

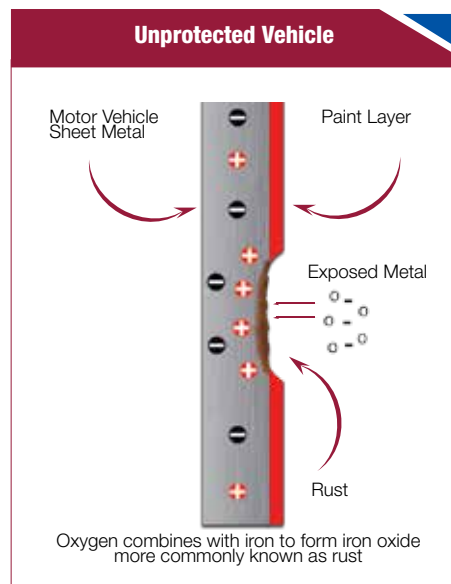
# What Causes Rust?

Rust is the normal electrochemical process of metals returning to their natural unrefined state. It occurs when Iron, Oxygen and Water (air moisture) combine. The rusting process can be accelerated when Iron is subjected to nature's minerals, chemicals and temperature fluctuations.



## Why Does Rust Happen?

Iron and Oxygen have opposite charges so they seek out each other to combine. When they combine, the Iron loses electrons to Oxygen atoms. This is called oxidation and when it happens it produces a chemical reaction forming Fe<sub>2</sub>O<sub>3</sub> Iron Oxide otherwise known as Ferric Oxide, or more commonly known as rust.



# Tried, Tested, Proven

CouplerTec Electronic Rustproofing Systems are protecting vehicles and machinery from rust & corrosion throughout Australia and throughout the world!

More than 600,000 systems have been sold worldwide.

CouplerTec is used and recommended by;



### Mining Companies

CouplerTec's Capacitive Coupling Technology has proven to be the only truly effective Electronic Rustproofing System to be trusted and used in the mining industry to control corrosion. Vehicles and machinery working within the mining industry are exposed to some of the most corrosive environments on Earth.

CouplerTec Electronic Rustproofing Systems are currently being used as the preferred rust proofing method in various mines around the World; this includes gold, silver, copper, salt, coal and mineral mines.



### Surf Life Saving Clubs

Surf Life Saving Club vehicles are consistently subjected to the damaging effects of salt water and seaspray. CouplerTec is used and recommended throughout the Australian Surf Life Saving Club fraternity.



### Government Authorities

CouplerTec Electronic Rustproofing is the preferred method of rust proofing used by many Local, State and Federal Authorities throughout Australia.



Systems are available for  
4X4's, Trucks, Buses &  
Heavy Machinery



ONLY COUPLERTEC OFFERS GUARANTEED CREDIBILITY!

CouplerTec's unique 'Capacitive Coupling Technology' has been awarded the following International Patents;

Patent approved Australia 2007236536, Patent approved USA 12/295,271, Patent approved Canada 2642716, Patent pending UAE 1021/2008 and Patent pending Europe 07718629. All CouplerTec products are designed, engineered, and manufactured in Australia to strict ISO 9001 Quality Standards and have been tested to CISPR 25 Electromagnetic Compatibility Standards. Approval number N28214.

### CouplerTec Mission Statement

*The Company's mission is: To provide vehicle owners throughout the world with a proven, environmentally friendly, cost effective method of protection against rust & corrosion.*



CouplerTec Capacitive Coupling Technology



## How It Works

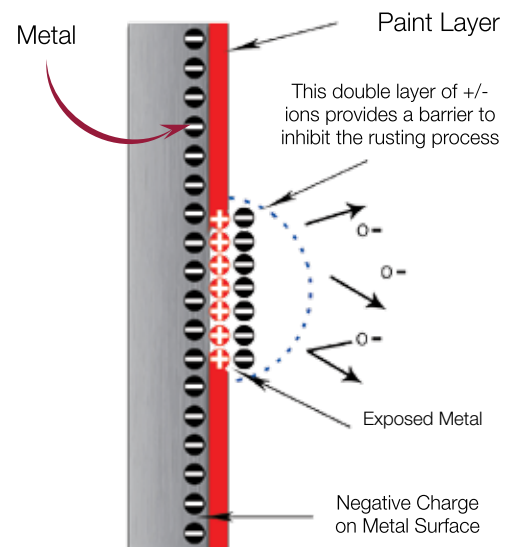
CouplerTec's Patented Technology interferes with the electrical charge between Iron and Oxygen so it becomes hard for them to combine to form rust. In other words, it interferes with the metals ability to react with Oxygen.

We achieve this by creating a negative (-) electrostatic surface charge on the metal surface of the vehicle. The (-) Oxygen atom is repelled by the (-) electrostatic surface charge.

For more detailed information on how CouplerTec works please visit [CouplerTec.com](http://CouplerTec.com)

### The Result

#### When protected by CouplerTec



A polarized layer of ions reduces the oxidation process, in effect, stopping the rusting process

## Product Benefits

- ▶ Protects 100% of the vehicles metal surface, inside and out\*.
- ▶ Protects parts that rustproofing sprays and coatings cannot reach.
- ▶ Helps stop paint from oxidizing and keeps the paintwork looking like new.
- ▶ Prevents rust damage caused by stone chips and scratches in the paintwork.
- ▶ Systems are transferable from vehicle to vehicle.
- ▶ Once only low cost investment.
- ▶ Reduces maintenance costs associated with corrosion.
- ▶ Will slow existing corrosion.
- ▶ Helps to retain strong resale value.
- ▶ Environmentally friendly (no need for toxic sprays or coatings)

\*Any metal component that is insulated from earth is not protected

**COUPLERTEC**  
ELECTRONIC RUSTPROOFING  
ProTEction From Rust! **GUARANTEED!**



CouplerTec is the World leader in the manufacture and supply of electronic rustproofing systems for the Automotive and Heavy Equipment industries. More than 600,000 CouplerTec Electronic Rustproofing systems have been sold Worldwide. CouplerTec's Internationally Patented Capacitive Coupling Technology has a superior reputation for product effectiveness, quality and reliability.

## Key Product Features

- ▶ Incorporates CouplerTec Capacitive Coupling Technology The ONLY tried tested and proven technology to protect motor vehicles, trucks, buses & machinery from rust and corrosion.
- ▶ Solid State Electronics offers an indefinite life span.
- ▶ Multiple Capacitive Couplers, each charged by their own dedicated circuit.
- ▶ The CouplerTec module incorporates a micro processor that employs a process called 'Monitored & Controlled Performance' This is where the micro processor monitors and controls the performance of the system, ensuring that it is operating at the optimum level. The system confirms that it is working correctly by way of a Green flashing LED, giving you peace of mind that your vehicle is being protected. Conversely, the system will also indicate the detection of a fault by way of a Red flashing LED. The system will reset after the fault has been rectified.



Pictured Above: The larger 12COMM System from the Commercial Heavy Duty range of Systems and the smaller Mine Specification Module from the Automotive range.

## Systems For Use In Mining

### Mining Specification System



The Mine Specification System has been especially designed to offer protection against rust on Four Wheel Drive light mining vehicles. This system will work on those vehicles fitted with battery Isolation Switches, thus

offering protection to the vehicle whilst the vehicle is shut down. This system when fitted correctly will dramatically reduce the effects of rust on mining vehicles which are subjected to highly corrosive environments on a full-time basis.

### Commercial Heavy Duty Systems

These larger CouplerTec™ Commercial Heavy Duty Systems have been specifically designed to provide protection against rust on large trucks, buses and heavy machinery. No matter how large the truck,



bus or machine, or how corrosive the environment in which it operates, there is a suitable sized system to suit every application. There are five models in this range, ranging in size from Four to Twelve Capacitive Couplers. All systems can operate off either 12V or 24V input.