1 BEFORE SERVICING ANY TIRE/RIM ASSEMBLY

- Always comply with the procedures on this chart and in the tire/wheel manufacturer’s training, instruction manual or other government and industry written and/or graphical materials.
- Before looseing any nuts or clamps that attach a tube-type rim assembly to a vehicle, ALWAYS completely deflate the tire or both tires of a dual assembly by taking out the valve core.
- Use a non-flammable hydraulic or synthetic rubber lubricant on the beads and rim surfaces to make tire demounting and mounting easier.
- Use proper tools to demount or mount tires and tools refer to (Tire Service Tools). ALWAYS use a solid side hammer to seat the components—use only plastic, rubber or brass-tipped mallets. Striking a tire with anything but a solid side hammer can cause distortion of the side or lock ring in the rim gutter.

2 DEMOUNTING AND MOUNTING TIRE FROM RIM/WHEEL ASSEMBLY

- Always completely deflate the tire assembly before attempting to demount or mount. Remove the tire and rim/wheel assembly from the vehicle. If the tire is matched to the rim, be certain that the side or lock ring is properly reworked, welded, heat or braze any rim parts or components.
- Locate the bead seats by using a side impact bead assessing tool, which will assess the potential for improper seating of any tire beads, both beads must be loosened before demounting a tire.

3 INSPECTING TIRE AND RIM/WHEEL COMPONENTS

- Always conduct a visual and tactile inspection of the tire, rim and wheel.
- Look for and feel for any damages or inconsistencies in the tires and/or rim/wheel that may indicate a problem with the tire/wheel. This should include checking for any damage or inconsistencies in the tread, sidewall or interior of the tire/wheel.
- Inspect the tire/wheel along the lines and in the area of the tire/wheel where the tire beads are seated, and where the tire/wheel is attached to the rim.

4 MOUNTING TIRE ON RIM/WHEEL ASSEMBLY

- BEFORE MOUNTING A TUBE-TYPE TIRE ON THE RIM/WHEEL ASSEMBLY, BE SURE TO INSTALL A BAND TUBE AS FOLL OWS: Remove the top bead from the tire and mount it on the rim, then carefully mount the bottom bead.
- ALWAYS mount a tube-type tire on a proper matched rim whose diameter is exactly matched the tire and rim diameter.

5 INFLATING TIRE/RIM/WHEEL ASSEMBLY

- Use a gauge to determine the pressure in the tire. If the pressure is below the tire’s recommended cold or at rest pressure, inflate the tire to the recommended pressure.
- When using the rubber inflation hose, never go above 40 psi to seat any tire beads. If the beads are not seated at 40 psi, the tire may explode.

6 STEP-BY-STEP INFLATION PROCEDURES

- Before starting the inflation process, be sure the tire and wheel assembly is properly seated on the rim.
- Insert the valve core removed.
- Insert the tube into the tire and inflate with just enough air to round the tire.
- If none of these “zipper” conditions are present, continue to inflate the tire.
- After the tire beads are seated, continue to inflate the tire.

TIRE AND RIM SERVICING CAN BE DANGEROUS AND MUST ONLY BE PERFORMED BY TRAINED PERSONNEL USING PROPER PROCEDURES AND TOOLS. FAIL TO READ AND COMPLY WITH ALL OF THESE PROCEDURES MAY RESULT IN INJURY TO YOU AND OTHERS.

FAILURE TO FOLLOW THE PROPER PROCEDURES CAN RESULT IN SERIOUS INJURY OR DEATH.

IF YOU DO NOT KNOW HOW TO USE TIRE SERVICING TOOLS —- IF YOU THINK YOUR JOB IS UNSAFE AND YOU HAVE QUESTIONS, CALL OSHA.