

Please read and save these instructions. Read through this owner's manual carefully before using product. Protect yourself and others by observing all safety information, warnings, and cautions. Failure to comply with instructions could result in personal injury and/or damage to product or property. Please retain instructions for future reference.



FOLDING ENGINE STAND

UNPACKING

After unpacking unit, inspect carefully for any damage that may have occurred during transit. Check for loose, missing, or damaged parts. If any damage is observed, a shipping damage claim must be filed with carrier. Do not use Engine Stand if broken, bent, cracked or damaged parts (including labels) are noted. Any Engine Stand that appears damaged in any way, operates abnormally or is missing parts should be removed from service immediately. If you suspect that the Engine Stand was subjected to a shock load (a load that was dropped suddenly, unexpectedly, etc.) immediately discontinue use until it has been checked by a factory authorized service center.



▲ WARNING

The following safety information is provided as guidelines to help you operate your Folding Engine Stand under the safest possible conditions. Any tool or piece of equipment can be potentially dangerous to use when safety or safe handling instructions are not known or not followed. The following safety instructions are to provide the user with the information necessary for safe use and operation. Please read and retain these instructions for the continued safe use of your service system. Failure to follow instructions listed below may result in serious injury. In addition, make certain that anyone that uses the equipment understands and follows these safety instructions as well.

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

Explanation of Safety Signal Words

▲ **WARNING** : Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.

▲ **CAUTION** : Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury.

CAUTION : Used without the safety alert symbol indicates a potentially hazardous situation which, if not avoided, may result in property damage.

Notes : Provide clarity and helpful information.



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Thank you very much for choosing an OEMTOOLS Product!

For future reference, please complete the owner's record below:

Model: _____ **Purchase Date:** _____

Save the receipt, warranty and these instructions. It is important that you read the entire manual to become familiar with this product before you begin using it. This machine is designed for certain applications only. OEMTOOLS cannot be responsible for issues arising from modification. We strongly recommend this machine is not modified and/or used for any application other than that for which it was designed. If you have any questions relative to a particular application, DO NOT use the machine until you have first contacted OEMTOOLS to determine if it can or should be performed on the product.

IMPORTANT INSTRUCTIONS AND SAFETY RULES

1. Know your tool. Read this manual carefully. Learn the tool's applications and limitations, as well as, potential hazards specific to it.
2. Keep work area clean and well lit. Cluttered or dark work areas invite accidents.
3. Keep children away. All children should be kept away from the work area. Never let a child handle a tool without strict adult supervision.
4. Do not operate this tool if under the influence of alcohol or drugs. Read warning labels on prescriptions to determine if your judgment or reflexes are impaired while taking drugs. If there is any doubt, do not attempt to operate.
5. Use safety equipment. Eye protection should be worn at all times when operating this tool. Use ANSI approved safety glasses. Everyday eyeglasses are NOT safety glasses. Dust mask, non-skid safety shoes, hard hat or hearing protection should be used in appropriate conditions.
6. Wear proper apparel. Loose clothing, gloves, neck-ties, rings, bracelets or other jewelry may present a potential hazard when operating this tool. Keep all apparel clear of the tool.
7. Don't overreach. Keep proper footing and balance at all times when operating this tool.
8. Check for damage. Check your tool regularly. If part of the tool is damaged it should be carefully inspected to make sure that it can perform its intended function correctly. If in doubt, the part should be repaired. Refer all servicing to a qualified technician. Consult your dealer for advice.
9. Keep away from flammables. Do not attempt to operate this tool near flammable materials or combustibles. Failure to comply may cause serious injury or death.
10. Store idle tools out of the reach of children and untrained persons. Tools may be dangerous in the hands of untrained users.
 - Maintain tools with care.
 - Keep tools dry and clean.
 - Properly maintained tools are less likely to bind and are easier to control. Do not use a damaged tool. Tag damaged tools "Do not use" until repaired.
 - Check for misalignment or binding of moving parts, breakage of parts, and any other condition that may affect the tool's operation.
 - If damaged, have the tool serviced before using. Many accidents are caused by poorly maintained tools.
 - Use only accessories that are recommended by the manufacturer for your model. Accessories that may be suitable for one tool may become hazardous when used on another tool.
 - Tool service must be performed only by qualified repair personnel. Service or maintenance performed by unqualified personnel could result in a risk of injury.
 - When servicing a tool, use only identical replacement parts. Use of unauthorized parts or failure to follow maintenance instructions may create a risk of injury.
 - Maintain a safe working environment. Keep the work area well lit. Make sure there is adequate surrounding workspace. Keep the work area free of obstructions, grease, oil, trash, and other debris. Do not use this product in a damp or wet location.
 - Maintain labels and nameplates on this product. These carry important information. If unreadable or missing, contact OEMTOOLS for a replacement.
 - Keep the handle dry, clean, and free from brake fluid, oil, and grease.
 - Before use, read and understand all warnings, safety precautions, and instructions as outlined in the vehicle manufacturer's service manual. It is beyond



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the scope of this manual to properly describe the correct procedure and test data for each vehicle.

- Always perform vehicle service in a properly ventilated area. Never run an engine without proper ventilation for its exhaust. Stop work and take necessary steps to improve ventilation in the work area if you develop momentary eye, nose, or throat irritation as this indicates inadequate ventilation.
- Engine parts that are in motion and unexpected movement of a vehicle can injure or kill. When working near moving engine parts, wear snug fit clothing and keep hands and fingers away from moving parts. Keep hoses and tools clear of moving parts. Always stay clear of moving engine parts. Hoses and tools can be thrown through the air if not kept clear of moving engine parts.
- The unexpected movement of a vehicle can injure or kill. When working on vehicles always set the parking brake or block the wheels.
- Avoid accidental fire and/or explosion. Do not smoke near engine fuel and battery components.
- The warnings, precautions, and instructions discussed in this manual cannot cover all possible conditions and situations that may occur. The operator must understand that common sense and caution are factors which cannot be built into this product, but must be supplied by the operator.
- For safety purposes and the prevention of damage to expensive components it is advised that the user have an understanding of basic automotive repair and a working knowledge of automotive systems.
- We believe the information contained herein to be reliable. However, general technical information is given by us without charge and the user shall employ such information at their own discretion and risk. We assume no responsibility for results or damages incurred from the use of such information in whole or in part. Always refer to specific instructions and technical information supplied by vehicle manufacturer.
- The manufacturer declines any and all responsibility for damage to vehicles or components if said damage is the result of unskillful handling by the operator or of failure to observe the basic safety rules set forth in the instruction manual.
- This equipment is intended only for professional use by personnel trained in performing the service functions for which it is has been designed.
- This equipment is designed for servicing a variety of vehicles in a safe, convenient manner. However, differences in vehicle makes and models may make it impossible to use this equipment as it is intended. Do not attempt to force the use of this equipment on an application for which it is not designed to perform.
- The procedures documented in this manual are to serve as guidelines for the use of this equipment.
- In addition to these guidelines, always follow the manufacturer's recommended procedures when servicing each unique vehicle.
- The use of this equipment is simple and straightforward if you follow the instructions. When operating this equipment, use common sense, and always stop to think before using a Transmission Jack or lifting a vehicle

PRODUCT SPECIFICATIONS

Weight Capacity: 2000 Lbs.

Base Size (L x W) (Legs Down) 43" x 37"

Height (Legs Up) 38"

Head Plate (L x H x Thickness) 9-3/4" x 5-3/4" x 1/2"

Wheel Diameter 3 -1/2"

PRODUCT DESCRIPTION

This Engine Stand is designed to safely support a rated capacity engine during the time that the engine is being rebuilt or repaired.

NEVER use for any purpose other than those uses outlined above!

Verify that the product and application are compatible.

- Before using this product, read the operator's manual completely and familiarize yourself thoroughly with the product, its components and recognize the hazards associated with its use.
- Wear appropriate safety gear, including heavy-duty work gloves and ANSI-approved safety goggles during use.
- Do not exceed the weight capacity of the Engine Stand. Make sure weight is evenly distributed. Be aware of dynamic loading! Sudden load movement



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may briefly create excess load causing product failure. Exceeding the maximum capacity for this product is dangerous and can lead to serious injury or property damage.

- Always evaluate your task before using this Engine Stand. Use as intended only.
- Lifting or supporting a vehicle or its components, even within weight limit, can create an off-balance situation, causing Jack to tip over and MAY lead to serious personal injury or property damage.
- Use as intended only. Do not use for lifting human weight. Keep clear of raised load.
- Use only on a hard, level and flat surface capable of bearing the combined weight of the Engine Stand, load being lifted, the operator and any tools being used.

WARNING

NEVER load the Engine Stand with an engine that extends beyond the centerlines of the front and rear wheel/caster axles.

1. If you are working and the load becomes off-balance and/or the Engine Stand begins to tip over, DO NOT ATTEMPT TO CATCH OR LIFT THE LOAD WHEN FALLING. SERIOUS PERSONAL INJURY CAN RESULT! In this event, clear the area as quickly and safely as possible in order to avoid injury from the falling load, including getting hit with flying fragments.
2. Before each use, inspect the general condition of the Engine Stand. If a problem occurs, have the problem corrected before further use.

WARNING

TO PREVENT SERIOUS INJURY: DO NOT USE A DAMAGED OR MALFUNCTIONING ENGINE STAND

3. If in doubt about the safety of your project, we advise you to have the work done by a professional familiar with applicable safety practices.
4. Ensure Lock pins are installed and secured in front legs before loading!

ASSEMBLY

ASSEMBLY NUMBERS MATCH PARTS BREAKDOWN SUPPLIED BY VENDOR

1. Attach four 3-1/2" Casters (16) to Legs (22) and Base (15) with Bolts and Nuts (18, 17).

2. Attach two 3" Casters (19) to Base (15) with Bolts, Flat Washers & Lock Washers (18, 17, 20).
3. Attach Post (9) to the Base (15) with Bolts, Washers & Nut (7, 8, 24). Hand tighten only.
4. Attach two of each Brace (14) to Post (9) with one Bolt, Washer & Nut (7, 8, 13). Attach the other end to the inside of Base (15) with two Bolts, Washers & Nuts (7, 8, 10). Tighten all Nuts.
5. Attach two legs (22) to Base (15) with Pins and Cotter Pins (21, 23) (be sure to install all 4 Pins and Cotter Pins).
6. Slide rotating Plate Assembly (6) into collar at top of Post (9). Insert Pin (25) to fasten Head Plate Assembly.
7. Attach four Mounting Arms (4) to the Head Plate Assembly (6) with Bolts, Flat Washers, Lock Washers & Nuts (3,2).
8. Insert Handle (12) into hole on rotating Plate Assembly. Place Handle Grip (11) on each end of Handle.

Note: Check all fasteners for tightness, tighten where required.

To fold for storage:

1. Remove Cotter Pin (23) and Pin (21) from the forward most position of the Leg (22).
2. Carefully and slowly fold Leg (22) up.

WARNING

Pinch Hazard: Be mindful of wear you place your hands, fingers or feet when raising or lowering legs.

- Slide Pin (21) into the front hole of the Base (8) and secure with Cotter-Pin (23). Repeat for other Leg.

OPERATION

1. Align engine with stand, then adjust mounting arms to match bell housing mounting bolt holes. Rotational lock must be secure before applying load.
2. Carefully secure engine so that load is centered on stand. Secure with high strength stud bolts and flat washers. Ensure threads are compatible with your engine, and use washers on both sides of head plate.
3. To rotate engine: Slowly and carefully release locking mechanism. Use original handle to rotate, then secure by engaging locking mechanism.
4. Check to ensure stand is secure before working on or around stand. Never work under loaded stand.



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⚠ WARNING

Use only the handle provided by the manufacturer. The handle provided with this stand will safely engage and operate the head plate. If the handle is worn, bent, or otherwise damaged, STOP; discontinue use of the stand until a factory replacement handle assembly can be acquired.

⚠ CAUTION

Use caution when troubleshooting a malfunctioning Engine Stand. Stay well clear of the supported load. Completely resolve all problems before use. If the Engine Stand is malfunctioning, have a qualified technician inspect and repair the Engine Stand before use.

MAINTENANCE

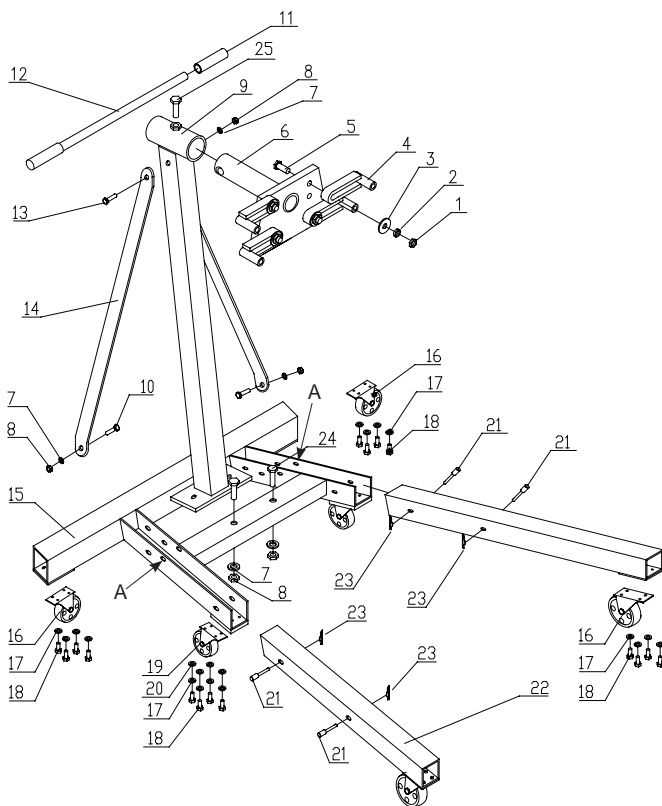
A periodic coating of light lubricating oil to pivot points, adjusting points, casters, etc. will help to prevent rust and assure that all components move freely.

Storage

Always store the Engine Stand in a well-protected area where it will not be exposed to inclement weather, corrosive vapors, abrasive dust, or any other harmful elements.

Parts List

FIGURE	DESCRIPTION	Q'TY
24834-1	Nut M14	4
24834-2	Lock Washer M14	4
24834-3	Flat Washer M14	4
24834-4	Mounting Arm	4
24834-5	Bolt M14 x 70	4
24834-6	Head Plate Assembly	1
24834-7	Lock Washer M12	5
24834-8	Nut M12	5
24834-9	Post	1
24834-10	Bolt M12 x 25	2
24834-11	Handle Grip	1
24834-12	Handle	1
24834-13	Bolt M12 x 85	1
24834-14	Braces	2
24834-15	Base	1
24834-16	3 - 1/2" Casters	4
24834-17	Lock Washer M8	24
24834-18	Bolt M8 x 16	24
24834-19	3" Casters	2
24834-20	Flat Washer M8	8
24834-21	Lock Pins	4
24834-22	Leg	2
24834-23	Cotter Pin	4
24834-24	Bolt M12 x 60	2
24834-25	Lock Pin (Head Plate)	1



Note: Not all components of the Engine Stand are replacement items, but are illustrated as a convenient reference for location and position in the assembly sequence. The manufacturer and/or distributor have provided the parts list and assembly diagram in this manual as a reference tool only. Neither the manufacturer nor distributor makes any representation or warranty of any kind to the buyer that he or she is qualified to make any repairs to the product, or that he or she is qualified to replace any parts of the product. In fact, the manufacturer and/or distributor expressly states that all repairs and parts replacements should be undertaken by certified and licensed technicians, and not by the buyer. The buyer assumes all risk and liability arising out of his or her repairs to the original product or replacement parts thereto, or arising out of his or her installation of replacement parts thereto.