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Form No. SP04506662

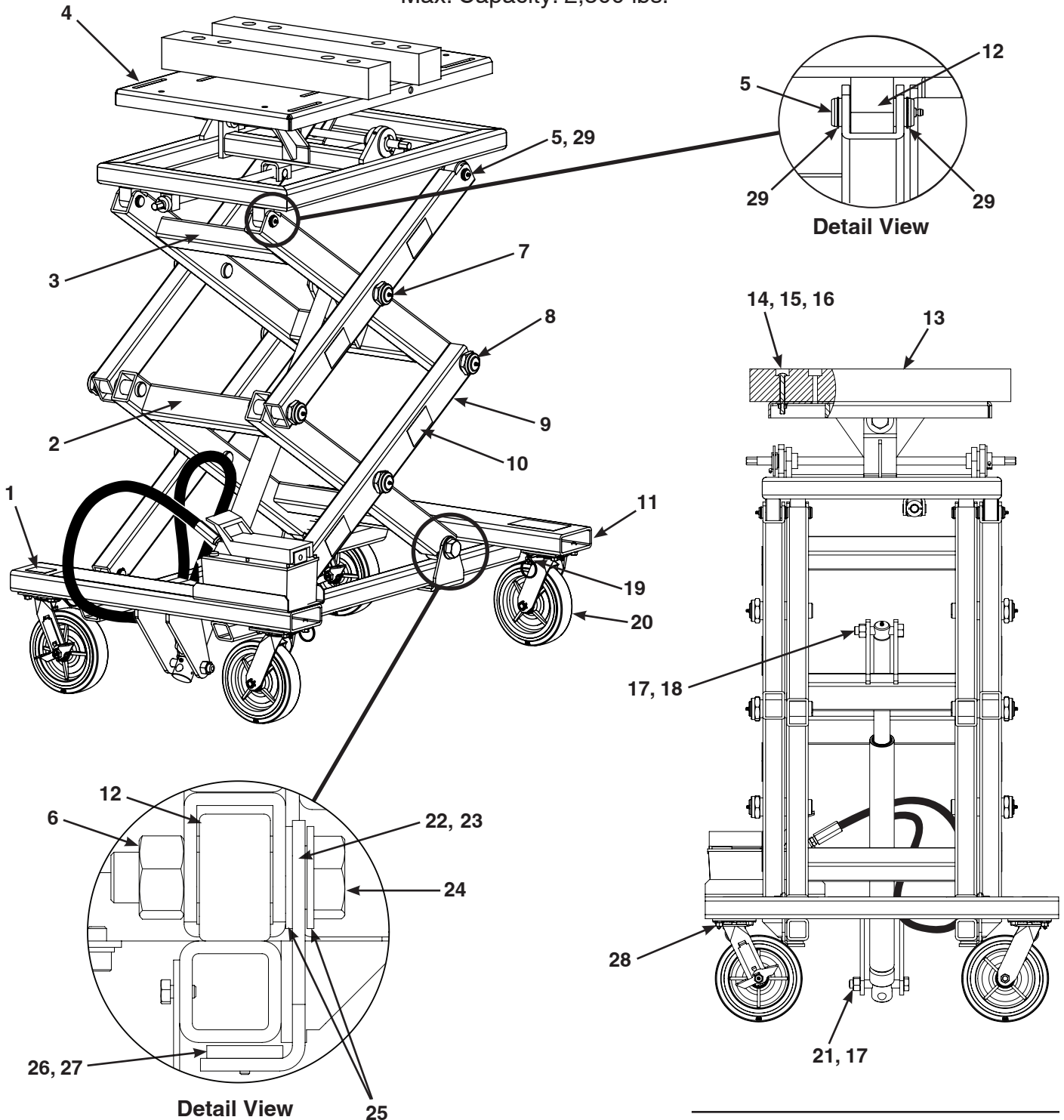
**Parts List and
 Operating Instructions**

for:

1595A

Power Train Lift

Max. Capacity: 2,500 lbs.



Sheet No. 1 of 4

Issue Date: Rev B, June 18, 2020

Item No.	Part No.	No. Reqd.	Description
2	522266	1	Riser Frame Weldment
3	522258	1	Riser Frame Weldment
4	523972	1	Table Assembly (see sheet 2 of 4)
7	16696	8	Press-in Grease Fitting
8	522268	8	Nylon Insert Hex Lock Nut
9	522253	4	Frame Tube Weldment
11	SP04506665	1	Base Weldment
12	522254	4	Wheel
13	528723	2	Wood Block
22	525974	2	Keeper Plate

INCLUDED BUT NOT SHOWN
306422 1 Strap Assembly

Hardware Kit 564182

Item No.	No. Reqd.	Description
14	4	Carriage Bolt
15	4	Washer (.474" ID, .926" OD)
16	4	Hex Nut (7/16-14 UNC)
17	2	Lock Nut
18	1	Bolt (.750-10 x 4.00")
21	1	Bolt (.750-10 x 5.00")
23	2	Bushing
26	4	Screw (10-24 x 1/2")
27	2	Glide Strip

INCLUDED BUT NOT SHOWN
(For Pneumatic Version Lifts Only)

4	Hex Head Cap Screw (1/4-20 x .50")
4	Lock Washer (.248" ID)
4	Hex Head Cap Screw
4	Washer (.349" ID, .692 OD")
4	Lock Washer
4	Hex Nut (5/16-18 UNC)
2	Soc. Hd. Cap Screw (3/8-24 x 1/2")
2	Lock Washer
4	Cable Clamp

Frame Hardware Kit 564179

Item No.	No. Reqd.	Description
5	6	Pivot Pin
6	2	Hex Nut, Reversible Lock
24	2	Hex Head Cap Screw (1-8 UNC x 3.750")
25	4	Washer
29	12	Retaining Ring

Caster Kit 579912

Item No.	No. Reqd.	Description
19	1	Caster Swivel Lock
20	1	Swivel Caster with Brake

Bolt Pack 579913

Item No.	No. Reqd.	Description
28	6	Serrated Flange Bolt (3/8-16 x 3/4")

Decal Kit SP04506931

Item No.	No. Reqd.	Description
1	1	Logo/Warning Decal
10	8	Warning Decal

523972 TABLE ASSEMBLY

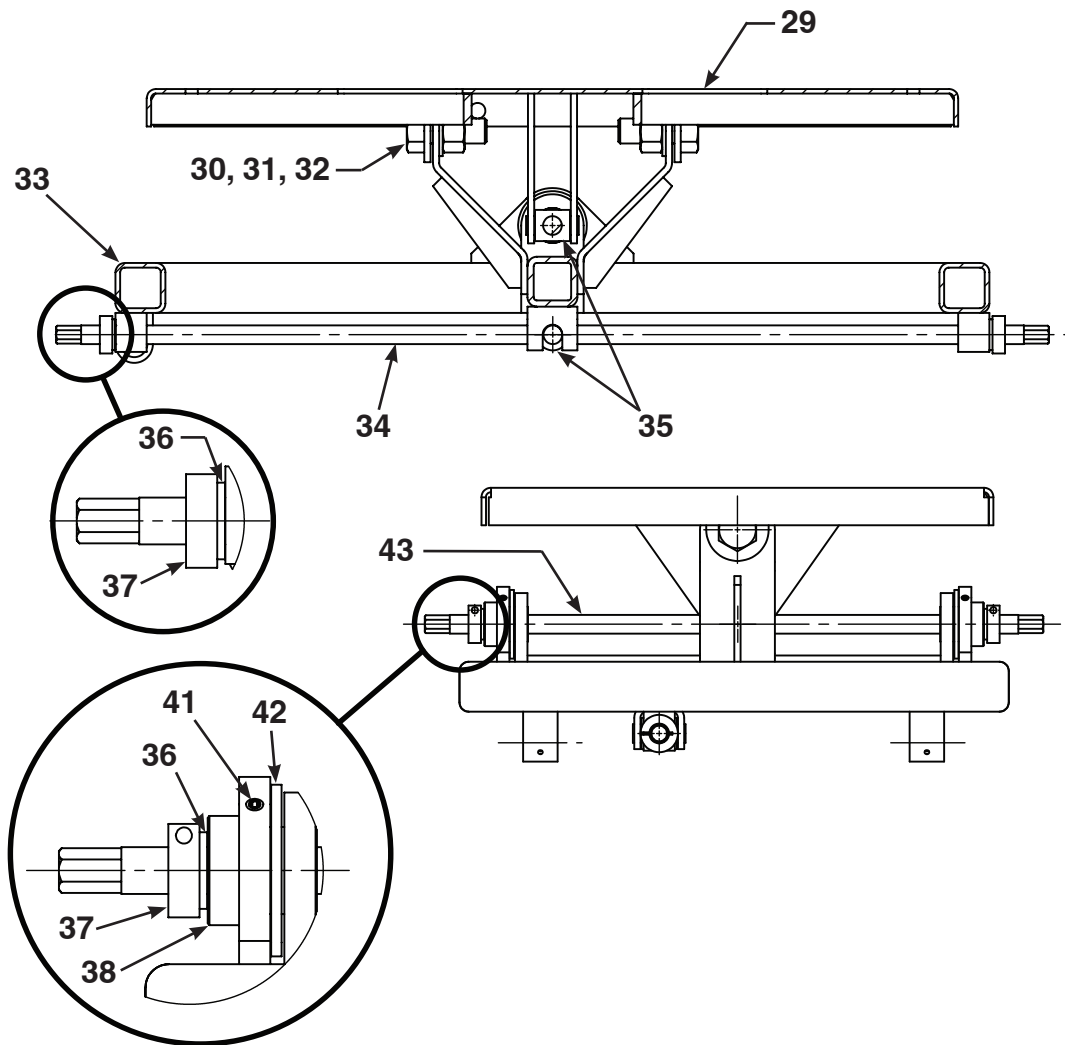
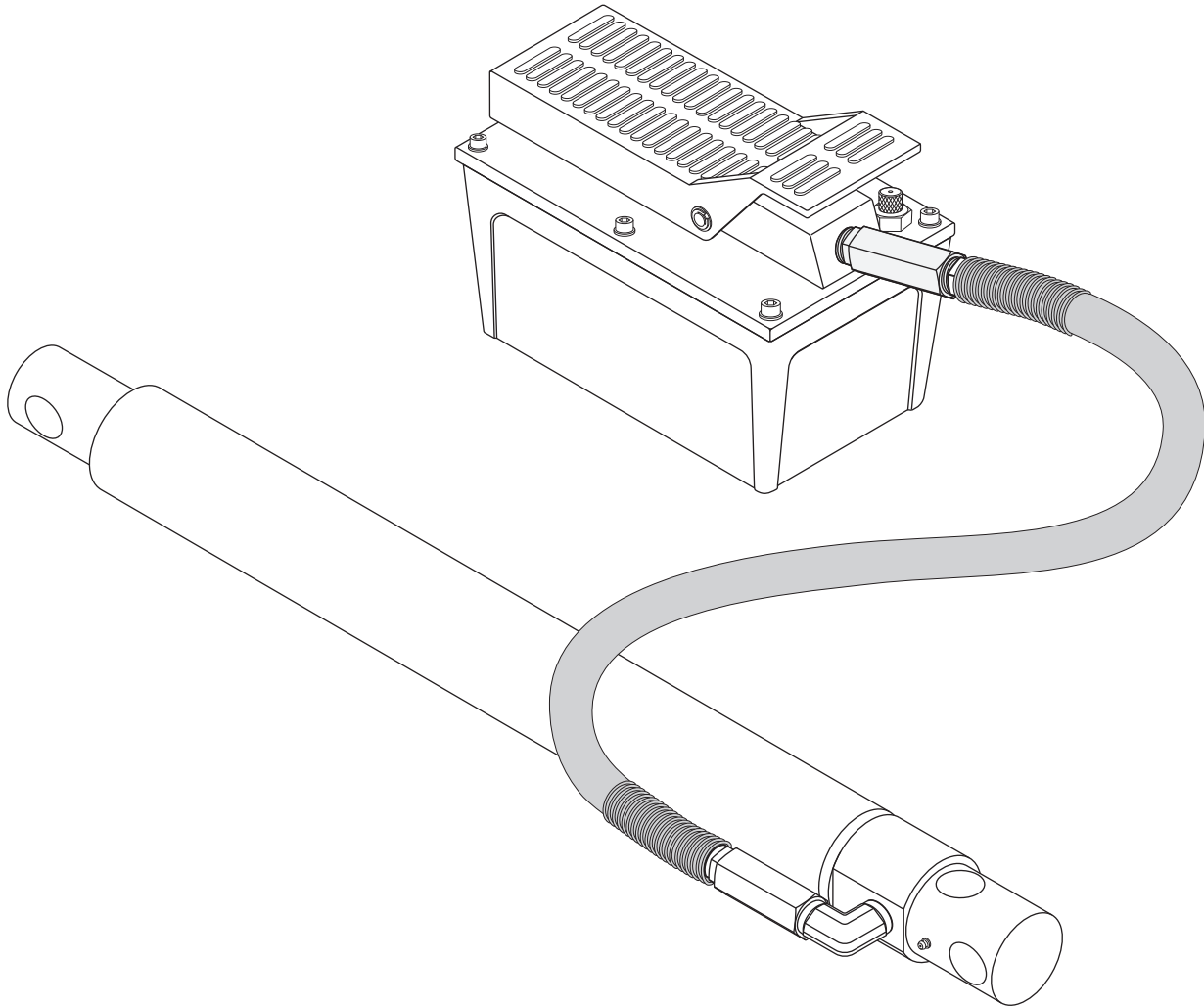


Table Hardware Kit 564183

Item No.	Part No.	No. Reqd.	Description
29	523969	1	Table Weldment
33	523950	1	Table Base Weldment
34	523964	1	Threaded Rod
35	523970	2	Threaded Trunnion
43	523966	1	Threaded Rod
INCLUDED BUT NOT SHOWN			
	523956	1	Table Tilt Weldment

Item No.	No. Reqd.	Description
30	2	Screw, Hex Head (1"-8 x 1.5" Long, Grade 8)
31	2	Washer
32	2	Reversible Lock Nut
36	4	Thrust Bearing Washer
37	4	Locking Collar
38	2	Bushing
41	2	Set Screw
42	2	Spacer

HYDRAULIC SYSTEM



Item No.	Part No.	No. Reqd.	Description
44	600021	1	Hydraulic System (Complete)

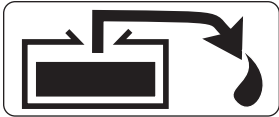
Preparation and Set Up

Unpackaging

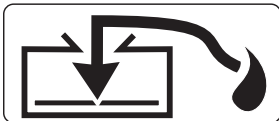
1. Cut shipping banding from carton and platform.
2. Remove the wood chocks from around the caster wheels.
3. Carefully roll the Power Train Lift off the shipping pallet onto the floor.

Prepare The Air Pump For Operation

A. Pictogram Definitions



Activating the pump with the pedal end marked with this pictogram, the flow of fluids is directed out of the reservoir.



Activating the pump with the pedal end marked with this pictogram, the flow of fluids is directed back to the reservoir.





B. Cut shipping tie straps from air pump.

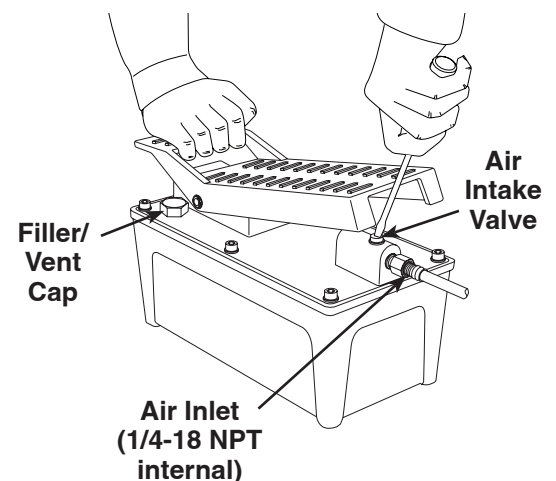
C. Air Supply Hook Up

1. Remove the thread protector from the air inlet of the pump. The pump's air inlet is 1/4-18 NPT internal threads. Select and install the threaded fittings which are compatible with your air supply fittings. The air supply should be 20 CFM (.57 M³/min.) at 100 PSI (7 BAR) at the pump to obtain the rated hydraulic pressure. Air pressure should be regulated to between 50 PSI (3.5 BAR) and 140 PSI (9.5 BAR). A pressure of 100 PSI (7 BAR) is the recommended minimum. Secure your pump fitting to the air supply.
2. It is highly recommended to install an automatic air line oiler to the air supply as close to the pump as possible. Set the unit to feed approximately one drop of oil per minute into the system. Use SAE grade oil, 5W to 30W.

D. Priming The Pump Unit



Under certain circumstances it may be necessary to prime the air pump. To accomplish this, perform the following procedure:


1. Press the release end of the pedal while holding down the air intake valve with a flathead screwdriver. The air intake valve is located directly under the pedal in the area marked . The valve is depressed simultaneously with the  area of the pedal during priming.
2. Allow the pump to cycle approximately 15 seconds.
3. Remove the screwdriver and press the  end of the pedal once more.
4. If the cylinder extends or pressure builds, the pump has been successfully primed. If the pump does not respond, repeat the procedure, jogging the air intake valve while holding the pedal in the  position.



Functional Check of Lift

Without external load applied to the Lift platform, fully raise and lower multiple times to ensure proper function of the hydraulic system and scissor components.

1. Press the end of the air pump foot pedal marked  to raise the Lift platform until it stops at maximum extension.
2. Press and hold the end of the air pump foot pedal marked  to lower the Lift platform until it reaches a fully collapsed position.
3. Ensure platform raises and lowers only when the air pump foot pedal is actively depressed by the operator.

 **WARNING: To prevent personal injury and/or equipment damage, if platform moves after air pump pedal is released, discontinue use and service immediately.**

Safety Precautions

 **WARNING: To prevent personal injury or equipment damage,**



- Study, understand, and follow all instructions before operating this device.

- Wear eye protection that meets OSHA and ANSI Z87.1 standards.

- No alterations shall be made to this product

- Before using the Power Train Lift, inspect the unit for leaks, or damaged, loose, or missing parts. Immediately replace cut, frayed, damaged hoses.



- Only use attachments and/or adapters supplied by the manufacturer.

- Adequately support the vehicle before starting repairs.

- Securely tighten the strap assembly around the component being lifted.

- Do not exceed the rated capacity.

- Do not lift or move a load that has a center of gravity extending beyond the wheels. Tipping can result in personal injury.

- Do not move the Power Train Lift while the load is raised. Always lower the load completely before moving or storing the load.

- Carefully and slowly move a load on an incline or around a corner. Tipping can result in personal injury.



- Use only on a hard, level surface.

- Do not stand under a load that is supported by the Power Train Lift.

- The component must be securely held in place before it is removed from the Power Train Lift.

Operating Instructions

Removal

1. Follow the vehicle manufacturer's recommended service procedure for removal of the component.
2. Position the Power Train Lift under the vehicle.
3. Raise the Power Train Lift to the load.
4. Adjust the wood blocks to fit the assembly, and tighten the nuts to secure the blocks in place.
5. Turn the adjusting screws (items 34 and 43) to align the lift with the component. Raise the lift to the correct position.
6. Place the strap assembly around the component, and tighten the strap securely to the hook holes.
7. Remove any remaining bolts from the vehicle component.
8. Lower the Power Train Lift and the vehicle component until the Lift is completely collapsed.
9. Move the Lift and load out from under the vehicle.

Installation

1. Position the Power Train Lift under the chassis.
2. Raise the Power Train Lift and turn the adjusting screws to align the component in the correct position.
3. Follow the vehicle manufacturer's recommended service procedure for installing the component.

Maintenance

Use a good grade lubricant to regularly lubricate the pivot points, the adjusting screws, and the swivel casters.

This document contains product parts lists, and information regarding operation and maintenance. Items listed in the parts list have been carefully tested and selected by OTC.
Therefore: Use only OTC replacement parts.

Product questions can be directed to the OTC Technical Service Department at (800) 533-6127.



Get parts at
OTCparts.com