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# Alcoa® Wheels Technical Bulletin

## Altering Alcoa® Wheels from Original Design

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Howmet Aerospace Inc. does not approve of any type of alteration to Alcoa® wheels. This includes machining of any type, redesigning the hand holes, reconfiguring the bolt holes in any way, welding on any part of the wheel, along with chroming or painting the wheel.

Alcoa® wheels are designed and tested to Howmet Aerospace Inc. and OEM requirements, along with requirements indicated in SAE J267 (Society of Automotive Engineers). Our wheels are designed, manufactured, and rigorously tested in a tightly controlled environment to meet performance criteria only for approved applications. Alterations to a wheel may change stress points, strength, and corrosion 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 altered, Howmet Aerospace Inc. may not be able to certify the accuracy or validity of the DOT markings stamped on the wheel at the time of manufacture. Alterations can lead to cracks, bending, shrinkage, breakage, out of roundness, balancing issues, or other issues, which can lead to catastrophic wheel failure, wheel separation, tire failure or tire separation, causing serious injury or death. Use of adapter plates or beads-locks are not approved on Alcoa® Wheels and should NEVER be used.

Therefore, Howmet Aerospace Inc. does not approve of any alterations to its wheels and any such action will void the limited warranty.

Please note Howmet Aerospace Inc.'s disapproval of any modifications in the Service Manual for Alcoa® Wheels – North America in section 3-2. If you need a Service Manual at no cost, please call (800) 242-9898, or visit [www.alcoawheels.com](http://www.alcoawheels.com).

