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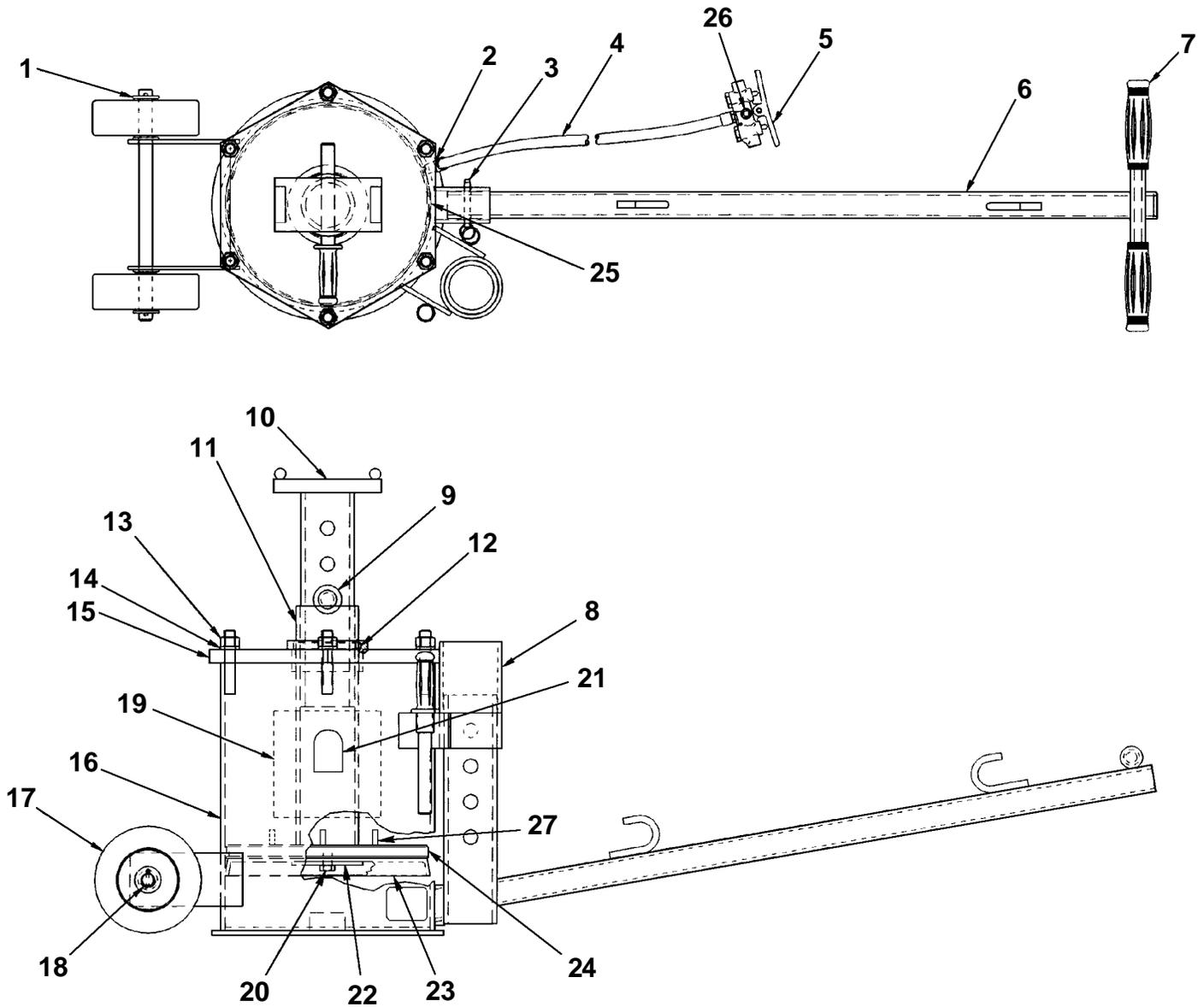
Form No. 102751

Parts List &  
Operating Instructions  
for:

1591A

# Portable Air Lift Jack/Support Stand

Max. Capacity: 10 Tons at 200 PSI



Sheet No. 1 of 2

Issue Date: Rev. C 8-16-02

Item No.	Part No.	No. Req'd	Description
1	12330	4	Washer <i>(for 3/4" bolt)</i>
2	10645	1	45° Fitting
3	18658	1	Cotterless Hitch Pin
4	217354	1	Hydraulic Hose
5	217335	1	Air Valve
6	48351	1	Assembly Handle
7	18267	2	Handle Grip
8	48354	1	Extension Tube
9	313881	2	Pin
10	48349	1	Saddle Tube
11	440223	1	Piston Assembly
12	515360	1	Wear Ring
13	10214	6	Hex Nut <i>(5/8-11; torque to 80-110 ft. lbs.)</i>
14	10251	6	Lock Washer <i>(for 5/8" bolt)</i>
15	54425	1	Cover Plate
16	62283	1	Body Weldment
17	12119-1	2	Wheel <i>(6" dia.)</i>
18	217176	2	Cotter Pin
19	313964	1	Part Number Decal
20	10080	1	Hex Hd. Cap Screw <i>(1/2-13 x 1-1/4" lg.)</i>
21	216703	1	Made in USA Decal
22	217172	1	Washer
23	217164	1	U-cup Seal
24	217175	3 ft.	Bearing Strip
25	310491	1	Warning Decal
26	19523	1	Plug
27	222206	4	Pin

Shaded areas reflect the last revisions made to this form.

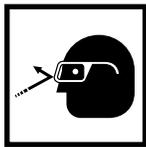
Refer to any operating instructions included with the product for detailed information about operation, testing, disassembly, reassembly, and preventive maintenance.

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

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

## Safety Precautions

**⚠ Caution:** Failure to heed the following warnings can result in loss of load, damage to equipment, and/or failure resulting in personal injury or property damage:



- Read and understand the safety precautions and operating instructions before using the air lift jack. If the operator cannot read English, operating instructions and safety precautions must be read and discussed in the operator's native language.

*Si el operador no puede leer el inglés, las instrucciones de operación y las precauciones de seguridad deberán leerse y comentarse en el idioma nativo del operador.*



- Wear eye protection that meets ANSI Z87.1 and OSHA standards.
- Do not modify the air lift jack or use attachments unless approved or supplied by OTC.

*Si l'utilisateur ne peut lire l'anglais, les instructions et les consignes de sécurité doivent lui être expliquées dans sa langue maternelle.*

- A load must never exceed the maximum capacity of the jack.
- Before lifting a vehicle, release the parking brake, place the gear selector in neutral, and chock the wheels at the opposite end.
- Use the jack on a hard, level surface.
- Stay clear of a raised load.
- Release pressure **SLOWLY**.

## Operating Instructions

1. Before lifting a vehicle, release the parking brake, place the gear selector in neutral, and chock the wheels at the opposite end.
2. Position the air lift jack under the vehicle frame.
3. Raise lifting saddle and insert pin into hole that retains saddle closest to lifting point.
4. Set shop air pressure at 200 psi or less. Connect a shop air hose to the fitting on the jack's control valve.
5. Using the control valve lever, apply shop air until the jack saddle meets the load to be raised. Lifting saddle must cradle the lifting point by nesting around the frame, bumper, or bed. See Figure 1.
6. Continue applying shop air to raise the load to desired height. Then insert second pin into hole on piston tube and **SLOWLY** release pressure until load comes to rest on pin.
7. To lower load, raise load until pin in piston tube can be removed. Then **SLOWLY** lower load until lifting saddle is clear of load and remove pin in lifting saddle.

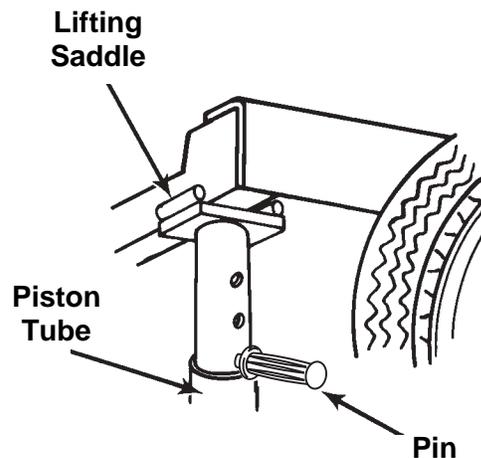


Figure 1

## Maintenance

**IMPORTANT:** Water entering the jack from the air supply or through the top cover plate can collect in the bottom of the cylinder, and result in rust buildup on the cylinder wall. Drain water out of the jack on a regular basis by removing the 45° elbow fitting at the base of the cylinder, and tilting the jack until all the water is removed.

1. Lubricate the wheel shafts and center tube as needed with a high quality grease.
2. Inspect the air lift jack before each use. Keep the control valve and fittings clean. Keep the surface of the lifting saddle clean to ensure sufficient grip during a lift.
3. Periodically check the inlet air filter for debris. Clean or replace the filter when necessary.

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