



# SERVICE BULLETIN

Classification: WT15-002	Reference: NTB15-043	Date: May 7, 2015
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## PRECAUTIONS FOR CLEANING PAINTED ALLOY WHEELS

APPLIED VEHICLE: All Nissan vehicles equipped with **painting** alloy wheels.

### SERVICE INFORMATION

- The appearance of **painting** alloy wheels can be damaged if acidic cleaners are used (see example in Figure 1).

**NOTE:**

- See page 2 for example of painting wheel and chrome wheel.
- See page 2 for cleaning product pH information.
- **DO NOT use Chrome Wheel Cleaner on Painting Wheels.** Many chrome wheel cleaners have acidic ingredients.

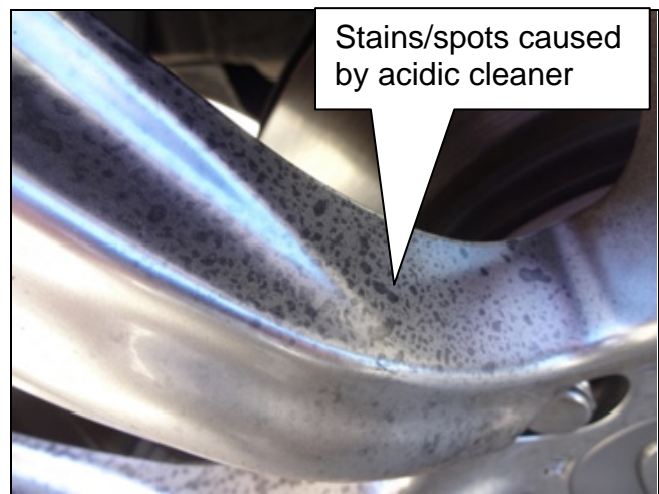


Figure 1

- Wash dirt off the vehicle and wheels with a wet sponge and plenty of water.
- Clean the vehicle and wheels thoroughly using a mild soap, a special vehicle soap, or general purpose dishwashing liquid, mixed with clean lukewarm (never hot) water.
- Nissan recommends that the road wheels be waxed to protect against road salt in areas where it is used during winter.
- **Make sure to follow all instruction in the Appearance and Care Section of the Owner's Manual.**

**IMPORTANT:** Damage to wheel appearance due to the use of inappropriate chemicals or cleaning products is not covered under warranty.

Nissan Bulletins are intended for use by qualified technicians, not 'do-it-yourselfers'. Qualified technicians are properly trained individuals who have the equipment, tools, safety instruction, and know-how to do a job properly and safely. NOTE: If you believe that a described condition may apply to a particular vehicle, DO NOT assume that it does. See your Nissan dealer to determine if this applies to your vehicle.

## Example of painted and chromed wheel



### Example of a Painted Alloy Wheel

Although the painted wheel has a high luster (shiny) appearance, it does **not** have a mirror like finish as found on a chromed wheel.

Figure 2

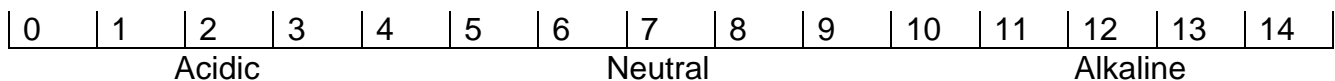
### Example of a Chromed Alloy Wheel

A chromed wheel has a highly reflective finish (like a mirror).

## Cleaning Product pH information

- Alloy Wheels are susceptible to damage from clearers with a pH that is acidic or alkaline.
- Cleaners should have a pH that is close to neutral (pH of 7). Cleaners with a neutral pH include mild soaps, and general purpose dishwashing liquids.

The pH scale is from 0 to 14:



- The more a cleaning product deviates from a pH of 7 (or neutral) the harsher the cleaner is, and the more likely it is to cause appearance damage.
- The pH of a product can usually be found on the MSDS (Materials Safety Data Sheet) for a given product.
- See examples of pH information from MSDS on the next page.

## Examples of pH Information From MSDS

### Example 1

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES  
BOILING POINT: 212 F  
MELTING POINT: NO DATA  
VAPOR PRESSURE: 140 @ 130 F  
SOLUBILITY IN WATER: COMPLETE  
SPECIFIC GRAVITY: H2O= >1  
pH: 1 - 2  
ODOR: BUTYL  
APPEARANCE: CLEAR LIQUID

pH of 1-2:  
This is very acidic  
(harsh cleaner)

### Example2

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES  
BOILING POINT: 212 DEG F  
MELTING POINT: NO DATA  
VAPOR PRESSURE: NA  
SOLUBILITY IN WATER: SOLUBLE  
SPECIFIC GRAVITY: 1.0  
pH: 7-8  
ODOR: SWEET  
APPEARANCE: CLEAR RED SOAPY LIQUID

pH of 7-8:  
This is neutral  
(mild cleaner – recommended )

### Example 3

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES  
BOILING POINT: 212 DEG. F  
MELTING POINT: NO DATA  
VAPOR PRESSURE: NA  
SOLUBILITY IN WATER: SOLUBLE  
SPECIFIC GRAVITY: 1.00  
pH: 10-11  
ODOR: LEMON ODOR  
APPEARANCE: CLEAR LIQUID

pH of 10-11:  
This is alkaline  
(harsh cleaner)