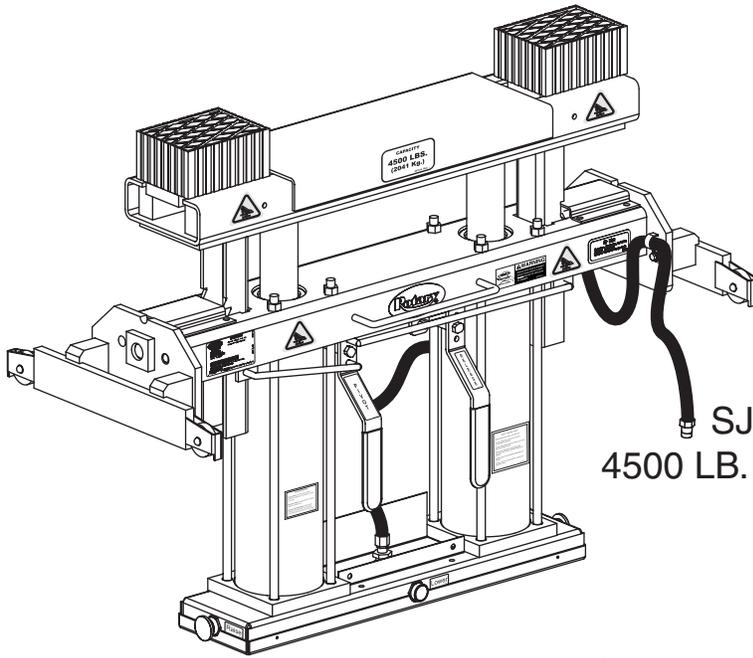


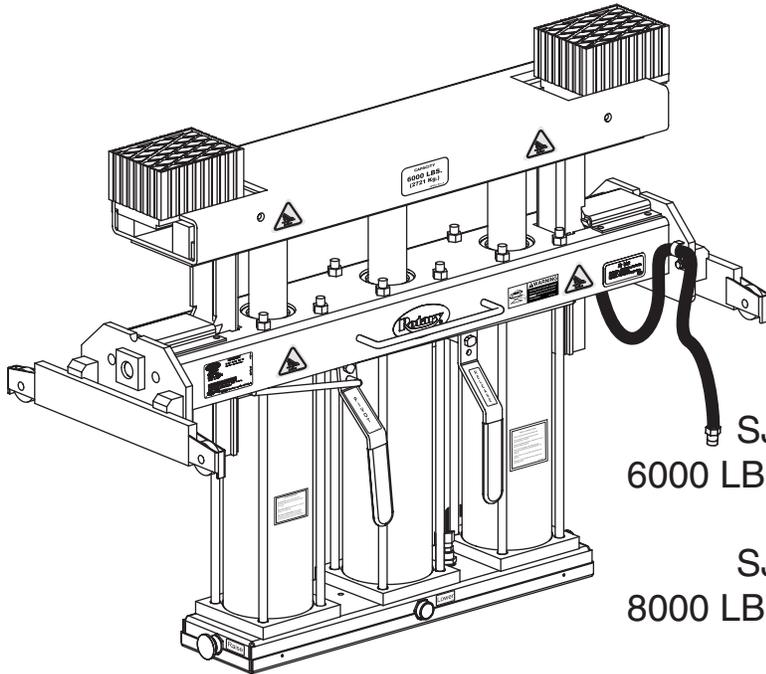


SJ4500/SJ6000/SJ8000

Swing Air Jacks



SJ4500
4500 LB. CAPACITY



SJ6000
6000 LB. CAPACITY

SJ8000
8000 LB. CAPACITY

⚠ IMPORTANT
Combined Jack Load Can Not Exceed Rated Capacity Of Lift.
NP920 Rev. -

Parts Breakdown located on Page 6

LP20171

INSTALLATION - SAFETY - OPERATION - MAINTENANCE

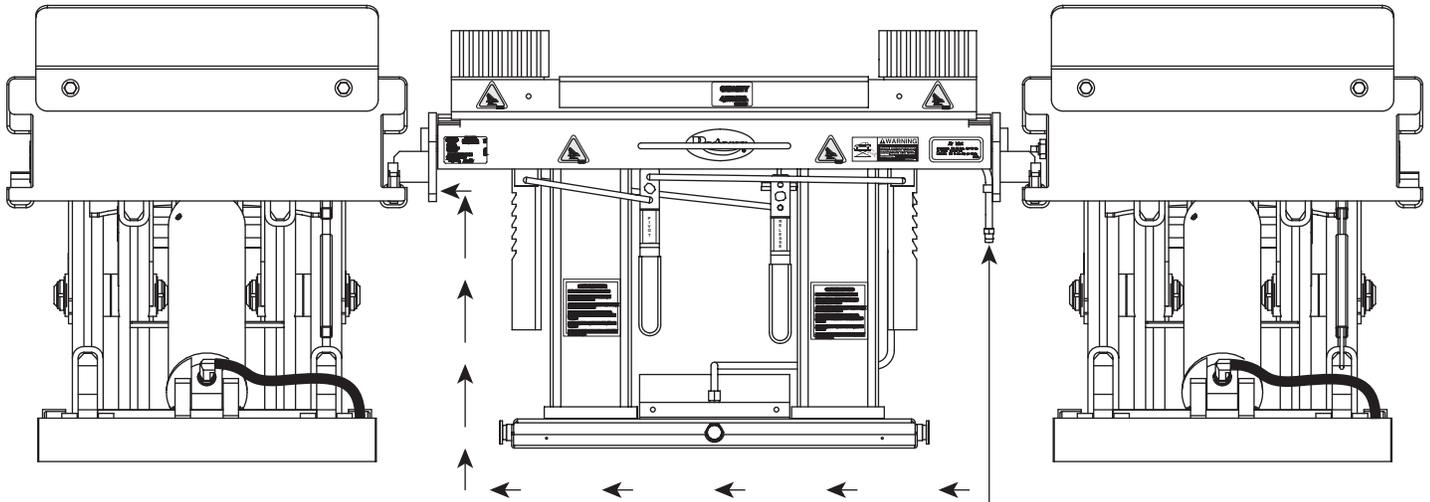
The Owner/Employer:

- Shall ensure that lift operators are qualified and that they are trained in the safe use and operation of the lift using the manufacturer's operating instructions; ALI/SM01-1, *ALI Lifting it Right* safety manual; ALI/ST-90 *ALI Safety Tips* card; ANSI/ALI ALOIM-2000, *American National Standard for Automotive Lifts-Safety Requirements for Operation, Inspection and Maintenance*; ALI/WL Series, *ALI Uniform Warning Label Decals/Placards*; and in the case of frame engaging lifts, ALI/LP-GUIDE, *Vehicle Lifting Points/Quick Reference Guide for Frame Engaging Lifts*.
- Shall establish procedures to periodically inspect the lift in accordance with the lift manufacturer's instructions or ANSI/ALI ALOIM-2000, *American National Standard for Automotive Lifts-Safety Requirements for Operation, Inspection and Maintenance*; and The Employer Shall ensure that lift inspectors are qualified and that they are adequately trained in the inspection of the lift.
- Shall establish procedures to periodically maintain the lift in accordance with the lift manufacturer's instructions or ANSI/ALI ALOIM-2000, *American National Standard for Automotive Lifts-Safety Requirements for Operation, Inspection and Maintenance*; and The Employer Shall ensure that lift maintenance personnel are qualified and that they are adequately trained in the maintenance of the lift.
- Shall maintain the periodic inspection and maintenance records recommended by the manufacturer or ANSI/ALI ALOIM-2000, *American National Standard for Automotive Lifts-Safety Requirements for Operation, Inspection and Maintenance*.
- Shall display the lift manufacturer's operating instructions; ALI/SM 93-1, *ALI Lifting it Right* safety manual; ALI/ST-90 *ALI Safety Tips* card; ANSI/ALI ALOIM-2000, *American National Standard for Automotive Lifts-Safety Requirements for Operation, Inspection and Maintenance*; and in the case of frame engaging lifts, ALI/LP-GUIDE, *Vehicle Lifting Points/Quick Reference Guide for Frame Engaging Lifts*; in a conspicuous location in the lift area convenient to the operator.
- Shall provide necessary lockout/tagout means for energy sources per ANSI Z244.1-1982 (R1993), *Safety Requirements for the Lockout/Tagout of Energy Sources*, before beginning any lift repairs.
- Shall not modify the lift in any manner without the prior written consent of the manufacturer.

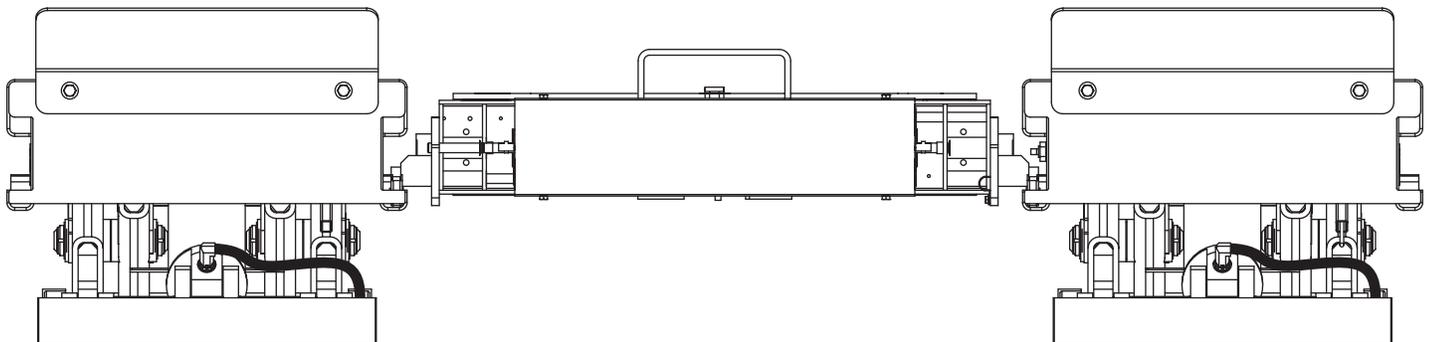
INSTALLATION INSTRUCTIONS

1. Place jack(s) on runway tracks at front and rear with labels facing ends of runways. Make sure wheels are in the tracks.
2. Install male quick-disconnect coupling in jack(s) to match shop fittings, if required. Install filter/regulator/lubricator, set to 100-120 psi (100-150 psi. for SJ8000) and 1 drop of oil per minute. The jack(s) will consume 20 cfm of air. Capacity/serial no./model no. of jacks are stated on the nameplate.

DO NOT OVERLOAD JACK.



Air Hose Can Be Moved To Other Side If Necessary By Removing Bolt, Washer And Clip. Hose Is Wire Tied To Air Cylinder. Wire Tie Will Have To Be Cut And Reattached To Other Air Cylinder. Air Hose Must Be Located So That It Does Not Interfere With Swing Operation.



IMPORTANT

Swing Air Jacks Must Be Rotated Into Horizontal Position Before Lowering Lift To The Floor!

CAUTION

Failure To Do So May Damage The Jack(s) Or Lift!

SAFETY INSTRUCTIONS

- **Never** allow unauthorized or untrained persons to operate jack(s).
- **Thoroughly** train all employees in the use and care of jack(s).
- **Never** overload jack(s). Capacity of jack(s) is stated on the nameplate. Capacity should not be exceeded.
- **Important** Combined jack load can not exceed rated capacity of lift.
- **Observe** and avoid any pinch point areas of the linkage mechanism.

OPERATING INSTRUCTIONS

To avoid personal injury and/or property damage, permit only trained personnel to operate jack. After reviewing these instructions, get familiar with jack controls by running the jack through a few cycles before loading vehicle on jack.

Observe and avoid any pinch point areas of the linkage mechanism.

1. Pivot jack(s) to vertical position. Be sure jack securely locks in position.
2. Place jack(s) under vehicle at manufacturer's recommended pick-up points. Extend adapter assemblies and use rubber blocks for under chassis clearance as required.

Note: The rubber blocks can be stacked 2 high.

CAUTION Allow 12" minimum clearance between vehicle and nearest overhead obstruction before raising vehicle above runways. Failure to comply could damage vehicle and/or cause personal injury.

3. **To Raise Jack(s):** Connect air supply. Actuate both side push buttons (located on sides of jack) simultaneously in the indicated direction and hold until jack(s) is raised to full height and locking latch

engages. Lower jack onto locks before working on vehicle.

4. **To Lower Jack(s):** Raise off locks, release locking latch by actuating release handle. Push the yellow release button on the front of the jack. Located at the bottom of the jack in the center.

Note: The Latch release handle is spring return to neutral. The latch release handle and the yellow release button must be actuated simultaneously during the lowering cycle. **DO NOT** override these "deadman" features.

5. Be sure the jack(s) is fully lowered, the adapters are in their most inboard position, jack(s) are rotated horizontally and pushed towards front of lift before lowering the lift and driving the vehicle off the lift.

6. **WARNING** Do not stack rubber blocks more than 2 high. Never set adapter blocks on edge. Load evenly do not place weight on one side of the jack.



MAINTENANCE INSTRUCTIONS

WARNING If you are not completely familiar with automotive lift maintenance procedures **STOP:** Contact factory for instructions.

TO AVOID PERSONAL INJURY, permit only qualified personnel to perform maintenance on this equipment.

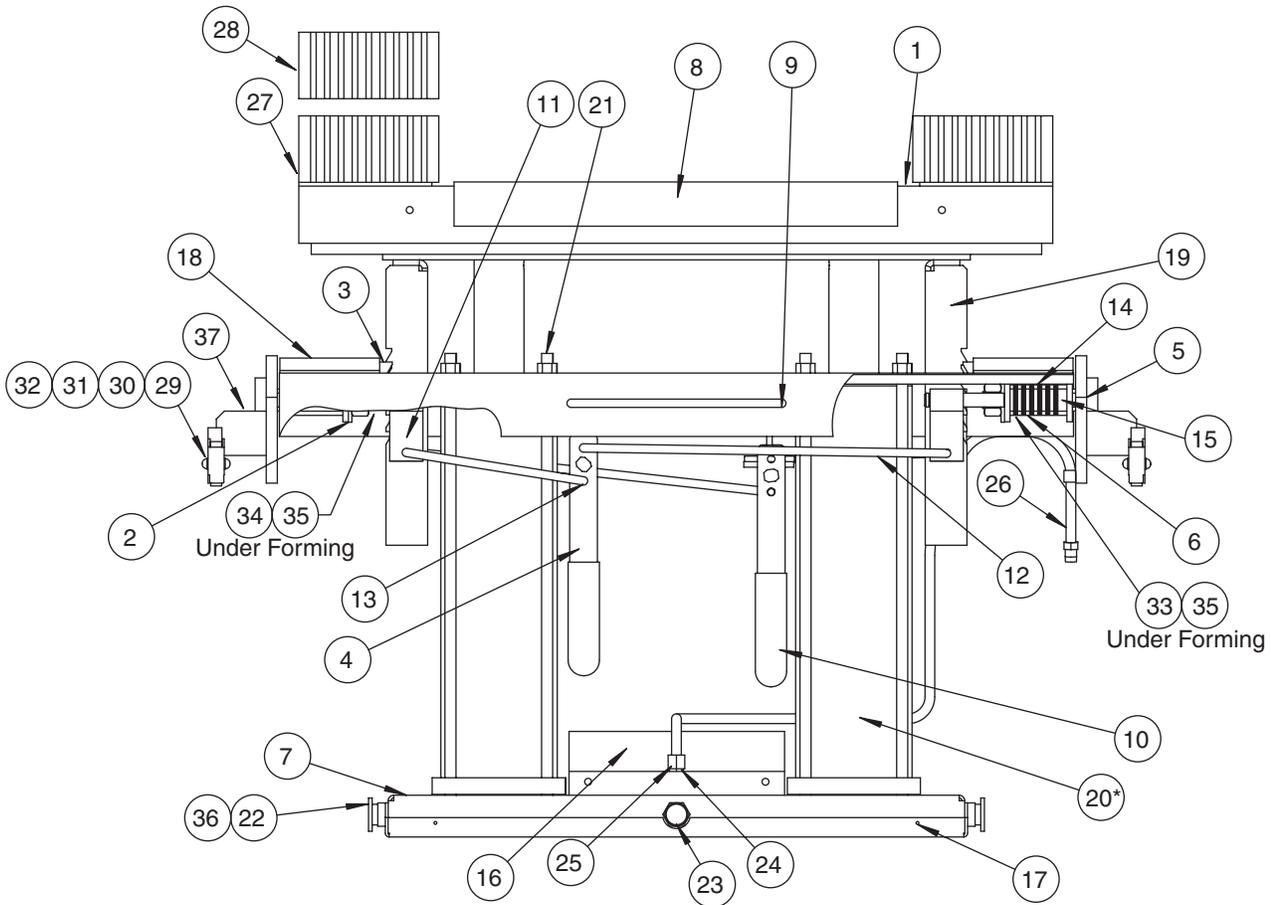
- **Daily:** Inspect jack adapters for damage or excessive wear. Replace as required with genuine genuine Rotary Parts.
- **Daily:** Inspect air system for leaks.
- **Daily:** Inspect for loose bolts, broken/damaged components.

- **Daily:** Inspect linkage rods and handles for damage, wear and tear. Replace as required with genuine Rotary Parts.
- **Monthly:** Inspect the roller assemblies.
- **Semi-Annually:** Check accumulated fluid in control housing.
- **Semi-Annually:** Lubricate sliding locking latch.
- **Every 2 Years:** Disassemble air cylinders, inspect seals, and re-lubricate seals with marine grade grease.
- **Replace:** all caution, warning or safety related labels on the jack(s) if unable to read or missing. Reorder labels from Rotary lift.

TROUBLE SHOOTING

Trouble	Cause	Remedy
Jack(s) will not start when black push buttons are actuated, or jack(s) starts but stalls under load.	<ol style="list-style-type: none"> 1. Insufficient air supply to jack(s). 2. Leak in air supply line. 3. Restriction in air line (i.e. kinks or plugs). 4. Plugged air filter. 5. Leaky air cylinder. 6. Water in cylinder. 	<ol style="list-style-type: none"> 1. Jack(s) requires 100-120 psi (100-150 psi for SJ8000) of air @ 20 CFM to run. 2. Locate and correct leakage. 3. Locate and correct restriction. 4. Remove and install a new filter. 5. Repair or replace air cylinder. 6. Repair or replace air cylinder.
Jack(s) runs but jack(s) will not raise after contacting load.	<ol style="list-style-type: none"> 1. Jack(s) loaded beyond capacity. 2. Cylinder leakage. 	<ol style="list-style-type: none"> 1. Use jack(s) only to rated capacity. 2. Have cylinder serviced by an authorized Rotary repair person.
Jack(s) drifts down - will not hold.	<ol style="list-style-type: none"> 1. Lock release mechanism damaged or parts missing. 2. External leakage. 3. Internal leakage. 4. Locks damaged. 	<ol style="list-style-type: none"> 1. Replace damaged or missing parts. 2. Locate leak and repair. 3. Have cylinder serviced by an authorized Rotary repair person. 4. Inspect locks for damage. Have jack serviced by an authorized Rotary repair person.
Jack(s) lowers slowly or not at all.	<ol style="list-style-type: none"> 1. Jack locking latch not released. 2. Release mechanism damaged or parts missing. 3. Return flow of air restricted or blocked. 	<ol style="list-style-type: none"> 1. Release locking latch. 2. Replace damaged or missing parts. 3. Eliminate blockage. <div style="border: 1px solid black; padding: 2px; display: inline-block;">⚠WARNING</div> If jack is in the raised position, be sure to activate the mechanical locking device prior to attempting to service the unit. Failure to do so may cause lift to drop out of control.
Jack rises sporadically.	<ol style="list-style-type: none"> 1. Water in cylinder. 	<ol style="list-style-type: none"> 1. Repair or replace air cylinder.
Jack will not return to home position after jack was operated in horizontal position.	<ol style="list-style-type: none"> 1. Jack was operated in (not recommended) horizontal position 	<ol style="list-style-type: none"> 1. Locate one person on each side of jack (2 people total). 2. Move jack forward or backwards on lift so that the outriggers are against jack stops. 3. One person should release the locking latch by actuating the release handle and push the yellow release button on the front of the jack. 4. The other person should push down on the support beam until jack is fully collapsed. (This could take some time until the air is completely exhausted).

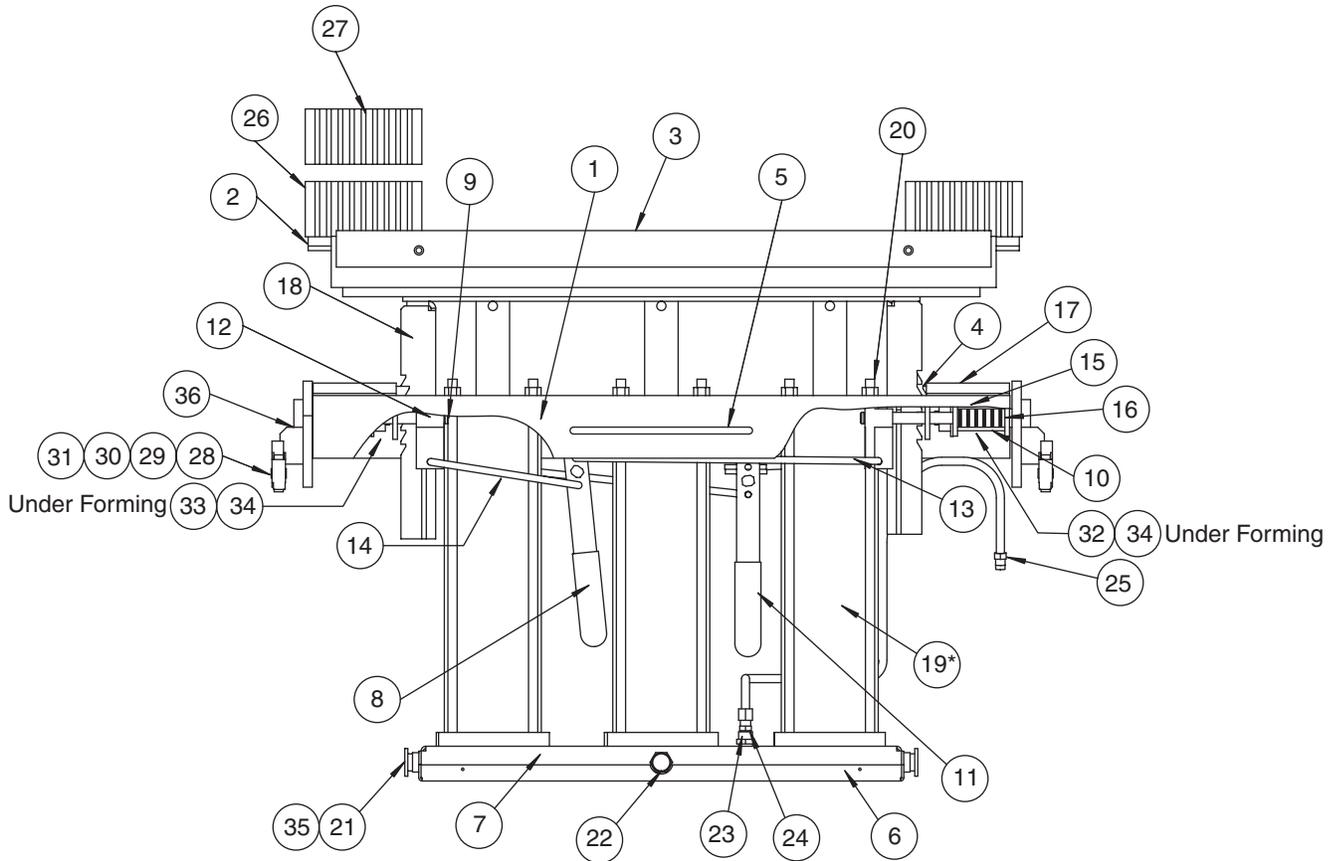
RJ4500 4500 lb CAPACITY



ITEM	PART NO.	DESCRIPTION	ITEM	PART NO.	DESCRIPTION
1	SJ110014	SUPPORT PAD ASSEMBLY	21	SJ130005	ROD AND NUTS
2	SJ110015	2 CYLINDER BRIDGE ASSEMBLY	22	SJ130036	BLACK RAISE BUTTON
3	SJ120006	RATCHET DOG	23	SJ130037	YELLOW RELEASE BUTTON
4	SJ120010	PIVOT HANDLE ASSEMBLY	24	SJ130040	1/4" Brass Bulkhead Fitting
5	SJ120030	PIVOT LOCK PIN	25	SJ130025	1/4" CHECK VALVE
6	SJ120031	SHORT LOCK PIN	26	SJ130042	1/4" AIR HOSE
7	SJ120047	CONTROL BOX FORMING	27	SJ130015	3" RUBBER LOAD PAD (DRILLED)
8	SJ120048	SUPPORT BEAM ASSEMBLY	28	FJ2428	3" RUBBER LOAD PAD
9	SJ120061	ROLLING HANDLE	29	SB700003	AXLE BEARING
10	SJ120068	RELEASE HANDLE ASSEMBLY	30	SB700004	WHEEL AXLE
11	SJ120069	LINK PULL BRACKET	31	SJ130019	WHEEL
12	SJ120073	LONG LINK ROD	32	SB700001	PLASTIC AXLE INSERT
13	SJ120074	SHORT LINK ROD	33	SJ130027	TORSION SPRING -RH
14	SJ120075	PAWL RETRACT PLATE	34	SJ130028	TORSION SPRING -LH
15	SJ120076	PAWL RETRACT PIN ASSEMBLY	35	SJ130026	RETRACTION SPRING
16	SJ120079	STORAGE RACK	36	SJ130024	AIR VALVE
17	SJ120082	CONTROL BOX COVER	37	SJ110013	OUTRIGGER ASSEMBLY
18	SJ120085	PAWL COVER			
19	SJ120087	SAFETY RATCHET			
20	SJ130004	CYLINDER ASSEMBLY*			

*SEAL KIT FOR ITEM 20 (CYLINDER ASSEMBLY) IS PART NO. SJ100001

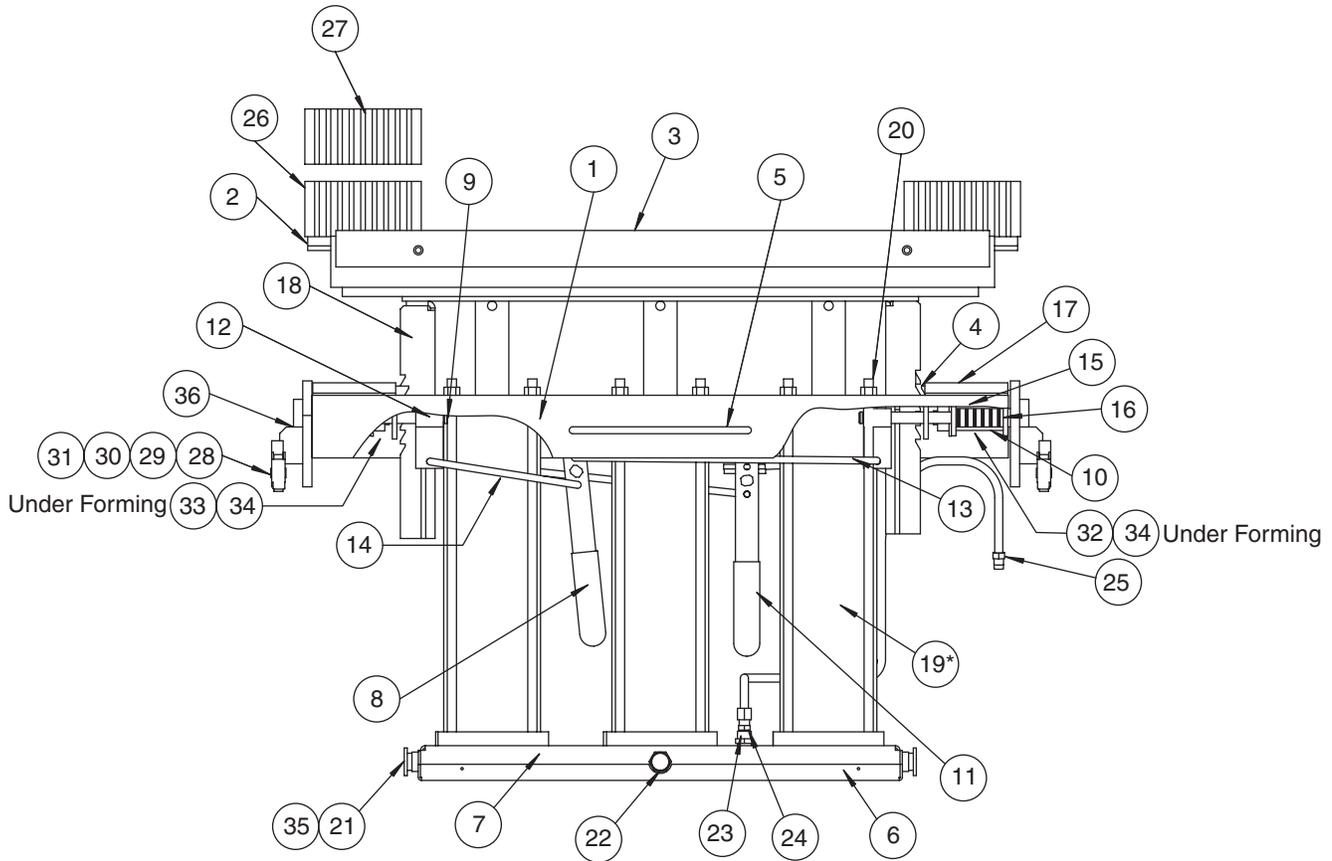
SJ6000 6000 lb CAPACITY



ITEM	PART NO.	DESCRIPTION	ITEM	PART NO.	DESCRIPTION
1	SJ110003	BRIDGE ASSEMBLY	21	SJ130036	BLACK RAISE BUTTON
2	SJ110005	SUPPORT PAD ASSEMBLY	22	SJ130037	YELLOW RAISE BUTTON
3	SJ120004	SUPPORT BEAM ASSEMBLY	23	SJ130040	1/4" BRASS BULKHEAD FITTING
4	SJ120006	RATCHET DOG	24	SJ130025	1/4" CHECK VALVE
5	SJ120007	ROLLING HANDLE	25	SJ130043	1/4" AIR HOSE
6	SJ120008	CONTROL BOX COVER	26	SJ130015	3" RUBBER LOAD PAD (DRILLED)
7	SJ120009	CONTROL BOX FORMING	27	FJ2428	3" RUBBER LOAD PAD
8	SJ120010	PIVOT HANDLE ASSEMBLY	28	SB700003	AXLE BEARING
9	SJ120030	PIVOT LOCK PIN	29	SB700004	WHEEL AXLE
10	SJ120031	SHORT LOCK PIN	30	SJ130019	WHEEL
11	SJ120068	RELEASE HANDLE ASSEMBLY	31	SB700001	PLASTIC AXLE INSERT
12	SJ120069	LINK PULL BRACKET	32	SJ130027	TORSION SPRING -RH
13	SJ120073	LONG LINK ROD	33	SJ130028	TORSION SPRING -LH
14	SJ120074	SHORT LINK ROD	34	SJ130026	RETRACTION SPRING
15	SJ120075	PAWL RETRACT PLATE	35	SJ130024	AIR VALVE
16	SJ120076	PAWL RETRACT PIN ASSEMBLY	36	SJ110006	OUTRIGGER ASSEMBLY
17	SJ120085	PAWL COVER			
18	SJ120087	SAFETY RATCHET			
19	SJ130004	CYLINDER ASSEMBLY*			
20	SJ130005	ROD & NUTS			

*SEAL KIT FOR ITEM 19 (CYLINDER ASSEMBLY) IS PART NO. SJ100002

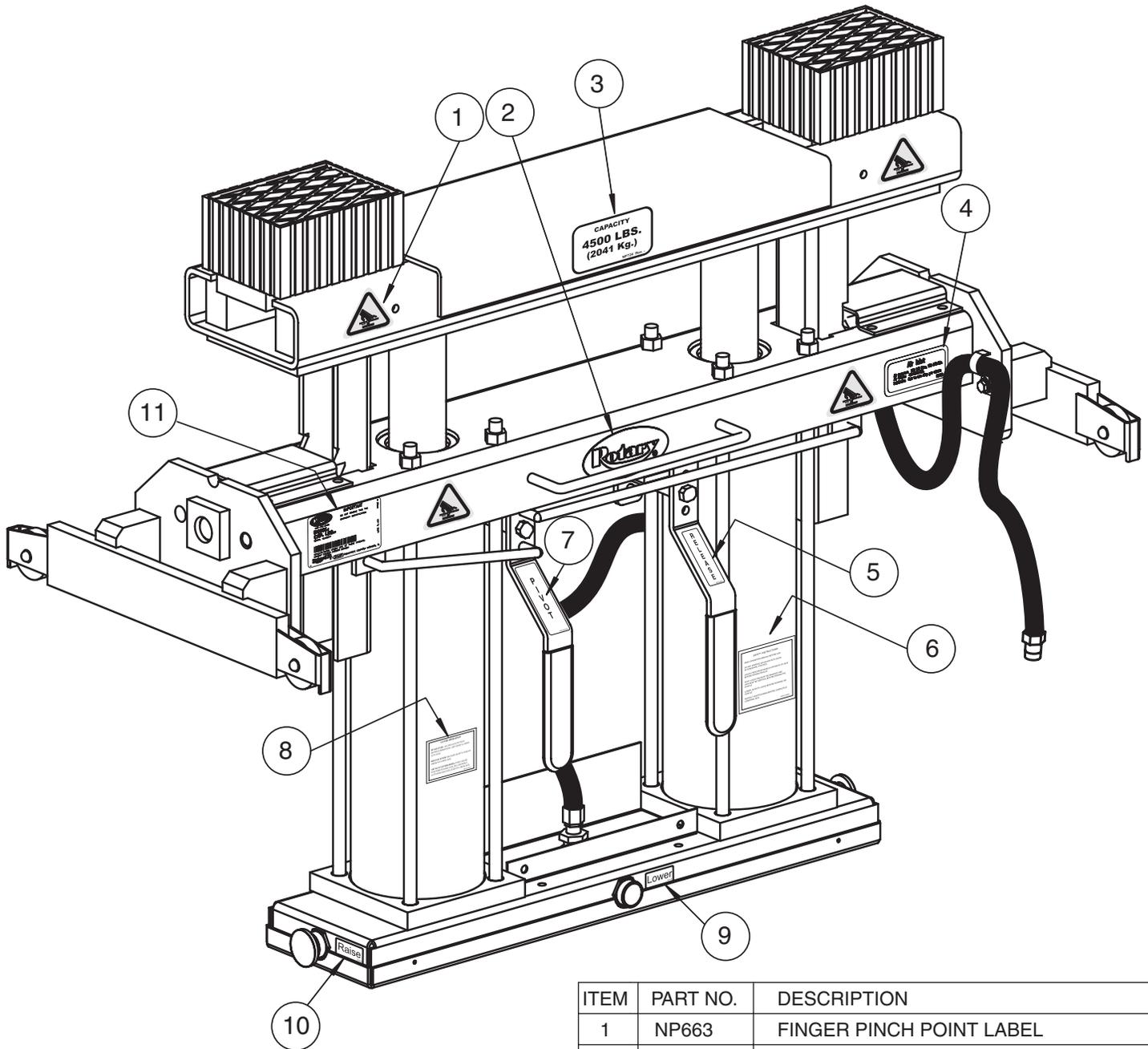
SJ8000 8000 lb CAPACITY



ITEM	PART NO.	DESCRIPTION	ITEM	PART NO.	DESCRIPTION
1	SJ110021	BRIDGE ASSEMBLY	21	SJ130036	BLACK RAISE BUTTON
2	SJ110022	SUPPORT PAD ASSEMBLY	22	SJ130037	YELLOW RAISE BUTTON
3	SJ120094	SUPPORT BEAM ASSEMBLY	23	SJ130040	1/4" BRASS BULKHEAD FITTING
4	SJ120006	RATCHET DOG	24	SJ130025	1/4" CHECK VALVE
5	SJ120007	ROLLING HANDLE	25	SJ130043	1/4" AIR HOSE
6	SJ120008	CONTROL BOX COVER	26	SJ130015	3" RUBBER LOAD PAD (DRILLED)
7	SJ120009	CONTROL BOX FORMING	27	FJ2428	3" RUBBER LOAD PAD
8	SJ120010	PIVOT HANDLE ASSEMBLY	28	SB700003	AXLE BEARING
9	SJ120030	PIVOT LOCK PIN	29	SB700004	WHEEL AXLE
10	SJ120031	SHORT LOCK PIN	30	SJ130019	WHEEL
11	SJ120068	RELEASE HANDLE ASSEMBLY	31	SB700001	PLASTIC AXLE INSERT
12	SJ120069	LINK PULL BRACKET	32	SJ130027	TORSION SPRING -RH
13	SJ120073	LONG LINK ROD	33	SJ130028	TORSION SPRING -LH
14	SJ120074	SHORT LINK ROD	34	SJ130026	RETRACTION SPRING
15	SJ120075	PAWL RETRACT PLATE	35	SJ130024	AIR VALVE
16	SJ120076	PAWL RETRACT PIN ASSEMBLY	36	SJ110017	OUTRIGGER ASSEMBLY
17	SJ120085	PAWL COVER			
18	SJ120098	SAFETY RATCHET			
19	SJ130004	CYLINDER ASSEMBLY*			
20	SJ130005	ROD & NUTS			

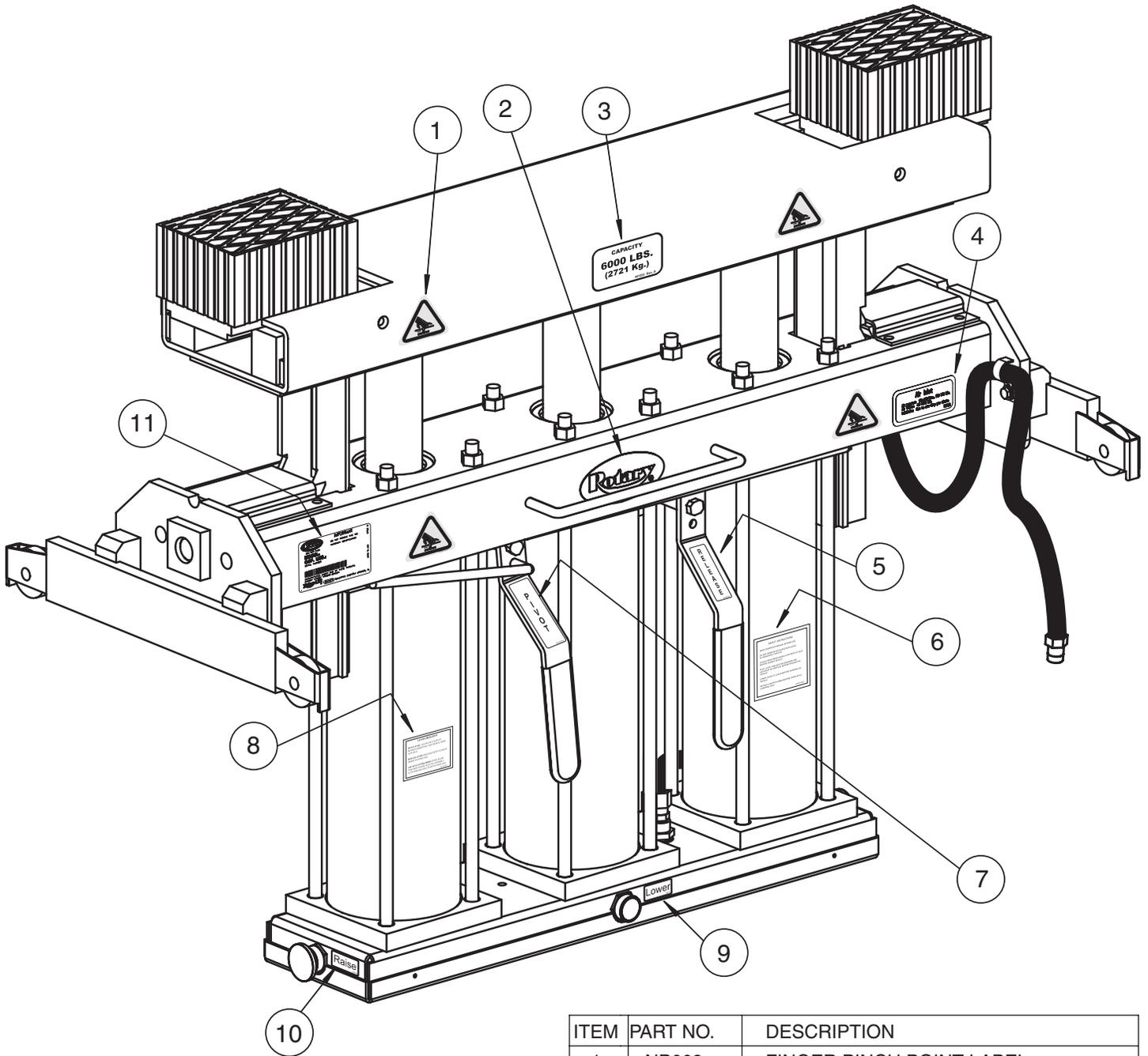
*SEAL KIT FOR ITEM 19 (CYLINDER ASSEMBLY) IS PART NO. SJ100002

SJ4500
4500 LB. CAPACITY
SAFETY/INFORMATION LABEL DETAIL



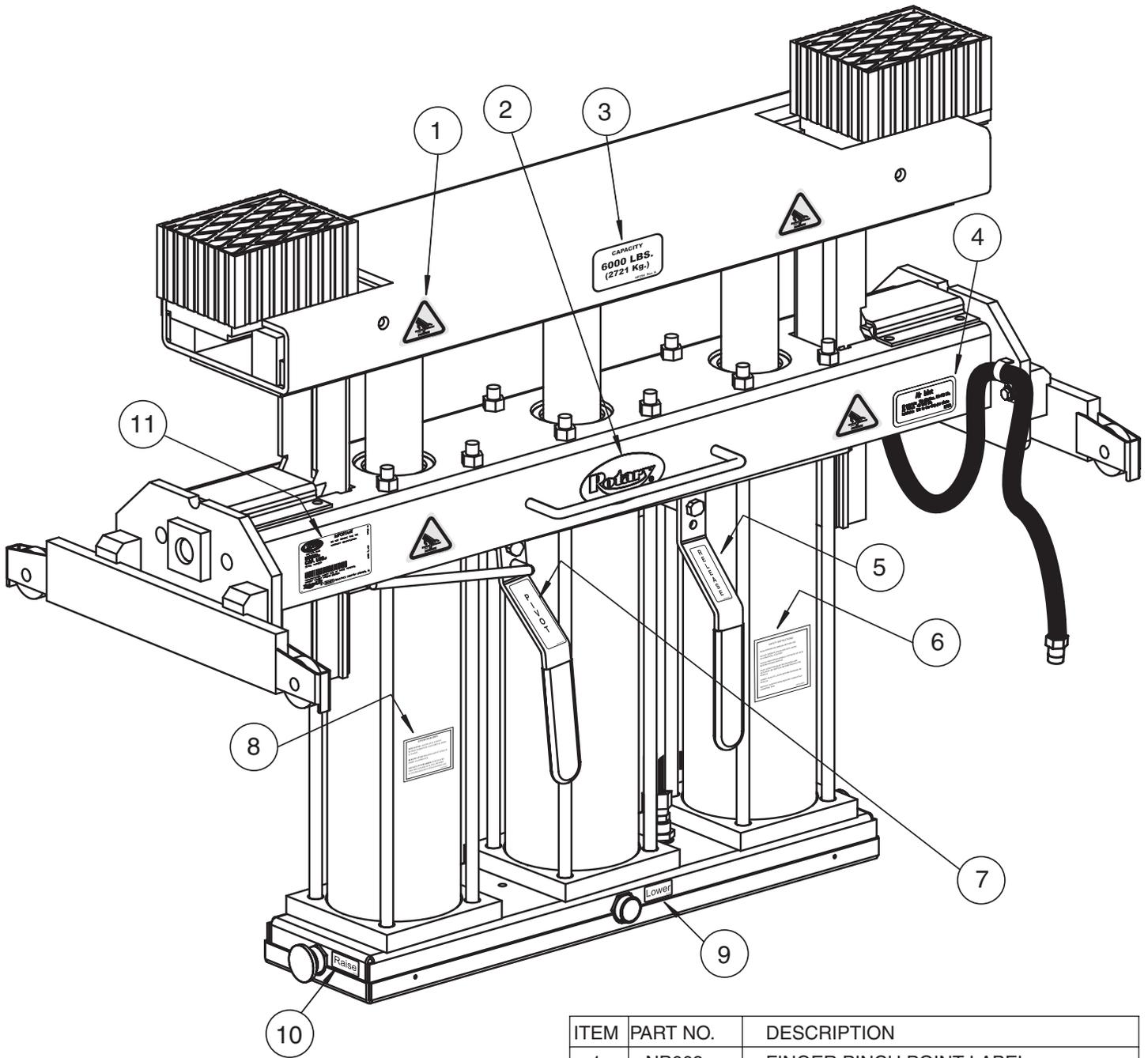
ITEM	PART NO.	DESCRIPTION
1	NP663	FINGER PINCH POINT LABEL
2	NP150	ROTARY DECAL
3	NP724	4500 lb / 2041 kg CAPACITY LABEL
4	NP516	AIR INLET NAMEPLATE
5	NP725	RELEASE LEVER NAMEPLATE
6	NP523	SAFETY INSTRUCTION NAMEPLATE
7	NP726	PIVOT LEVER NAMEPLATE
8	NP723	SAFETY INSTRUCTION NAMEPLATE
9	NP519	LOWER NAMEPLATE
10	NP518	RAISE NAMEPLATE
11	NP93	LIFT NAMEPLATE SERIAL NUMBER TAG

SJ6000
6000 LB. CAPACITY
SAFETY/INFORMATION LABEL DETAIL



ITEM	PART NO.	DESCRIPTION
1	NP663	FINGER PINCH POINT LABEL
2	NP150	ROTARY DECAL
3	NP254	6000 lb / 2721 kg CAPACITY LABEL
4	NP516	AIR INLET NAMEPLATE
5	NP725	RELEASE LEVER NAMEPLATE
6	NP523	SAFETY INSTRUCTION NAMEPLATE
7	NP726	PIVOT LEVER NAMEPLATE
8	NP723	SAFETY INSTRUCTION NAMEPLATE
9	NP519	LOWER NAMEPLATE
10	NP518	RAISE NAMEPLATE
11	NP93	LIFT NAMEPLATE SERIAL NUMBER TAG

SJ8000
8000 LB. CAPACITY
SAFETY/INFORMATION LABEL DETAIL



ITEM	PART NO.	DESCRIPTION
1	NP663	FINGER PINCH POINT LABEL
2	NP150	ROTARY DECAL
3	NP244	8000 lb CAPACITY LABEL
4	NP908	AIR INLET NAMEPLATE
5	NP725	RELEASE LEVER NAMEPLATE
6	NP523	SAFETY INSTRUCTION NAMEPLATE
7	NP726	PIVOT LEVER NAMEPLATE
8	NP723	SAFETY INSTRUCTION NAMEPLATE
9	NP519	LOWER NAMEPLATE
10	NP518	RAISE NAMEPLATE
11	NP93	LIFT NAMEPLATE SERIAL NUMBER TAG

Installer: Please return this booklet to literature package, and give to lift owner/operator.

Thank You

Trained Operators and Regular Maintenance Ensures Satisfactory Performance of Your Rotary Lift.

Contact Your Nearest Authorized Rotary Parts Distributor for Genuine Rotary Replacement Parts. See Literature Package for Parts Breakdown.

11/21/07	E	Added verbiage to troubleshooting section with regards to jack being used in a horizontal position. Reference revision letters C and D were skipped.
3/24/08	F	Added SJ8000 to literature.
8/1/08	G	Added swing air jack capacity verbiage.

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