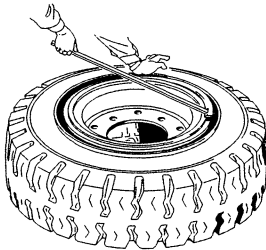
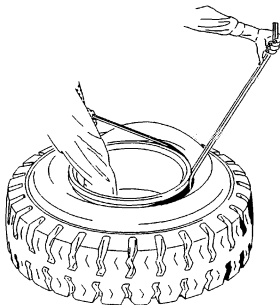


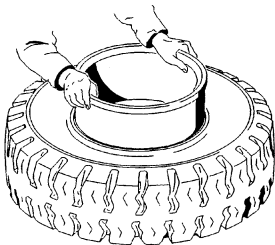
**STEP 1.** Loosen the tire bead from the side flange.



**STEP 2.** Put the tire tool into the slot between the lock ring and wheel rim. Remove the lock ring and side flange. If there is a flange seat, remove it.



**STEP 3.** Loosen the bead from the other side of the wheel rim. Remove the valve stem from the wheel.



**STEP 4.** Remove the wheel from the tire.

**FIGURE 45. TIRE REMOVAL, THREE AND FOUR PIECE WHEELS**

**Pneumatic Tires, Install The Wheel In The Tire (See FIGURE 46. or FIGURE 47.)**

**⚠ WARNING**

Wheels can explode and cause injury or death if the following procedures are not followed:

- Clean and inspect all parts of the wheel before installing the tire.
- **DO NOT** use any damaged or repaired wheel parts.
- Make sure that all parts of the wheel are the correct parts for that wheel assembly.
- **DO NOT** mix parts between different types or manufacturers of wheels.
- **DO NOT** mix types of tires, type of tire tread, or wheel assemblies of different manufacturers on any one lift truck.

Do not use a steel hammer on the wheel. Use a rubber, lead, plastic or brass hammer to put parts together. Make sure that the side ring is in the correct position. The ends of the side ring must not touch. The clearance at the ends of the side ring must be 2.5 to 6.5 mm (0.1 to 0.25 in) after it is installed. If the clearance is wrong, the wrong part has been used.

1. Clean and inspect all parts of the wheel. Paint any parts that have rust or corrosion.
2. Install a new inner tube in the tire. Used tubes and flaps can cause tire failure.
3. Apply a rubber lubricant or a soap solution to the tire bead and tube.

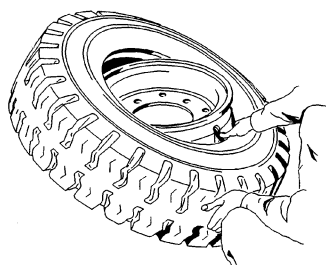
**⚠ WARNING**

Do not lubricate the tire bead with anti-freeze or petroleum based liquid. Vapors from these liquids can cause an explosion during inflation or use.

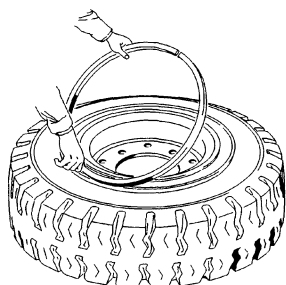
4. Install a new tire flap.
5. Make sure the rim is the correct size for the tire. Lubricate the part of the wheel that contacts the bead and flap.



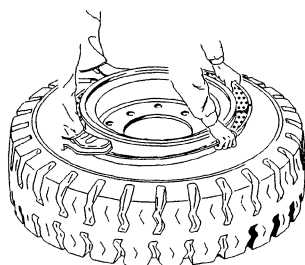
**STEP 1.** Install the inner tube and the rubber flap in the tire..



**STEP 2.** Install the wheel rim in the tire. Make sure the stem of the inner tube is aligned with the slot in the rim.



**STEP 3.** Turn over the rim and tire. Put blocks under the rim so that the rim is 8 to 10 cm (3 to 4 in) above the floor. Install the flange seat (if used) and the side flange. Hold them in the correct position.

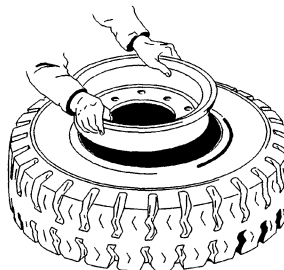


**STEP4.** Put the lock ring in the correct position on the rim. Add air pressure to the tire as described in "Add Air To The Tires".

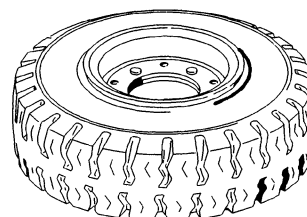
FIGURE 46. INSTALL THE WHEEL IN THE

6. Install the two-piece wheel in the tire as shown in FIGURE 47. Install the three-piece or four-piece wheel in the tire as shown in FIGURE 46.

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**STEP1.** Install the inner tube and the rubber flap in the tire. Install both halves of the wheel rim in the tire. Make sure the stem of the inner tube is aligned with the slot in the rim.



**STEP 2.** Tighten the nuts that hold the rim halves together to 195 to 210 N.m (145 to 155 lbf ft). Add air pressure to the tire (see the Nameplate).

FIGURE 47. INSTALL THE WHEEL IN THE TIRE, TWO-PIECE WHEEL

### Pneumatic Tires, Add Air To The Tires (See FIGURE 48.)

#### **WARNING**

Add air pressure to the tires only in a safety cage. Inspect the safety cage for damage before use. When air pressure is added, use a chuck that fastens onto the valve stem of the inner tube. Make sure there is enough hose to permit the operator to stand away from the safety cage when air pressure is added to the tire.

Do not sit or stand by the safety cage. Do not use a hammer to try and correct the position of the side flange or lock ring when the tire has air pressure greater than 20 kPa (3 psi).