

CHANGING TIRES



CRITICAL TO SAFETY

- Tire must be completely deflated before breaking the bead. Never force the bead shovel.
- Lift assembly on and off changer using proper body mechanics. (Lift with your knees, do not twist and keep assembly close to your body.) Ask for help with heavy assemblies.
- Keep hands on top of assembly, away from clamps when lifting assembly up and off the changer and operating the clamps.
- Use the manual bead depressor or duck head roller to keep the bead in position when mounting an assembly.
- Never lean over the assembly while using a tire bar. Stand at the 6 o'clock position with a firm grip on the bar, using downward pressure on the bar to pull the bead over the duck head.
- Never touch the foot of the robo-arm or place your hand between the robo-arm and the assembly.



CRITICAL TO QUALITY

- As the tire is deflating, use the wheel weight pliers or tape weight scraper to remove the current wheel weights and place them in the recycle bin.
- When breaking beads, place the assembly against the changer with the inner bead facing outward and the valve hole at the 6 or 12 o'clock position. **(Break the back bead first)**
- To avoid damage, always close the clamps from the outside.
- When mounting or dismounting a tire, always use the bead paste to lubricate the bead and wheel.
- Once the tire has been dismounted, replace the valve stem or rebuild the TPMS. This must be done every time the tire is removed from the wheel.
- When working with chrome wheels, if the chrome is flaking off in the bead seat area, stop and speak with your supervisor.
- Do not place the tire on top of the wheel when lubricating the beads.
- Verify proper direction of the tire when mounting asymmetrical or directional tires on the wheel.

The Whys

- The handle of the bead shovel can bounce back and hit you after the bead breaks, resulting in contusions and even broken bones.
- Breaking inner bead first helps prevent damage to the face of the wheel.
- Clamping from the inside of the wheel will gouge the barrel.
- Lubricating makes the process easier, but also helps to prevent damage to the tire.
- Do not use the surface cup brush on the bead seat of chrome wheels as this will prevent the tire from sealing properly.
- Placing the tire on the face of the wheel can cause damage to the wheel.
- Using a closed fist will protect your fingers from pinch points.
- Leaning over the assembly puts you in the potential path of the tire bar.

Note: Use hockey style grip tape on the tire bar to reduce the chance of slippage.