Rim Flange Wear Gauge

INSTRUCTIONS

THESE GAUGES ARE TO BE USED FOR RIM FLANGE WEAR ONLY. THEY ARE NOT A BEAD SEAT ANGLE OR DIAMETER TOOL.

DETERMINING RIM FLANGE WEAR

STEP 1. Remove the wheel/tire assembly from the vehicle. Remove the valve core per section 2-1 to deflate the tire completely, demount the tire from the wheel according to OSHA regulations, TMC Recommended Practices (RP 209) for tire and rim safety procedures and/or the Service Manual for Alcoa Wheels.

STEP 2. After the tire is demounted, verify that circumference of the bead seat on the open side is acceptable (See Section 3-4 in the Wheel Service Manual for Alcoa Wheels). Check the wheel flange with the Rim Flange Wear Gauge for Alcoa Wheels to determine if the wheels must be removed from service for excessive rim flange wear (Figures 3-25 and 3-26).

STEP 3. If the wheel is serviceable by the rim flange gauge, examine the wheel flange edge. Follow instructions according to Wheel Service Manual for Alcoa Wheels.

NOTICE

Examine the tire for cuts in the bead area and side wall. If no damage occurred to these areas, return the tire to service. Cut tires should be removed from service. The tire should be inspected at this time for any other damage.

NOTICE

Check the wheel at every tire change for rim flange wear and any sharp edges. Following this practice will significantly reduce the possibility of a rim flange cutting into the tire.

CAUTION

Do not run unprotected hands or fingers across worn rim flange areas of used wheels. Worn rim flange areas are sharp and can cut hands or fingers. Always wear gloves when handling used wheels or when testing for edge sharpness.

To obtain a gauge(s) (P/N 000700) at no charge and information about free training on installation and maintenance procedures, contact Arconic Wheel and Transportation Products at (800) 242-9898 or on the web at www.alcoawheels.com.