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Form No. 524456

**Parts List &  
 Operating Instructions**  
 for:

**1580**

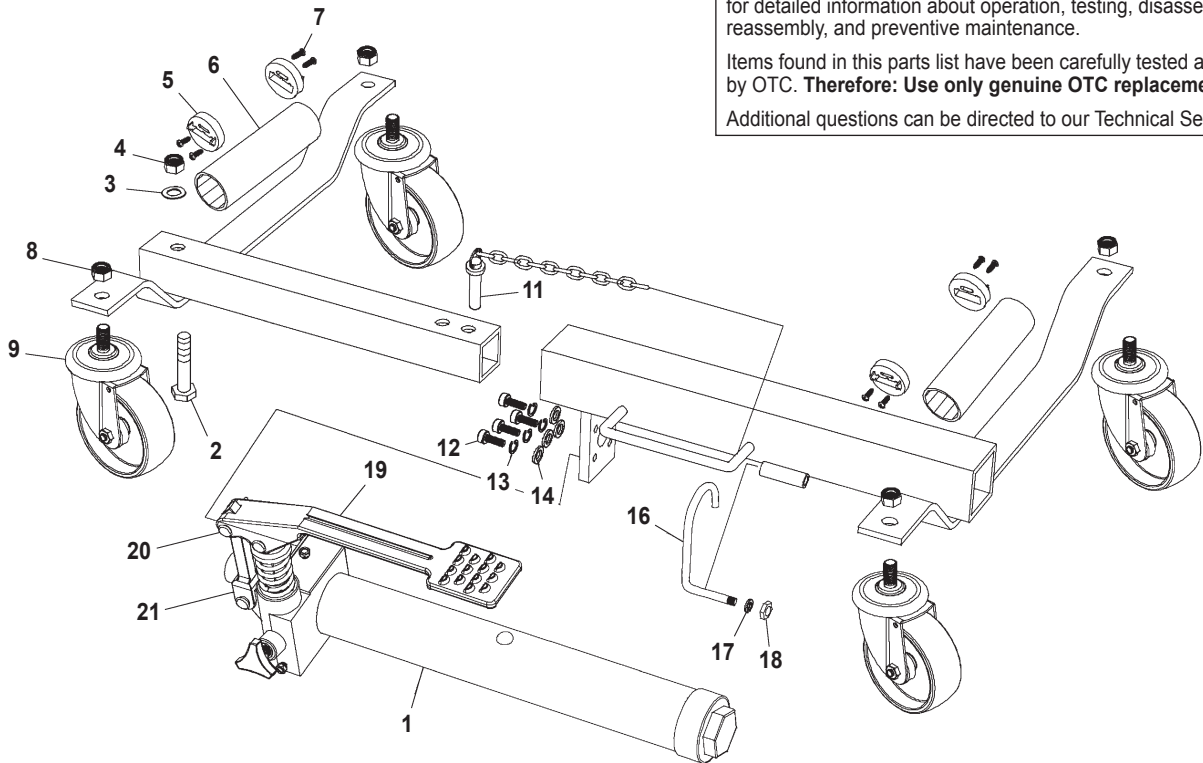
**Easy Roller™  
 Car Positioning Unit**

Max. Capacity: 1,500 lbs. (680 kg)

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.



**Parts List**

Item No.	Qty.	Description
1	1	Ram Assembly
2	1	Bolt
3	1	Flat Washer
4	1	Locknut
5	4	Roller Raceway
6	2	Roller
7	8	Raceway Lock Screw

Item No.	Qty.	Description
8	4	Locknut (M12)
9	4	Swivel Caster (4 inch)
11	1	Lock Pin w/ chain
12	4	Screw (M6 x 20)
13	4	Lockwasher
14	4	Flat Washer
16	1	Hook

Item No.	Qty.	Description
17	1	Washer
18	1	Nut
19	1	Foot Pedal
20	3	Pin w/ hairpin
21	1	Connecting Rod

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Issue Date: Rev. E, January 28, 2015

## Replacement Kits

### Caster Kit No. 525090

Item No.	Qty.	Description
8	1	Lock Nut (M12)
9	1	Swivel Caster (4 inch)

### Foot Pedal Kit No. 525097

Item No.	Qty.	Description
19	1	Foot Pedal
20	3	Pedal Pin
21	1	Connecting Rod

### Hardware Kit No. 525093

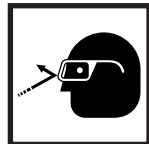
Item No.	Qty.	Description
2	1	Bolt
3	1	Flat Washer
4	1	Locknut
5	4	Roller Raceway
6	2	Roller
7	8	Raceway Lock
8	4	Locknut (M12)
11	1	Lock Pin w/ chain
12	4	Screw (M6 x 20)
13	4	Lockwasher
14	4	Flat Washer
16	1	Hook
17	1	Washer
18	1	Nut

### Pump Assembly Kit No. 525091

Item No.	Qty.	Description
1	1	Ram Assembly
12	4	Screw (M6 x 20)
13	4	Lockwasher
14	4	Flat Washer

## Safety Precautions

- ⚠ WARNING:** To prevent personal injury and/or damage to equipment,
- Read, understand, and follow all instructions and safety precautions.
  - Wear eye protection that meets ANSI Z87.1 and OSHA standards.
  - Never exceed the rated lifting capacity of the jack.
  - Use the jack on a smooth, level surface. Do NOT operate the jack on inclines.
  - Do NOT use the jack with tires that are wider than 9 inches.
  - Do NOT start the vehicle's engine or drive the vehicle with the jack in use. The jack is designed only for manual maneuvering of a vehicle.
  - The higher a vehicle is lifted, the more unstable it becomes; therefore, use the lowest possible lock pin position.



## Operating Instructions

1. Hold the foot pedal, and carefully remove the foot pedal hook. (The foot pedal is spring loaded and will fly up when the hook is released.)
2. Remove the lock pin from the frame.
3. Open the release valve by turning the release knob counterclockwise (CCW).
4. Expand the jack by pulling the rollers apart. The jack should be wide enough to easily straddle the tire.
5. Position the jack so both rollers contact the tire tread. Verify there is at least 3/4" clearance between the tire and the axle of the jack, so the tire will put pressure on the rollers, not the jack frame, when raised.
6. Close the release valve by turning the release knob clockwise (CW) to a snug-tight position.
7. Operate the foot pedal to lift the tire.
8. When the lift is complete, place the lock pin in the hole nearest the extension rod.
9. To lower the jack, remove the lock pin and SLOWLY open the release valve counterclockwise (CCW).

## Air Bleed Instructions

Air may become trapped in the hydraulic system during shipment or storage. Air in the hydraulic system may cause the foot pedal action to feel "spongy" or make the jack be unable to lift a load. To bleed air from the system:

1. Open the release valve by turning the release knob counterclockwise (CCW).
2. Pull the rollers apart to the fully open position.
3. Pump the foot pedal at least five full strokes.

**Preventive Maintenance**

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 being 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. Lubricate the sliding area of the square tubing monthly.
3. Replace the oil in the reservoir at least once per year. To check the oil, place the jack on level ground and expand the jack by pulling the rollers apart. Remove the oil plug. The oil level should be at the bottom of the filler plug hole. Add approved anti-wear hydraulic jack oil, and install the oil 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. **CAUTION: To prevent personal injury, perform inspection, maintenance, and repair procedures when the jack is free of a load (not in use).**

Trouble	Cause	Solution
<b>Jack does not lift</b>	<ol style="list-style-type: none"> <li>1. Release valve is open.</li> <li>2. Low/no oil in reservoir.</li> <li>3. Air-locked system.</li> <li>4. Load is above capacity of jack.</li> <li>5. Delivery valve and/or bypass valve not working correctly.</li> <li>6. Packing worn out or defective.</li> </ol>	<ol style="list-style-type: none"> <li>1. Close release valve.</li> <li>2. Fill with oil and bleed system.</li> <li>3. Bleed system.</li> <li>4. Use correct equipment.</li> <li>5. Clean to remove dirt or foreign matter. Replace oil.</li> <li>6. Replace hydraulic unit.</li> </ol>
<b>Jack lifts only partially</b>	<ol style="list-style-type: none"> <li>1. Too much or not enough oil.</li> </ol>	<ol style="list-style-type: none"> <li>1. Check oil level.</li> </ol>
<b>Jack advances slowly</b>	<ol style="list-style-type: none"> <li>1. Pump not working correctly.</li> <li>2. Leaking seals.</li> </ol>	<ol style="list-style-type: none"> <li>1. Replace hydraulic unit.</li> <li>2. Replace hydraulic unit.</li> </ol>
<b>Jack lifts load, but doesn't hold</b>	<ol style="list-style-type: none"> <li>1. Cylinder packing is leaking.</li> <li>2. Valve not working correctly (suction, delivery, release, or bypass).</li> <li>3. Air-locked system.</li> </ol>	<ol style="list-style-type: none"> <li>1. Replace hydraulic unit.</li> <li>2. Inspect valves. Clean and repair seat surfaces.</li> <li>3. Bleed system.</li> </ol>
<b>Jack leaks oil</b>	<ol style="list-style-type: none"> <li>1. Worn or damaged seals.</li> </ol>	<ol style="list-style-type: none"> <li>1. Replace hydraulic unit.</li> </ol>
<b>Jack will not retract</b>	<ol style="list-style-type: none"> <li>1. Release valve is closed.</li> </ol>	<ol style="list-style-type: none"> <li>1. Open or clean release valve.</li> </ol>
<b>Jack retracts slowly</b>	<ol style="list-style-type: none"> <li>1. Cylinder damaged internally.</li> <li>2. Link section is binding.</li> </ol>	<ol style="list-style-type: none"> <li>1. Replace hydraulic unit.</li> <li>2. Lubricate link section.</li> </ol>

