIONS

Feature	Detail
Brand	WFLNHB
Item Model Number	1-8491042-175945
Product Dimensions	14.57 x 2.36 x 1.97 inches
Compatibility	Chrysler Sebring Convertible (1999-2006)
Part Type	Convertible Top Hydraulic Lift Cylinder

9. WARRANTY AND SUPPORT

For warranty information or technical support regarding your WFLNHB Convertible Top Hydraulic Lift Cylinder, please refer to the documentation included with your purchase or contact WFLNHB customer service directly. Keep your purchase receipt and model number handy when contacting support.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

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After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

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.

Submit question