

## Hydraulic Assist Pump Makes Wheel Repair Easy

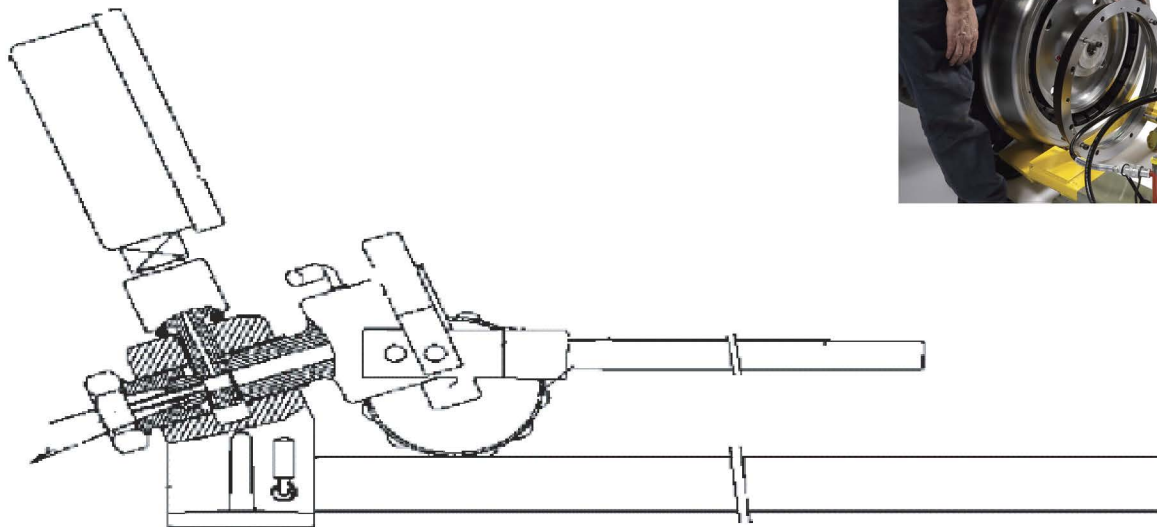
For ease of ring removal, use the Hydraulic Assist Pump to force hydraulic fluid into the conical ring until sufficient pressure builds up. The Pump is compatible with the RoboJack mechanical jack, as well as with the Wheel Center Puller and Axle Press.

For best results, follow these steps:

- 1) Loosen the 8 locking bolts which fasten the conical ring tight against the wheel center. Remove 4 of the bolts and discard them.
- 2) Connect the Hydraulic Assist Pump to the conical ring. Loosen the remaining 4 locking bolts, leaving them fastened by 3 or 4 threads.
- 3) Move RoboJack or another kind of jack into position and support the tire.
- 4) Pump hydraulic fluid into the conical ring until pressure builds up. The conical ring should “pop” off and will be caught by the 4 remaining conical ring bolts.

If the conical ring does not pop off, screw a pusher bolt into each of the 4 pusher bolt holes and tighten the pusher bolts to help the hydraulic pressure remove the conical ring.

- 5) Disconnect the Hydraulic Assist Pump
- 6) Remove the remaining 4 locking bolts and discard them. Tighten the 4 pusher bolts further, until the tire loosens from the wheel center.
- 7) Remove the conical ring from the tire. Be careful not to bend any components.





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## Using the Hydraulic Assist Pump, cont'd

- 8) Remove tire from wheel center, without bending any components. (A pry bar may be used for this task.)

Remove the tire by pulling on the RoboJack. If the RoboJack is positioned too high, the tire may require additional effort for removal, so adjust the height as necessary.

- 9) Remove pusher bolts from the conical ring.

**CAUTION:** To avoid damage to pusher bolt threads, hand-turn the pusher bolts when backing them out of the conical ring. Using an impact wrench may damage the threads.



*This conical ring still has jacking bolts in-place after the ring's removal. Remove and retain jacking bolts for later use.*

**Terms & Conditions:** Equipment available only to end users of PMC resilient wheel products.

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