

Alcoa Wheel and Transportation Products
Technical Bulletin
**Welding Rim Flange or Heating Alcoa
Aluminum Wheels**



September 8, 2008 (Supersedes March 20, 2006 Bulletin)

Alcoa Wheel Products does not approve of any type of welding to the bead area or any other part of an Alcoa wheel.

Alcoa aluminum wheels are designed and tested for approved applications, to meet Alcoa Wheel Products requirements, along with requirements indicated in SAE J267 (Society of Automotive Engineers). Our wheels are heat treated to specific temperatures in a tightly controlled environment for specific time periods, to obtain certain mechanical properties, such as strength, toughness, and durability. Welding machining, painting, chroming, or any other action that generates heat may negatively affect these properties in such a way that the wheel cannot meet design criteria, and may result in non-compliance with Federal Motor Vehicle Safety Standards (FMVSS) and vehicle certification requirements. Where wheels have been so altered Alcoa cannot certify the accuracy or validity of the DOT markings stamped on the wheel at the time of manufacture. Any such practices could cause wheel cracks, shrinkage, breakage, or even a tire to separate from the wheel while mounting or inflating, causing serious injury or death.

Therefore, Alcoa does not approve of any welding, machining, painting, chroming, or any other such action that generates heat on an Alcoa wheel. Any such repair or actions will void the limited warranty.

Please note Alcoa's disapproval of any heating, straightening or welding in the Alcoa Service Manual in sections 3-2 and 3-12.

Rim Flange wear inspection, repair, and instructions are also available in the Service Manual starting in section 3-12. If you need a Service Manual at no cost, please call 1-800-242-9898.

Alcoa has a patented wheel called Dura-Flange® which has a protective coating to guard against rim flange wear. This wheel is available through Alcoa distributors and dealers. If you would like literature on Dura-Flange® " wheels, please call 1-800-242-9898.

For more information, call 800-242-9898

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