



Topic: Removing surface rust from ferrous alternator components
Alternators Affected: All

Issue Date: 04/06/2023
Document Number: SB49

Alternators and other rotating electric components are comprised mostly of ferrous materials for their magnetic properties. These components are susceptible to accumulation of surface rust, which can be accelerated with time and under certain environmental conditions. Surface rust is normal and cosmetic in most cases, and can be easily removed when necessary to ease the installation of items such as bearings, pulleys, etc. Follow instructions below to remove surface rust where necessary.

1. Use a fine, flexible scouring or sanding pad to remove the majority of surface rust from affected area(s). See Figures 1 and 2.

NOTICE *Use of sandpaper is NOT recommended.*

2. Rub the metal surface until a smooth, clean finish is achieved. See Figure 3.
3. Apply a thin layer of oil, if desired, to any unpainted surfaces to delay further accrual of surface rust until part is assembled or put into operation. See Figure 4.



Figure 1: Example Rusty Part



Figure 2: Remove Rust with Scouring Pad

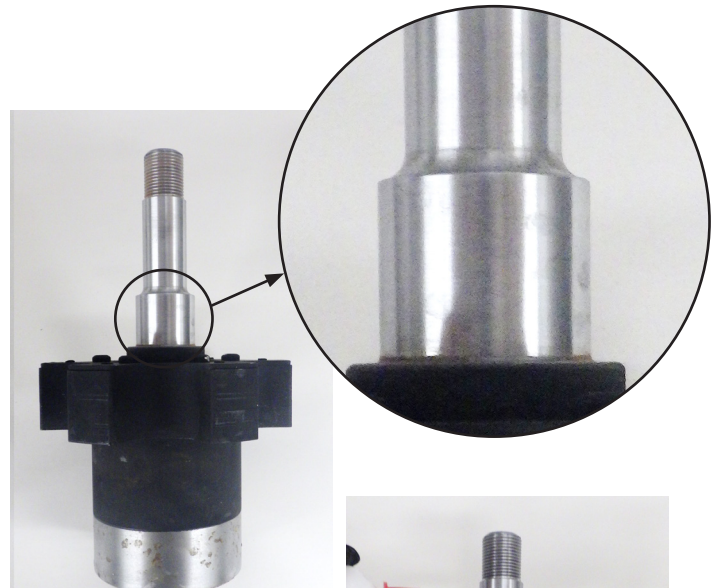


Figure 3: Example Part After Rust Removal

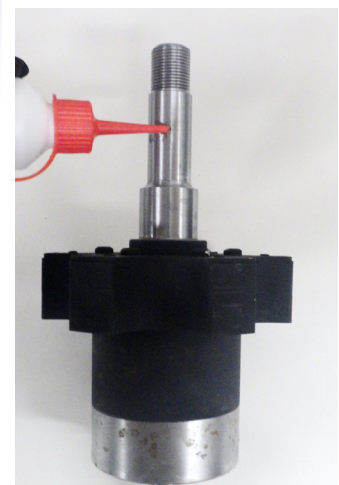


Figure 4: Add Thin Layer of Oil (Optional)

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