RUSTARRESTOR®

【Electronic Rust Prevention System】
Preventing rust/corrosion! Make your vehicles always clean!

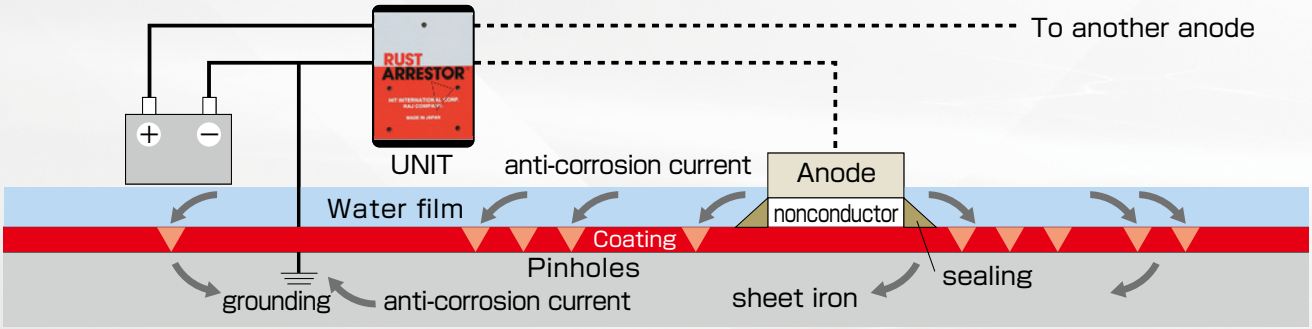
Dreaming your vehicles shining and free
from rust with RUST ARRESTOR

The reasons why Rust occurs and explanation on degradation of coating

Vehicles' body is protected by sealing the metal surface using coating, etc..
However, coating is eroded by substances like chemicals coming from acid rain, dust, etc. and sealing effect has an impact from its surface getting rougher and its luster losing.
In addition, there are small scratches and many micro holes, called pin holes for coating and occasionally those holes are going through to the metal surface due to the deterioration of coating. Rust occurs when water is invading into scratches and or pinholes and metal electron is taken away by water (displacement of electron).

RUST PREVENTION SYSTEM (patent protected) What is it ?

Rust progresses through oxidation-reduction reactions when the metal surface loses electrons and becomes ionized, leading to the detachment from the surface.
Occurrence of rust depends on the electric potential and pH. Since it is caused by electrochemical reactions.
Our patented <rust prevention system> stabilizes the movement of electrons by artificially supplying an electric current to the metal surface where it becomes unstable due to the electric potential difference.As a result, rust generation can be prevented.
Rust Arrestor is a product applying this system to restrain coating deterioration in vehicle.
First, a weak electric current is sent from a unit controlling current through each anode (electrode) to the film of water formed from rain and or snow containing de-icing agents.
This allows electrons to be sent into small scratches on the coating surface, micro holes (pinholes) and metal pigments in deteriorated coating, causing to stabilize the metal molecules and preventing the oxidation and deterioration of coating.

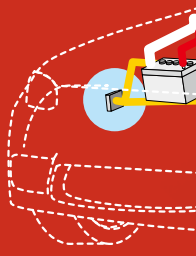


RUST ARRESTOR Product Structure and Image for installation

「12V2CH」Product

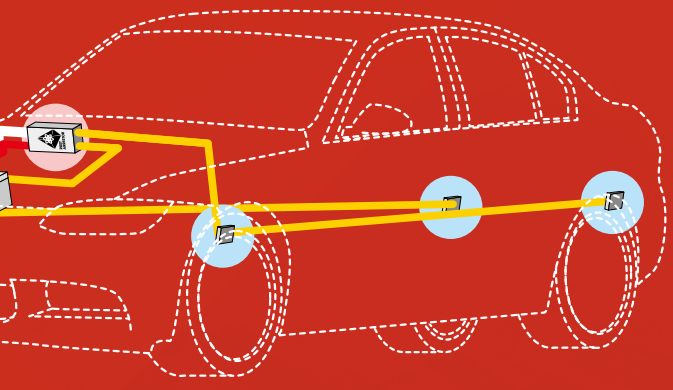
24V unit Product

Product Packaging



Maximizing result and impact in heavy snowfall regions

The common and popular issue in heavy snowfall regions is the salt damage caused by calcium chloride in de-icing agents. Ignoring this will cause progression of significant rust on your loving vehicles. For its prevention, frequent washing and coating on every part of your vehicles including chassis are required. By installing RUST ARRESTOR, coating film of your vehicles is continuously protected by our electronic system and significantly reducing the time and cost associated with coating protection.



「12V4CH」installation example

History for 30 years and longer tells the story of deep trust

RUST ARRESTOR is an electronic anti-rust/corrosion device passing stringent test standards set by third-party organizations and equipped with the patented Rust Prevention System.

Electronic Anti-Rust/Corrosion System

RUSTARRESTOR®

The result and impact of RUST ARRESTOR Proven Over Time !

▲Vehicles RA Equipped starting from initial usage

◀Comparison▶

▲Vehicles without RA

(Mileage: approx. 300,000km) Under chassis of spraying vehicle for spraying deicing agents on roads in Hokkaido
A comparison of the condition in 10 years after installing RA with RA (picture on left) and without RA (picture on right)

Slow down rust progression and preserve the shine of coating !

RA uninstalled (left) ⟶ **RA installed** (right)

*Progress Comparison from November/1997 to January/2008 (10years and 2 months)
*Mileage: RA uninstalled 329,756km, RA installed 276,536km

RUST ARRESTOR Product lineup by vehicle type

	RA02	RA04	RA06	RA09	RA12
Voltage(DC)	12V		24V		
Number of anodes	2	4	6	9	12
Vehicle	Light Vehicle, Compact Vehicle, etc.	Station Wagon, SUV, etc.	Trucks, Bus, etc.	Dump Truck, Construction Equipment, etc.	Crane Truck, Large/Heavy Vehicle, etc.
Product size (WxLxH) mm	60×17×80		60×17×166		
Model Number	RA12V-2CH	RA12V-4CH	RA24V-6CH	RA24V-9CH	RA24V-12CH

www.rustarrestor.jp

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ラストアレスター
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