

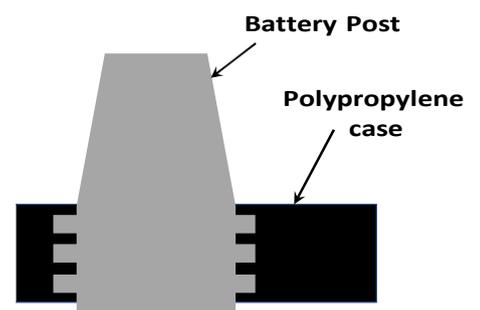
Battery Terminal Protector Spray

Battery Terminal Corrosion

Corrosion around battery posts used to be much more common than it is today. The cause of this was a less than perfect seal between the lead post and the plastic lid of the battery case. The smallest of gap between the two will allow electrolyte from the battery to exit via what is known as a capillary action and pool around the base of the post. As the water from the electrolyte evaporates, crystals form which eventually make contact with the battery terminal. The battery terminal then begins to corrode. The corrosion is quite subtle to begin with as you can see on the LH image below however it can become significant if not attended to, as shown in the RH image.



Significant improvements in battery design and manufacturing techniques have effectively solved this problem by effectively sealing the interface between the post and case. Manufacturers cannot however prevent leaking which occurs as a result of over-tightening the battery terminal, which will bruise the plastic and/or lead post and create a small gap which allows electrolyte to escape. Once the capillary process starts it is almost impossible to stop.



The best solution when this occurs is to replace the battery terminal as well as replace the battery, as this is the source of the corrosion. When this is not an option, Battery Terminal Protector may be used.

Battery Terminal Protector Spray

Battery Terminal Protector was developed as a solution to try and slow down the corrosion of the battery terminal. It does this by trying to isolate the terminal from the acid and moisture. Battery Terminal Protector can be used in a situation where the post is showing signs of leaking or the terminal has started to corrode. It does not solve the problem however it can slow it down.

If Battery Terminal Protector is to be used, the following process should be followed to ensure the best result:

1. First, use a good amount of hot water to dissolve, dilute and wash away any crystals or corrosion around the terminal.
2. Disconnect the terminal from the battery and use a wire brush to thoroughly clean the **terminal** and **post**. Wash them again using hot water to remove any residue.
3. Dry them thoroughly before reinstalling the terminal on the post. Do not over-tighten it. Two fingers on a small spanner is sufficient.
4. Spray the assembled post and terminal with a light coating of Battery Terminal Protector.



DO NOT spray an excessive amount of Battery Terminal Protector onto the terminal. The protector is an insulator, which means that it will not conduct electricity. If there are any small gaps between the terminal and post, the protector will be drawn into it and insulate the post from the terminal.



The upper image on the left shows the correct usage of Battery Terminal Protector; the lower image shows an excessive amount (note that only the leaking terminal has been treated).

Battery Terminal Protector should not be used when there is no evidence of leakage around the post. It does not add any value by applying it to a dry, corrosion free battery terminal.