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› OEMTOOLS 24950 1100 Lb. Engine Support User Manual

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Model: 24950

Brand: OEMTOOLS

1. PRODUCT OVERVIEW

The OEMTOOLS 24950 Engine Support is designed to securely hold an engine or transmission in place during automotive repair and maintenance tasks. Its robust double beam construction ensures stability and durability, making it an essential tool for complex engine or transmission rebuilds. This support is particularly useful for procedures that require the removal of the subframe or transmission from below the vehicle, simplifying the process and reducing the need to drain fluids or remove the engine from the top.



Figure 1.1: OEMTOOLS 24950 1100 Lb. Engine Support, showing its full assembly.

Key Features:

- **Holding Capacity:** 1,100 lbs. (500 Kg)
- **Adjustable Support Feet:** Designed to straddle inner fender wells for universal application.

- **Anti-Slip Rubber Feet:** Prevents slipping and protects vehicle paint finish.
- **Dual Bar Design:** Provides enhanced stability and durability for long-term use.
- **Adjustable Width:** Hooks can adjust from approximately 28-3/4 inches to 58-1/4 inches wide.
- **Threaded Chain Hooks:** Allows precise positioning and adjustment of engine or transmission.
- **Two 38-inch Chains:** Included for secure attachment.

2. SETUP

Before using the OEMTOOLS 24950 Engine Support, ensure all components are present and in good condition. Familiarize yourself with the adjustable features to properly position the support for your specific vehicle and task.

2.1 Unpacking and Component Check

Carefully remove all parts from the packaging. Verify that the following components are included:

- Main Support Bar (1)
- Adjustable Support Feet (2)
- Threaded Chain Hooks (2)
- 38-inch Chains (2)
- Adjustment Handles/Knobs (for feet and hooks)

2.2 Assembly and Initial Adjustment

1. Attach the adjustable support feet to each end of the main support bar. Ensure they are securely fastened with the provided hardware.
2. Insert the threaded chain hooks into the desired channels on the main support bar. The bar features 3 channels to accommodate various engine bay configurations.
3. Attach the 38-inch chains to the angled hooks of the threaded chain hooks.

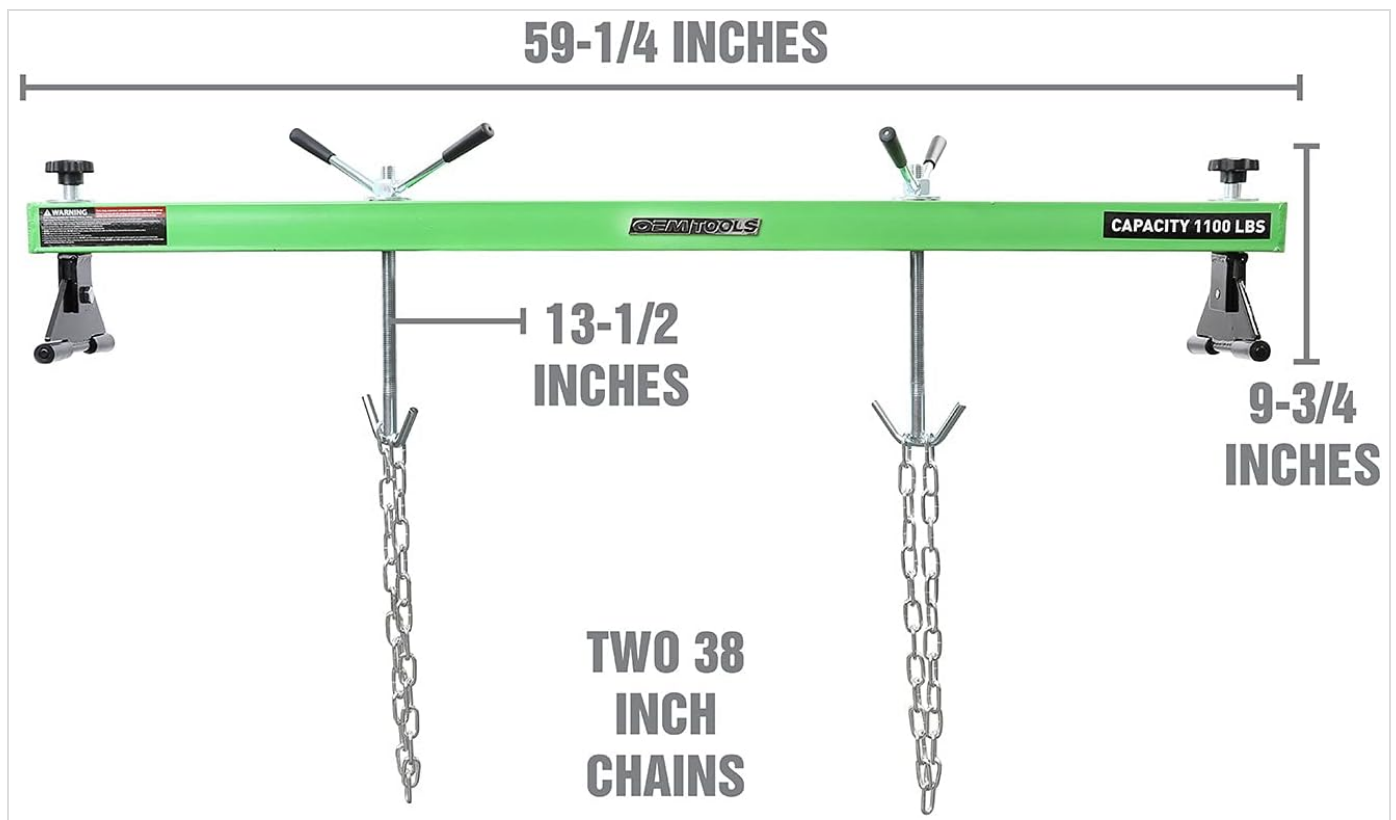


Figure 2.1: Key dimensions of the engine support, including overall length (59-1/4 inches), hook spacing (13-1/2 inches), and height (9-3/4 inches).

3 CHANNELS TO EASILY ADJUST FOR UNIVERSAL APPLICATIONS



HOOKS CAN ADJUST FROM 29-1/2 TO 57 INCHES WIDE

Figure 2.2: The three channels on the support bar allow for easy adjustment for universal applications, with hooks adjustable from 29-1/2 to 57 inches wide.

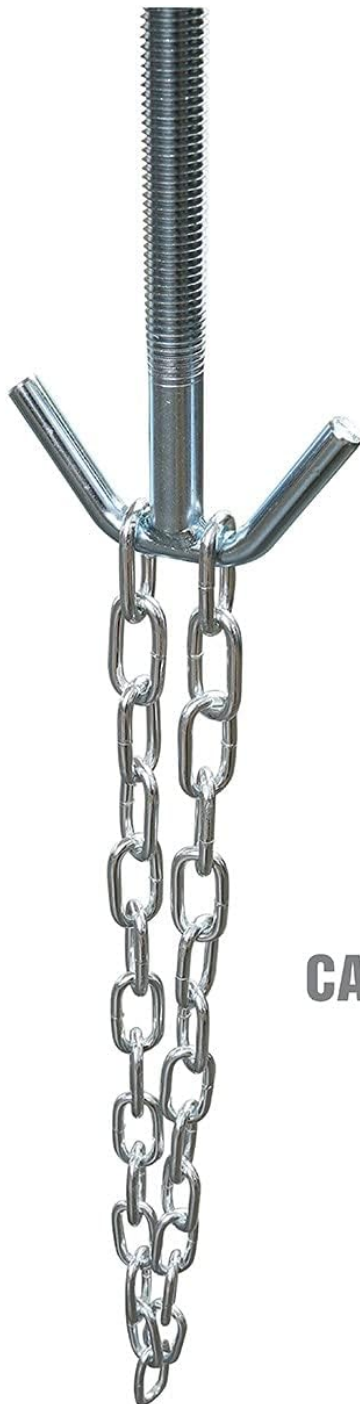


ADJUSTABLE ANGLE SUPPORTS

**RUBBER FEET PREVENT
SLIPPING AND DAMAGE TO
PAINT FINISH**

Figure 2.3: Close-up of the adjustable angle supports and the anti-slip rubber feet designed to prevent damage to the vehicle's paint finish.

**ANGLED HOOKS FOR
A SECURE HOLD**



**38 INCH CHAIN
CAN BE ADJUSTED FROM
4 TO 26 INCHES**

Figure 2.4: Detail of the angled hooks for a secure hold and the 38-inch chain, which can be adjusted from 4 to 26 inches in length.

3. OPERATING INSTRUCTIONS

The OEMTOOLS 24950 Engine Support is designed to provide stable support for engines or transmissions during removal, installation, or repair. Always ensure the vehicle is properly secured and on a level surface before beginning any work.

3.1 Positioning the Engine Support

1. Open the vehicle's hood and ensure there is clear access to the engine bay.
2. Carefully place the OEMTOOLS 24950 Engine Support across the inner fender wells of the vehicle. The anti-slip rubber feet should rest securely on a stable part of the fender wells.
3. Adjust the width of the support feet using the adjustment knobs to ensure a snug and stable fit across the fender

wells.

3.2 Attaching and Adjusting Chains

1. Identify suitable lifting points on the engine or transmission. Consult your vehicle's service manual for recommended lifting points.
2. Attach the angled hooks of the chains to the designated lifting points. Ensure the hooks are fully engaged and secure.
3. Use the threaded chain hooks to adjust the chain length and tension. Turn the adjustment handles to raise or lower the engine/transmission as needed. Ensure the load is evenly distributed between the two chains.
4. Once the engine/transmission is supported, double-check all connections and adjustments for security and stability before proceeding with any work.



Figure 3.1: The engine support positioned across the fender wells of a vehicle, providing overhead support for engine work.



Figure 3.2: Top-down view of the engine support in operation, demonstrating how it straddles the engine bay to provide stable lifting points.

4. MAINTENANCE

Proper maintenance will extend the life and ensure the safe operation of your OEMTOOLS 24950 Engine Support.

- **Cleaning:** After each use, wipe down the support bar and chains with a clean cloth to remove any grease, oil, or dirt.
- **Lubrication:** Periodically apply a light coat of general-purpose lubricant to the threaded rods of the chain hooks and adjustment mechanisms to ensure smooth operation.
- **Inspection:** Regularly inspect the support for any signs of damage, such as bends, cracks, excessive wear on chains, or loose fasteners. Pay close attention to the welds and the condition of the rubber feet.
- **Storage:** Store the engine support in a dry, clean environment to prevent rust and corrosion.
- **Damaged Parts:** Do not use the engine support if any part is damaged or shows signs of excessive wear. Replace damaged components immediately with genuine OEMTOOLS parts.

5. TROUBLESHOOTING

This section addresses common issues you might encounter while using the OEMTOOLS 24950 Engine Support.

5.1 Support Bar is Not Stable

- **Issue:** The engine support bar wobbles or shifts when placed on the fender wells.
- **Solution:** Ensure the adjustable support feet are properly extended and tightened to create a snug fit across the inner fender wells. Verify that the rubber feet are clean and making full contact with the vehicle's surface. Ensure the vehicle is on a level, stable surface.

5.2 Difficulty Adjusting Chain Hooks

- **Issue:** The threaded chain hooks are stiff or difficult to turn.
- **Solution:** Apply a small amount of lubricant to the threaded rods. Ensure there is no debris or dirt obstructing the threads. Do not force the adjustment; if resistance persists, inspect for damage.

5.3 Chains Do Not Reach Lifting Points

- **Issue:** The 38-inch chains are too short to reach the desired lifting points on the engine or transmission.
- **Solution:** The chains can be adjusted from 4 to 26 inches in length. Ensure you are using the full available length if needed. If the lifting points are still out of reach, you may need to reposition the engine support bar or consider alternative lifting methods if the product is not suitable for your specific vehicle's configuration.

6. SPECIFICATIONS

Specification	Value
Model Number	24950
Holding Capacity	1,100 lbs. (500 Kg)
Product Dimensions	61.25 x 6.5 x 5 inches
Item Weight	38.1 pounds
Chain Length	Two 38-inch chains (adjustable from 4 to 26 inches)
Hook Adjustment Width	28-3/4 inches to 58-1/4 inches
Manufacturer	OEMTOOLS
Material	Steel (Painted)

7. WARRANTY AND SUPPORT

OEMTOOLS products are manufactured to high standards and are designed for durability and performance. For specific warranty information regarding your OEMTOOLS 24950 Engine Support, please refer to the warranty card included with your purchase or visit the official OEMTOOLS website.

7.1 Customer Support

If you have any questions, require technical assistance, or need to report an issue with your product, please contact OEMTOOLS customer support. You can typically find contact information on the OEMTOOLS website or through the retailer where the product was purchased.

For more information about OEMTOOLS products, visit the [OEMTOOLS Store on Amazon](#).

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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.

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Example: How do I reset this device or fix this error?

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Model number, symptoms, what you tried, or the section of the manual you are using.

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