TO PREVENT SERIOUS INJURY, READ AND UNDERSTAND ALL WARNINGS AND INSTRUCTIONS BEFORE USE.

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For technical questions, please call 1-800-444-3353.
# PRODUCT SPECIFICATIONS

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product Applications</td>
<td>Will handle all tires from 8” to light trucks such as 7.5” x 16” and flotation tires up to sizes 12.5”L x 16”.</td>
</tr>
<tr>
<td>Base Dimensions</td>
<td>15” x 18”</td>
</tr>
<tr>
<td>Base Mounting Holes</td>
<td>7/16” Diameter (Qty. 4)</td>
</tr>
<tr>
<td>Mounting/Dismounting Bar</td>
<td>37” Long x 1-15/16” Diameter</td>
</tr>
<tr>
<td>Dimensions</td>
<td></td>
</tr>
<tr>
<td>Wheel Rest Plate Dimensions</td>
<td>7-1/2” Diameter x 3/16” Thick</td>
</tr>
<tr>
<td>Leg Dimensions</td>
<td>1-1/2” x 3” x .15 (Wall Channel)</td>
</tr>
<tr>
<td>Main Column Dimensions</td>
<td>2-7/8” Diameter</td>
</tr>
<tr>
<td>Construction</td>
<td>All Steel</td>
</tr>
<tr>
<td>Additional Features</td>
<td>No Air or Electrical Connections Required. Designed to Protect Tube From Damage.</td>
</tr>
<tr>
<td>Approximate Weight</td>
<td>42 Pounds</td>
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# GENERAL SAFETY RULES AND PRECAUTIONS

> **WARNING!**

READ AND UNDERSTAND ALL INSTRUCTIONS
Failure to follow all instructions listed below may result in serious injury.
SAVE THESE INSTRUCTIONS

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### WORK AREA

1. **Keep your work area clean and well lit.** Cluttered benches and dark areas invite accidents.

2. **Do not operate tools and equipment in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.** Tools and equipment can create sparks which may ignite the dust or fumes.

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3. **Keep bystanders, children, and visitors away while operating tools and equipment.** Distractions can cause you to lose control. Provide barriers or shields as needed.

### PERSONAL SAFETY

1. **Stay alert.** Watch what you are doing, and use common sense when operating tools and equipment. Do not use a tool or equipment while tired or under the influence of drugs, alcohol, or medication. A moment of inattention while operating tools and equipment may result in serious personal injury.

2. **Dress properly.** Do not wear loose clothing or jewelry. Contain long hair. Keep your hair, clothing, and gloves away from moving parts. Loose clothes, jewelry, or long hair can be caught in moving parts.

3. **Do not overreach.** Keep proper footing and balance at all times. Proper footing and balance enables better control of the power tool in unexpected situations.

4. **Use safety equipment.** Always wear eye protection. Always wear ANSI-approved safety impact goggles and a full face shield when using and/or installing this product.

### TOOL USE AND CARE

1. **Do not force the tool. Use the correct tool for your application.** The correct tool will do the job better and safer at the rate for which it is designed.

2. **Store idle tools out of reach of children and other untrained persons.** Tools are dangerous in the hands of untrained users.

3. **Maintain tools with care.** Properly maintained tools are less likely to malfunction and are easier to control. Do not use a damaged tool. Tag damaged tools “Do Not Use” until repaired.

4. **Check for misalignment or binding of moving parts, breakage of parts, and any other condition that may affect the tool’s operation.** If damaged, have the tool serviced before using. Many accidents are caused by poorly maintained tools.

5. **Use only accessories that are recommended by the manufacturer for your model.** Accessories that may be suitable for one tool may become hazardous when used on another tool.
**SERVICE**

1. **Tool service must be performed only by qualified repair personnel.** Service or maintenance performed by unqualified personnel could result in a risk of injury.

2. **When servicing a tool, use only identical replacement parts.** Follow instructions in the “Inspection, Maintenance, And Cleaning” section of this manual. Use of unauthorized parts or failure to follow maintenance instructions may create a risk of electric shock or injury.

**SPECIFIC SAFETY RULES AND PRECAUTIONS**

1. **Maintain labels and nameplates on the Tire Changer.** These carry important information. If unreadable or missing, contact Harbor Freight Tools for a replacement.

2. **Make sure the Tire Changer is located on a flat, level, sturdy surface capable of supporting the weight of the Tire Changer, tires, and any additional tools and equipment.**

3. **Industrial applications must follow OSHA guidelines.**

4. **Never stand on the Tire Changer.** Serious injury could result if the Tire Changer is tipped.

5. **Do not allow children and other unauthorized people to handle or play with the Tire Changer.**

6. **Do not force the Tire Changer.** This tool will do the work better and safer at the speed and capacity for which it was designed.

7. **Prior to using the Tire Changer, always read and follow the instructions and safety precautions as outlined in the tire manufacturer and vehicle manufacturer’s owners manuals.**

8. **Never leave a vehicle running when changing/repairing tires.** When running an Engine in an enclosed area, the Engine produces carbon monoxide, a colorless, odorless, toxic gas that, when inhaled, can cause serious personal injury or death. Whenever possible, use a carbon monoxide detector (not included) to detect excessive carbon monoxide fumes in the work area and in the surrounding area.

9. **Do not use this product if under the influence of alcohol or drugs.** Read warning labels on prescriptions to determine if your judgement or reflexes are
10. **Use the right tool for the job.** Do not attempt to force a small tool to do the work of a larger industrial tool. There are certain applications for which this product was designed. It will do the job better and more safely at the rate for which it was intended. Do not modify this product, and do not use this product for a purpose for which it was not intended.

11. **EXPLOSION DANGER!** Never overinflate tires or other inflatable items. When inflating a tire with compressed air, make sure to inflate the tire to the exact PSI as recommended by the tire manufacturer. Always use a pressure gauge (not included) to check the actual pressure in tires.

12. Always dispose of old tires in accordance with local, state, and federal laws.

13. **WARNING!** The warnings and precautions discussed in this manual cannot cover all possible conditions and situations that may occur. It must be understood by the operator that common sense and caution are factors which cannot be built into this product, but must be supplied by the operator.

**SAVE THESE INSTRUCTIONS**

**UNPACKING**

When unpacking, check to make sure all the parts shown on the Parts Lists on page 10 are included. If any parts are missing or broken, please call Harbor Freight Tools at the number shown on the cover of this manual as soon as possible.

**ASSEMBLY INSTRUCTIONS**

1. Locate the Hex Bolts (6), Lock Washers (11), Hex Head Nuts (12), Center Post (1), and the Pedestal Base (13). *(See Assy. Diagram.)*

2. Bolt the Pedestal Base (13) to the Center Post (1), using the Hex Bolts (6), Lock Washers (11), and Hex Head Nuts (12). **NOTE:** The end of the Pedestal Base with the triangular stop should be directly in front of the Bead Breaker Handle (7) and Bead Breaker Shoe (10). *(See Assy. Diagram.)*

3. Bolt the two Side Base Channels (9) into place. *(See Assy. Diagram.)*
SECURING THE TIRE CHANGER TO A FLOOR SURFACE

1. Choose a **concrete** floor surface location for the Tire Changer that is well lighted, offers adequate workspace, and is away from high pedestrian traffic areas.

2. The concrete floor surface should be at least 4” in depth. *(See Figure A.)*

3. With assistance, move the Tire Changer to the location. Use the Tire Changer’s four 7/16” mounting holes at its base as a template for which four 7/16” holes will be drilled in the concrete surface. **Do not use a concrete drill bit larger in diameter than 7/16”**. *(See Figure A.)*

4. Temporarily set the Tire Changer aside. Then drill four holes in the concrete floor surface equal to the **length** of four 7/16” diameter cement anchors (not included) you will use to secure the Tire Changer to the floor surface. *(See Figure A.)*

5. Once the four 7/16” diameter holes are drilled, blow out the concrete dust from each of the holes. *(See Figure A.)*

6. Set the Tire Changer back on the concrete floor surface, and align its four mounting holes at its base with the four pre-drilled holes in the floor surface.

7. If necessary, level the Tire Changer on the concrete floor surface using a carpenter’s level and steel shims (neither included).

8. Use a hammer (not included) to tap the four cement anchors through the four mounting holes in the base of the Tire Changer and into the concrete floor surface. Continue tapping the cement anchors until their washer rests against the base of the Tire Changer. *(See Figure A.)*

9. Firmly tighten the nuts of the four cement anchors to secure the Tire Changer to the concrete floor surface. *(See Figure A.)*

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**FIGURE A**

- Drill holes to depth equal to length of cement anchor.
- Insert cement anchor so that washer rests against base of tire changer.
- Firmly tighten cement anchor nut.

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OPERATING INSTRUCTIONS

Bead Breaking:

1. Before starting, use a rubber lubricant (not included) to help make bead breaking, mounting, and demounting easier.

2. Deflate the tire completely.

3. To break the bead from the rim of the tire, lay the tire flat on the Pedestal Base (13). The triangular stop is used to keep the tire from sliding.

4. Insert the flat end of the Mount/Demount Bar (14) into the Bead Breaker Handle (7).

5. Set the Bead Breaker Shoe (10) on the tire against the edge of the rim. As you work, you may need to adjust the Bead Breaker Shoe height by removing the Clevis Pegs (5) and moving the Shoe to the appropriate height. Then, reinsert the Clevis Pegs.

6. Push down on the Mount/Demount Bar (14) to force the bead off the rim. If the bead does not come off all at once, turn the tire and try again in several locations.

7. Turn the tire over, and repeat Steps #1 through #6 above.

Demounting And Mounting Tires:

1. After the bead is broken, place the tire up on the machine with the valve stem facing up and the Wheel Lug Peg (3) sticking up through the lug hole of the rim.

2. Place the Spider Pedestal (4) over the Center Post (1) with the tapered side going into the wheel hub.

3. Screw the Pedestal Cap (2) onto the Center Post (1). Lock the Spider Pedestal (4) into place by tightening snugly by hand. Hand tightening should be adequate. However, if you want more pressure place the flat end of the Mount/Demount Bar (14) through the top of the Pedestal Cap and use extra leverage to tighten the Pedestal Cap further.

4. Once the tire is held securely in place, force the flat end of the Mount/Demount Bar (14) in between the tire and the rim. This should be done with the flat end of the Mount/Demount Bar against the rim. Pull the Mount/Demount Bar toward you and across the tire to force the edge of the bead over the rim.
5. Work the Mount/Demount Bar (14) all the way around the Center Post (1) to demount the bead completely.

6. Pull the tire up toward the top of the bead. Place the flat end of the Mount/Demount Bar (14) between the tire and the rim as before. Then, repeat the process to remove the tire from the rim completely.

7. Repair the tire. Then, mount the tire back on the rim and set the tire on top of the rim.

8. Hook the end of the Mount/Demount Bar (14) over the edge of the rim.

9. Push the tire forward over the edge of the rim at the place the Mount/Demount Bar (14) is.

10. Position the bead so it will slide across the flat portion of the hook end of the Mount/Demount Bar (14).

11. Press down on the tire with one hand against the rim. With the other hand, pull the Mount/Demount Bar (14) clockwise around the Center Post (1) until the bead starts to mount on the rim. It should only have to move a few inches before you can let go of the tire and use both hands on the Mount/Demount Bar.

12. Continue around the rim until the tire mounts over the edge of the bead. Repeat this procedure on the second bead to completely mount the tire.

13. **IMPORTANT:** If the tire bead starts to seat while you are mounting the tire, the tire will need to stretch more and will be more difficult to mount. To prevent this, push down on the tire so it doesn’t seat on the upper edge of the rim during mounting.

14. **NOTE:** The bead running across the top of the Mount/Demount Bar (14) keeps the Bar hooked on the edge of the rim. The tire bead will run across the top (flat part of the mounting end of the Bar) and against the curved Wheel Lug Peg (3) when mounting the tire on the rim.

**ATV Tires:**

1. **NOTE:** ATV tires are difficult to demount and mount because of their small diameter. Additionally, the tires are soft and bend easily when breaking the bead.

2. If the Bead Breaker Shoe (10) slides off the tire, hold the Shoe in place and work around the rim breaking the bead a little at a time.

3. Place lubricant between the tire and rim to make it slide off easier.
4. If the wheel has a tall rim with a small inside diameter so that the rim does not go over the round plate on the Center Post (1) and will not accept the Spider Pedestal (4), or let the Wheel Lug Peg (3) through its hole, you should still be able to use this Tire Changer to demount and mount the tire. Most rims are held in place adequately by tightening the Center Post Cap down snugly. With the Cap in place, you should still be able to hold the rim in place to mount and demount the tire as discussed previously.

**INSPECTION, MAINTENANCE, AND CLEANING**

1. **Before each use,** inspect the general condition of the Tire Changer. Check for loose screws, misalignment or binding of moving parts, cracked or broken parts, and any other condition that may affect the safe operation of the Tire Changer. If abnormal noise or vibration occurs, have the problem corrected before further use. **Do not use damaged equipment.**

2. **To clean the Tire Changer,** use a mild detergent or mild solvent. Then, dry.

3. **CAUTION!** All maintenance, service, or repairs not mentioned in this manual must only be performed by a qualified service technician.

**PLEASE READ THE FOLLOWING CAREFULLY**

THE MANUFACTURER AND/OR DISTRIBUTOR HAS PROVIDED THE PARTS LIST AND ASSEMBLY DIAGRAM IN THIS MANUAL AS A REFERENCE TOOL ONLY. NEITHER THE MANUFACTURER OR DISTRIBUTOR MAKES ANY REPRESENTATION OR WARRANTY OF ANY KIND TO THE BUYER THAT HE OR SHE IS QUALIFIED TO REPLACE ANY PARTS OF THE PRODUCT. IN FACT, THE MANUFACTURER AND/OR DISTRIBUTOR EXPRESSLY STATES THAT ALL REPAIRS AND PARTS REPLACEMENTS SHOULD BE UNDERTAKEN BY CERTIFIED AND LICENSED TECHNICIANS, AND NOT BY THE BUYER. THE BUYER ASSUMES ALL RISKS AND LIABILITY ARISING OUT OF HIS OR HER REPAIRS TO THE ORIGINAL PRODUCT OR REPLACEMENT PARTS THERETO, OR ARISING OUT OF HIS OR HER INSTALLATION OF REPLACEMENT PARTS THERETO.
### PARTS LIST AND ASSEMBLY DIAGRAM

<table>
<thead>
<tr>
<th>Part #</th>
<th>Description</th>
<th>Qty.</th>
<th>Part #</th>
<th>Description</th>
<th>Qty.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Center Post</td>
<td>1</td>
<td>8</td>
<td>Hump Pin &amp; Rings</td>
<td>2</td>
</tr>
<tr>
<td>2</td>
<td>Pedestal Cap</td>
<td>1</td>
<td>9</td>
<td>Side Base Channel</td>
<td>2</td>
</tr>
<tr>
<td>3</td>
<td>Wheel Lug Peg</td>
<td>1</td>
<td>10</td>
<td>Bead Breaker Shoe</td>
<td>1</td>
</tr>
<tr>
<td>4</td>
<td>Spider Pedestal</td>
<td>1</td>
<td>11</td>
<td>Lock Washer (3/8&quot;)</td>
<td>4</td>
</tr>
<tr>
<td>5</td>
<td>Clevis Pegs (7/16&quot;)</td>
<td>2</td>
<td>12</td>
<td>Hex Head Nut (3/8&quot; x 16)</td>
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<tr>
<td>6</td>
<td>Large Hex Bolt (3/8&quot; x 16 x 1&quot;)</td>
<td>4</td>
<td>13</td>
<td>Pedestal Base</td>
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</tr>
<tr>
<td>7</td>
<td>Bead Breaker Handle</td>
<td>1</td>
<td>14</td>
<td>Mount/Demount Bar</td>
<td>1</td>
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</table>

**NOTE:**
Some parts are listed and shown for illustration purposes only, and are not available individually as replacement parts.
Harbor Freight Tools Co. makes every effort to assure that its products meet high quality and durability standards, and warrants to the original purchaser that this product is free from defects in materials and workmanship for the period of ninety days from the date of purchase. This warranty does not apply to damage due directly or indirectly, to misuse, abuse, negligence or accidents, repairs or alterations outside our facilities, or to lack of maintenance. We shall in no event be liable for death, injuries to persons or property, or for incidental, contingent, special or consequential damages arising from the use of our product. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. THIS WARRANTY IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS.

To take advantage of this warranty, the product or part must be returned to us with transportation charges prepaid. Proof of purchase date and an explanation of the complaint must accompany the merchandise. If our inspection verifies the defect, we will either repair or replace the product at our election or we may elect to refund the purchase price if we cannot readily and quickly provide you with a replacement. We will return repaired products at our expense, but if we determine there is no defect, or that the defect resulted from causes not within the scope of our warranty, then you must bear the cost of returning the product.

This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

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