

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.



FLOOR TRANSMISSION JACK

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 Transmission Jack if broken, bent, cracked or damaged parts (including labels) are noted. Any Transmission Jack that appears damaged in any way, operates abnormally or is missing parts should be removed from service immediately. If you suspect that the Transmission Jack 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 Floor Transmission Jack 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.

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.



FLOOR TRANSMISSION JACK

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, neckties, 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.



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- 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 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 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 DESCRIPTION

The Hydraulic Transmission Jack is designed to be used as an aid in the removal and installation of automotive and light truck transmissions, transfer cases and transaxles.

Weight Capacity	800 Lbs.
Lift Range	8.25" – 30.5"

WARNING

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

1. Verify that the product and application are compatible.
2. 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.



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3. Wear appropriate safety gear, including heavy-duty work gloves and ANSI-approved safety goggles during use.
4. Ensure that jack rolls freely. Raise and lower the unloaded jack throughout the lifting range before putting into service to ensure the pump operates smoothly. Replace worn or damaged parts.
5. Do not exceed the weight capacity of the jack. Make sure weight is evenly distributed. Be aware of dynamic loading! Sudden load movement 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.
6. Never use this device as a work/repair station. Transfer the load immediately to a suitable work station.
7. Always evaluate your task before using this jack. This jack is designed to support a transmission or a differential as individual components. Use as intended only.
8. Assemblies such as differential with axle, or transmission with bell housing, can be bulky and difficult to balance. Lifting or supporting such assemblies, 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.
9. The load should be evenly distributed on the jack, and should not extend beyond the area of the caster wheelbase. Always use the chains provided to secure the load. If extra support is required, safety straps (not included) can also be used to secure the work piece.
10. Use only on a hard, level and flat surface capable of bearing the combined weight of the Transmission Jack, the load being lifted, the operator and any tools being used.
11. If loaded jack must be moved, make certain that load is secured by appropriate means, is stable, is in the lowest possible position, is moved over a smooth, hard level surface and that the lifting platform is level.



If you are working and the load becomes off-balance and/or the jack 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.

12. Before each use, inspect the general condition of the Transmission Jack. Check for oil leaks, jack operation, loose components, free rotation and pivoting of saddle adjustment components. If a problem occurs, have the problem corrected before further use.



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

13. The Transmission Jack is not designed to lift or lower a vehicle.
14. 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.

OPERATION


Follow the instruction for removal and installation of transmission, transfer case or transaxle according to the vehicle manufacturer's service manual.

1. Prior to initial use, jack up the Saddle and, using the Release Knob, attempt to lower it. Doing so will familiarize the user with the control functions and Jack.
2. Once the vehicle is safely and properly secured, position the Transmission Jack underneath the vehicle.
3. Remove the Chain and set aside.
4. Move the Transmission Jack underneath the transmission.
5. Close the Release Valve.
6. Pump the Handle to raise the Transmission Jack.
7. Stop just below the transmission and align the Saddle to the Transmission with the Tilt Knobs.
8. Continue raising the Saddle up to the transmission to determine where you will need to adjust the Supports. All four Supports need to grip and make contact with the transmission.
9. After determining where they need to be set, loosen the threaded bolts on each Support, and adjust it to the proper setting for the transmission. Tighten the bolts.
10. Raise the unit again to make contact with the transmission, making sure all of the supports are in firm contact.



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11. Hook the chain on the open bracket, wrap the Chain securely around the transmission, and hook the chain hook through the other end. Tighten the Chain Hook securely to tighten the chain.
12. Once it is securely fastened, release the bolts holding the transmission in place.
13. Make sure the area is clear of people and tools, and verify that the transmission is securely held in place. Then, slowly open the Release Valve to lower the Transmission Jack.
14. Move the Transmission Jack from under the vehicle and perform your desired maintenance.
15. To re-mount the transmission, reverse this procedure.

 **Warning! The Jack is designed to lift loads only for short periods of time. Do not use to suspend a load for more than 30 minutes at a time.**

TRANSMISSION INSTALLATION

1. Move the Transmission Jack so that the transmission is lined up properly with its connection points.
2. Close the Release Valve.
3. Pump the Handle to gradually raise the Transmission Jack, while guiding it into place.
4. Secure the transmission into place using its hardware.
5. Double-check to make sure the transmission is securely installed.
6. Disconnect the Chain and remove it.
7. Clear the area near the Transmission Jack, and slowly open the Release Valve to lower the Jack.
8. Move the Transmission Jack clear of the vehicle.

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.

MAINTENANCE



Important: Use only good grade hydraulic jack oil. Avoid mixing different types of fluid and NEVER use brake fluid, turbine oil, transmission fluid, motor oil or glycerin. Improper fluid can cause premature failure of the jack and the potential for sudden and immediate loss of load.

Adding Oil

1. With saddle fully lowered, set jack in its upright, level position. Remove oil filler plug.
2. Check hydraulic oil level and fill to 1/4" below the fill port as needed.

Changing Oil

For best performance and longest life, replace the complete fluid supply at least once per year.

1. With saddle fully lowered, remove oil filler plug.
2. Lay the jack on its side and drain the fluid into a suitable container.

Note. Dispose of hydraulic fluid in accordance with local regulations.

3. Set jack in its level position. Fill until oil is level with the oil filler hole, reinstall oil filler plug.

Lubrication

A periodic coating of light lubricating oil to pivot points, axles and hinges will help to prevent rust and assure that casters and pump assemblies move freely.

Cleaning

Periodically check the pump piston and ram for signs of rust or corrosion. Clean as needed and wipe with an oily cloth.

Note: Never use sandpaper or abrasive material on these surfaces!

Storage

When not in use, store the jack with saddle fully lowered.

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



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Figure	Description	Quantity
24843-1	Saddle	1
24843-2	Bracket	1
24843-3	Handle	1
24843-4	Underframe	1
24843-5	Clamp Spring	1
24843-6	Pin	1
24843-7	Screw	3
24843-8	Spring Washer	2
24843-9	Drag Hook	1
24843-10	Bolt	2
24843-11	Wheel	4
24843-12	Nut	4
24843-13	Spring Washer	6
24843-14	Washer	4
24843-15	Pump	1
24843-16	Split Pin	1
24843-17	Bolt	6
24843-18	Spring Washer	8
24843-19	Screw	2
24843-20	Screw Base for Hook	2
24843-21	Hook	2
24843-22	Chain	2
24843-23	Screw	6
24843-24	Nut	2
24843-25	Washer	6
24843-26	Ring	2
24843-27	Angle Bracket	1
24843-28	Support	1
24843-29	Washer	3

Note: Not all components of the Transmission Jack are replacement items, but are illustrated as a convenient reference for location and position in the assembly sequence.

Use caution when troubleshooting a malfunctioning jack. Stay well clear of the supported load. Completely resolve all problems before use. If the jack is malfunctioning, have a qualified technician inspect and repair the jack before use. After the jack is repaired: Test it carefully without a load by raising it and lowering it fully, checking for proper operation.

ASSEMBLY

1. Connect an Angle Bracket (27) to each side of the Saddle (1) using a Bolt (17) and Washer (18), and Nut (23).
2. Connect a Support (28) to each end of the Angle Bracket using Bolt using a Bolt (17) and Washer (18), and Nut (23) on two of the Supports and Hook Base (20) and Washer (18), and Nut (23) on the remaining two.
3. Attach Chain (22) to Hook Base (20) using Hook (21) and Wing Nut (19). Repeat for other Chain.

