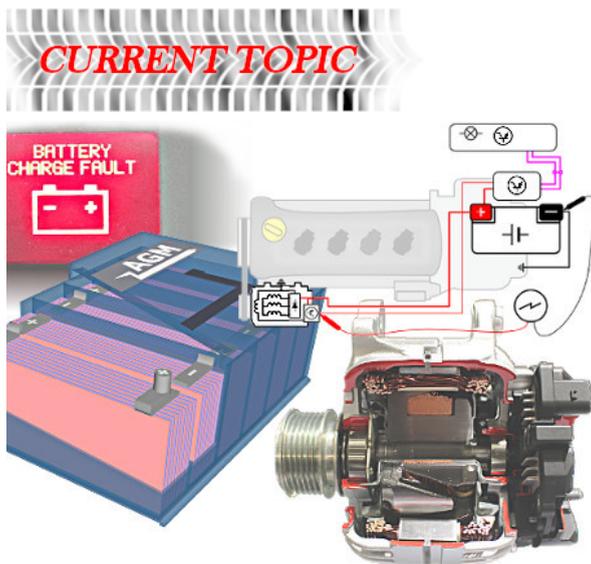


Cold Mornings and Dead Batteries

At least in northern Europe, winter is knocking at the door. This means that many car owners will get a first hand experience of what subzero temperatures can do to your starter battery. This happens every year, but still it comes as a surprise to many. You get out of your warm home, brush the snow off your car, turn the key - and then complete silence.



What also might surprise some people is that this is not only a problem in cold climates. Heat can cause the exact same problem, although you don't have to brush snow off your car. Dead batteries are not only a problem in the Nordic countries, they are common all around the world.

Even though replacing batteries may seem like a simple task, that is not always the case with modern cars. A good technician should also know how to properly check, not only the starter battery's condition, but also the charging system and the discharge current.

A common misconception is that this is not a problem with electric vehicles and hybrids, but the fact of the matter is, these do not start either if the 12v battery is drained. This is the case even if the HV-battery is fully charged.

To learn more about troubleshooting charging systems and starter batteries, [CLICK HERE](#) to check it out in our training shop.

Module main points:

Inspection of the charging system | Examples of measurement results and analysis | Alternator structure and operation | Alternator control circuits and operation types | Checking the starter battery using various methods | Structure and operation of starter batteries | Battery chargers | Highlight of battery replacement

The Prodiags Certificate

The Prodiags Certificate is proof of a successfully completed training module. By showing your certificate to your employer, current or future, you can prove your abilities to them. The certificate can also work as a sign to your customers that they can trust you with taking care of their car.

To acquire your certificate, you first need to pass the training module's assessment parts. After this, you can take the final exam. When you have passed the final exam you can print out the digitally verified certificate from your study register.

Tip: To present a professional image to your customers, print the certificate on slightly thicker and glossy paper. This will surely look impressive when you frame it and hang it on the wall.



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Prodiags is always looking to expand our international network of sales partners. As a Prodiags sales partner, you can also help us with translations to a new language and bring something completely new to your area, in your own language.



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Best regards

Rudi Steiner
CEO

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