

# SERVICE MANUAL

TRUCKS

**L 385**

*Export Service Department*

AKTIEBOLAGET

**VOLVO**

GÖTEBORG, SWEDEN

## PART 8

# WHEELS AND TIRES

## REPAIR INSTRUCTIONS

### REMOVING A WHEEL

1. Loosen the wheel nuts about one turn.
2. Jack up the axle behind the wheel to be removed and place a support under the axle.
3. Remove the nuts and lift off the wheel.

### REMOVING A TIRE

1. Let out the air by screwing out the valve.
2. Push down the bead on one side of the tire towards the center of the rim. Force down the side ring with a lever. Insert another lever in the recess in the lock ring and force it over the edge of the rim (Fig. 8-1). Apply force to both levers alternatively until the complete tire is loose. See Fig. 8-2. Remove the ring.
3. Lay the wheel upside down on a couple of wooden blocks. Press the tire off the rim. Take care not to damage the valve nipple.

### FITTING A TIRE

1. Lay the inner tube and the band in the tire. Inflate the inner tube until it just fills the tire.
2. Press the tire onto the rim. Make sure that the valve nipple comes into its right position and that it is not damaged.
3. Lay on the side ring (Fig. 8-3). Lay on the lock ring and drive it into the groove as shown in Fig. 8-4 and Fig. 8-5.
4. Make sure that the side and lock rings are correctly in position. Inflate the tire to the correct pressure with care.

NOTE. Never stand on the same side of the tire as the lock ring while inflating. It is best to use a grille as shown in Fig. 8-6.

## FITTING A WHEEL

1. Lift on the wheel. Fit the nuts and tighten them.
2. Lower the truck and then tighten the wheel nuts thoroughly. Do not tighten them in the same order in which they are fitted. Instead tighten diametrically opposed nuts one after the other.

## SPECIFICATIONS

### WHEELS

Type .....	Disk wheels
Size .....	7.00 x 20"
Radial throw .....	max. 0.138"
Runout .....	max. 0.138"
Wheel revolutions (10.00 x 20" tires) .....	515 per mile (322 per km) approx.

### TIRES

Size .....	10.00 x 20"
Rolling radius .....	approx. 19"

### AIR PRESSURE

	Front	Rear
Light load .....	53.5 p.s.i.	50.0 p.s.i.
Medium load .....	57.0 p.s.i.	64.0 p.s.i.
Heavy load .....	64.0 p.s.i.	78.0 p.s.i.

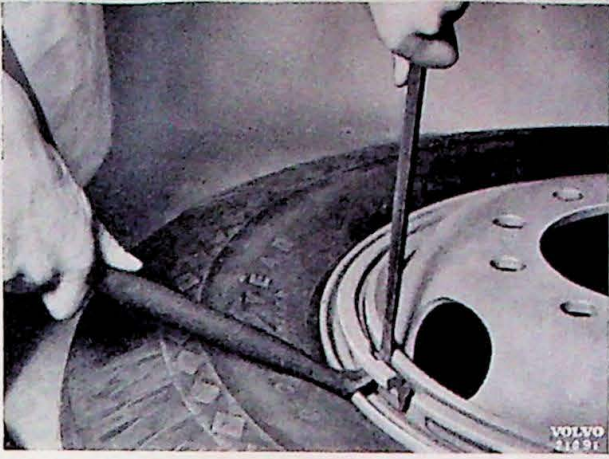


Fig. 8—1. Removing lock ring.

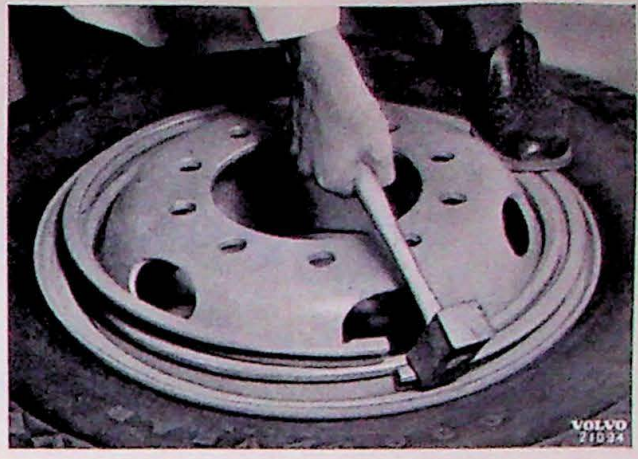


Fig. 8—4. Fitting lock ring.

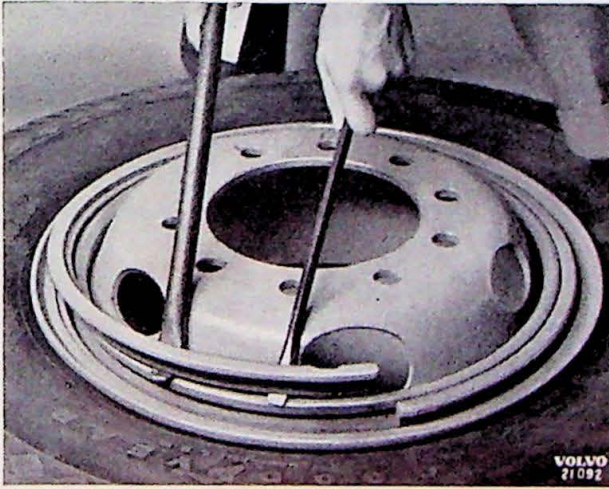


Fig. 8—2. Removing lock ring.

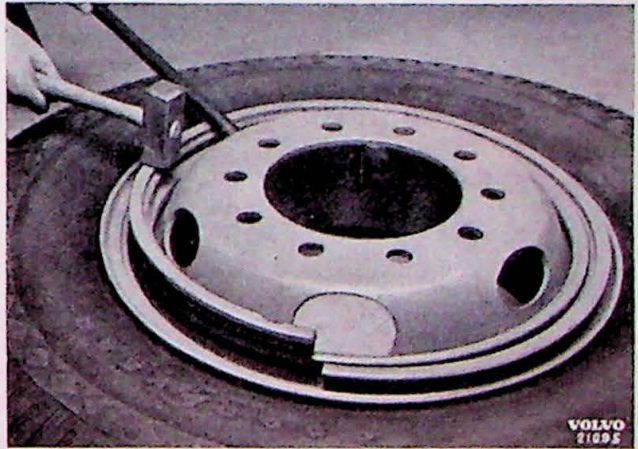


Fig. 8—5. Fitting lock ring.

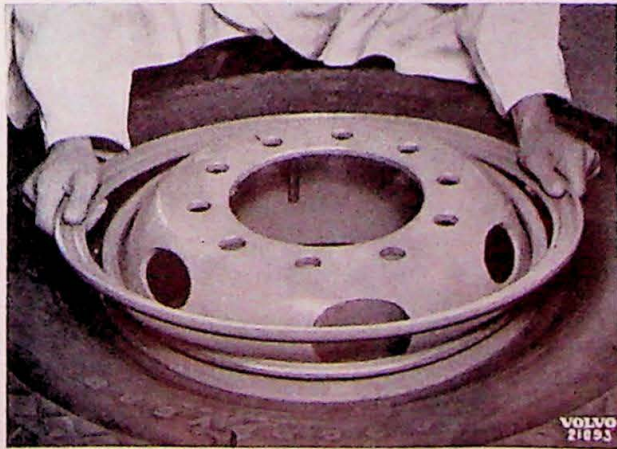


Fig. 8—3. Fitting side ring.

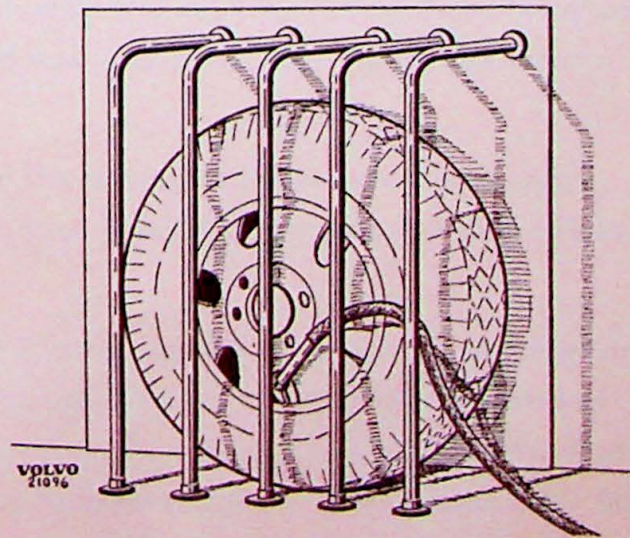


Fig. 8—6. Type of protection device when inflating tires.