

DEFLATION SYSTEM FOR OTR'S BOLT-TOGETHER ALUMINUM WHEELS

OTR has developed a new deflation system for our 2-piece bolt-together aluminum mobile crane wheel line. Significant features include:

- ✓ Reduced deflation time when servicing and/or replacing the tire.
- ✓ Barrier in the form of a nut-cover ring that prevents the flanged nuts used to clamp the wheel halves together from being accidentally removed while the assembly is inflated.



Care must be taken when servicing any bolt-together wheel to avoid risk associated with service and maintenance. The primary concern stems from the process to loosen the nuts that hold the wheel sections together while the tire is still inflated. *Serious injuries can occur if the two halves separate with extreme force.*

OTR's unique deflation system addresses this concern via two main features:

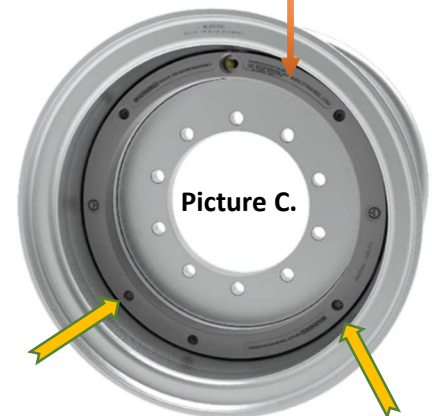
- WARNING messages placed on outer wheel half, in-line with the port style valve stem and the nut cover ring (2-locations). **PICTURE A.**
- Nut-cover ring provides information how to access servicing instructions. **PICTURE B.**
- Nut-cover ring secured in place in front of the nuts to prevent personnel from accidentally loosening nuts while removing the wheel from the hub. **PICTURE C.**
- Two port plugs installed in front of the nut cover ring. these plugs seal two venting ports that located in the inner wheel half.



Picture A.



Picture B.



To remove the nuts holding the wheel sections together, the nut-cover *must* be removed. To remove the nut-cover, the two port plugs *must* be removed. If the tire has not been previously deflated the air will be *immediately released* when the plugs are removed. **Note deflation time will be reduced up to 50%!** Once tire pressure is released, there will be NO extreme force applied to the wheel halves, *thus ensuring safe de-mounting for personnel.*

