

Replacement Parts

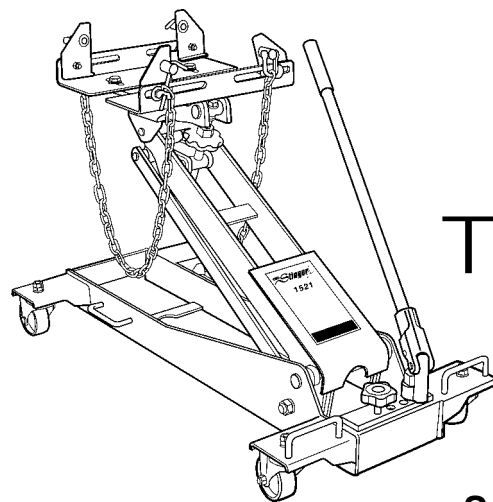
Item No.	Part No.	Description
1	506978	Replacement Casters (<i>set of 4</i>)
2	506979	Replacement Tilt Screws
3	506980	Saddle Replacement Kit
4	506981	Replacement Handle
5	506982	Pump Seal Repair Kit
	506590	Decal (<i>not shown</i>)
	506977	Replacement Pump (<i>not shown</i>)

Refer to any operating instructions included with the product for detailed information about operation, testing, disassembly, reassembly, and preventive maintenance.

Items found in this parts list have been carefully tested and selected by OTC. **Therefore: Use only genuine OTC replacement parts.**

Additional questions can be directed to our Technical Service Dept.

Trim 3/4"



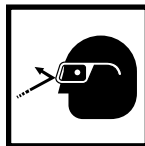
SPX OTC

No. 1521 Low Lift Transmission Jack

Max. Capacity: 1,000 lbs. (500 kg)

Safety Precautions

Warning: Failure to follow these warnings could cause a loss of load, damage to equipment, and/or failure of equipment, which may result in personal injury or property damage:



- Wear eye protection that meets the requirements of ANSI Z87.1 and OSHA.
- Before each use, inspect the jack for leaks and damaged, loose, or missing parts. Immediately replace cut, frayed, or damaged hoses.
- Do not modify this transmission jack or use attachments unless supplied by OTC. If a modification is needed, please contact OTC Technical Services.
- This jack is designed to remove or install only automotive or truck transmissions. Using the jack in a manner for which it is not designed may result in injury or damage to equipment.
- The load must not exceed the maximum rated capacity of 1,000 lbs. (500 kg).
- Stay out from underneath the load at all times.
- Secure the load to the jack.
- Use the jack on hard, level surfaces only.
- Lower the load completely before moving the jack.

Operating Instructions

Setup

The first time the jack is used, remove the shipping oil plug, and install the vented oil plug.

Operating Instructions

1. Position the jack under the transmission.
2. Close the control valve. Operate the pump handle to raise the boom and align the mounting plate with the transmission.
3. Remove the transmission according to the instructions in the vehicle service manual.
4. Position the transmission on the mounting plate, resting against the angle plates.
 - The mounting plate may be tilted forward and backward by turning the tilt knob.
 - The mounting plate may be tilted side-to-side by adjusting the two vertical hex hd. cap screws.
5. Secure the transmission to the mounting plate.
6. Lower the load by slowly opening the control valve. The control valve regulates how fast the boom is lowered.

Preventive Maintenance

Important: Dirt is the greatest single cause of failure in hydraulic units. Keep the jack clean and well lubricated to prevent foreign matter from entering the system. If the jack has been exposed to rain, snow, sand, or grit, it must be cleaned before it is used.

1. Store the jack in a well-protected area where it will not be exposed to corrosive vapors, abrasive dust, or any other harmful elements.
2. Regularly lubricate the moving parts.
3. Replace the oil in the reservoir at least once per year. To check the oil level, place the jack on level ground and lower the lift arm completely. Remove the filler plug. The oil level should be within 3/8" of the filler plug hole. If necessary, add approved anti-wear hydraulic jack oil, and install the filler plug again. **Important: The use of alcohol, hydraulic brake fluid, detergent motor oil, or transmission oil could damage the seals and result in jack failure.**
4. Inspect the jack before each use. Take corrective action if any of the following problems are found:
 - a. Cracked or damaged housing
 - b. Excessive wear, bending, or other damage
 - c. Leaking hydraulic fluid
 - d. Scored or damaged piston rod
 - e. Malfunctioning swivel heads or adjusting screws
 - f. Loose hardware
 - g. Modified or altered equipment

Troubleshooting Guide

Repair procedures must be performed in a dirt-free environment by qualified personnel who are familiar with this equipment.

Trouble	Cause	Solution
Jack does not lift	1. Release valve is open	1. Close release valve
	2. Low/no oil in reservoir	2. Fill with oil and bleed system
	3. Air-locked system	3. Bleed system
	4. Load is above capacity of jack	4. Use correct equipment
	5. Delivery valve and/or bypass valve not working correctly	5. Clean to remove dirt or foreign matter. Replace oil.
	6. Packing worn out or defective	6. Replace power unit
Jack lifts only partially	1. Too much or not enough oil	1. Check oil level
Jack advances slowly	1. Pump not working correctly	1. Replace power unit
	2. Leaking seals	2. Replace power unit
Jack lifts load, but doesn't hold	1. Cylinder packing is leaking	1. Replace power unit
	2. Valve not working correctly (suction, delivery, release, or bypass)	2. Inspect valves. Clean and repair seat surfaces.
	3. Air-locked system	3. Bleed system
Jack leaks oil	1. Worn or damaged seals	1. Replace power unit
Jack will not retract	1. Release valve is closed	1. Open or clean release valve
Jack retracts slowly	1. Cylinder damaged internally	1. Send jack to OTC authorized service center for repair
	2. Link section is binding	2. Lubricate link section

SPX OTC

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