

- *Operating Manual*
- *Warning Information*
- *Parts List*



Meets or exceeds ASME PALD-1997 standards for performance & safety.

!WARNING

THE USE OF THIS JACK IS LIMITED TO THE REMOVAL, INSTALLATION, AND TRANSPORTATION IN THE LOWERED POSITION, OF TRANSMISSIONS AND DIFFERENTIALS. IT MAY BE USED WITH APPROPRIATE ADAPTERS MANUFACTURED SPECIFICALLY FOR THE JACK TO HANDLE OTHER COMPONENTS, SUCH AS REAR AXLE UNITS AND TRANSFER CASES, WITHIN THE WEIGHT LIMITATIONS SPECIFIED. NO ALTERATION TO THE JACK OR ADAPTERS SHALL BE MADE.

BE SURE THE VEHICLE IS APPROPRIATELY SUPPORTED BEFORE STARTING REPAIRS.

DO NOT OVERLOAD. OVERLOADING CAN CAUSE DAMAGE TO OR FAILURE OF THE JACK.

ONLY ATTACHMENTS AND/OR ADAPTERS SUPPLIED BY THE MANUFACTURER SHALL BE USED.

THIS JACK IS DESIGNED FOR USE ONLY ON HARD LEVEL SURFACES CAPABLE OF SUSTAINING THE LOAD. USE ON OTHER THAN HARD LEVEL SURFACES CAN RESULT IN JACK INSTABILITY AND POSSIBLE LOSS OF LOAD.

READ, STUDY AND UNDERSTAND THE OPERATING MANUAL PACKED WITH THIS JACK BEFORE OPERATING.

FAILURE TO HEED THESE WARNINGS MAY RESULT IN LOSS OF LOAD, DAMAGE TO JACK, AND/OR FAILURE RESULTING IN PROPERTY DAMAGE, PERSONAL OR FATAL INJURY.

THIS OPERATING MANUAL CONTAINS IMPORTANT SAFETY INFORMATION.

READ CAREFULLY AND UNDERSTAND ALL INFORMATION BEFORE OPERATING THIS TOOL.

SAVE THIS MANUAL FOR FUTURE USE.

!WARNING

FOR YOUR SAFETY AND TO PREVENT INJURY:

Use jack for lifting purposes **ONLY**.

Always support vehicle with jack stands.

CTJ-1000ATTJ

1000 Lb.

Air-Operated Telescopic Transmission Jack

OWNER/USER RESPONSIBILITY

The owner and/or user must have an understanding of the manufacturer's operating instructions and warnings before using the transmission jack. Personnel involved in the use and operation of equipment shall be careful, competent, trained, and qualified in the safe operation of the equipment and its proper use when servicing motor vehicles and their components. Warning information should be emphasized and understood. If the operator is not fluent in English, the manufacturer's instructions and warnings shall be read to and discussed with the operator in the operator's native language by the purchaser/owner, making sure that the operator comprehends its contents.

Owner and/or user must study and maintain for future reference the manufacturer's instructions and pertinent warning information. Owner and/or user is responsible for keeping all warning labels and instruction manuals legible and intact. Replacement labels and literature are available from the manufacturer.

INSPECTION

Visual inspection should be made before each use of the transmission jack. Any jack which appears to be damaged in any way, is found to be badly worn, or operates abnormally must be removed from service. If the jack is accidentally subjected to an abnormal load or shock it must be inspected by a manufacturer's authorized repair facility immediately. It is recommended that an annual inspection of the jack be made by a manufacturer's authorized repair facility and that any defective parts, decals, or warning labels be replaced with manufacturer's specified parts. All repairs must be made by a factory authorized service center. A list of authorized repair facilities is available from the manufacturer.

MAINTENANCE INSTRUCTIONS

1. Lubricate regularly moving parts and related linkages of the jack.
2. Regularly check oil level with the saddle fully lowered. When adding or replacing oil, fill hydraulic oil up to the height level of oil filler entrance, after this jack is put on the level ground and two stage piston rams are fully

IMPORTANT! BEFORE USE

Sometimes during shipment and handling air gets into the hydraulic system, causing poor lifting performance.

Bleeding the pump: With the release lever down, pump pedal several times to force excess air from the piston area. It should then be possible to raise the ram with normal foot pedal action.

Bleeding the ram: Pump the ram up until it is fully extended by slowly pumping the foot pedal. Loosen the knurled nut on top of the first stage ram. Air will be released as the saddle slowly comes down. When oil begins to leak out of the knurled nut, tighten the nut finger tight.

This product is fitted to accept the popular 1/4" NPT air nipple. When installing 1/4" nipple of your choice, ensure that thread tape or compound is used when servicing connections.

For air actuated use, ensure that your air source can dedicate 7.8 CFM @ 90psi to each jack operated. To ensure dependable, trouble-free operation, an air dryer and oiler is recommended.

ASSEMBLY INSTRUCTIONS

1. Install legs to chassis by using (1-7) bolts, (1-8) nuts, and (1-9) washers.
2. Install leg assembly to hydraulic power unit by using (2-10) bolts, (2-12) nuts, and (2-11) washers.
Do not use any kind of air ratchet or air gun to tighten any bolt on this unit!
3. Assemble hydraulic power unit and saddle head plate assembly.
4. Assemble saddle head attachments. Always use the load restraint strap!

OPERATING INSTRUCTIONS

1. Lifting: Close release valve first, pump pedal to raise saddle to contact load. Position jack so weight of load will be equally distributed on saddle, and adjust pitch and tilt controls as necessary. Position corner support brackets and secure load with Load Restraint Strap.

WARNING:

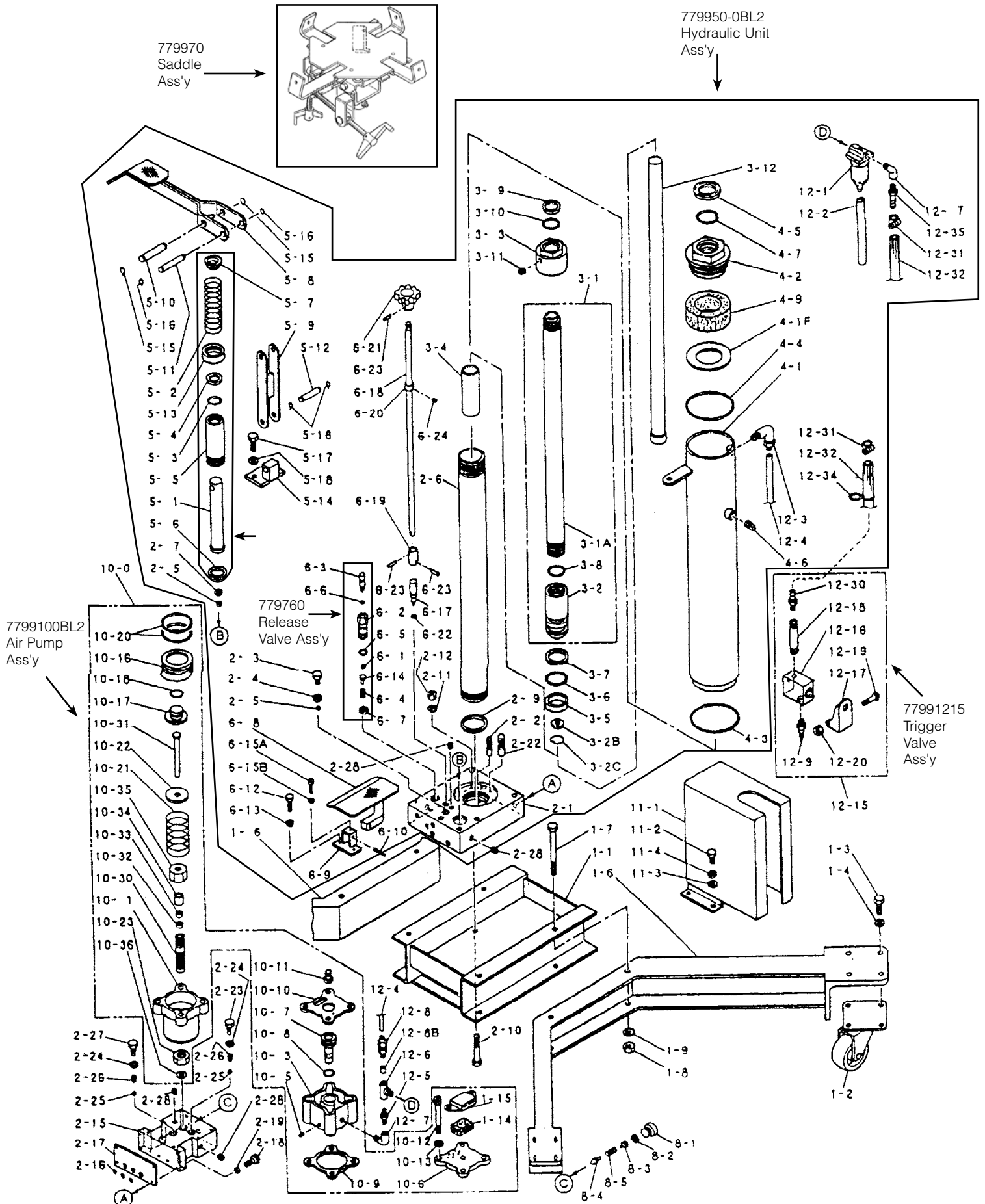
Always use the Load Restraint Strap, Corner Support Brackets, and attachments to stabilize and firmly secure the load to the saddle. The strap should be used as follows: Place the strap over the load and pull tight.

2. To raise the load by air, close release valve by rotating the handle firmly in a clockwise direction (do not overtighten). Carefully position the saddle under the load and pump the foot pedal to raise the load to the desired height.
3. Lowering: To lower jack, press foot pedal slowly to open the release valve.
4. To lower the load using air hydraulic jack, slowly rotate the release rod counterclockwise just enough to open the release valve. Opening the release valve more permits the load to descend faster. Do not close the release valve when lowering the load.

CTJ-1000ATTJ SPECIFICATIONS

Capacity	1000 Lbs.
Low Height	33"
Raised Height	69"
Saddle Tilt Forward	15°
Saddle Tilt Backward	20°
Saddle Tilt Side to Side	10°
Base	35-1/2" x 33-1/2"
Shipping Weight	170 Lbs.

PARTS BREAKDOWN - CTJ-1000ATTJ



PARTS LIST - CTJ-1000ATTJ

Ref. No. Description	Part No. Qty./set	Part	Ref. No. Description	Part No. Qty./set	Part
1-1	779911BL2	Chassis	* 4-4	O-Ring	1
1-2	SC301	Caster	* 4-5	Oil Seal	1
1-3	305004WK	Bolt & Nut #1-4 (set of 8)	4-6	Plug	1
1-4		Nut	* 4-7	O-Ring	1
1-6	779916BL2	Leg	4-9	Rubber Sponge	1
1-7		Bolt	5-0	779750 Pump Assembly	
1-8		Nut	• 5-1	Plunger	1
1-9		Spring Washer	• 5-2	Spring	1
			•* 5-3	O-Ring	1
2-1		Oil Box	•* 5-4	Oil Seal	1
2-2		Oil Strainer	• 5-5	Pump Cylinder	1
2-3		Bolt	• 5-6	Copper Packing	1
2-4		Copper Packing	• 5-7	Spring Retainer (A)	1
2-5		Steel Ball	5-8	Foot Pedal (for lifting)	1
2-6		Cylinder	5-9	Link	1
2-7		Washer	5-10	Plunger Pin	1
2-9		Copper Packing	5-11	Pin (A)	1
2-10		Bolt	5-12	Pin (B)	1
2-11		Spring Washer	• 5-13	Spring Retainer (B)	1
2-12		Nut	5-14	Link Bracket	1
2-15		Valve Box	5-15	Snap Ring	2
* 2-16		O-Ring	5-16	Snap Ring	4
2-17		Plate	5-17	Bolt	2
2-18		Bolt	5-18	Spring Washer	2
2-19		Spring Washer	6-0	779760 Release Valve Assembly	
2-22		Oil Strainer	• 6-1	Steel Ball	1
2-23		Bolt (A)	• 6-2	Nut	1
2-24		Copper Packing	• 6-3	Throttle	1
2-25		Steel Ball	• 6-4	Spring	1
2-26		Spring	•* 6-5	O-Ring	1
2-27		Bolt (B)	•* 6-6	O-Ring	1
2-28		Plug	• 6-7	Copper Packing	1
			6-8	Foot Pedal (for release valve)	1
3-1		Piston Rod (Big) Ass'y	6-9	Pedal Bracket	1
3-1A		Piston Rod (Big)	6-10	Spring Pin	1
3-2		Packing Retainer	6-12	Bolt	2
3-2B		Throttle Plate	6-13	Spring Washer	2
3-2C		Snap Ring	• 6-14	Spring Retainer	1
3-4		Sleeve	6-15A	Screw	1
* 3-5		??? ring	6-15B	Nut	1
* 3-6		O-Ring	6-17	7797617 Release Valve	1
* 3-7		Back-up Ring	6-18	7797618 Rod	1
* 3-8		O-Ring	6-20	Collar	1
* 3-9		Oil Seal	6-21	Grip	1
* 3-10		O-Ring	* 6-22	O-Ring	1
3-11		Plug	6-23	Spring Pin	3
3-12		Piston Rod (Small)	6-24	Set Screw	1
			7-0	779970 Saddle Assembly	
4-1		Oil Tank	10-0	7799100BL2 Air Pump Ass'y	
4-1F		Plate	12-15	77991215 Trigger Valve Ass'y	
4-2		Tank Nut	50-0	779950-0BL2 Hydraulic Power Unit Ass'y	
* 4-3		O-Ring			

* Indicates these items are available as a Seal Kit Part #7799SK.

• Indicates items come as an assembly only.

NOTE: Reference Numbers without Part Numbers are not available.

WARRANTY COVERAGE

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