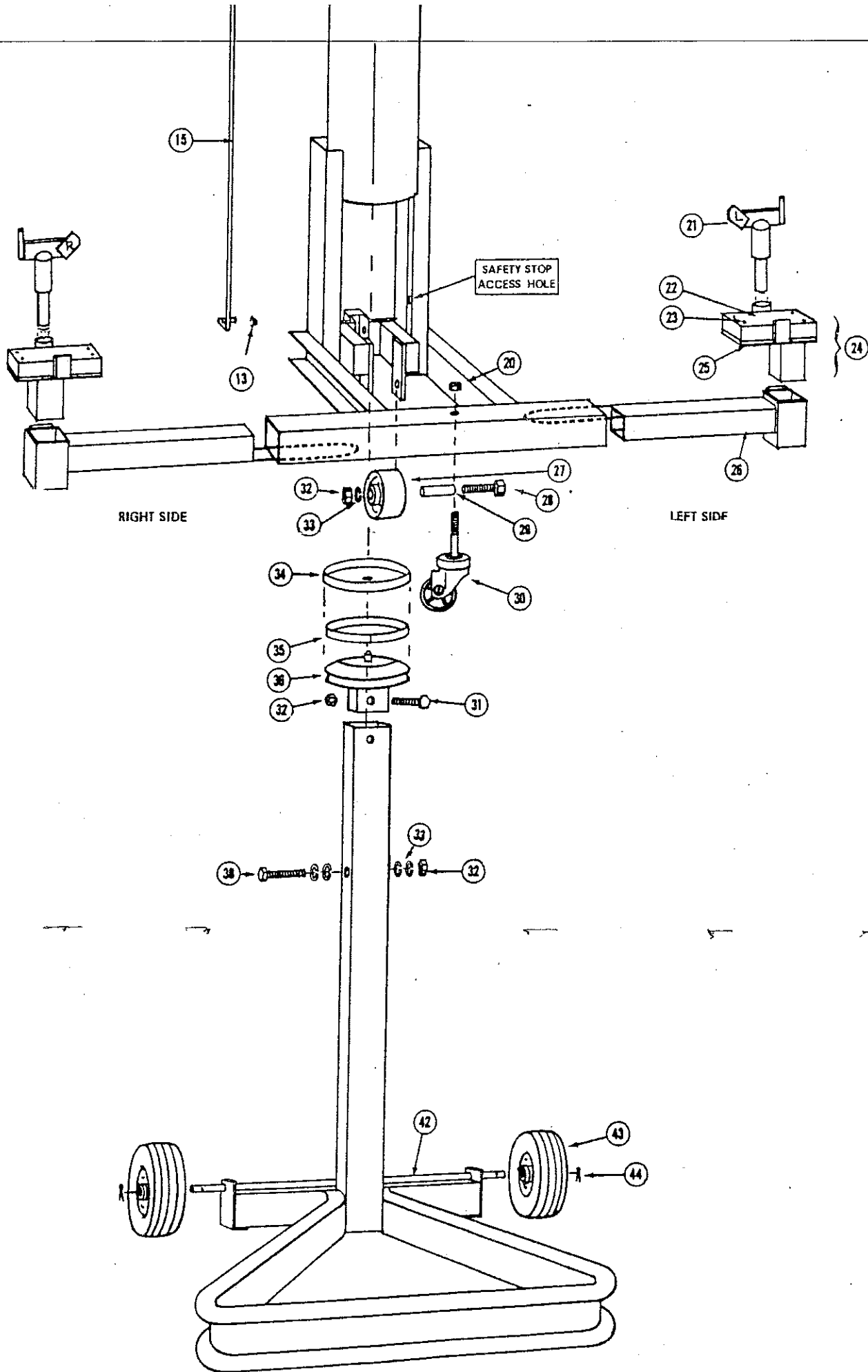


PARTS LIST **GRAY BF-100® PortaMatic** 4,000 lb. Capacity

Serial Number
56328 up to 111999



Serial Number
56328 up to 111999

PARTS LIST
GRAY BF-100® PortaMatic
4,000 lb. Capacity

- | | | | | | |
|-----|----------------------------|------------------------------------------------------------------------------|-----|--------------------------------------------------|----------------------------------------------------|
| 1. | 0-203-01200 | 3/8"/16 Med Hex Nut Z.P. | 25. | 0-203-01000 | 1/4" Hex Pad Nut |
| 2. | 0-204-11201 | 3/8" Med. S/T Lock Washer Z.P. | 26. | 3-800-02004
3-800-02003 | L.H. Arm Assbly.
R.H. Arm Assbly. |
| 4. | 0-275-11001 | 1/4" 90 Blk. Mall. St. Ell. | | OBSOLETE | |
| 5. | 1-275-01021 | 1/4"x13 7/8" Valve Ext Pipe Nipple | 27. | 1-480-00005 | Cast Wheel 4"x2" |
| 7. | 1-232-20114 | 7/8"x5" Flexon Handle Grip | 28. | 1-202-01401 | Cast Wheel Bolt 1/2" (13"x3 3/4" Hex Cap Screw) |
| 10. | 3-803-02003 | Valve Cover/Long | 29. | 1-441-01001 | Spanner Bushing 1/2"x3/4"x2 3/8" |
| 12. | 1-312-01006 | 2-Way Control Valve | 30. | 1-480-11002 | 3" Swivel Caster |
| 13. | 0-203-51200 | 3/8" Push Nut | | 8835-01003 | |
| 14. | 3-800-04001 | Safety Catch Hinge | 31. | 0-200-31416 | Piston Bolt 1/2" 13"x3 1/2" Hex Cap Screw |
| 15. | 3-800-04026 | Safety Catch Rod | 32. | 0-203-01400 | 1/2" Hex Nut N.C. |
| 20. | (no number) | Swivel Caster Stem Nut | 33. | 0-204-11400 | 1/2" S/T Lock Washer |
| 21. | 3-480-50009
3-480-50008 | Yoke, L.H. (Specify)
Yoke, R.H. | 34. | 1-391-03000 | 6" Cylinder Cup 6"x3/4"x7/16" |
| 22. | 4-480-50003 | 1"x6"x6" Rubber Pad
OBSOLETE | 35. | 2-390-13000 | Wiper Ring (Polyethelene) |
| 23. | 0-201-21001 | 1/4"x1 1/4" F.S. Pad Bolt | | * 8800-01014 | Seal Kit |
| 24. | 2-480-50005
2-480-50004 | L.H. Rubber Saddle Assbly. (Specify)
R.H. Rubber Saddle Assbly. (Specify) | 36. | 3-310-43000 | Piston/Alum, Die Cast |
| | | | | OBSOLETE | |
| | | | 38. | 0-200-31418 | Safety Stop Bolt, 1/2" (13"x4" H.T. Hex Cap Screw) |
| | | | 42. | 2-470-12001 | Axle (5/8" C.R. 26 5/8" Long) |
| | | | | OBSOLETE | |
| | | | 43. | 2-480-02006 | Main Wheel 5/8" bore (8x2.50) |
| | | | 44. | 0-235-00003 | 1/8"x1 1/4" Cotter Pin |

wheel 3/4" bore 480-02007



Professional Service Equipment

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INSTRUCTIONS

FOR CLEANING OR REPLACEMENT OF THE AIR
CYLINDER SEAL AND THE LUBRICATION OF THE
AIR CYLINDER
BF-100 PORTA-MATIC LIFT

MATERIALS REQUIRED

1. Soft, clean cloths (lint-free).
2. Solvent (non-flammable).
3. Lightweight, automotive chassis lubricating grease like Standard Oil Company Amolth No. 1, Graphite Grease No. 1, or equivalent.
4. Small tube of Graphite.
5. $\frac{3}{4}$ " wrenches for bolts.

DISASSEMBLY

1. Raise the lift to full height and tilt forward over workable or large box.
2. Exhaust air pressure from cylinder.
3. Remove the safety stop bolt/or bolts from the center column (located about half way between top and bottom of base). This bolt/or bolts must be removed through the access hole in the channel on the left side of the lift.
4. Remove piston retaining bolt from center column.
5. Now remove the base from the lift, leaving the piston assembly in the bottom of the air cylinder.
6. Remove the piston assembly from the cylinder.

CLEANING

1. Wipe the inside of the cylinder with a cloth to remove excess grease.
2. Degrease the inside of the cylinder with solvent. CAUTION: Observe usual precautions for handling solvents.
3. Wipe the inside of the cylinder with clean, lint-free cloth to remove dirt or grit.
4. Disassemble piston assembly, noting the position of each part.
5. Degrease piston, rubber cup and wiper ring with solvent.

ASSEMBLY & LUBRICATION

1. Coat the inside of the cylinder with a thin film of grease by applying it with a small towel.
2. Snip off $\frac{1}{8}$ " of the end of the graphite tube.
3. Apply about one-half of the graphite on the rag used to apply grease and then rub this graphite on the inside wall of the tube (particularly on the back side).
4. Reassemble rubber cup, piston and wiper ring and apply a thin coat of grease on the outside of wiper ring and around the total surface of the cup.
5. Now puff the remainder of the graphite in the tube around the wiper ring on the piston.

6. Install piston assembly into the cylinder by hand, being careful not to damage the sealing lip of the cup when you insert it into the cylinder. Make sure that the split in the wiper ring is toward the front of the jack.
7. Insert the base and install the piston-mounting bolt (short bolt) from the front of the lift (no lock washers are used on this bolt and the nut should be tightened from the back).
8. Now install the safety stop bolt/or bolts (long bolt) from the left side through the safety stop access hole. Be sure to put two lock washers on each side of the center column. Then replace the nut/or nuts tightly.
9. CAUTION: Oil should not be added to the air cylinder at any time!

PISTON ASSEMBLY - Serial No. 59000 and Above

1. Apply thin film of grease to stud of piston and snap on rubber cup. (Sealing lip of cup must be up.)
2. Apply thin film of grease to the outer lip of the rubber cup.
3. Install wiper ring on piston with sharp edge down and split toward front of jack.

