

ART.NO 4800708

Instructions

0.5T Transmission jack



WARNING!

- Study, understand, and follow all instructions before operating this device.
- Do not exceed rated capacity.
- Use only on hard level surface.
- Adequately support the vehicle before starting repairs.
- Use of this product is limited to the removal, installation, and transportation in the lowered position, of transmissions, transfer cases, and transaxles.
- No alterations shall be made to this product.
- Only attachments and/or adapters supplied by the manufacturer shall be used.
- Do not use this jack for any use other than the manufacturer specified usage.
- Failure to heed these markings may result in personal injury and/or property damage.

Additional Notes:

- Save the receipt, warranty and these instructions.
- Do not modify the jack in any way. Unauthorized modification may impair the function and/or safety and could affect the life of the equipment. There are specific applications for which the jack was designed.
- Always check for damaged or worn out parts before using the jack. Broken parts will affect the equipment's operation. Replace or repair damaged or worn parts immediately.
- When jack is not in use, store it in a secure place out of the reach of children. Inspect it for good working condition prior to storage and before re-use.

Intended use

This machine is designed for removal, installation and transportation (in the lowered position) of transmissions and transfer cases on passenger cars, vans and light trucks that are raised by an in-ground or above-ground lift.

Description

Technical data

| | |
|----------------|---------|
| Model | 4800708 |
| Rated capacity | 0,5 ton |
| Min. height | 1,175mm |
| Max. height | 1,985mm |



Scope of delivery

After unpacking the product, check if the delivery is complete and if all parts are in good condition. Remove all packing materials before use. Please contact customer service if parts are missing or damaged.

| NO | Description | Qty's | NO | Description | Qty's |
|----|--------------------|-------|----|--------------------|-------|
| 1 | Main jack assembly | 1 | 6 | Dome nuts M12 | 4 |
| 2 | Saddle | 1 | 7 | Washer 12mm | 8 |
| 3 | Leg stands | 2 | 8 | Spring washer 12mm | 8 |
| 4 | Casters | 4 | 9 | Bolt M12x25mmL | 4 |
| 5 | Foot pedal | 1 | | | |

Assembly

Visually inspect all components for shipping damage. If any shipping damage is found, notify carrier at once. Shipping damage is not covered by warranty. The carrier is responsible for all repair or replacement costs resulting from damage in shipment.

1. Foot pedal assembly instruction:

Tools will be used: Circlip pliers (not included)/ Hexagon socket wrench (not included)

(1). Remove the circlip (upper) and pin (upper) from the foot pedal by circlip pliers.



Fig (1)

(2). Install the foot pedal on the bottom base of transmission jack by using the pin and circlip.

Note: User needs to press the foot pedal and stay still to avoid hurting themselves when releasing the foot pedal.



Fig (2)

[3]. Turn the two screws counterclockwise to remove them from the bottom base with the hexagon socket wrench.



Fig [3]

[4]. Take the plate out from the base, then releasing the foot pedal.

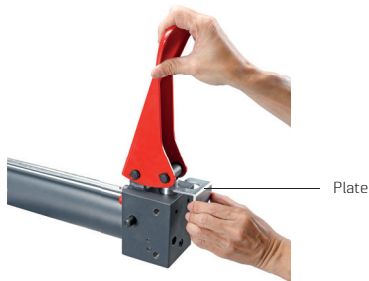


Fig [4-1]



Fig [4-2]

[5]. Put up the whole machine.



Fig [5]

2. Locate the two leg stands.
3. Connect both leg stands to the bottom base by installing the four M12x25mmL bolts with four 12mm washers and four 12mm spring washers supplied.
4. Fix the four casters to the ends of the leg stands using the M12 domed nuts with 12mm washers & 12mm spring washers supplied.
5. Ensure all bolts and nuts are fully tightened.
6. Slide the saddle over the top of the main piston.

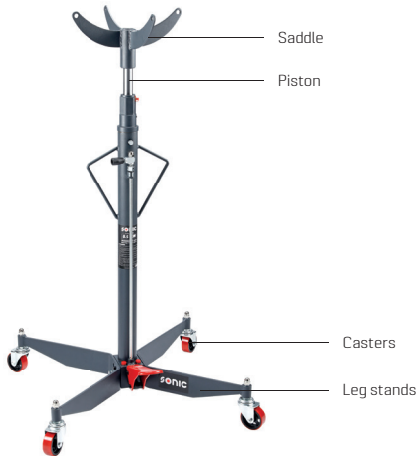


Fig (6)



Before use

Inspection

- Inspect the jack carefully before each use. Ensure the jack is not damaged, excessively worn, or missing parts.
- Do not use the jack unless it is properly lubricated.
- Using a jack that is not in good clean working condition or properly lubricated may cause serious injury.
- Inspect the work area before each use. Make sure it is free and clear of any potential hazards.

Operation

Prior to first use

- After assembly, leave the jack to stand for one hour to allow the oil to settle before purging the system.
- Note: Failure to allow sufficient time for the oil to settle could result in air remaining in the oil. In this event, the jack will not purge completely the first time and a second purge will be required.
- Purge the hydraulic circuit to eliminate any air in the system by turning the air vent counter clockwise by one turn, turn and hold the release valve handle to the right and then pumping the foot pedal 15 to 20 times.
- Retighten the air vent screw and release the handle.
- Test the jack, with no load, by raising it to full height and then lowering it (see below).

Raising the jack

Warning: Never load a weight greater than that which the transmission jack was designed for (0.5 Ton), overloading can lead to personal injury or damage to the jack.

Before using the transmission jack, have a visual inspection to make sure there are no oil leaks or damage etc.

- Roll the transmission jack into position.
- Pump the foot pedal until saddle reaches desired height.
- Carefully centre the load on the saddle; ensure the centre of gravity of the load is centred on the saddle and the setup is stable and secure.
- Slowly and carefully turn the release handle to the right to lower the load to its lowest possible position.

Note: Carefully center load on the saddle. Ensure the load's center of gravity is centered on the saddle and the setup is stable and secure.

Note: Before lowering load check to ensure all tools and personnel are clear and it is safe to lower the load.

Note: The speed of lowering is controlled by the release handle. The more the valve is opened the more rapidly the jack descends. Ensure the descent is slow and controlled.

Warning: Dangerous dynamic shock loads are created by quick opening and closing the release handle when the load is being lowered. The resulting overload may cause hydraulic system failure which could cause property damage and/or severe personal injury.

Lowering the jack

- If necessary, carefully and slowly move the jack.
- Transfer load immediately to appropriate support device for service or repair.
- **Note:** The oil filler screw must be closed at all times whilst operating the transmission jack.

Maintenance and lubrication

- When not in use, store the jack in a dry location with saddle in lowest position.
- Periodically check the piston rod for signs of rust or corrosion. Clean exposed areas with a clean oiled cloth.

Warning: Never use sandpaper or abrasive material on these surfaces.

- A coating of light lubricating oil to pivot points, axles and hinges will help to prevent rust and assure that castors, foot pedal and pump assemblies move freely. Periodically lubricate the pivot points, axles and hinges with a light lubricating oil as needed.
- With jack in its lowest position, remove the air vent screw (19) to check the hydraulic oil level. If it is not adequate, add high quality hydraulic jack oil as necessary. Insert and tighten the air vent screw. Then purge away air from hydraulic system.

Warning: Do not use brake fluid or any other improper fluid and avoid mixing different types of oil when adding hydraulic oil.

- To ensure best performance and longer equipment life, replace the complete hydraulic oil at least once a year. With jack in its lowest position, remove the air vent screw, lay the jack on its side and drain the oil into a suitable container.

Note: Ensure that no dirt gets into the system.

- Set the jack in its level upright position, fill with approved hydraulic jack oil. Then replace the air vent screw and purge away air from hydraulic system.

Note: Dispose of hydraulic oil in accordance with local regulations.

- When equipment efficiency drops, purge away air from hydraulic system.
- It is recommended that an annual inspection be done by qualified technicians.

Troubleshooting guide

| Trouble | Cause | Solution |
|---|--|--|
| Unit fails to extend or extends partially. | Low fluid level | Refer to maintenance section and fill to correct fluid level. |
| Incomplete or spongy cylinder response when foot pedal is pumped. | 1. Low fluid level | 1. Fill to correct fluid level. |
| | 2. Air in system | 2. Refer to operation section and purge the hydraulic circuit. |
| | 3. Pressure is low | 3. Pressure regulating again. |
| Unit fails to extend when foot pedal is pumped. | 1. Release handle malfunction | 1. Pump foot pedal with release handle open. |
| | 2. Contamination | 2. Disassemble and clean unit. |
| Cylinder doesn't retract or retract slowly when release pedal is activated. | 1. Release handle malfunction or cylinder is binding | 1. Disassemble unit, replace defective parts. |
| | 2. Contamination | 2. Disassemble and clean unit. |



ENG | GENERAL SAFETY WARNINGS

WARNING!

Read and understand all instructions, failure to follow all instructions listed below may result in serious injury. The warnings, cautions, and instructions discussed in this instruction manual cannot cover all possible conditions or situations that could occur. It must be understood by the operator that common sense and caution are factors that cannot be built into this product, but must be supplied by the operator.

Save all warning and instructions for future reference.

1. Work area safety

- a. Do not expose the equipment to rain or snow.
- b. Only use this equipment on a surface that is stable, level, smooth and capable of sustaining the load. Keep the surface clean, tidy and free from unrelated materials and ensure that there is adequate lighting.
- c. Ensure children and other bystanders are kept at a safe distance when using jack.

2. Personal safety

- a. Remove loose clothing. Remove ties, watches, rings and other loose jewelry, and contain long hair.
- b. Always wear ANSI approved safety goggles when operating this jack.
- c. Keep proper balance and footing, do not over-reach and wear nonskid footwear.
- d. Inspect the jack before each use. Do not use if bent, broken, cracked, leaking or otherwise damaged, any suspect parts are noted or it has been subjected to a shock load.
- e. Do not allow untrained persons to operate this product.

3. Jack use and care

- a. Store idle jack. When jack is not in use, store it in a secure place out of the reach of children. Inspect it for good working condition prior to storage and before re-use.
- b. Not suitable use by children or people with reduced mental capacity.
- c. Do not use under the influence of drugs or alcohol.
- d. The maximum load capacity is 0.5 ton. Do not exceed this rated capacity.
- e. This jack is used as an aid in the removal and installation of a transmission or a differential as individual components. Do not use it for any other purpose it is not designed to perform.
- f. Do not use this transmission jack as a vehicle lifting device or as a vehicle support.
- g. Vehicle must be properly and adequately supported before starting repairs.
- h. Do not use this jack to lift or support assemblies such as a differential with axle, or a transmission with bell housing which will be bulky and difficult to balance. This may cause the jack to tip over and lead to property damage and/or serious personal injury.
- i. Center load on the saddle and be sure the setup is stable and secure.
- j. Never move this jack with a load any higher off ground than necessary and move it slowly and carefully.
- k. Transfer load immediately to appropriate support device for service or repair.
- l. Use a qualified person to maintain the equipment in good condition. Keep it clean for best and safest performance.
- m. If the equipment needs repairing and/or there are any parts that need to be replaced, have it repaired by authorized technicians and only use the replacement parts supplied by the manufacturer.