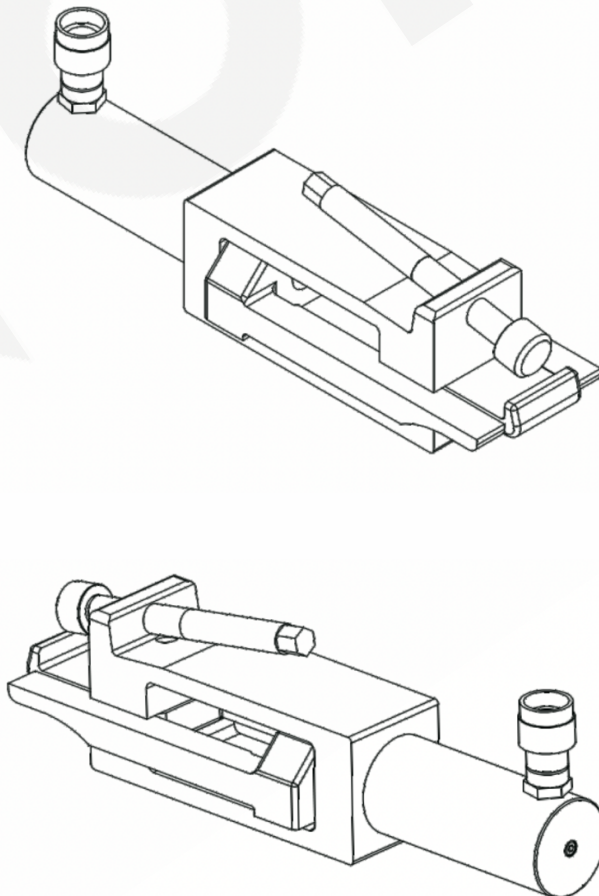


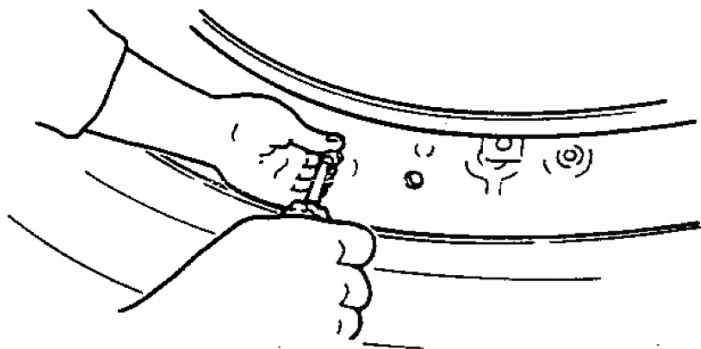
Read all instructions, warnings and cautions carefully. Follow all basic safety precautions to avoid personal injury or property damage during system operation. ITORQ cannot be held responsible for damage or injury resulting from unsafe product use, lack of maintenance or incorrect product and/or system operation. Contact ITORQ when in doubt as to the safety precautions and operations.

The BBT51 Tyre Bead Breaker is used on 25" - 51" multi-piece rims with pry bar pockets. They are designed to break earthmover tyre beads on any rim. They can be used with PH Series Steel Hand Pumps, PA Series Air Hydraulic Foot Pumps, or equivalent 10,000 psi / 700 bar Hydraulic Pumps.

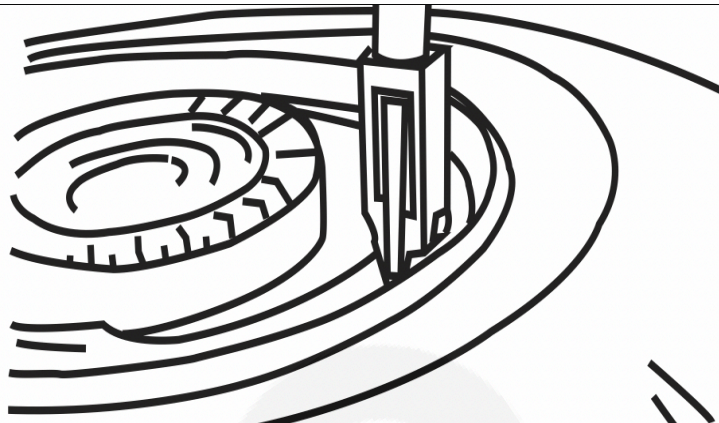
- These instructions don't apply to any specific rim. Therefore, please contact the rim manufacturer for the correct procedure of your particular rim.
- Follow the instructions of the tyre manufacturer and the vehicle manufacturer when deflating, demounting, mounting and inflating the tyres.
- Immediately replace any worn or damaged parts with genuine ITORQ replacement parts/spares.



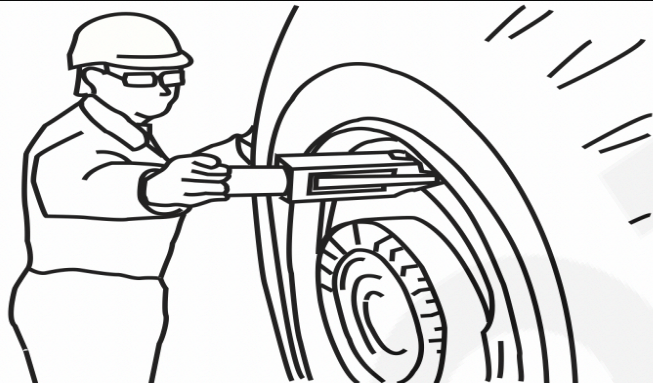
Removing the Wheel:	Positioning the Bead Breaker:
<p>1) Chock the wheels opposite the jack.</p> <p>2) Jack up the vehicle.</p> <p>3) Crib the vehicle with safety stands or blocking devices after jacking it up. Do not work under an unblocked load.</p> <p>Note: Failure to chock the wheels and crib the vehicle can result in serious injury or death.</p> <p>4) Remove the valve core; deflate tyres completely. (Check Figure 1)</p> <p>5) Insert a thin piece of wire through the valve stem to make sure air is flowing freely and the valve stem is not blocked.</p> <p>Note: Deflate both tyres if you have a dual mounting.</p> <p>Note: Always deflate tyres before removing a wheel, a rim, or part of a rim, such as a rim clamp or nut. If you don't deflate the tyre, the tyre could explode, causing serious injury or death.</p> <p>6)</p> <p>a) If you are breaking the tyre bead with the wheel on the vehicle, proceed to the next section: 'Positioning the Bead Breaker'</p> <p>b) If you are breaking the tyre bead with the wheel off the vehicle, remove the tyre/rim assembly from the vehicle and place it flat on the ground with the gutter side up, proceed to the next section: 'Positioning the Bead Breaker'</p>	<p>1) Place the bead breaker into the continuous pry bar pocket, with the hooks under the lip of the bead seat band. (Check Figure 2)</p> <p>2) Position the bead breaker so that it is about 30°, or at least 12 inches, to one side of the flange butt weld.</p> <p>3) Adjust the ram adjusting screw so that the bead breaker is perpendicular (90°) to the wheel. (Check Figure 2)</p> <p>4) Stand to one side of the bead breaker. Hold the bead breaker with one hand. (Check Figure 3)</p> <p>Note: Always stand to one side of the rim when using the bead breaker. Standing to one side of the bead breaker allows you to maintain control of the bead breaker. If it is not seated properly and flies off the rim, the bead breaker could cause serious injury or death.</p>



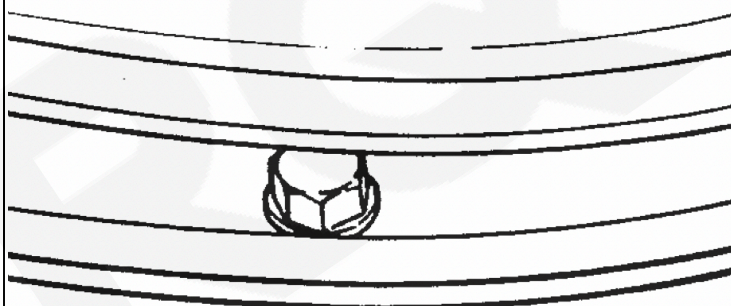
(Figure 1)



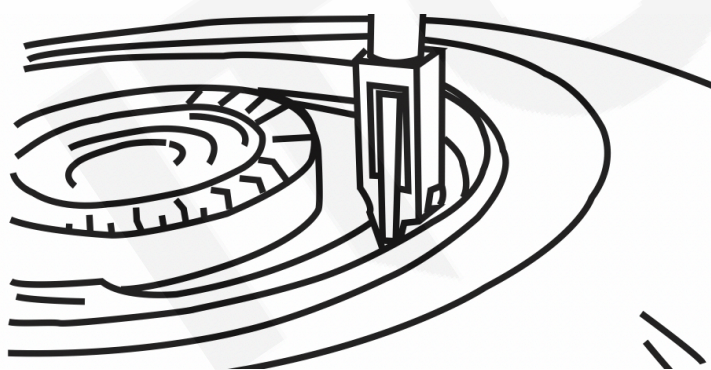
(Figure 2)



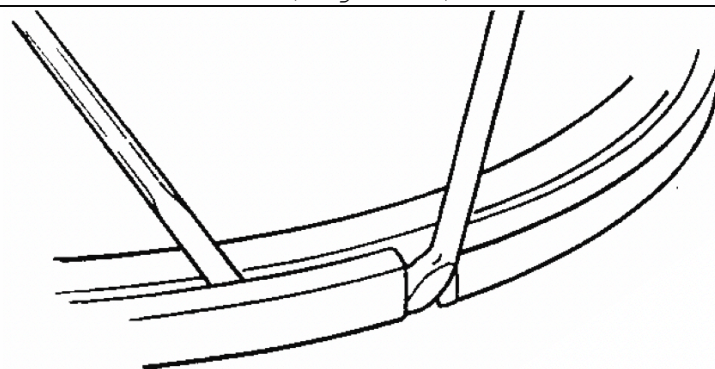
(Figure 3)



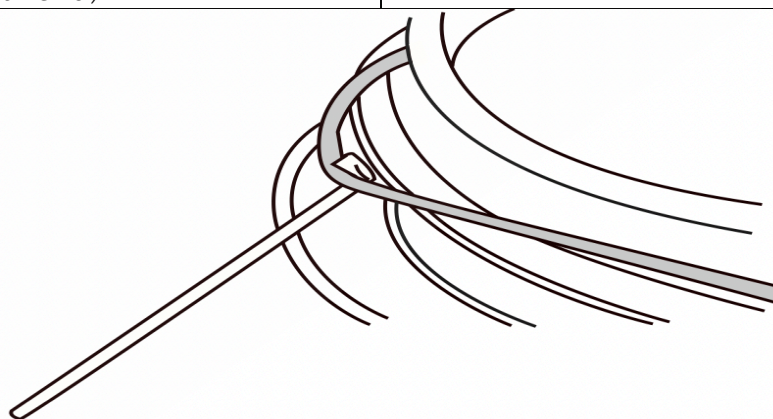
(Figure 4)



(Figure 5)



(Figure 6)



(Figure 7)

Activating the Bead Breaker:	Continuing to Break the Tyre Bead:
<p>1) Turn on the hydraulic pump to activate the bead breaker.</p> <p>2) Apply enough hydraulic pressure to the bead breaker to push the flange about 0.5" - 0.75" (13 mm - 19 mm) from the lip of the bead seat band.</p> <p>3) If the bead breaker moves and is no longer vertical, readjust the ram adjusting screw. You must release pressure before adjusting the screw.</p> <p>4) Continue applying hydraulic pressure until the flange is about 0.75" - 1" (19 mm - 25 mm) from the lip of the bead seat band.</p> <p>5) Place a nut or similar object between the flange and the lip of the bead seat band. (Check Figure 4)</p> <p>Note: To prevent injury, lay the nut on the flange and slide it into position with 2 screwdrivers. Don't put your fingers under the bead seat band.</p> <p>6) Release the hydraulic pressure.</p>	<p>1) Move the bead breaker away from the flange butt weld, 2 - 3 feet from its present position.</p> <p>2) Follow the steps in the previous section: 'Activating the Bead Breaker'</p> <p>3) Continue advancing the bead breaker around the rim, 2 - 3 feet at a time, breaking the tyre bead.</p> <p>4) Stop breaking the tyre bead when you have mounted the bead breaker about 3/4 of the way around the rim. (Check Figure 5)</p> <p>Note: To prevent damage to the rim, do not use the bead breaker within 12 inches of the flange butt weld.</p> <p>5) Apply enough pressure to the bead breaker to completely break the tyre bead.</p> <p>6) Release the hydraulic pressure.</p> <p>Note: If you have gone all the way around the tyre and the tyre bead doesn't break - repeat the steps in the following sections: 'Activating the Bead Breaker' & 'Continuing to Break the Tyre Bead'</p>

Removing the Lock Ring & O Ring:

- 1) Remove the lock ring with 2 pry bars. Start at the split in the ring and then work the tools around the ring.
(Check Figure 6)
- 2) Place a pry bar or screwdriver under the O Ring and pull it out from the groove in the rim. Cut the O Ring with a knife to ensure that a new O Ring is used.
(Check Figure 7)