

## SECTION V: IMPORTANT EQUIPMENT FOR TIRE AND RIM/WHEEL SERVICING

Using proper tools and safety equipment can help prevent personal injuries and costly damage. Remember, an inflated truck tire contains explosive energy. This can cause the tire/rim components to burst apart with great force. Protect yourself. Use the servicing equipment recommended below.

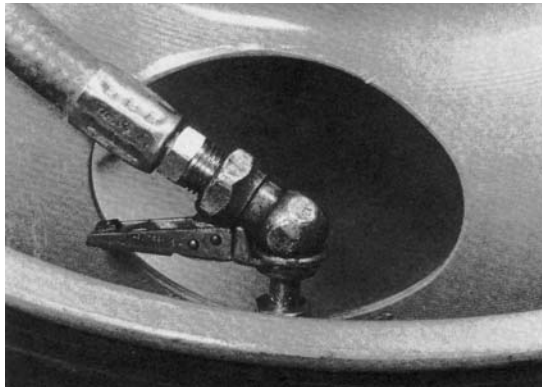
1. Always inflate in a safety cage using a clip-on air chuck or use an OSHA-approved restraining device with a clip-on air chuck.
  - ◆ This is a safeguard against injury resulting from assembly errors.
  - ◆ A safety cage is your best protection if there is an explosion during inflation.



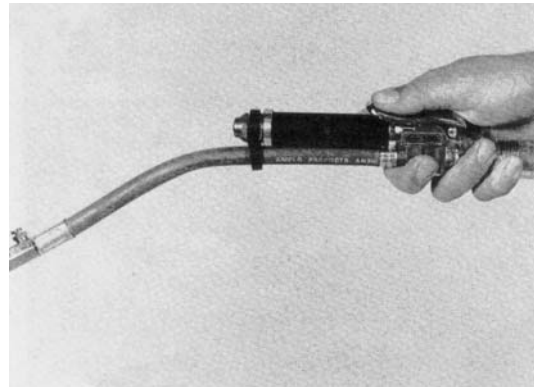
Safety Cage

**⚠ WARNING:** Facing the side/lock rings against a wall or other permanent structure during inflation is not safe. If the assembly explodes, you can be struck by flying components. Fully restrain the tire and rim/wheel during inflation.

2. Always use a clip-on air chuck with an in-line valve and gauge with sufficient length of hose to **stand clear**.



Clip-on Air Chuck



In-line Valve and Gauge

- ◆ A clip-on air chuck allows you to keep your hands, arms, and body clear during inflation.
- ◆ An in-line valve allows you to control the air flow while standing away from the assembly.
- ◆ An in-line gauge allows you to monitor the air pressure going into the tire during inflation.

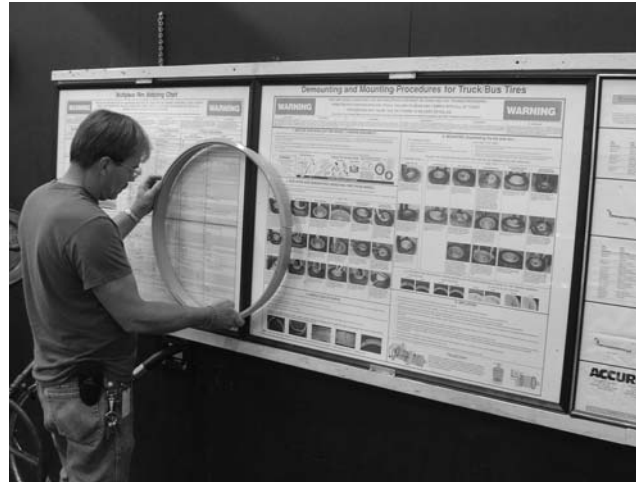
**⚠ WARNING:** Inflating a truck tire with a hand-held air chuck is dangerous. You have to put your hand inside the safety cage or the restraining device. You can't stand clear. You can be seriously injured.

### 3. Display and use current demounting and mounting procedure chart and matching chart.

- ◆ A **demounting and mounting procedure chart** shows you the proper procedure to follow when servicing truck tires and rims/wheels.
- ◆ A **matching chart** shows you which components you can put together safely. You need to properly match the rim and the side and lock rings when servicing multi-piece rims/wheels. Remember, you also need to match the rim/wheel to the tire.

Typical examples of these charts are:

- ➔ "Demounting and Mounting Procedures for Truck/Bus Tires"\*
- ➔ "Multi-Piece Rim Matching Chart"\*



\* In the U.S. single copies of these charts are available without charge through the Occupational Safety and Health Administration (OSHA) Area Offices. The address and telephone number of the nearest OSHA Area Office can be obtained by looking in the local telephone directory under U.S. Government, U.S. Department of Labor, Occupational Safety and Health Administration. See inside front cover for ordering instructions.

The following Accuride Safety and Service information is also available free of charge:

- ◆ Multi-Piece Rim Matching Chart (OSHA)
- ◆ Demounting/Mounting Procedures Wall Chart (OSHA)
- ◆ Rim and Ring Matching Chart for Accuride Rim/Wheel Parts
- ◆ Wheel Out of Service Guidelines Wall Chart
- ◆ Hub Piloted/Stud Piloted Wheel Mounting System Identification Chart
- ◆ Accuride Video Program (DVD) "Servicing Single & Multi-Piece Wheels"
- ◆ Accuride Video Program (DVD) "Servicing and Maintaining Disc Wheels"
- ◆ Accuride Video Program (DVD) "Accu-Forge® Aluminum Wheels - The Bright Performers"
- ◆ Accuride Video Program (DVD) "Servicing and Maintaining Demountable Rims"

See inside front cover for ordering instructions.



Accuride also has Rim/Wheel information available free of charge in French and Spanish.

### 4. Maintain and use current rim/wheel manuals.

- ◆ A current rim/wheel manual should be available in the service area. This manual should contain instructions for the type of rims/wheels you service.
- ◆ Rim/wheel manuals are available from rim/wheel manufacturers or your local rim/wheel distributor.

### 5. Use proper tools.

- ◆ Use only the tools recommended by the manufacturer for servicing the specific tire and rim.
- ◆ Pages 18 and 19 of this manual show the proper tools and pages 26 through 37 show the mounting and demounting instructions for servicing truck tires and rims/wheels.

