

MAINTENANCE: HUBGREASE, BRISTLE DISCS AND DISCMATES

Does this look familiar?



Galvanic corrosion at mating faces of wheel



Galvanic corrosion in wheel nut area and inside center bore



Galvanic corrosion mating faces wheel nut protection ring or cover



Galvanic corrosion wheel nut area

Corrosion can weaken all metals and therefore it can cause damages and cracks. Improper maintenance may shorten the lifetime of your wheels, hubs and other hardware.

However with few important but simple things you can improve the lifetime:

1. **REMOVE** oxidation, rust, paint and dirt as described below.
2. **INSPECT** wheel and hub.
3. **REPLACE** and **LUBRICATE** valves at every tire change as specified in our last Product Information.
4. **PUMP** the tires with dry air and stay within wheel load index.
5. **LUBRICATE** hub with HUBgrease to prevent wheels stick on the hub.
6. **SEAT** the wheel to the hub.
7. **TORQUE** the nuts according to the manufacturers guidelines.

We have a wide range of accessories to help you maintaining your Alcoa Wheels.

BRISTLE DISCS AND PADS:



It is advised to use the Bristle discs and pads as they are not too abrasive to the wheel but will remove the corrosion:

- To clean the bead seats before mounting a new type of tyre.
- To clean the mating faces of the disc of the wheel and the hub.
- To clean the spigots or centering edges of the hub as well as the inner side of the hub bore of the wheel.
- To remove the sharp edges caused by rim flange wear.
- To remove general corrosion.

With traditional wire brushes, the wires come loose and can injure operators. Because its moulded, one-piece construction, the bristle disc is safer as there is no danger of loose or flying wires.



before



after



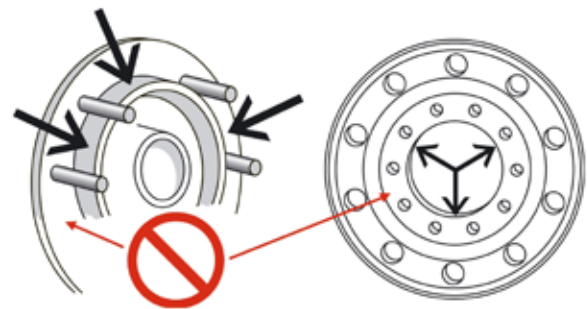
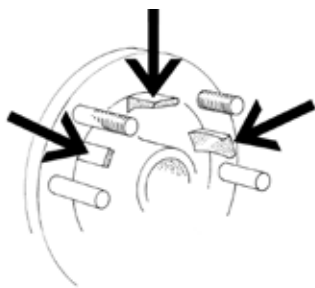
HUBGREASE:

After you have remove the galvanic corrosion, it is advised to apply a thin layer of HUBgrease on the inner side of the hub bore of the wheel, at the pilot tabs, spigots or centering edge of the hub / axle.



Note:

Do not apply any rust inhibitor, surface coating, fat, grease, oil or paint on either mating face of the wheels.
In case of an inner dual fitted wheel it applies to both sides of the wheel disc.



DISCMATES:

This high temperature nylon spacer is a protection gasket designed to protect wheel mounting surface from cosmetic or surface damage and prevent corrosion build-up between 2 wheels and between wheel and hub.

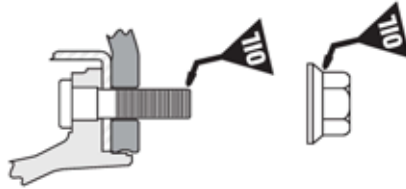


Application:

- Between twinned aluminium (Dura-Bright®) wheels.
- Between twinned steel and aluminium wheels.
- Between steel hub and aluminium wheels.
- Available for wheels with 10 boltholes, 335 mm bolt hole circle diameter, 22 mm studs.

Other recommendations:

- It is important to rinse the wheels with water after cleaning it with chemicals or cleaners. Residues which stay behind can increase corrosion around the studs and nuts and also can increase corrosion on other parts like center hubs, center tabs and mounting surface.
- Do not use VALVEgrease as HUBgrease.
- Apply 2 drops of (used) motor oil to the first 2 treads of the tip of each stud (left).
- This will minimize corrosion between the mating threading (not necessary with new hardware).



- Apply also 2 drops of (used) motor oil between the nut and the washer. Check to ensure they freely rotate.



Without proper greasing/lubrication....



Wheel nuts needed to be cut out the wheel

More information on wheel maintenance can be found in our Service Manual for Alcoa Wheels:
http://www.arconic.com/alcoawheels/europe/pdf/en/Alcoa_Wheel_Service_manual_English.pdf



For more information, contact:

Arconic Wheel and Transportation Products

Tel. +32 11 458 478

E-mail: info.wheels@arconic.com

www.alcoawheelseurope.com

www.alcoafleet.eu