



Automotive Protection Services

For People Who Love Their Cars & Trucks

A Guide to Rust Prevention



Your fleet of vehicles is an extension of your brand. They create brand awareness as they travel as well as when they sit at a customer location. Their appearance speaks to the attention you and your team give to the smallest of details. A clean and well-maintained fleet says you deliver quality service to your clients.

Understanding Rust

When the metals in your vehicle are exposed to moisture for long periods of times they oxidize or rust. Corrosion starts when water molecules penetrate microscopic gaps in the metal. Over time this corrosion will weaken the strength of the metal and thus your vehicle.

- It only takes 65% relative humidity to cause corrosion. The average humidity level in Virginia is closer to 70%.
- The salt used to treat the roads during the winter months accelerates corrosion. The salt carries moisture that seep into the smallest part of your vehicle and can cause oxidation. When the temperature of your vehicle increases the oxidation rate also increases.
- Corrosion to your vehicle's frame weakens its structure and it becomes a safety issue.
- [John Nielsen](#), AAA's managing director of Automotive Engineering and Repair, states that rust-related damage is "much more than a cosmetic issue, it can also create serious safety issues for drivers by impacting brake lines, exhaust systems, fuel tanks and electrical connections."
- Once rust starts it is near impossible to eradicate. However, with the proper mitigation and ongoing preventive measures, rust can be arrested and your vehicles kept in good shape for years.

Protecting Your Fleet

Your fleet, and its upkeep, is a significant operating cost for your company. The longer you can extend the life of your fleet the better your ROI.

The figures on the right don't take into account the financial loss incurred when you have to take a vehicle out of service to have it repaired.

AAA reports that U.S. drivers spend approximately **\$3 billion a year** on rust-repairs with each occurrence costing on average **\$500**.

Some simple and affordable rust prevention steps taken early, and practiced often, can protect your investment.

The simplest solution, though somewhat time consuming, is the regular cleaning of your fleet. Removing dust, dirt, grime, salt, and brine to not only the visible areas but the undercarriage is important to minimize trapped moisture. It is even more important during the winter months with the salt and brine get trapped in wheel wells and the underside of the vehicle. But don't forget to thoroughly dry the vehicles as well. Remember water is the enemy here.

The most important rust prevention step to protecting your fleet is to rust-proof it by applying a cavity wax. The earlier this is performed on a new vehicle the better the results. This a low-cost investment that can result in significant savings over the long term.

Automotive Protection Services (APS) exclusively uses a rust inhibitor cavity wax by Noxudol. APS recommends undercoating the frame, floor pan, inside of door panels, rocker panels, tailgates, trunk lids, and inside the hood.

Why Automotive Protection Services & Noxudol

Noxudol, and its parent company Ausan, have been manufacturing rustproofing products for the automotive industry for more than 45 years and only work with certified experts. Noxudol backs its products with a 10-year warranty.

Ausan has an exclusive partnership with Volvo to provide rust inhibitors to their vehicles during the manufacturing process.

When NHTSA forced a Toyota recall on their trucks due to frames rusting, owners were presented with two options.

- 1 A partial buyback of the truck if the rust damage was beyond repair.
- 2 Rustproofing with Noxudol if the rust damage could be removed and future damage mitigated.

As a proud family-owned-and-operated business in Northern Virginia for 40 years, Automotive Protection Services has over 50 years of experience and is the largest provider of undercoating services in the Mid-Atlantic Region.

Automotive Protection Services values the investment you have made in your fleet of vehicles. We appreciate that your business suffers when one of your vehicles is out of service. We offer a broad variety of products and services to ensure your fleet conveys your company's brand image while providing a safe work environment for your employees.



Check out Automotive Protection Services' full line of products and services, including:

- ✓ Rustproofing
- ✓ Undercoating
- ✓ Spray-in Bedliners
- ✓ Paint Sealer
- ✓ Auto Tint
- ✓ Rust Eliminator

We are honored to have been chosen to partner with:

- VDOT
- FBI
- Fairfax City
- Fairfax City Schools
- Ted Britt
- Koons
- Northern Virginia Community College
- Ourisman
- Sheehy
- Farrish
- Brown's
- American Boiler
- Blade Runners
- ProClean

W I have been working with Automotive Protection Services for over 15 years to protect my fleet of trucks and work vehicles. It is critically important to me that our fleet of over 25 vehicles not only hold up against corrosion, but also look good, and professional when they are out on road – after all those trucks serve as the face of our company, often times its those trucks that make the first impression on our customers.

APS not only keeps our fleet looking great, but also saves us money. As a result of using APS, we are able to extend the life of vehicles in our fleet – getting more years out of our fleet is big savings over buying new.

Argentina – Owner
American Boiler, Inc.



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