

Anti-Rust Device

Part No. PCS-ARD

Wanting to prolong the life of your vehicle and protect it from the elements?

Then the **Anti-Rust Device** is the solution for you.

This simple but clever device uses basic principles of science to minimise the galvanic reaction on metal surfaces.

By producing a positive charge this device creates a positive ion flow thus minimising the chance of galvanic and electrolytic action.

Evidence shows that if you supply more electrons to the vehicle than what the elements can handle you can diminish or prevent corrosion.

A single device fitted under the bonnet is all that is needed. If further protection is desired due to regular beach-type driving, then another device can be fixed at the rear of the vehicle.

With the benefits of easy installation you can start protecting your vehicle today.



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Overview

In order to identify the benefits of the **Anti-Rust Device** we need to understand the basic principle of how rust develops. Rust is another name for iron oxide, which occurs when iron or an alloy that contains iron, like steel, is exposed to oxygen and moisture for a long period of time. Overtime the oxygen combines with the metal at an atomic level, forming a new compound and thus weakening the bonds of the metal itself.

Function

This is where the Anti-Rust Device comes into effect. It works by minimising the galvanic reaction on metal panels. By producing a positive charge, this device creates a positive ion flow thus minimising the chance of galvanic and electrolytic action.

Installation Kit

Quantity	Part
One (1)	Anti-Rust Device
Two (2)	Crimp Type with 1/4" Lug (6.3mm)
Two (2)	Crimp Type with 5/16" Lug (8.4mm)
One (1)	Mini Fuse
One (1)	Mini Fuse Holder
One (1)	Booklet

Specification

Enclosure Material	GP ABS Material
Wire	16/0.2mm Tinned Copper Red & Black
Wire Insulation	PVC V75 0.6/1KV
Terminals	Crimp Type with 1/4" Lug (6.3mm)
Terminals	Crimp Type with 5/16" Lug (8.4mm)
Mini Fuse	5Amp
Mini Fuse Holder	12 Gauge Cable, 90c Insulation, Max 40Amp
PCS	Custom Designed 2 Layer FR4
Product Size (CM)	5.3X7.8X2.3
Product Weight	139g



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Installation

Step 1. Choose a flat surface for the device which is within close proximity to vehicles battery. Be sure that the location selected is in a dry out of the way position far from engine solvents and water.

(ENSURE the surface area of the metal panel chosen is thoroughly clean of all grease, dust and debris)

Step 2. Peel the protective strip from the adhesive backing situated on the base of the device. **(DO NOT REMOVE** the protective strip until you are ready to fit the device. Avoid touching the adhesive surface at all times). **(DO NOT REMOVE** the adhesives base pad from this device as this pad is used to insulate the device from the metal panel)

Step 3. Place the device into position and apply firm downward pressure for 15 seconds.

Step 4. Run the black and red wires to the battery and cut to length.

Step 5. Solder the ring terminal to the negative (black) wire and connect to the negative terminal of the battery. **(DO NOT REMOVE** existing wires or cables from the battery)

Step 6. Undo the nut while holding all wires firmly in position and place the ring terminal over the battery bolt and re-tighten nut.

Step 7. Connect the fuse to the positive (red) wire. **(DO NOT CONNECT** the positive wire to the battery until the final stage of installation).

Step 8. Connect the positive wire from the fuse to the positive terminal on the battery. (Again **DO NOT REMOVE** existing wires or cables from the battery)

Step 9. Undo the nut while holding all wires firmly in position and place the ring terminal over the battery bolt and re-tighten nut.

Functioning

The Devices light will come on indicating that the system is operating correctly and it will remain on at all times to confirm the system is working.

Be sure that the Device is connected to the correct power supply in order to guarantee the functionality of the system.



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