**Electronic Environmentally Friendly Rust Gard**

*Electronic Alternative for Chemical Rust Inhibiting Protection*
*Environmentally Friendly*
*Patented State-of-the-Art Design*
*Maintenance Free*
*Guaranteed Protection from Surface Rust caused by Stone Chips or Scratches*
*Tested by CRIQ (Centre de Recherche Industrielle du Quebec)*
*Sold World Wide*

**Lifetime Product Guarantee!**
Electronic Environmentally Friendly Rust Gard

The 21st Century Automotive Corrosion Control System

The Auto Saver is an Electronic Environmentally Friendly alternative for Rust Inhibiting protection.

- Delays the effects of rust formation from 3 to 5 times longer than unprotected metal.
- Used to protect underground pipelines, bridges, ships.
- Adapted for use in the automobile protection industry.

- Reduced battery draw protects your vehicle longer during periods of inactivity or low-usage.
- Low-Battery Shut-Off protects the integrity of your vehicle’s electronic operating systems.

Tested by:

- NATIONAL INSTITUTE OF TECHNICAL STANDARDS, USA and
- CANADIAN CENTRE OF INDUSTRIAL RESEARCH OF QUEBEC.
HOW THE AUTO SAVER SYSTEM WORKS

The Auto Saver System is designed with integrated circuits and silicone chips. This electronic breakthrough monitors and responds to changes in humidity, plus other factors that lead to corrosion in your vehicle.

No chemical spray on coating can do this. Traditional chemical rust proofing can leave many inaccessible areas untreated such as the roof and the external sheet metal. At best chemical rust proofing can only offer you rust protection to 30% of the total sheet metal surface area of your car leaving the majority of your car vulnerable to the effects of corrosion.

The Auto Saver System is patented and provides 100% coverage of all grounded sheet metal surfaces. The Auto Saver System will protect your car from perforation corrosion from the inside out and the outside in.

Salt and pollutants combine with water and humidity to create a kind of diluted battery acid. When this acid comes in contact with metal, an electrical imbalance causes rust to occur

The Auto Saver System provides an artificial barrier of electrons to restore the electrical imbalance that occurs at potential rust sites. These electrons build up those areas where the metal has been exposed to the elements and inhibits the rate at which the rust will naturally occur.

THE 21ST CENTURY AUTOMOTIVE CORROSION CONTROL SYSTEM

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We recommend this system be adapted for high end makes and model vehicles or as a “Hi Tech” alternative for customers opposed to chemical rust proofing.
HOW THE AUTO SAVER SYSTEMS IS INSTALLED

1) Both control and remote electronic anodes are fitted in the engine compartment.
2) The control module and remote anodes are then wired to your vehicle’s electrical system.

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Dealer Profit Comparison

<table>
<thead>
<tr>
<th>Pro-Tech Seal Chemical Rust Inhibitor</th>
<th>Auto Saver Electronic Corrosion Protection</th>
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<tbody>
<tr>
<td>Rust Inhibitor $21.00</td>
<td>Auto Saver $129.00</td>
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<tr>
<td>Black &amp; Clear $90.00</td>
<td>(30 Minutes) $30.00</td>
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<td></td>
<td>Total Cost per Vehicle $159.00</td>
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<td>$299.00</td>
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Minimum order of 12 units

√ The Auto Saver System is an alternative or substitute for Chemical Rust Spray on Chemicals
√ The warranty for Auto Saver is the same as for Chemical Rust Spray on Chemicals and is included under our Rust Gard coverage with the additional coverage above the window line to include the roof.
√ All the same warranty terms, conditions and inspections requirements prevail
√ The cost for the warranty coverage is the same
Frequently Asked Questions

**Why is rust protection necessary on new cars?**
Although vehicle manufacturers are making cars much better, rust still occurs. Usually a car is the second largest investment a person make so it pays to take steps to protect that investment.

**Why is electronic corrosion protection better than chemical rustproofing?**
The Auto Saver System is more effective than chemical applications because electronically the entire vehicle sheet metal is protected and the protection is not dependent upon the quality or quantity of the chemical used nor the standard of the application.

**Will the Auto Saver System work with chemical rustproofing?**
Absolutely! The Auto Saver System unit will improve and enhance any chemical system.

**Does the Auto Saver System system stop rust forever?**
With nature, nothing can stop a compound from wanting to return to its natural state. Steel is a combination of iron ore and additives and has a natural tendency to want to return to its base form. This is known as the rusting process. There is no known product that can stop rust forever. What this unit is designed to do is extend the normal life expectancy of a vehicle's interior and exterior sheet metal surfaces by slowing down the corrosion process through the use of a carefully managed electric current.

**Will the Auto Saver System protect my entire vehicle?**
The Auto Saver System will effectively protect all body panels that are earthed to the vehicle’s electrical grounding system. In essence, all earthed body panels of a vehicle would be protected by the Auto Saver.

**What size vehicle will the Auto Saver System protect?**
The Auto Saver System unit will effectively protect all vehicles with a load carrying capacity up to 1.5 tonnes. This will cover most standard cars, utes and vans.

**Is it just for use on motor vehicles?**
Yes. The Auto Saver System was primarily designed for motor vehicles.

**I have a new car, which I may decide to sell in a couple of years. Is it worth the cost of installing The Auto Saver System?**
Yes. Although your car may be new and have factory rust protection, this does not mean that corrosion or rust will not occur during its first couple of years. Corrosion can inevitably occur in hidden places as well as those which are dented or chipped externally. The Auto Saver System can prevent rust-through corrosion from occurring at these places. If you install The Auto Saver System on your new car, it will stay in a ‘like new’ condition for a longer period of time! The Auto Saver System can also be easily transferred to your next new car if you wish.
Will The Auto Saver System drain my battery?
No, The Auto Saver System uses only 35 milliamps which is approximately the current used by the quartz clock in most new cars.

Will The Auto Saver System interfere with vehicle radio, CD player, CB Radio, Car Phone, Car's Computer system or burglar alarm system?
No. The Auto Saver System does not create any type of harmful radio frequency (RF) energy.

Is The Auto Saver System harmful to humans or animals? Will it cause a shock?
No. The Auto Saver System will not affect the humans or animals and it does not cause any type of shock. The Auto Saver System will not affect medical devices such as pacemakers or hearing aids. The Auto Saver has the appropriate approvals to validate these claims.

Will the heat from the engine affect The Auto Saver System?
Providing The Auto Saver control module/anodes have been placed at least 300mm from direct heat sources such as exhaust manifolds and turbocharges, there is no effect by the heat that is normally produced within an engine bay of a vehicle.

How do I know that The Auto Saver is working?
The Auto Saver System is designed with a visual display. Proper operation is indicated by a LED light sensor system that you can easily monitor at any time. The display, in the form of lights on the main module will show a constant "ON" green light in the center of three vertical lights, indicating the systems circuit board is powered. The red lights above and below the green light indicate that each of the anodes have power available to them. If any of the LED’s are not operating, contact Auto Saver or the Selling Dealer.

How often should I check The Auto Saver System?
It would be advisable to visually check for proper operation at any time the hood is raised for normal servicing or inspection of oil or coolant levels. It is advisable that the units should be checked at least once a year regardless of kilometres travelled.

Does The Auto Saver System contain any serviceable parts?
No. In the event of premature failure, during the warranty period, simply contact Auto Saver or your Selling Dealer.

Do the anodes have to be replaced?
No. The anodes are not sacrificial and need not be replaced. However, in transferring The Auto Saver System unit to another vehicle, the anodes might be damaged. The warranty would be voided in this type of situation and a new unit would have to be purchased for the new vehicle.

How does The Auto Saver System System protect my car from rust?
Rust can occur on any make or model car when the rolled steel of the painted exterior metal is exposed to moisture. By utilizing The Auto Saver Patented process, the steel is protected in two ways. Firstly by encapsulation using a paint sealant, and secondly by impressing free electrons to the surface of the metal to take the place of lost electrons during the rusting process. The combination of these two proven preventative elements are the basis for the patented Auto Saver System.

How does the impressed current device operate?
The device is designed to enrich the metal with electrons provided by the power of the vehicle’s battery. The amount of current used is equivalent to what is used by a quartz clock that is installed in most new vehicles today. Utilizing this small amount of energy is done in the circuit design of the unit’s main module. The main module is comprised of a power generating and regulating circuit with a built-in anode which makes contact with the vehicle’s painted metal surface. In addition, a remote anode (or current impressing device) is located in an opposing location. These locations are generally under the hood in the engine bay of the vehicle on opposing sides.

Why does The Auto Saver System system recommend a Paint Sealant?
The paint sealant protector has a dual function. Ultraviolet rays, acid rain and other pollutants cause the gradual damage of modern paint finishes. Also, by encapsulating the exterior paint finish with the paint sealant, you seal any porosity in the paint finish and this helps prevent moisture penetration through the paint. The paint sealant formula also contains a conductive component that allows the impressed electrons generated by the anodes to flow more evenly through the vehicle and subsequently assists the electronic corrosion device in its operation. It is this combination that provides the basis for the patented automotive rust protection product.

Can I use any car polish on the car after the Paint Sealant is applied?
It is recommended that the vehicle’s exterior paint finish is maintained on a regular basis by frequent washing and cleaning using only approved products. Do not use any products that are abrasive or use harsh solvents as this will remove the Paint Sealant.

Is The Auto Saver System system effective on older used vehicles?
The Auto Saver System will effectively operate on all vehicles manufactured from 1977 to present. However, the condition of the used vehicle at the time of installation will dictate the quality of protection provided.

I have an old car which has just begun rusting. Are there any benefits in installing The Auto Saver System?
Yes. By installing The Auto Saver System you will slow down the corrosion process and thus extend your car's life. The Auto Saver
System helps make used cars rust slower and last longer, however, the effectiveness will depend on many factors.

**Will The Auto Saver help a car with advanced stages of rust?**
No. If the corrosion or rust is well advanced, The Auto Saver System is no remedy for this type of corrosion. Although, if it is possible and economically justifiable to weld new metal patches into place then The Auto Saver System corrosion protection would help prevent corrosion from reoccurring in these areas.

**Will installation of The Auto Saver System affect the vehicle's manufacturer's warranty?**
If the unit is installed properly, you should have no problems with the vehicle’s manufacturer's warranty.

**Has independent testing been performed on The Auto Saver System?**
Yes. The Auto Saver System testing and approvals include: United States Patent number 5,407,549; ACT Test Laboratories, U.S.A.; Material Characterization Laboratories, U.S.A.; Society of Automobile Engineers (SAE) associated test results; Centre de Recherche Industrielle du Quebec (CRIQ) Testing Laboratories Canada. ISO 9001 certified; 1987 Certificate #167-0075-18 and the testing activity (ESSAIS) is submitted to the Standards Council of Canada, registration #138. The equipment and instruments used in the tests were checked and/or calibrated. The calibration certificates are all traceable to standards of the National Research Council Canada (CNRA) and/or the National Institute of Standards and Technology (NIST) of the United States, ASTM B117-94; Approved by the Austrian Technical Control Board (TUV) EU- Authorization Number e12 02 0025 pursuant to Directive 95/54/EC.

**Can The Auto Saver System be installed in any car?**
Yes, The Auto Saver System can be installed to any steel-bodied car with a 12 volt electrical system with a negative ground.

**Can the anodes be placed on bare metal?**
No. This would cause a direct short to the unit. The Auto Saver System system is not a cathodic device so the anode must be attached to a painted metal surface.

**How far apart are the anodes be placed?**
For best performance, the anodes should be installed at least 1.2metres apart.

**Is The Auto Saver Systems suitable for 4 wheel drives?**
Auto Saver is suitable for 4 wheel drives, however, consideration should be made as to the type of environment that the vehicle will be operating in a continual basis. Electronic Corrosion Protection on vehicles is designed to slow down the rate that corrosion occurs, and whilst The Auto Saver will work in aggressive conditions it may be worthwhile to consider using a chemical based system in conjunction with the Auto Saver.

**Will Auto Saver prevent rust from forming on bare metal?**
Automotive electronic corrosion protection is designed to slow down the rate at which corrosion occurs. If you get a scratch or chip in the paintwork and the bare metal is exposed, it may take some time for corrosion to form. Depending on environmental conditions, light surface rust deposits will be noticed, however, this rust will be relatively stable and the excess electrons produced by the Auto Saver anodes will prevent the rust from developing into the pitting type of corrosion.

**What makes The Auto Saver System different from other similar products?**
Here are just a few of the reasons that makes The Auto Saver System better, and in our opinion the best electronic corrosion protection system available:

1. The Auto Saver System system is based on proven, sound scientific principles.
2. The Auto Saver System is latest patented device of its type.
3. The Auto Saver System incorporates modern electronic circuitry design.
4. The Auto Saver System operates in conjunction with a unique electrically conductive Paint Sealant to assist the flow of electrons produced by the anodes.
5. The Auto Saver System is sold worldwide.
6. The Auto Saver System has been tested by recognised International Testing Authorities.
7. The Auto Saver System has low voltage output requirements.
8. The Auto Saver System works effectively to reduce corrosion rates.

Please call 1-800-661-6910 or e-mail info@pro-techseal.ca
Mr. Serge Meunier  
211 De Galaix  
Boisbriand, Quebec  
J7G 1P6

Dear Mr. Meunier:

This is further to your correspondence of July 16, 1997, in which you provided additional tests/studies to support performance claims made in relation to the proposed sale of a rust prevention device to be marketed by Auto Saver Systems, Inc. of Clifton Park, N.Y. These tests were performed by the Centre de Recherche Industrielle du Quebec (CRIQ).

We have conducted a thorough review of these new tests/studies, including confirmation of the findings by CRIQ, and we have been informed that the tests demonstrate that use of the rust protection device will "slow down the natural corrosion process" of an automobile. It is the view of CRIQ that corrosion would be reduced through the application of the Auto Saver System device. Accordingly, it is our opinion that such a promotion would not give the Director of Investigation and Research, who is responsible for the administration of the Competition Act, reason to initiate an inquiry under section 52 of the statute.

However, should representations be made in the sale of the product which give the general impression to the public that the unit will prevent or stop corrosion, such representations could give us reason to initiate an inquiry under the Act.

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ABSTRACT

An automobile corrosion protection apparatus incorporating, in combination, an electronic cathodic protection system for impressing a flow of electrons through the metal body of an automobile, and an electrically conductive auto body sealant for facilitating the transmission of the electrons, provided by the electronic cathodic protection system, to any cracks, scratches, chips and other corrosion prone areas throughout the metal body of the automobile.

5 Claims, 4 Drawing Sheets
SALT FOG TESTS
ON RUST-PROOFING SYSTEM

CRIQ File 670-PX20795

Technical Report

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MONTREAL, JULY 15, 1997